avation

PRODUCT CATALOGUE

Exceptional Range of Residential &
Commercial Audiovisual Products

Here to Make *You* Look Good

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SAVANT
Control • IP Video
IP Audio • IP Soundbars

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iRoom iO
Docking stations
for iPads

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avgear
HDMI • HDBT
Power Managers
Scalers • Splitters

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ZIGEN
HDBaseT • Extenders •
HDMI Matrix • Cables

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Just Add Power
AVoIP • VideoWall
Video Tiling

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LUXUL
Professional Grade Wi-Fi
& Networking Products

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GUDE
German Power
monitoring solutions
for AV

122

avati⏻n PROJECTS TEAM

Got a project that requires quality brands and design from one team who can support you throughout?

Avation Projects Team will assist in your full design. Simply send drawings and a scope of works and we will work with you to design your client's solution.

It's not enough to simply spec or install products from world-class brands — you need expert advice to ensure you're maximising the potential of those powerful products.

That's why the Avation Projects Team exists: we're here to make you look good!

|		
NETGEAR® Switches Engineered for AV over IP 124	**IC REALTIME** IP Cameras • NVR 126	**OSD BLACK** Indoor Speakers • Subwoofers Home Theatre Multizone Streaming 144
VIVID audio Premium Speakers Stereo & Home Theatre 168	**zappiti** Media Players/Servers 172	a sound relationship **Russound** Streaming Audio 70/100V Multizone Controllers 178

SAVANT

SAVANT PRO REMOTE X2

The all new redesigned Savant Pro Remote X2 takes smart home control to the next level. We packed all of the award-winning features of the previous generation (and more!) into a brand new clean, modern, minimalist design. We think you'll find it both excitingly different and comfortingly familiar in all the right ways.

Features

• 3.1" Screen
  True 480 × 600 Resolution
• Backlit Buttons
• Personalise Ellipsis Button as well as Touch
  Screen icons for control of sevices, scenes
  and favorite channels
• Quick Activation of New Savant TV User
  Interface with Savant Button
• Built-in Voice Control plus Siri Voice Control
  with IP Apple TV Integration
• Single & Multi-Room Control Options
• 2.4GHz/5.0GHz Wi-Fi Support
• Enhanced Magnetic Docking
• Heavy Duty 9.0 oz Base

Full Aluminum Body
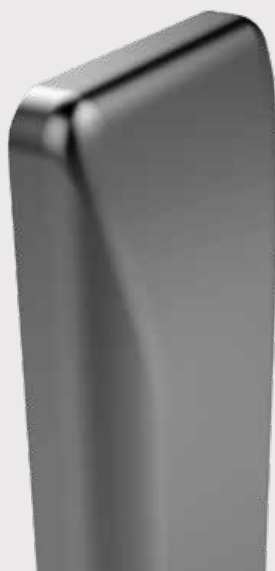
Personalise every remote to suit your individual needs

SAVANT PRO APP

The Savant Pro App enables all the features of a Savant Home, with fast access to rooms, scenes, services and much more.

Swipe right or tap **System** to get the status of devices within your Savant Home.

Swipe left or tap here to see all available **Scenes**.

Pull down or tap here for the **Rooms View** to access rooms, profiles, and settings.

To get a closer look at what's **Now Playing** in your home, tap your activity feed.

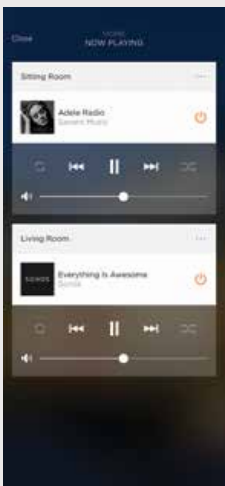Scroll left or right through the carousel of available services in your Savant Home.

Tap to access all of the options for a service. For quick adjustments press and hold or Force Touch to bring up **Quick Controls**.
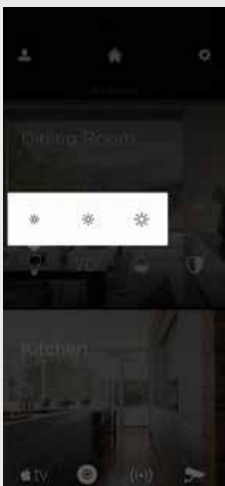
A service that is active somewhere in the home is indicated by a dot.

HIGHLIGHTED SCREENS
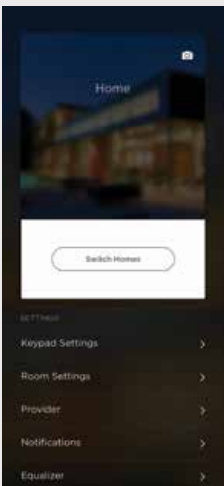
| Settings | Now Playing | Quick Controls | Scenes | Rooms View |

ROOMS VIEW

The Rooms View displays every available service in each room.
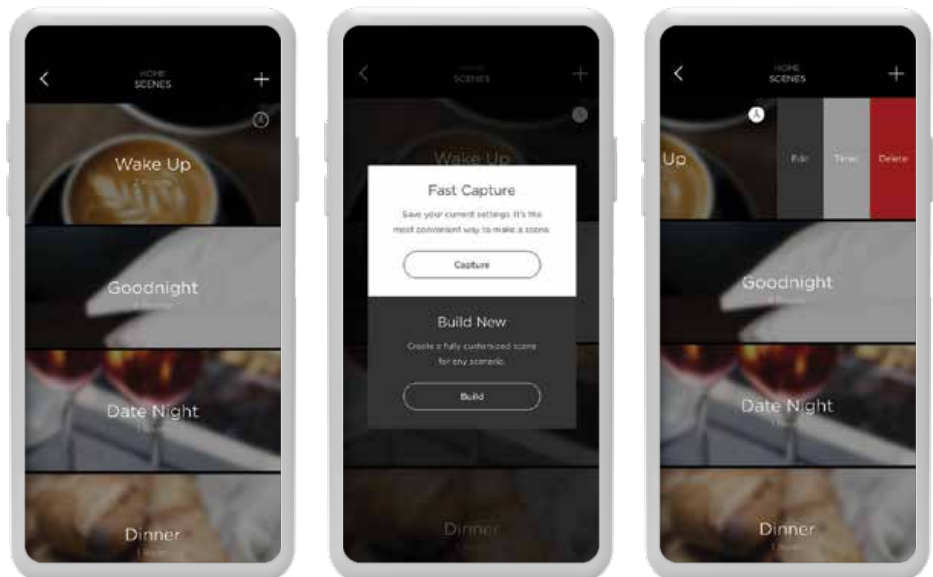
Pull down or tap here to return to the **Home View**.

To adjust a service for the room, tap to access all its features, or press and hold the icon to bring up **Quick Controls**.

Tap on a room to display the **Room View**. From there, swipe left or right to see the Scenes and devices associated with that room.

POWER OF SCENES

Capturing, creating, and editing Scenes is easier than ever.

Tap the **+ icon** to capture or build a Scene. Each step has been designed for simplicity.

Swipe left on a **Scene** name to edit, set a countdown timer, or delete.

Scenes can be set as shared or left as personal. Shared Scenes are available to all users as well as accessible from in-wall touch screens.

Press and Hold or Force Touch on iOS to reorder Scenes.

www.avation.com.au

SAVANT MUSIC

A collection of premium streaming services to make every moment just right.

The **Global Now Playing** screen shows all active audio/video services, and allows you to control the volume in each room.

Tapping the **... Icon** on the Global Now Playing screen brings up the **Distribution** screen, which lets you play audio/video in additional rooms.

To see what's playing next or edit the music in your queue, tap the **Icon** on the Now Playing screen.

Press and Hold the power button to setup a sleep timer.
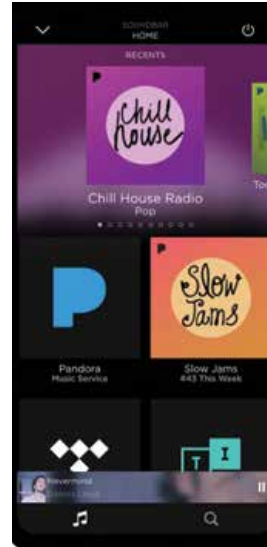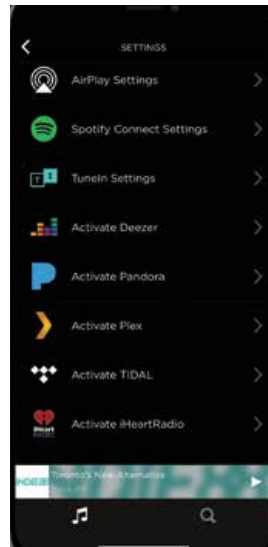
CLIMATE

Climate control in the Savant Pro App allows for instant control of rooms, as well as scheduling.
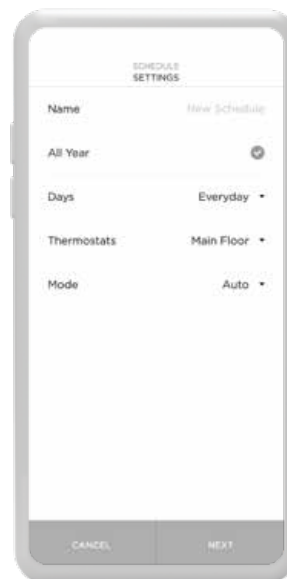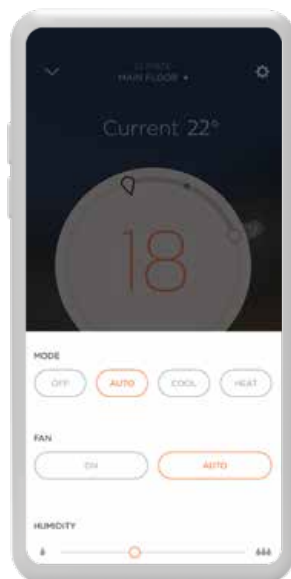
There are three climate modes. In Heat or Cool mode, simply use the sliders or arrows to set the temperature you want. In Auto mode, use the sliders to set an appropriate temperature range. Tap the **Settings Icon** to change modes.

Tap the **Calendar Icon** to put your climate on a schedule—your home can start warming every day at 6am, or cool off in the evening.

To temporarily override a schedule, press and hold the climate control circle to bring up a **Hold Temperature menu**.

USER PROFILES

Let everyone in your house enjoy the benefits of Savant.

The **Profiles** screen shows a list of who can use your Savant Home.

Add a new profile by tapping the **+ icon** and choosing from three different user types.

After inviting someone to your Home, tap on the new user profile to grant permission for **Control** of different rooms, services, or the ability to access your home remotely.

SECURITY

Savant Pro supports most popular security platforms.

The buttons mimic your in-wall keypad so you can set your alarm from anywhere.

See the status of every sensor in your home at a glance.

Security cameras let you keep an eye on things when you're away.

CUSTOM SCREENS

Speak to your Integrator about custom screen options.
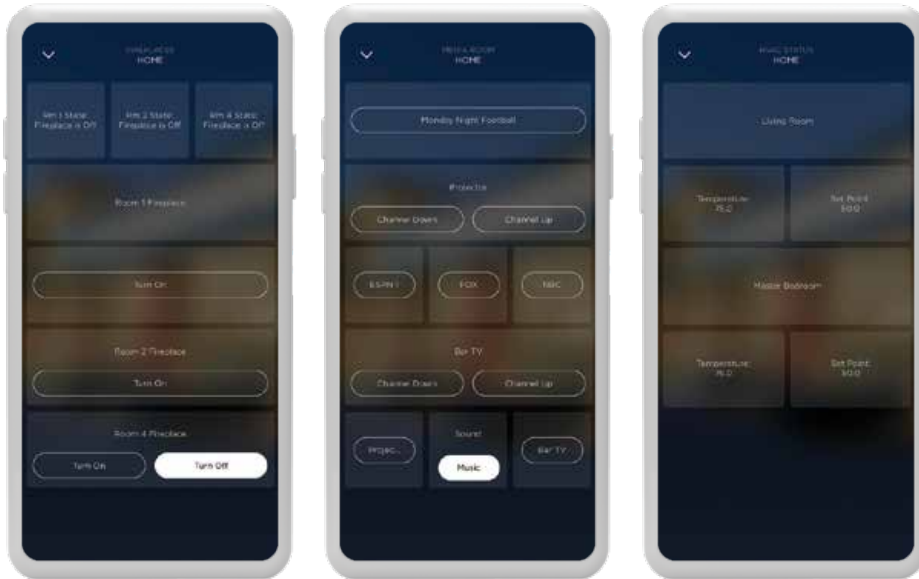
Custom screens can be added to your Savant Pro App by your Authorised Savant Integrator.

Options include buttons for common activities that cannot be created in a Scene or to display status information for devices in your home.

APPLE WATCH

Merging the most sophisticated features with the greatest level of convenience.

Control and status has never been more convenient with the Savant Apple Watch app.

Capture the perfect moment and then save it as a **Savant Scene**. Use the Savant Apple Watch App to turn on and off any Savant Scenes, or only those that you frequently use.

Create **Notifications** to alert you to important status changes in your home, and then take action immediately and easily.

SAVANT ENTRY SERVICES

Eyes, Ears & Voice at Your Doorstep

Introducing connected entry for your Savant home with the most advanced entry solution available, including a wide-angle camera with video capture plus two-way intercom. Savant door stations make communicating and controlling your entry points simple and accessible.

Features

• Video recording for later viewing
• Five assignable ringtones
• Answer, see, and speak to visitors from anywhere
• Customisable user interface in Savant Pro App
• Notifications for events such as visitors or motion
• Includes night vision camera
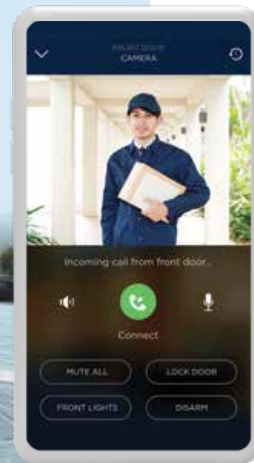
Answer From Anywhere

Be notified instantly when someone is at your door with an audio and video feed from the door entry station, regardless of where you are. Answer to start the two way intercom, and unlock the door, turn on the lights or activate a Savant Scene.

On-Demand Video History

Want to see what happened? Use your device to access video recorded when someone pressed the keypad, or when motion, noise or tampering has been detected. Video clips are automatically stored for 90 days, or lock individual clips to retain for longer.

Customisation

Personalise the entry system controls to lock and unlock doors, turn on flood lights, open the garage door, and more. Ask your Authorised Integrator to create up to four custom buttons on the Entry Services screen for commonly used shortcuts.

SAVANT ENTRY SERVICES
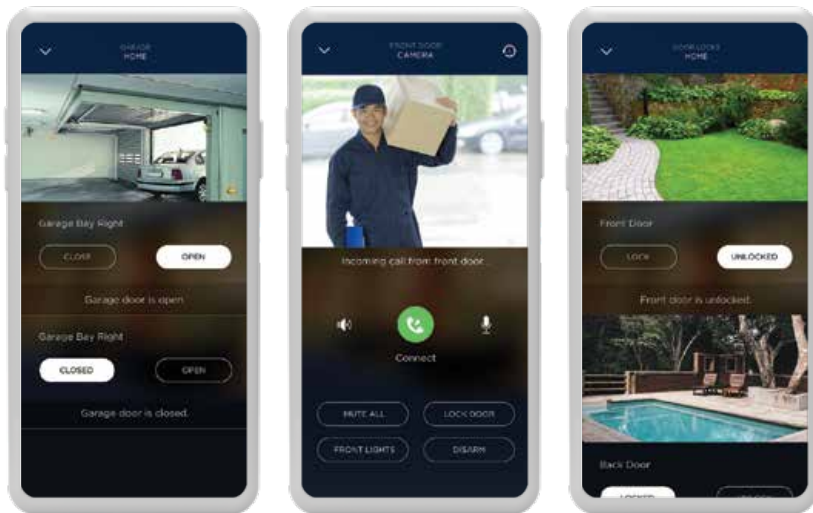
Garage Door & Door Lock

Garage doors indicate if they are open or closed and show warnings if there are any problems.

Lock and unlock doors and see the status of which doors are locked and which are not at a glance.

View cameras to see who is at the door, even if you are away from home.

Security

Set alerts for motion or noise. Plus, night vision allows you to monitor your entryway if movement is detected, even in the dark. Optional tamper sensors to provide an alert if anyone attempts to open or disconnect the door station.

SINGLE HEIGHT DOOR STATION

Optional Accessories

Options include flush mount and surface mount pre-construction brackets, tamper sensors and more.

Features & Options	Included
Video and Audio Intercom	Yes
Night vision camera	Yes
Video recording	Yes
Remote Notifications	Yes
User adjustable ring volume	Yes
Surface mount option	Yes
Flush mount option	Yes
Heavy Duty Construction	
Black finish available	Yes
Silver finish available	Yes
Power	PoE 802.3af
Tamper Alert	Optional
Keypad	
Key Fob Sensor	
Display Module	
Bluetooth Sensor	
Heavy Duty Construction / IP Rating	IP54

DOUBLE HEIGHT DOOR STATION

Optional Accessories

Options include flush mount and surface mount pre-construction brackets, tamper sensors and more.

Features & Options	Included
Video and Audio Intercom	Yes
Night vision camera	Yes
Video recording	Yes
Remote Notifications	Yes
User adjustable ring volume	Yes
Surface mount option	Yes
Flush mount option	Yes
Heavy Duty Construction	
Black finish available	Yes
Silver finish available	Yes
Power	PoE 802.3af
Tamper Alert	Optional
Keypad	Optional
Key Fob Sensor	Optional
Display Module	Optional
Bluetooth Sensor	Optional
Heavy Duty Construction / IP Rating	IP54

HEAVY DUTY DOOR STATION

Features & Options	Included
Video and Audio Intercom	Yes
Night vision camera	Yes
Video recording	Yes
Remote Notifications	Yes
User adjustable ring volume	Yes
Surface mount option	Yes
Flush mount option	Yes
Heavy Duty Construction	Yes
Black finish available	Yes
Silver finish available	
Power	PoE 802.3af
Tamper Alert	Optional
Keypad	Yes
Key Fob Sensor	
Display Module	
Bluetooth Sensor	
Heavy Duty Construction / IP Rating	Yes / IP69

Optional Accessories

Options include flush mount and surface mount pre-construction brackets, tamper sensors and more.

COMPARISON CHART

Features & Options	Single	Double	Heavy Duty
Video and Audio Intercom	Yes	Yes	Yes
Night vision camera	Yes	Yes	Yes
Video recording	Yes	Yes	Yes
Remote Notifications	Yes	Yes	Yes
User adjustable ring volume	Yes	Yes	Yes
Surface mount option	Yes	Yes	Yes
Flush mount option	Yes	Yes	Yes
Heavy Duty Construction			Yes
Black finish available	Yes	Yes	Yes
Silver finish available	Yes	Yes	
Power	PoE 802.3af	PoE 802.3af	PoE 802.3af
Tamper Alert	Optional	Optional	Optional
Keypad		Optional	Yes
Key Fob Sensor		Optional	
Display Module		Optional	
Bluetooth Sensor		Optional	
Heavy Duty Construction / IP Rating	IP54	IP54	Yes / IP69

SAVANT TRUEIMAGE LIGHTING

By delivering visual control of lights through Savant's patented TrueImage technology, Savant makes the lighting control experience effortless. TrueImage technology is designed for you to take a photo of your light and save it in the Savant Pro App, With images of each light, lighting control is easy, simply touch the image and see the colour and brightness simultaneously change in your virtual light and in your real-world fixture.
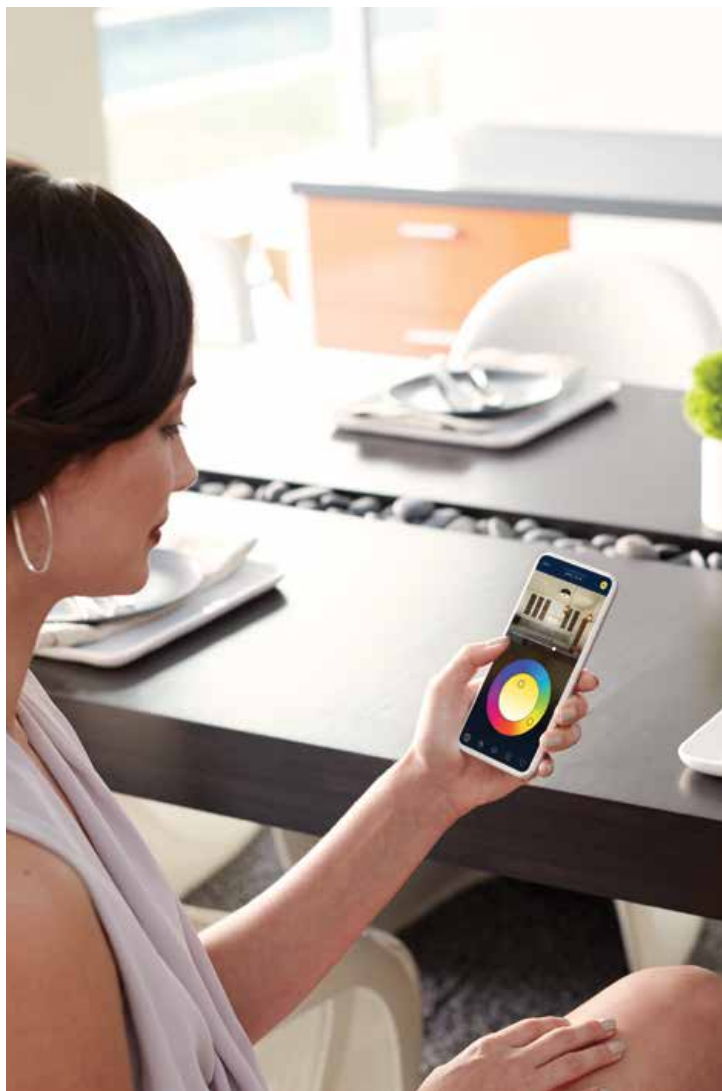
Step 1: Take Your Trueimage Photo

Simply hold your mobile device up to the light to snap your TrueImage photo. Hold steady, the light will blink while the Savant Pro App quickly takes two photos in less than a second, one with the light on, one with the light off.

Step 2: Scale & Crop Your Image

Perfect your image by getting it scaled to size.
Tip: if the image is blurry, try using a tripod for a clearer picture.

Step 3: Set Defaults

Set dim level and, with Savant Smart Bulbs or DMX Strips, set default WRGB Colour.

Next Level Colour

TrueImage even works with coloured lighting. The millions of colour options available with Savant Smart Bulbs and Strips are shown in the Savant Pro App, so you can change your lighting colours and see what it looks like, even when you are out of the room.

Choose your lighting accents by individual colour or from a list of colour temperatures perfect for working, entertaining, or relaxing.
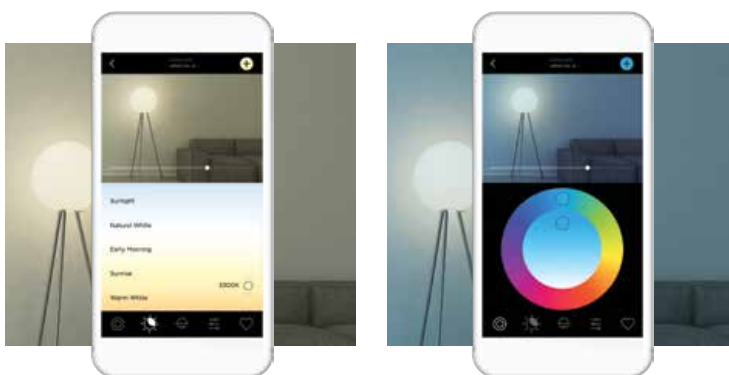
SCALABLE SYSTEM ARCHITECTURE

Savant not only designed control and automation to be easy to use, but also quick to configure and deploy. Although the system is scalable across many project types and size, at its core are three basic components that are required to create a Savant System: a Savant Host, a Savant Controller, and a User Interface.

Savant Host:
The Brain of the System

The Savant Host takes commands from any of Savant's User Interfaces and sends direction to the Controllers with the details on which subsystems to control.
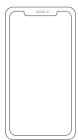
Savant User Interfaces:
The Beauty of the System

The Savant User Interfaces are designed to deliver a personalised control experience. User Interfaces include mobile devices, touch panels, remote controls, keypads climate interfaces and even voice.

Savant Controllers:
The Brawn of the System

The Savant Controllers act as Bridge between the Savant Host and the subsystems that are being controlled.

Savant Studio

Savant Cloud Mgmt (SCM)

Savant Pro App (iOS, Android)

Savant Tools:
The Power to Personalise Each System

The Savant tool set includes Savant Studio, an iOS-based, field configuration tool for end-to-end system design and deployment. Savant Studio supports the full range of features and services with Savant music, lighting, climate, and more.

Savant Studio, working in conjunction with Savant Central Management allows for efficient, scalable programming through remote configuration and diagnostic tools, auditing practices for field service, secure employee access and system/software tracking across all installations.

HOW IT ALL WORKS TOGETHER

Create Custom Profiles in Blueprint that can be uploaded to SCM & used on a Savant Studio Project

Savant Central Management
Use with Both Blueprint & Studio Configurations

Savant Studio App
Configuration Tool for Entry Level Savant Systems

Blueprint
Configuration Tool for all Savant Systems

Create a basic Project in Studio and open it Blueprint to customise

Store Blueprint Configuration files in SCM for quick revision tracking

SAVANT HOSTS

CURRENT HOSTS

	S2 Host	HST-STUDIO	HST-SIPA1SM	Smart Host with Control	Pro Host
In Blueprint as	S2 Host	HST-STUDIO	HST-SIPA1SM	Smart Host with Control	Pro Host
Purchased as	SHC-S2-00	HST-STUDIO46-2CH-00 or HST-STUDIO55-2CH-00	IP Audio 1 with Integrated Host and Savant Music 2.0	HST-SAVANT7-00 HST-SAVANT6-00 HST-SAVANT6P-00	SVR-5200S-01 SVR-5100S-00
Available Licensing	Pre-Installed	Pre-Installed		OSL-SMRT10-00 SSL-SMRTE-1YR	OSL-PRO10 SSL-PROE-1YR
Anything rooms	(2) Rooms		(2) Rooms	(12) Rooms	Open
Audio Only Rooms	(4) Additional Audio-only Rooms		(4) Additional Audio Only	(6) Additional Audio-only Rooms	N/A
Environmental Only Rooms	Open		Open	Open	N/A
Pro App Compatibility	Savant Pro App		Savant Pro App	Savant Pro App	Savant Pro App
Tiling	No		No	No	Yes
Energy Service	No		No	(24) Sensors / (6) WPS max -or- 32 Companion Modules	Open
HVAC	(4) T-stats		(4) T-stats	(12) T-stats	(64) T-stats
Security	No		(64) endpoints	(128) endpoints	Open
IP Cameras	(4) cameras		(4) cameras	(8) cameras	Open
Lighting	(32) loads		(32) loads	(64) loads	Open
Shades	(32) shades		(32) shades	(32) shades	Open
Mobile Devices	(24) devices		(24) devices	(24) devices	Open
BACnet & KNX Integration	Yes		Yes	Yes	Yes
Savant IP Video Devices	No		No	Open (No Tiling)	Open
Savant IP Audio Devices	1 stream		Up to 6	Up to 18 streams	Up to 45 (+200 Listen Only)
Savant Music	Yes (Requires SMS unit)		Yes	Yes (Requires SMS unit)	Yes (Requires SMS unit)
Sonos	Yes		Yes	Yes	Yes
Entry Stations	(1) Station		(1) Station	(3) Stations	(5) Stations
Garage Door	(2) Garage Doors		(2) Garage Doors	(8) Garage Doors	Open
Door Locks	(2) Door Locks		(2) Door Locks	(8) Door Locks	Open
Controllers	All Controllers in Blueprint		All Controllers in Blueprint	All Controllers in Blueprint	All Controllers in Blueprint

SAVANT CONTROLLERS

Now that your aware any Savant job just needs one HOST, you can have an unlimited amount of controllers. These can be either centralised or decentralised depending on your design. How cool is that?

SSC-W002G
Control Ports

- 1 Relay
- 1 GPIO

SSC-W003I
Control Ports

- 3 IR

SSC-W02R
Control Ports

- 3 RS232

SSC-0012
Control Ports

- 1 Ethernet
- 6 IR
- 2 RS-232
- 2 Relay
- 2 GPIO

SSC-0014
Control Ports

- 1 Ethernet
- 7 Relay
- 7 GPIO

SSC-P0025
Control Ports

- 1 Ethernet
- 8 RS-232
- 6 IR
- 3 Relay
- 7 GPIO

SSC-W103i-00

- IR learning
- 3 IR control ports
- Wi-Fi (802.11 b/g/n 2.4 GHz)
- Ultra-compact, surface mount design

SSC-W485-00

- Dedicated native RS485 port
- Powers off 24V to provide easy integration with shades.
- Ultra-compact, surface mount design

SSC-002485

- 2 RS485 ports
- 3 Relay ports
- 7 General Purpose IO (GPIO) ports
- 1 Ethernet port

RECOMMENDED SAVANT PROFILES

SAVANT CERTIFIED

Savant has over 7000+ profiles available in its database.
Please ask your local representative for more information.

Alarm Panels

NESS   PARADOX

inner range
www.innerrange.com
Intelligent Security Solutions

Lighting & Shades

LUTRON   C-Bus

dynalite   somfy
AUTOMATION & CONTROLS

FIBARO   nero

PHILIPS hue
personal wireless lighting   KNX

Entry & Security

Yale   ring   2N
An Axis company

august   IC REALTIME

HVAC

Coolmaster   AIRTOPIA
ENHANCED CLIMATE CONTROL

IntesisBox   SENSIBO

izone   BIG ASS FANS

COOLAUTOMATION

Pools & Spa

IntelliTouch
pool/spa control system   iAquaLink

Audio & Video

REVEL   audioquest

ARCAM   PureLink

crown   DEVIALET

AudioControl
Making Good Sound Great   JBL

BLACKDOVE

Cameras

dahua
TECHNOLOGY   MOBOTIX

HIKVISION   AXIS
COMMUNICATIONS

IC REALTIME

TVs

SONY   LG
Life's Good

SAMSUNG

Energy & Power

SURGEX   RACEPOINT
RETHINKING THE GRID

Networking

NETGEAR   LUXUL

Extreme
networks

Voice Control

Google Home   WORKS WITH
amazon alexa

Light Engine

The Avation Light Engine is an intermediary communications server, a Co-Processor Module to facilitate control and state feedback between Clipsal C-Bus, Dynalite, Philips Hue, Fibaro HC3, Airstream iZone, and Inner Range Inception.

The web interface allows for quick and easy lighting system integration with Savant allowing you to convert the Cbus or Dynalite system file directly to a Savant Plist without having to type in the addresses. It also incorporates the profile for fast set up and integration

The Avation Light Engine POE v2 is housed in a DIN rail mounting enclosure. It features an rs232 port as well as the option to select between static IP and DHCP assignment and the unit supports POE power while a micro USB PSU is included if POE is not available. Please note C-gate installations natively embedded on the Savant Host are no longer supported

avation
light engine

SAVANT

ANSWER FROM ANYWHERE

Be notified instantly when someone is at your door with an audio and video feed from the door entry station, regardless of where you are. Answer to start the two way intercom, and unlock the door, turn on the lights or activate a Savant Scene.
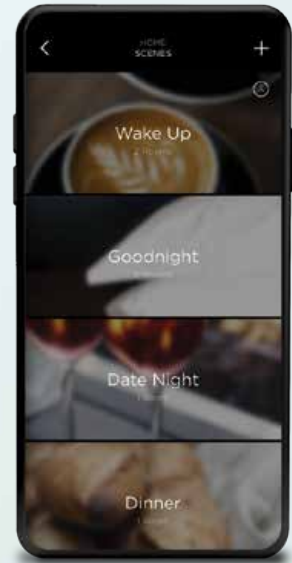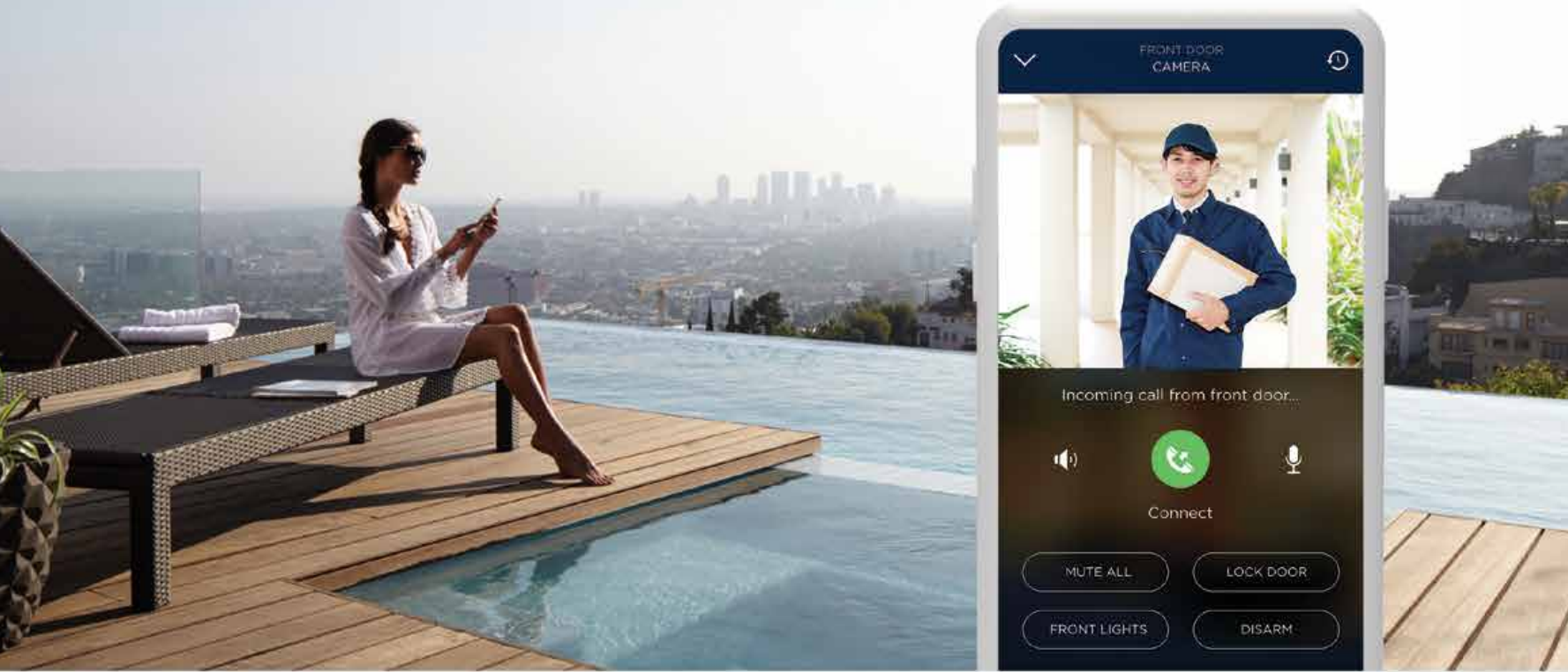
SAVANT HOME APP FOR APPLE TV

On-Screen Display Re-Imagined

The new Savant Home App for Apple TV delivers on-screen control of your entire home, including climate, lighting, audio and more.

The Savant Home App delivers you the power to view door station cameras, adjust temperature and music, set your favorite Savant Scene, and create the perfect mood by adjusting lights to just the right colour.

The Savant Home App is scalable to fit the needs of any home. When used in conjunction with Savant IP Video, advanced features are available including the ability to bring up the on-screen menu without missing a beat. Simply launch the On-Screen Display feature from any Savant remote control and the menu bar appears directly below the action.

You can also choose the Savant Home App in Direct Mode. Direct Mode brings up the menu full-screen and requires only an Apple TV for simple set-up.

IP Video Control

Combined with Savant's award winning IP Video switching technology, the on-screen experience does not require you to switch sources from what you are currently watching, even if you are in Video Tiling Mode. Plus the Savant Home App can be accessed from any TV in the house.

IP Video Installation

Savant Home App   Video Tiling   Video Wall

Video Output   Video Output   Video Output

Savant Video Switch
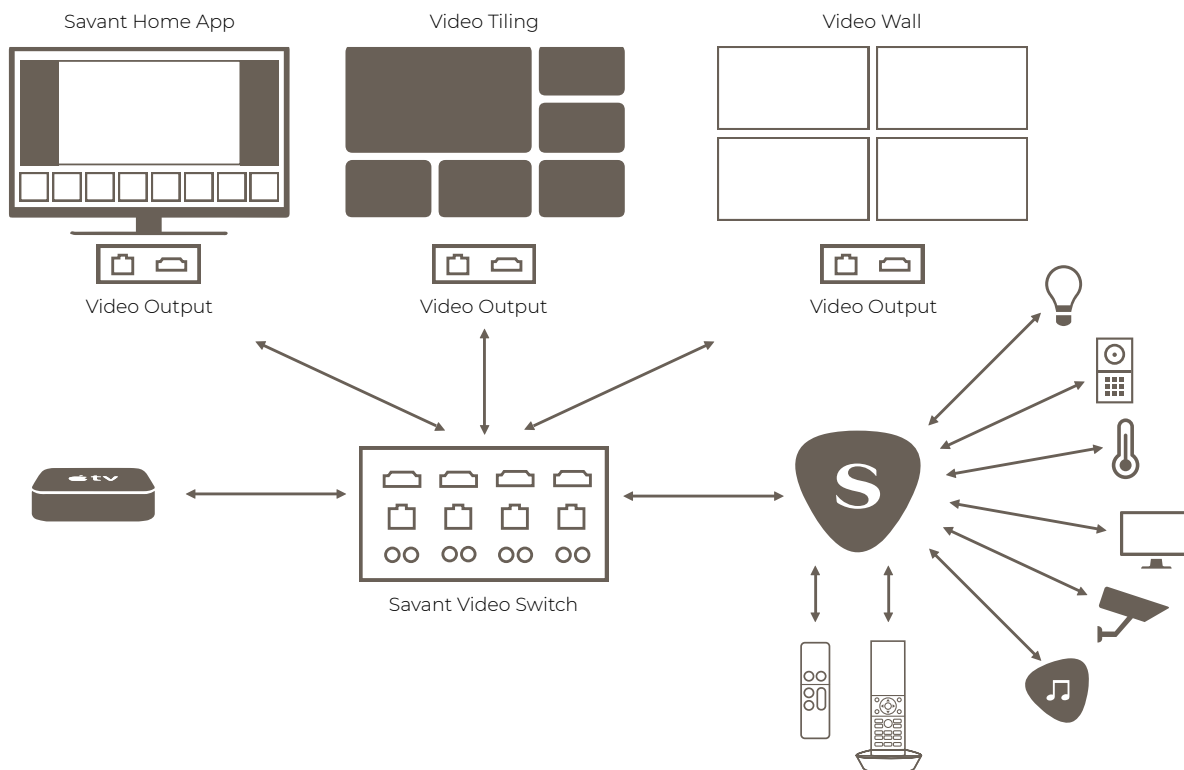
Direct Control

With simple installation and design for an individual TV, the Savant Home App for Apple TV displays just like any other video source, presenting a full screen control center for your Savant Home.

Direct Control Installation
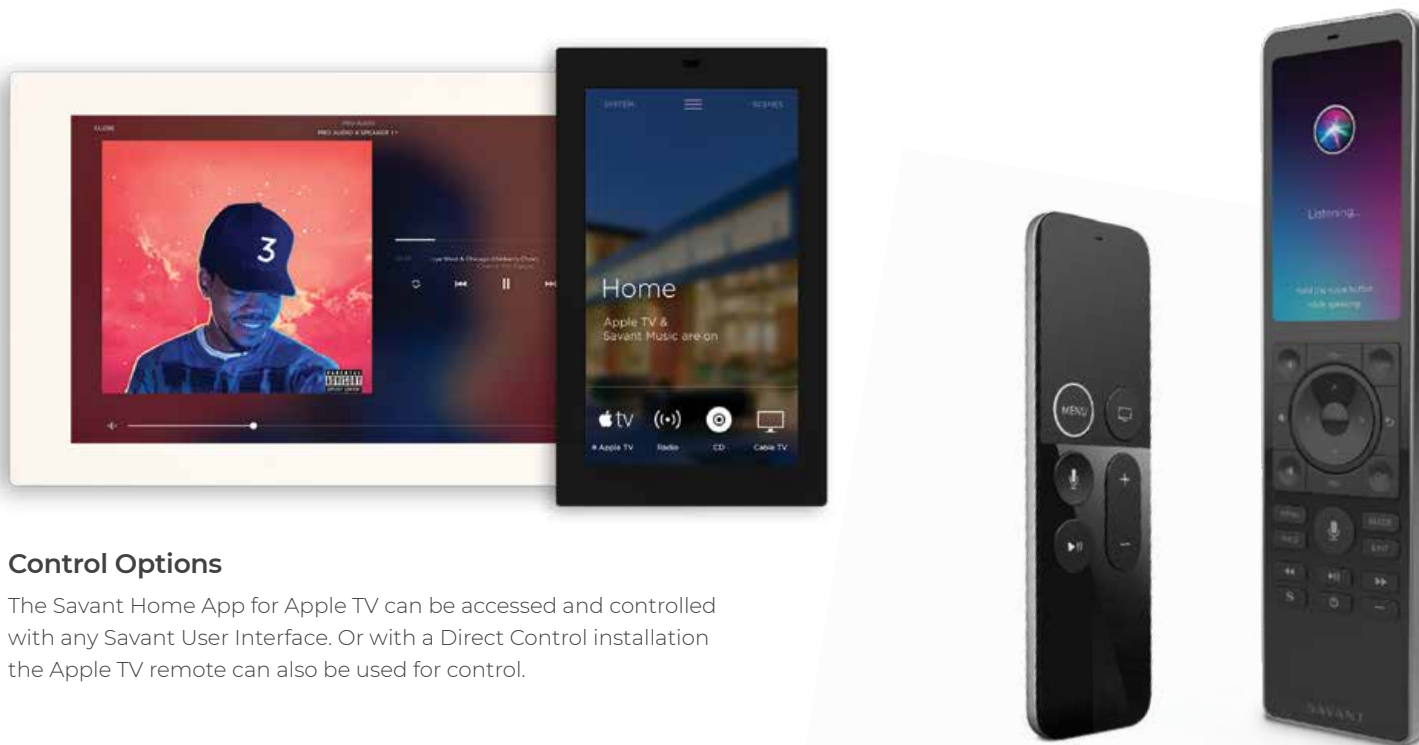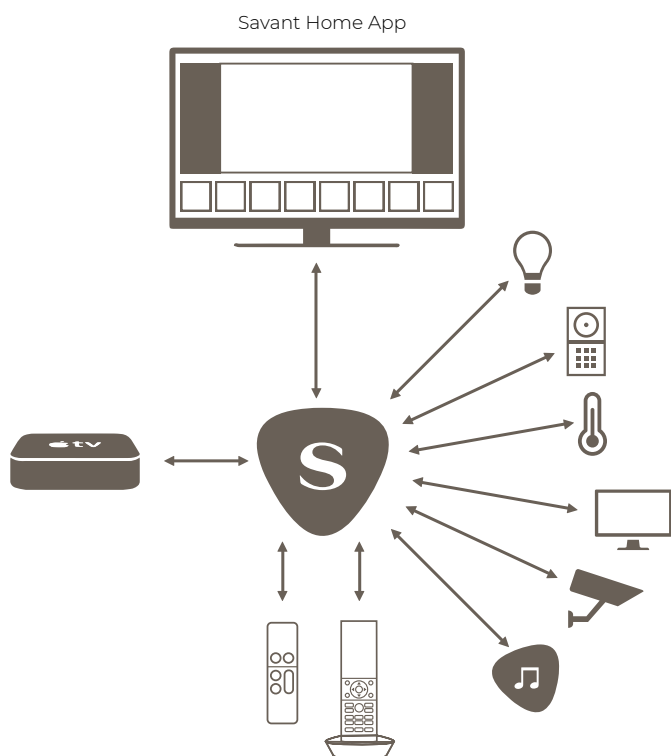
Savant Home App

Control Options

The Savant Home App for Apple TV can be accessed and controlled with any Savant User Interface. Or with a Direct Control installation the Apple TV remote can also be used for control.

Lighting

Full control of any lighting fixture in your home, including visual feedback updated in real-time with Savant's TrueImage technology.

Climate

Climate control is as easy as selecting the desired climate zone and adjusting the set points on-screen.

Security Cameras

Peace of mind at the touch of a button. View your security cameras in full-screen resolution without leaving your couch.

Music

Seamlessly traverse albums and playlists. Display info on what's playing right now for party guests.

Shades

Shade control is as easy as selecting the shade and adjusting the height.

Energy

Check in on the consumption or generation of energy within your home.

Cable TV

Bring up the cable TV guide or quickly navigate to favorite channels with the Cable TV service.

IP Video Control

Combined with Savant's award winning IP Video switching technology, the on-screen experience does not require you to switch sources from what you are currently watching, even if you are in Video Tiling Mode. Plus the Savant Home App can be accessed from any TV in the house.

ENERGY MONITORING & MANAGEMENT

The Savant Pro App provides real-time, utility grade energy information.
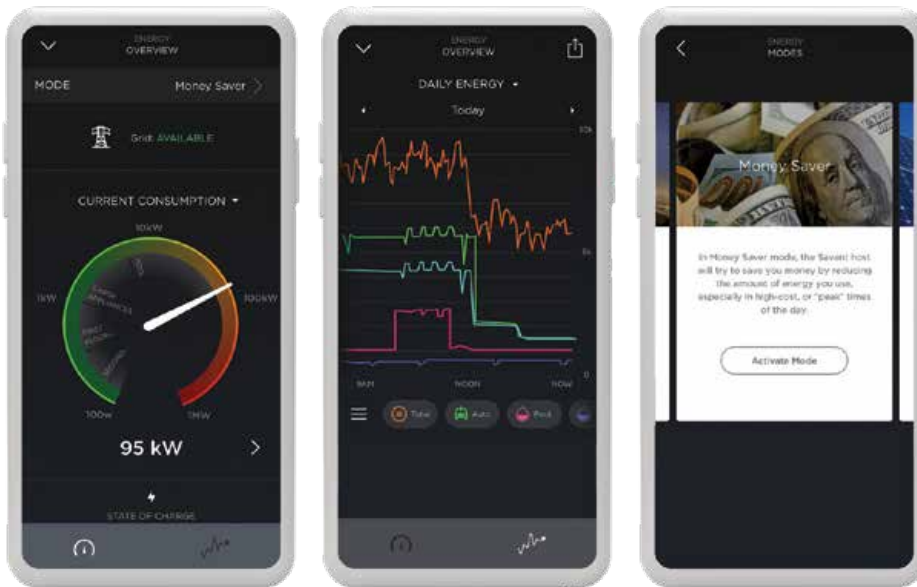
View and monitor energy usage trends, see real-time, utility grade consumption data and activate pre-defined Energy Modes. Energy Modes are like Savant Scenes for energy consumption.

Pair the Savant System with Racepoint Energy Solar Panels and battery storage systems and now you can manage energy generation, storage and consumption.

DAYLIGHT MODE

Create and control your own Personal Wellness Experience.

With **Daylight Mode** activated, your lights will transition though colour temperatures througout the day to correspond to the sun.

Designed to help with your circadian rhythm, lights will adust to warmer temperatures in the morning and evening and cooler in the middle of the day.

USAI Lighting, Savant DMX Light Strips & Smart Bulbs are all compatible with Daylight Mode.
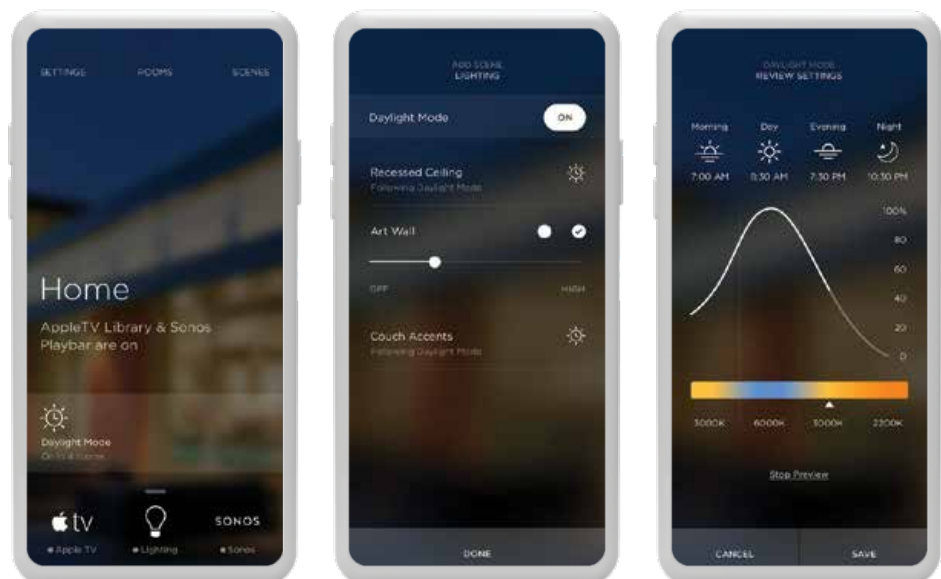
SAVANT IP VIDEO

Thrill the Audience with Savant IP Solutions

IP Video

Savant 4K-Over-IP is an advanced, high-speed, scalable solution that fi ts equally in small and large video distribution systems. Audio Down-mixing and advanced video processing enable Savant IP Video and Audio distribution solutions to deliver any video and/or audio source to any room.

4K   **DOLBY VISION**   **HDR**

Standard Network

- Savant Remote
- Wifi Router
- Standard 1Gb Network Switch
- Savant Pro Host
- Light Gateway
- Lamps
- Controller
- Doors
- Garage
- Thermostat

Video Network

- Video Sources
- Video Input
- Video Over IP 10Gb Network Switch
- 4K
- 4K
- 4K
- 1080p
- 1080p
- 1080p

Audio Network

- Audio Sources
- IP Audio Distribution
- Speakers
- AV Audio Over IP 1Gb Network Switch
- Speakers
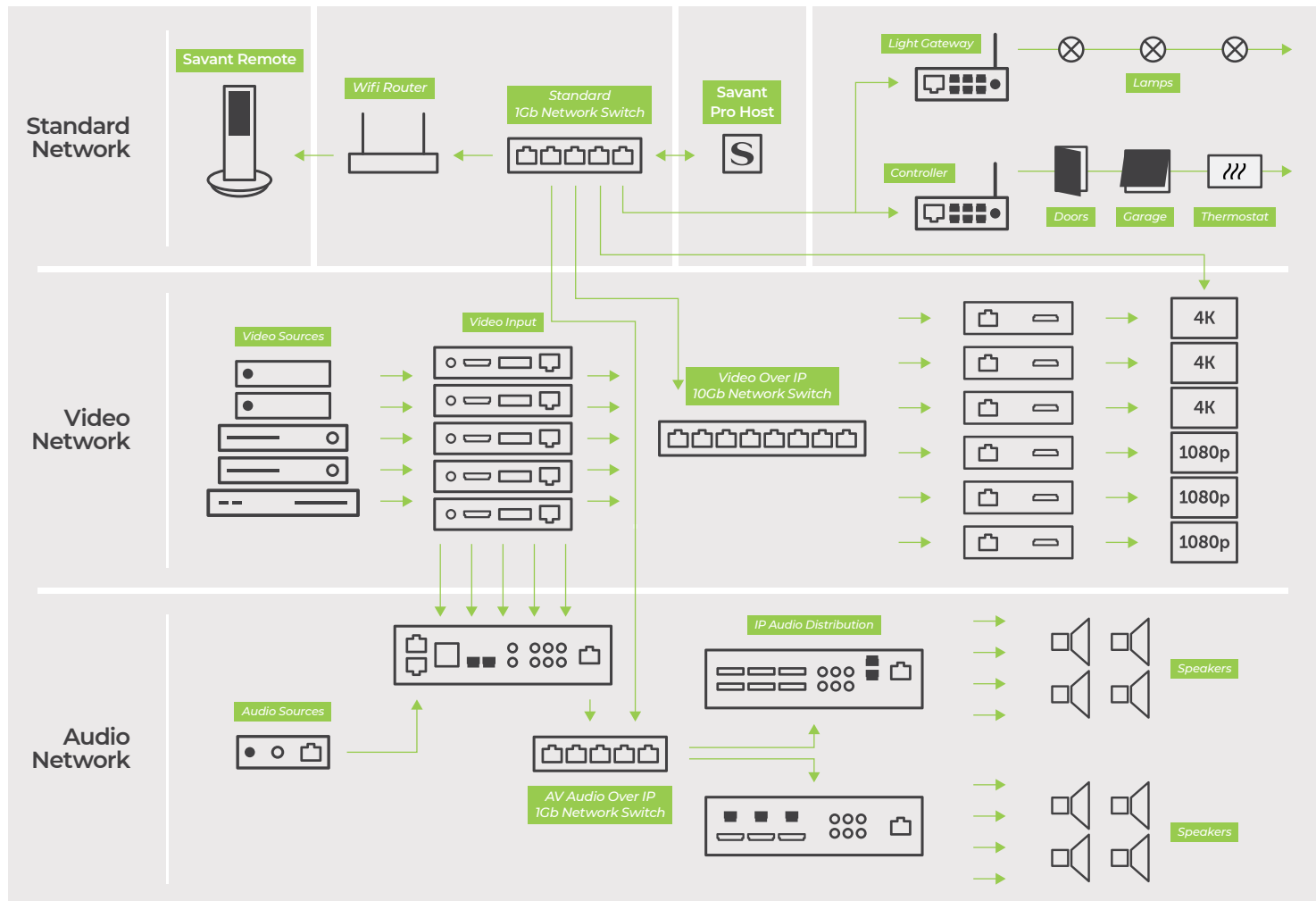
IP VIDEO TILING – ONLY FROM SAVANT

Display multiple sources on a screen, simply control sources and choose audio, create presets, add to Savant Scenes and much more.

See It All

Savant's unique control interface makes multiple views simple and intuitive. Select from predefined layouts, drag a tile to move views, double tap to expand a particular source, or press and drag the audio icon to choose which source to listen to.

Control At Your Fingertips

Tap on any tile to bring up the control interface for that source. Whether it's streaming, cable, satellite, or your favorite gaming console, Savant's advanced interface determines the right controls for that source.
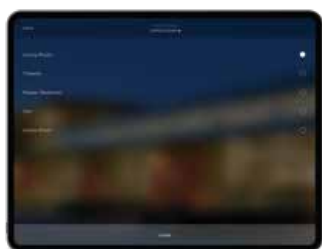
Video Tiling Anywhere

With Savant's IP Video solutions, Video Tiling is available on any display connected to the IP Video system, either with the same view or each with an independent view.

All Your Favorites

Access all your favorite channels at a touch. Save certain views with predefi ned layouts, channels and sources. Keep one for all your morning information, one for your work day, and another for game day, the choice is yours.

High-Performance Entertainment

Distribute pristine pixel perfect video at the highest resolutions, and clean, clear audio from source to speaker. Deliver scalable and reliable custom systems that live up to the Savant name.

4K

Only From Savant

Savant IP Video combines the latest in 10GbE networking with proprietary technology to distribute exact uncompressed video with zero frame latency at the most commonly used 4K resolutions*. Includes support for HDCP 2.2 and HDMI 2.0a with HDR**.

Super Scale

Use Savant IP Audio and Video for your largest distribution jobs. System size is only bounded by the network. Simply add more Savant IP transmitters or receivers on the network to add a new source or display to the system.

Bring The Audio

Only Savant provides solutions for simultaneous audio distribution over IP. Options available to down-mix surround audio to 2 channel and distribute over the AVB/TSN network, or use PCM audio.

Rock Solid Reliability

Savant pioneered reliable, fast switching HDMI distribution with audio and uses the same technology to deliver synchronised video and audio content to any room over IP.
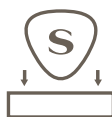
At Your Command

Includes Savant control ports for each input and output. With support for Video Tiling, format locking per display, video down-conversion and EDID management, Savant IP video ensures you are always in command.

Future Proof

10GbE network bandwidth ensures that your video distribution system will be ready for whatever tomorrow brings.

VIDEO INPUTS

Video Inputs take sources and transmit them to the 10Gb Video network.

Type	Video Transmitter 4 or 8 Input	Video Transmitter 4 or 8 Input	Video Transmitter Single Input	Video Transmitter Single Input	Video Transmitter Single Input
Model Number	PAV-VIM4S / PAV-VIM8S	PAV-VIMAP4S / PAV-VIMAP8S	PAV-VIM1C	PAV-VIMVP1C	PAV-VIMVP1F
CONNECTIVITY					
IR Control Ports	4 / 8 (1 Per Source)	4 / 8 (1 Per Source)	1	1	1
RS232 Control Ports	4 / 8 (1 Per Source)	4 / 8 (1 Per Source)	1	1	1
1GbE Network Connectivity	4 / 8 (1 Per Source)	4 / 8 (1 Per Source)	1	1	1
Recommended Infrastructure	SFP + Termination	SFP + Termination	Cat6A / Cat7	Cat6A / Cat7	Duplex MM Fiber
10GbE Termination Type	SFP+	SFP+	RJ45	RJ45	Dual LC
Supported Distance	300m / 1000'	300m / 1000'	100m / 330'	100m / 330'	300m / 1000'
Legacy Copper Support	N/A	N/A	Cat6 @ 30m / 100'	Cat6 @ 30m / 100'	N/A
VIDEO PERFORMANCE					
Video Wall Compatibility	●	●	●	●	●
Multi-View / Tiling Compatibility	●	●		●	●
Audio Downmixing with AVB Integration		●			
PCM Stereo / Multi-Channel PCM Support	●	●	●	●	●
Supported Video Formats	Up to 4K/60 4:4:4 w/ HDR	Up to 4K/60 4:4:4 w/ HDR	Up to 4K/60 4:4:4 w/ HDR	Up to 4K/60 4:4:4 w/ HDR	Up to 4K/60 4:4:4 w/ HDR
HDMI	2.0a	2.0a	2.0a	2.0a	2.0a
HDCP	2.2	2.2	2.2	2.2	2.2
HDR Support	●	●	●	●	●
INSTALLATION					
Rack Mountable	●	●	With RCK-PAVVM8		
Rack Height	3U	3U	5U (Up to 8 Transmitters)		

VIDEO OUTPUTS

Video Outputs receive video from the 10Gb network and output them to TVs and projectors

Type	Video Receiver Single Output	Video Receiver Single Output	Video Receiver Single Output
Model Number	PAV-VOM1CP2-00	PAV-VOMVP1CP2	PAV-VOMVP1F
CONNECTIVITY			
IR Control Ports	1	1	1
RS232 Control Ports	1	1	1
1GbE Network Connectivity	1	1	1
Recommended Infrastructure	Cat6A / Cat7	Cat6A / Cat7	OM3 Duplex MM Fiber
10GbE Termination Type	RJ45	RJ45	Dual LC
Supported Distance	100m / 330'	100m / 330'	300m / 1000'
Legacy Copper Support	Cat6 @ 30m/100'	Cat6 @ 30m/100'	N/A
VIDEO PERFORMANCE			
Video Scaling		●	●
Seamless Switching		●	●
Video Wall Compatibility		●	●
Multi-View / Tiling Compatibility		●	●
HDMI Audio	●	●	●
Supported Video Formats	Up to 4K/60 4:4:4 w/ HDR	Up to 4K/60 4:4:4 w/ HDR	Up to 4K/60 4:4:4 w/ HDR
HDMI	2.0a	2.0a	2.0a
HDCP	2.2	2.2	2.2
HDR Support	●	●	●
HDMI Loop		●	
POWER – 12V / POE+	●	●	

SAVANT MUSIC

Hi·Res
AUDIO
24bit, 96Khz
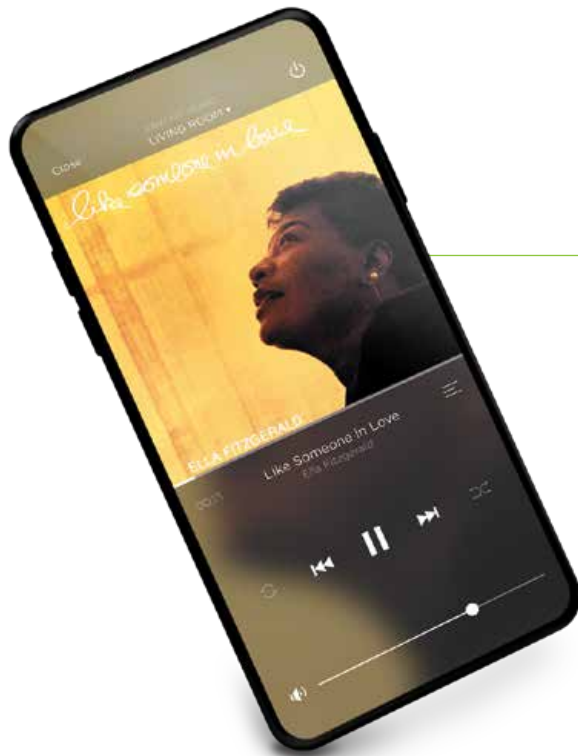
Ideal For Audiophiles

Hear music as it's meant to be heard. Enjoy instant access to your stored collection of high-fidelity content in the den, study, or even by the pool.

Streaming Straight to Any Room

Savant Music is now included with every Smart Host, which makes whole-home audio more accessible and affordable than ever.

Max streams – 40
Max zones – 240

Browse music in your favorite streaming services without leaving the Savant Pro App.

SAVANT MUSIC

Cutting Edge Control

The Savant Pro Remote offers state of the art audio control from your favorite seat—just say "Play Music" and listen to recent selections, playlists, and favorites.

All Your Music in One Place

With Savant Music, you can stream Spotify, Pandora, Deezer, and more—or call up a classic from your digital album collection.

Airplay audio throughout your house, direct from your phone to a Savant media server.

Add music from any service to a Savant scene and ensure the mood is just the way you want.

SAVANT MUSIC

Music Gets Personal

All of your music in one place, accessible from any one of our award-winning user interfaces. The Savant Music platform offers an unmatched personalised listening experience. Powerful advanced search features, cutting edge wireless technology, and seamless, intuitive control that scales to suit your needs.

SAVANT MUSIC

See your **Recent Searches** populated here

Supported **Music Services** include:

- Spotify
- Pandora
- Google Music
- AirPlay
- Tidal

- Plex
- SiriusXM
- Tunein
- Deezer

Custom Dashboard Add streaming services, playlists, artists, albums and more to keep the content you want front and center.

Get right to the music you want right now. Search across all services at once with our powerful, streamlined **Music Search**.

Browse all of your music from all of your sources in one **Library**.

Air Play 2 coming soon

SAVANT MUSIC

Wireless Surround

Equaliser
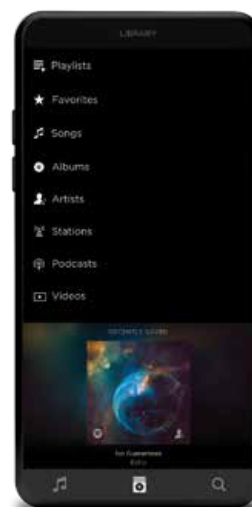
Music Library

Audio Settings

Our Smart Audio speakers deliver best in class wireless audio with simple configuration right from the Savant Pro App. Just connect, locate speakers, and assign channels for up to 5.2 surround in minutes.

The Savant Pro App's Equaliser function lets even the most discerning audiophiles keep their sound dialled in perfectly, with a 7-band graphical EQ allowing for ±12dB attention. Users can create and save personalised presets, then apply them to any active audio service with a single tap.

Now Playing

Search

SAVANT IP AUDIO

Savant IP Audio Distribution

Any source, any speaker. The Savant IP Audio product line is a decentralised, massively scalable audio distribution solution. Utilising AVB, a plug-and-play networking protocol, Savant IP Audio systems distribute and synchronise high resolution audio anywhere in the home. Simply plug any Savant IP Audio module into an AVB Ethernet switch to add audio to any room.

Source-to-Speaker

Only Savant offers a complete source-to-speaker audio distribution solution. Enjoy high-performance end-to-end delivery of digital music that circumvents the signal loss and degradation of traditional analog music systems. Deploy dynamic solutions that blend in-room speakers with the enhancement of a subwoofer to provide a richer experience.
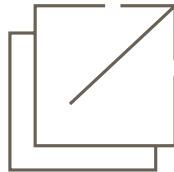
Modular & Scalable

Design systems using products with the perfect combination of music, switching, amplifi cation and control. Fewer products, less rack space, quicker deployment, higher satisfaction.

Savant IP Audio offers the fl exibility to deploy any sized solution from an enhanced single room audio experience to the largest of distributed applications.

Distributed Architecture

The home network has changed everything about our modern lives, including how we distribute audio signals throughout a home. Savant IP Audio leverages leading network technologies to decentralise your system and place equipment where it makes sense – closer to speakers or even in another building. A single category cable is all that is required to link it all together, reducing wiring and installation costs.

High Resolution

Your favorite streaming sources are delivered in stunning, high-resolution audio to any area of the home. Sit back and enjoy the experience of sitting in the recording studio with your favorite artist.

Seamless Integration

The perfect companion to a Savant IP Video system, Savant IP Audio works hand-in-hand to ensure synchronised delivery of stereo sound for any video source being distributed to your TV.

Standards-Based

Utilising Audio Video Bridge (AVB), a plug-and-play IEEE networking protocol, Savant IP Audio systems distribute and synchronise high resolution audio throughout the home with extremely low latency.
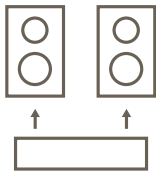
SAVANT IP AUDIO DISTRIBUTION

Any source, any speaker. The Savant IP Audio product line is a decentralised, massively scalable audio distribution solution. Utilising AVB, a plug-and-play networking protocol, Savant IP Audio systems distribute and synchronise high resolution audio anywhere in the home. Simply plug any Savant IP Audio module into an AVB Ethernet switch to add audio to any room.

Hi·Res AUDIO 24bit, 96Khz

IP Audio 50
With Savant music PAV-SIPA50SM

IP Audio 125
With Savant music PAV-SIPA125SM

IP Audio 1
With Savant music HST-SIPA1SM

SPECIFICATIONS

Type	IP Audio Transmit and Receiver with Amplification	IP Audio Transmit and Receiver with Amplification	IP Audio Transmit and Receiver with Amplification
Model Number	PAV-SIPA125SM	PAV-SIPA50SM	HST-SIPA1SM
Savant Music	Yes	Yes	Yes
Analog Audio Inputs	2	2	1
Optical Audio Inputs	2	2	1
Powered Speaker Outputs	4 Zones	4 Zones	1 Zone
Amplifier Rating	125W/Ch (8 Ohm)	50W/Ch (8 Ohm)	125W/Ch (8 Ohm)
Pre-amp RCA Outputs (Fixed or Variable)	1	1	1
Pre-amp RCA Outputs (Fixed Only)	1	1	
Embedded DSP Profiles for Savant & Artison Speakers	1		
Audio Sync Delay Adjustment	0-160ms	0-160ms	0-160ms
Adjustable EQ	Yes	Yes	Yes
Rack Height	2U	2U	1U

IP AUDIO EXPANSION

SPECIFICATIONS

Type	IP Audio Input Transmitter	IP Audio Output Receiver	IP Audio Output Receiver	IP Audio Single In And Out
Model Number	PAV-AIM7C	PAV-AOM8C	PAV-AOMBAL8C	PAV-AIO1C
Analog Audio Inputs	3			1*
Optical Audio Inputs	2			1*
Digital Coax Audio Inputs	2			
Pre-amp Analog Outputs (Fixed or Variable)		8	8	1
IR Control Ports	6			
RS232 Control Ports	2			
GPIO Control Ports		2	2	
Adjustable EQ		●	●	●
PoE Powered				●
Rack Height	1U	1U	1U	1U

IP AUDIO MUSIC SERVER

This all native music streamer features an installer friendly form factor and makes installation easy with native support for AVB. Install with any Savant IP Audio solution and no audio connects are required.

Hi·Res AUDIO 24bit, 96Khz

SPECIFICATIONS

Type	Streaming Music Server with Transmitter
Model Number	PAV-SMS2001
Embedded Music Stream	●
Pre-amp Optical Outputs (Fixed Only)	1
Pre-amp Digital Coax Outputs (Fixed Only)	1
AVB Device Type	Talker/Listener
Audio Sync Delay Adjustment	0-160ms
Rack Mountable	With RMB-PAVAM2
Rack Height	1U

SUPPORTED BY SAVANT MUSIC

tunein Spotify DEEZER TIDAL pandora Google Play Music PLEX

KEY FEATURES

- AirPlay content from any iOS device
- Instant access to popular streaming services including Spotify, Pandora, tunein, Deezer, Tidal, and Google Play Music plus access to local music through Plex
- Add music from any service to a Savant scene and ensure the mood is just the way you want
- Optical and Digital Coax connections for non AVB installs

SAVANT // IP AUDIO

www.avation.com.au

avation

IP AUDIO SOUNDBARS

Raising the bar once again, Savant's Soundbar with integrated host simplifies small project installation by providing everything you need in one package. Our new all-in-one one single room entertainment solution includes a built-in host, single stream music server, and control ports. Pair with a Savant Pro Remote to deliver the complete Savant experience.

The IP Studio 46 with Integrated Host is part of Savant's IP audio product suite, allowing you to easily expand the project to include IP Micro Aperture in ceiling speakers, subwoofers and other distributed audio solutions.

SPECIFICATIONS

	IP AUDIO SOUNDBAR 46	IP AUDIO SOUNDBAR 55
Model Number	HST-STUDIO46-2CH-00	HST-STUDIO55-2CH-00
Savant Music Server	Yes	Yes
Drivers	(4) 3.5" (89mm) Long Throw Carbon Fiber Midrange / Woofers (2) 25mm Vifa DX Super Audio Tweeters (2) 19mm Stage Tweeters	(6) 3.5" (89mm) Long Throw Carbon Fiber Midrange / Woofers (2) 25mm Vifa XT Super Audio Tweeters (2) 19mm Stage Tweeters
Frequency Response	Amplifier Frequency Response = 20 Hz to 20 kHz, ±1dB Acoustic Frequency Response = 100 Hz – 50 kHz ± 3 dB, bass enhancement to 50 Hz	Amplifier Frequency Response = 20 Hz to 20 kHz, ±1dB Acoustic Frequency Response = 80 Hz – 50 kHz ± 3 dB, bass enhancement to 40 Hz
Grille	Custom, minimum grille width: 45.4"	Custom, minimum grille width: 54.1"
Dimension	Without Grille: 4.17"H (105.9mm) × 44.76"W (1137mm) × 2.25"D (57.13mm) With Grille: 4.78"H (121.37mm) × Custom × 2.76"D (70.04mm)	Without Grille: 4.17"H (105.9mm) × 53.41"W (1356.50mm) × 2.25"D (57.13mm) With Grille: 4.78"H (121.37mm) × Custom W × 2.76"D (70.04mm)
Weight	30 lbs	31 lbs
Recommended Subwoofers	Nano 1 or RCC 320 Subwoofer	Nano 1 or RCC 320 Subwoofer
Material & Finish	Extruded aluminum with black anodised finish	Extruded aluminum with black anodised finish
Enclosure Type	Acoustic Suspension	Acoustic Suspension
Inputs	Ethernet, TOSLINK	Ethernet, TOSLINK
Control Ports	Two RS232, Three IR	Two RS232, Three IR

ARTISON STUDIO SOUNDBARS

Artison LCR Soundbars deliver superb sound without cluttering your décor. The side-firing driver configuration broadens the soundstage to achieve the dimensionality of a true cinema experience.
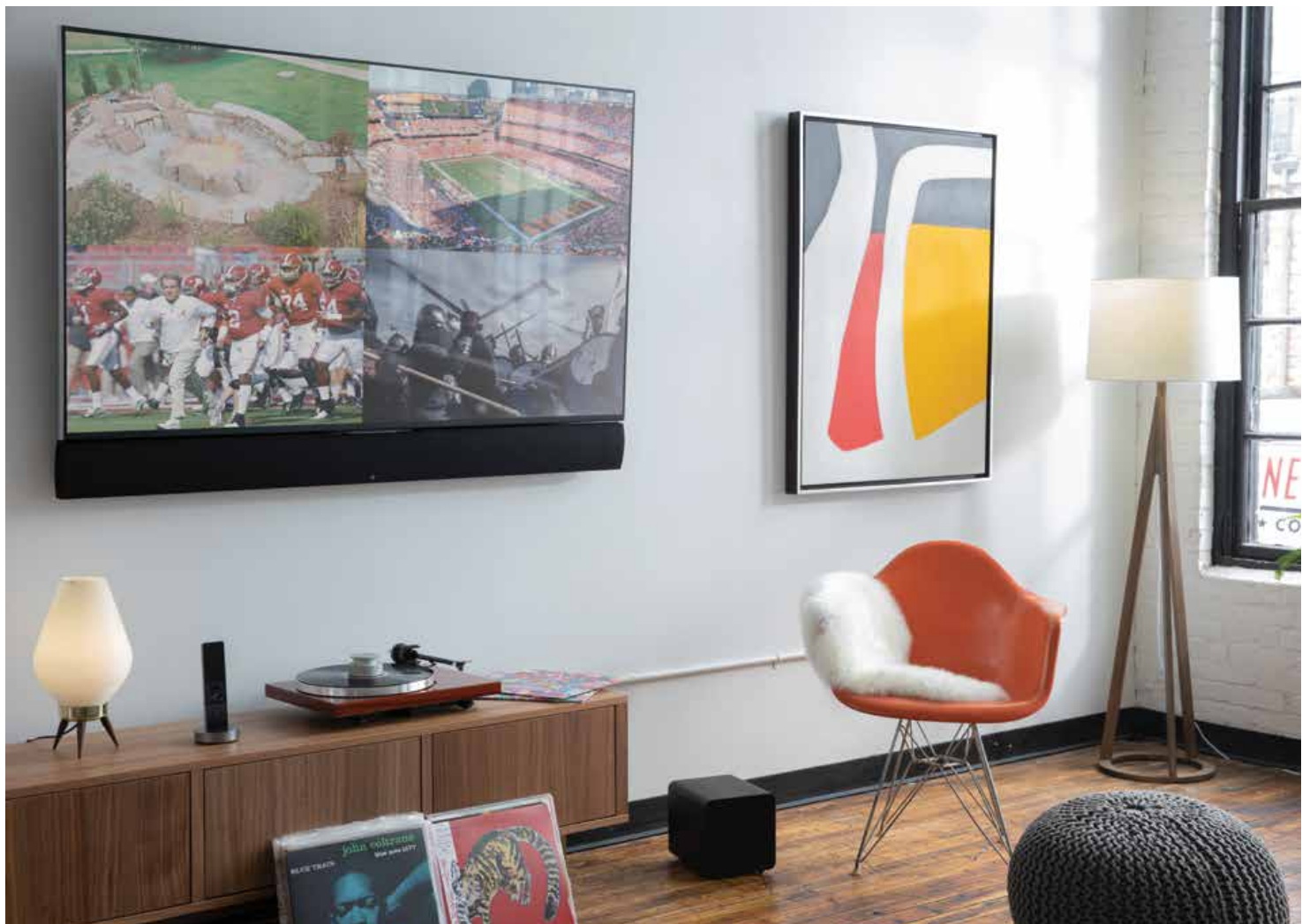
Studio 39

Studio 46

Studio 55

Studio 65

SPECIFICATIONS

Model	STUDIO 39	STUDIO 46	STUDIO 55	STUDIO 65
Driver Complement	Four – 3.5" Carbon Fiber Midrange/Woofers Three – 25mm Vifa DX Super Audio Tweeters Two – 19mm Stage Tweeters	Six – 3.5"(89mm) Long Throw Carbon Fiber Midrange/Woofers Three – 25mm Vifa DX Super Audio Tweeters Two – 19mm Stage Tweeters	Six – 3.5"(89mm) Long Throw Carbon Fiber Midrange/Woofers Three – 25mm Vifa XT Super Audio Tweeters Two – 19mm Stage Tweeters	Eight – 3.5"(89mm) Long Throw Carbon Fiber Midrange/Woofers Three – 25mm Vifa XT Super Audio Tweeters Two – 19mm Stage Tweeters
Dimensions Without Grille	Height: 4.2" (10.6 cm) Width: 37.4" (95.0 cm) Depth: 2.25" (5.7 cm)	Height: 4.2" (10.6 cm) Width: 44.76" (113.7 cm) Depth: 2.25" (5.7 cm)	Height: 4.2" (10.6 cm) Width: 53.38" (135.6 cm) Depth: 2.25" (5. 7 cm)	Height: 4.2" (10.6 cm) Width: 64.8" (164.7 cm) Depth: 2.2" (5. 7 cm)
Dimensions With Grille	Height: 4.76" (12.1 cm) Width: Custom Depth: 2.8" (7.0 cm)	Height: 4.76" (12.1 cm) Width: Custom Depth: 2.8" (7.0 cm)	Height: 4.76" (12.1 cm) Width: Custom Depth: 2.8" (7.0 cm)	Height: 4.76" (12.1 cm) Width: Custom Depth: 2.8" (7.0 cm)
Minimum Display Width	38"	45.4"	54.1"	65.5"
Minimum Grille Width	38"	45.4"	54.1"	65.5"
Enclosure	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum
Frequency Response	Center: 80 Hz – 40 kHz ± 3 dB Left/Right: 100 Hz – 40 kHz ± 3 dB	80 Hz – 50 kHz ± 3 dB	80 Hz – 20 kHz ± 3 dB	Center: 70 Hz – 50 kHz ± 3 dB Left / Right: 80 Hz – 50 kHz ± 3 dB
Recommended Power	Center: 75 – 150 Watts Left/Right: 50 – 100 Watts	75 – 150 Watts	75 – 150 Watts	75 – 150 Watts
Nominal Impedance	6 Ohms	6 Ohms	6 Ohms	6 Ohms
Sensitivity	87 db @ 2.83V, 1 Meter	89 db @ 2.83V, 1 Meter	89 db @ 2.83V, 1 Meter	89 db @ 2.83V, 1 Meter
System Weight	26 lbs	30 lbs	31 lbs	35 lbs
Accessories Available	· Mounting brackets included · Custom sized grilles available in Light Grey or Black. Grilles are sold separately.	· Mounting brackets included · Custom sized grilles available in Light Grey or Black. Grilles are sold separately.	· Mounting brackets included · Custom sized grilles available in Light Grey or Black. Grilles are sold separately.	· Mounting brackets included · Custom sized grilles available in Light Grey or Black. Grilles are sold separately.

WIRELESS SMART AUDIO

Introducing the First Wireless Surround System that can Control Your Home

Savant's revolutionary Smart Audio Soundbar and acoustically matched wireless speakers offer superior sound quality with Savant's award-winning technology built-in. The embedded Savant control system Host delivers compatibility with Savant's astonishing on-screen user interface, the Smart Home App for Apple TV.

Smart Audio Wireless LCR Soundbar

The Smart Audio Wireless Soundbar lets you experience best in class capabilities including a wide soundstage, amazing dynamics, ultra-clear dialogue, a built-in music stream plus all of the technology to control your home. Custom grille available, please ask.

Smart Audio Wireless Surround Speakers

Savant's Smart Audio surround speakers allow for modular scaling to meet the sound system needs of even the most discerning audiophile. Available in your choice of colour and finish. Rear in-ceiling options available, please ask.

Smart Audio Wireless Subwoofer

The Savant Smart Audio Subwoofer delivers clear, powerful low range audio in a compact package plus simple wireless integration with other Smart Audio products. We dare you to DOUBLE your SUBWOOFER – 2× is better. We have the science to prove it.
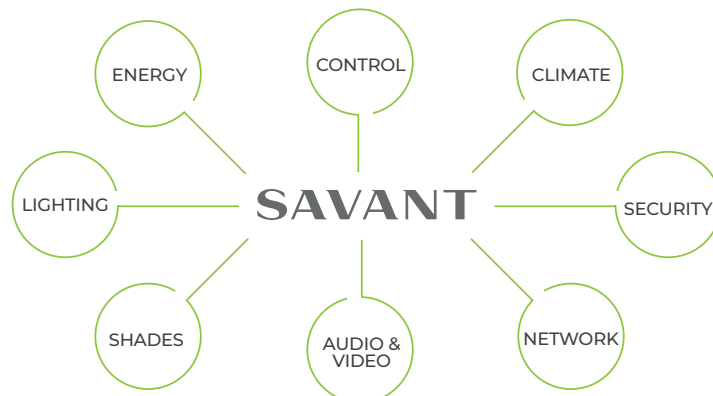
WIRELESS SMART AUDIO

Easy as 1 2 3

1 **Soundbar**
The first wireless surround system that can control your home.

2 or **Amplify the Bass**
Experience lower lows and higher highs when you add a Sub or Two.

3 or **Add a Pair of Rear Speakers**
Get immersed in the story and the music with surround sound.

Key Features

Aesthetics Above
These decor friendly in-ceiling speakers are available with compact, paintable round or square perforated grilles which compliment USAI lighting fixtures for a clean crisp look that architects, decorators, and clients will love.

Install EZE™ Tool-Less Installation
Exclusive magnet and spring clip design ensure the speakers stay secure in the ceiling, yet can be removed easily without needing to unscrew anything. The trim mounting ring makes them a perfect fit for both new construction and retrofit projects.

Low Balanced, Large Audio
Balanced Mode Radiator audio technology allows for big sound with far lower power requirements than traditional speakers.

More Speakers, Better Sound
Large in-ceiling speakers create audio hot and cold spots in a room, too loud when you are right under a speaker and too soft everywhere else. Micro Aperture speakers are just right.

Design Friendly, Budget Friendly
IP Audio Micro Aperture active speakers include a internal amplifier and integrated electronics with Power over Ethernet and passive satellite speakers. Standard Micro Aperture passive speakers are also available for use with conventional amplification.

IP AUDIO MICRO APERTURE 4,
ROUND EDG-4-AVB-R

4.65"
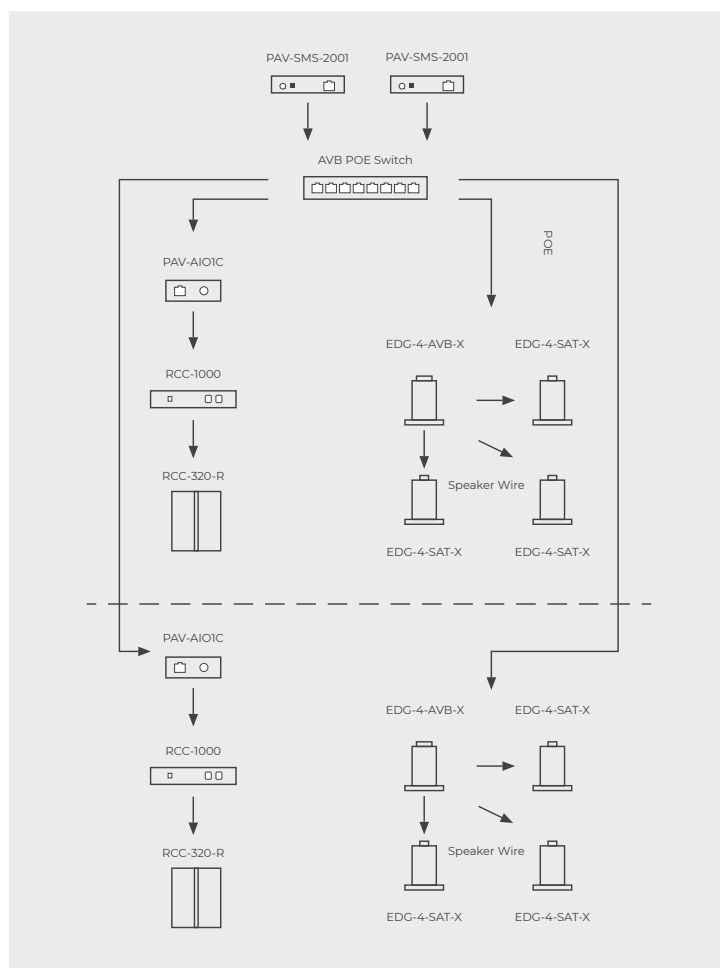
IP Audio Connected

IP speakers are a new innovation in the way sound is delivered. Isolated from rooms above through their closed backs, IP Audio speakers are POE powered and can drive up to three IP satellite speakers. This provides a 4-speaker capacity based on a single IP speaker and POE connection. Each IP speaker is individually controlled and connected to the network digital direct, eliminating the problems inherent with long analog audio speaker cable runs.

Rooted in the company's rich history in telecom, Savant IP Audio utilises AVB to deliver highresolution audio directly to Savant IP speakers. Preserving all the warmth and detail of your music, while simultaneously reducing the cost and complexity of distributed entertainment solutions.

IP Audio Micro Aperture 4 Satellite, Round
EDG-4-SAT-R

Micro Aperture 4, Round
MRS-4-R

SPECIFICATIONS

	IP AUDIO MICRO APERTURE 4	IP AUDIO MICRO APERTURE 4 SATELLITE	MICRO APERTURE 4
Model Number	EDG-4-AVB	EDG-4-SAT	MRS-4
Driver	Full Range Speaker 3.0" BMR™ (Balanced Mode Radiator) Flat Paper Laminated Honeycomb Diaphragm with water resistant coating Rubber surround Die-cast Aluminum frame Neodymium Magnet Wide Off axis power response		
Frequency Response	Amplifier Frequency Response = 20Hz to 20kHz, ±1dB Acoustic Frequency Response = 80 Hz – 20 kHz, ±3dB DSP Bass Enhancement down to 40 Hz	Acoustic Frequency Response = 80 Hz – 20 kHz, ±3dB DSP Bass Enhancement down to 40 Hz	80 Hz – 20 kHz, ±3dB
Power	50 Watts total (PoE 802.3bt Type 3)*	N/A	35 Watts Max
Sensitivity	89dB SPL (2.83V/1 meter)	89dB SPL (2.83V/1 meter)	89dB SPL (2.83V/1 meter)
Dimension	4.65" × 5.23"	4.65" × 5.23"	4.05" × 5.23"
Weight	1.75 lbs	1.75 lbs	1.40 lbs
Recommended Subwoofers	Nano or RCC	Nano or RCC	Nano or RCC
Install Eze Tool-less Installation	Yes	Yes	Yes
Square SKU Available	Yes	Yes	Yes
Round SKU Available	Yes	Yes	Yes
Closed Back	Yes	Yes	No
POE driven Internal Amplifier	Yes	No**	No
Sold As	Pair***	Pair	Pair

* 22.5W with 1 satellite, 12W with 3 satellites
** No amplifier requried, driven off parent IP Aperture
*** Pair includes 1 IP Aperture and 1 IP Aperture Satellite

CUSTOM SPEAKER GRILLES

By adjusting the size of the grille rather than the Soundbar or Side Mount speakers to adapt to any TV, our engineers can precisely tune each enclosure for optimal performance. When it's time to replace your screen, simply order a new grille for a perfect fit.

Design Custom Speaker Grilles Using The New Online Grille Designer

Step One:
Log in to Savant Store and the create a new project in the Grille Designer. Enter project and room to get started.

Step Two:
Enter speaker and display information, including speaker mount location so proper cutouts can be accounted for. If display information is not listed or you have a unique mounting location, custom measurements can be entered.

Step Three:
Grille designs can be saved and ordered once the project is ready.

ARTISON SIDE MOUNT SPEAKERS

The speaker that started a revolution – Artison's Dual Center LCR side mount speakers feature proprietary carbon fiber woofers, Vifa XT Super Audio Tweeters, and sleek enclosures designed to be hidden in plain sight. Technological and artistic details blend to create not merely state of the-art sound quality but an emotional experience that is unforgettable.

Side Mount Speakers

Model	MASTERPIECE	PORTRAIT	SKETCH
Sold As	Pair	Pair	Pair
Driver Complement	**Four** – 3.5" Carbon Fiber Midrange/Woofers **Sixteen** – 1" ART Drivers in Curved Line Array **One** – 1" Stage Tweeter	**Four** – 3.5" Carbon Fiber Midrange/Woofers **Two** – Vifa XT25 Super Audio Tweeters, 15° swivel mount **One** – 1" Stage Tweeter	**Two** – 3.5" Carbon Fiber Midrange/Woofers **Two** – 25mm Vifa DX Super Audio Tweeters **One** – 1" Stage Tweeter
Dimensions Without Grille	Height: 29.6" (75.1cm) Width: 6.2" (15.8 cm) Depth: 2.5" (6.3 cm)	Height: 25.3" (64.3 cm) Width: 6.2" (15.8 cm) Depth: 2.5" (6.3 cm)	Height: 25.3" (64.3 cm) Width: 6.2" (15.8 cm) Depth: 2.5" (6.3 cm)
Dimensions With Grille	Height: Custom Width: 6.5" (16.4 cm) Depth: 2.8" (7 cm)	Height: Custom Width: 6.5" (16.4 cm) Depth: 2.8" (7 cm)	Height: Custom Width: 6.5" (16.4 cm) Depth: 2.8" (7 cm)
Minimum Display Height	30" (76.2 cm)	25.7" (65.3 cm)	25.7" (65.3 cm)
Crossover	800 Hz	2.5 kHz	2.5 kHz
Frequency Response	80 Hz – 20 kHz ± 3 dB	80 Hz – 30 kHz ± 3 dB	Center: 80 Hz – 40 kHz ± 3 dB L/R: 100 Hz – 40 kHz ± 3dB
Recommended Power	100-250 Watts	100-200 Watts	Center: 75 – 150 Watts L/R: 50 – 100 Watts
Nominal Impedance	6 Ohms	6 Ohms	6 Ohms
Sensitivity	89 db @ 2.83V, 1 Meter	89 db @ 2.83V, 1 Meter	87 db @ 2.83V, 1 Meter
System Weight	28 lbs	25 lbs	22 lbs
Accessories Available	• Custom size grilles match the size of the display, available in light grey & black. Grilles are sold separately. • Universal Mounting Brackets / Hardware Kit -ordered separately • Optional In-Wall Kit -ordered separately (note that speakers can be mounted on-wall with no additional components)		

MICRO AUDIO

All Artison subwoofers incorporate RCC (Reactance Cancelling Configuration), ensuring zero cabinet vibration. Play them anywhere. The Nano can even live on a shelf, without moving an inch.

Artison Nano-1

Powerful and tiny, the Artison Nano One subwoofer is engineered to provide impactful bass without a bigger box.

Artison RCC-320 In-Wall Subwoofers

In-Wall Subwoofers deliver state-ofthe-art technology that is designed to be heard and not seen. They can be installed into a standard 2 × 4 stud bay pre or post construction.

Artison Nano Backpack P5

Nano Backpack is an ultra-shallow surround sound processor/amplifier that is easily mounted behind a display for powerful performance from a barely noticeable package, with multiple digital and analog inputs for maximum flexibility. Measuring a mere (H×W×D) 11.5" × 11.75" × 1.1", Backpack is specifically designed for high performance home theater audio in a tight space.

Key Features

- Anodised aluminum / satin black abs chassis
- Low profile layout for easy installation behind a flat panel display
- Decoding: Dolby Digital, DTS, Dolby Prologic II/IIX, DTS Neo
- Internal 2.4 / 5.8 Ghz antennas
- DLNA support
- On screen display with a graphical user interface
- IR remote control or ip controllable via RJ45/WI-FI
- Universal voltage high power internal SMPS (power supply)

ARTISON NANO-1 SUBWOOFER

Key Features	The RCC Nano One is the world's smallest high performance subwoofer. This diminutive powerhouse has the piston area of an oversized 8" woofer.
Colour/Grilles	Black
Driver Complement	Dual active 6.5" Long Throw Aluminum
Dimensions	Including Grilles (H×W×D): 7.5" × 8" (including Feet) × 9"
Enclosure	All aluminum extruded
Configuration	RCC Reactance Configuration (Vibration Free)
Amplifier	300 Watt – 900 Watt peak
Frequency Response	32 Hz – 160 Hz ± 3 dB
Impedance	N/A
Low level input	3.5 mm (1/8") Stereo Mini-jack
High level input	Left / Right Speaker Level
Voltage	110 – 260 AC Volts, Auto-Sensing Universal Supply
LPF (Low Pass Filter)	60 – 160 Hz
LPF Slope	12 or 18 dB/octave
Phase Control	0 – 180 Degrees
System Weight	20 lbs/9 kg
Accessories Available	Nano 1 Transmitter – includes transmitter and power adapter

4.65"

9"

ARTISON RCC-320 IN-WALL SUBWOOFERS

Key Features	In-Wall Subwoofers deliver state-of-the-art technology that is designed to be heard and not seen. Easily installed into a standard 2 × 4 stud bay pre or post construction. Special aluminum enclosures make the addition of a powerful yet invisible bass system a onetime simple operation. Custom Long Throw Drivers allow for deep powerful bass from a very small space.
Colour/Grilles	Magnetic micro perforated steel grilles are paintable
Driver Complement	Four RCC 4" × 6" Woofers
Dimensions	**Retrofit** Cabinet (H×W×D): 13.4"× 14.2" × 3.8" Grille (H×W×D): 15.0" × 16.0" × 0.10" **Pre-Construction** Cabinet (H×W×D): 13.46" × 13.94" × 3.5" Grille (H×W×D): 14.17" × 3.7" × 0.10"
Enclosure	• Extruded Black Anodised Aluminum • Adsorptive damping material for a very small enclosure, allowing for more versatile installation applications • IP 65 Rating is among the highest of waterproof ratings • Includes Installation Brackets
Configuration	RCC – Reactance Cancelling Configuration (Vibration Free)
Amplifier	Designed to work with the RCC1000-SA Amplifier
Frequency Response	30 Hz – 160 Hz ± 3 dB
Impedance	6.4 Ohms
Low level input	
High level input	
Voltage	
LPF (Low Pass Filter)	
LPF Slope	
Phase Control	
Power consumption	
Power consumption using Wireless Input	
System Weight	22 lbs/10 kg
Accessories Available	Pre-Construction brackets included

SAVANT MULTI LINGUAL SUPPORT

Language Support

The Savant Pro App experience is now available in English, Spanish, Simplified Chinese, Portuguese, Russian and Swedish. The gold standard in Smart Homes now allows for language localization features across all iOS devices.

SAVANT STRIPS

LIFE	Up to 20 years
LUMENS	1500+ Lumens
Wattage	1-30 Watts
CRI	Variable
Connection	Standard Power Outlet
FEATURES	• Dimmable • White Temperatures from 2000k – 8000k • Bluetooth Communication • Bulb Mode • Over 16 million Colours
Available Accessories	One 1M Extension per Starter Strip

Colour LED Smart Strip 2M Starter Kit

Bluetooth Communication – For use with the Savant Pro App, one gateway must be within 30ft of bulb/strip. Gateways include Savant Lamp Controller, Metropolitan and Echo Keypads, Dimmers, and Switches.

Bulb Mode – Metropolitan and Echo Keypads, Dimmers or Switches can be set to Bulb Mode, which keeps continuous power to the Smart Bulb, so it can always be controlled via voice or the Savant Pro App.

SAVANT DMX LIGHT STRIPS

Energy efficient with options for indoor and outdoor locations.

Tunable White DMX Light Strips

USE	Indoor
WATTAGE	14.5 Watts/M
DIMMING	DMX Digital Low Voltage Dimming
LUMENS	1,100 per meter

LED Colour TECHNOLOGY

Tunable White

- 2400k to 6500k Tunable
- CRI: 80+

WRGB DMX Light Strips

USE	Indoor	Outdoor
WATTAGE	23 Watts/M	23W/M
DIMMING	DMX Digital Low Voltage Dimming	DMX Digital Low Voltage Dimming
LUMENS	1,000 per meter	700 per meter
OUTDOOR RATING		IP65

LED Colour TECHNOLOGY

Programmable WRGB

- CRI: Variable

LED DMX NEON Light Strips

USE	Indoor/Outdoor
WATTAGE	10.8 Watts/M
DIMMING	DMX Digital Low Voltage Dimming
LUMENS	90 per meter
OUTDOOR RATING	IP67

LED Colour TECHNOLOGY

Programmable WRGB

- CRI: Variable

ASCEND STYLE LOW VOLTAGE KEYPADS

With sleek, modern, minimalist design, our Ascend keypads offer a range of button configurations and wireless or low-voltage wired options, plus a new look that's subtle and elegant yet sure to impress.. Ascend keypads are available in nine finishes to accommodate any décor. Each button can be custom engraved. The backlit buttons feature a choice of nine LED colours that dynamically adjust based on ambient light levels and provide feedback to the user when scenes have been activated.
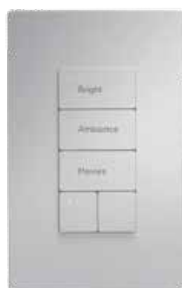
Ascend Low Voltage Configurable 2-/4-/5-Button Keypad

- Nine LED Colour Options, configured in Blueprint Lighting Manager
- Ambient Light Sensor - Detects the level of ambient light in the room and adjusts the brightness of the button backlights.
- Simple to configure and deploy using Blueprint Lighting Manager
- Faceplate integrated with Keypad
- Support for up to 32 loads with S2 Hosts, 64 loads with Smart Hosts and unlimited load count with the Pro and Super Pro Hosts
- Power Input – 24V DC
- Avg Power – 0.5 Watts, Max Power – 1.4 Watts

Available in the Following Finish & Colour Options:

Anodised / Bead Blasted

- Space Gray
- Black
- Brushed Black
- Brushed Aluminum
- Brushed Bronze
- Brushed Brass
- Nickel

Painted

- Matte Snow White
- Matte Light Almond

SCENES ON A BUTTON

Create a favorite scene in the Savant Pro App and assign it to a button on a Metropolitan or Echo Keypad.
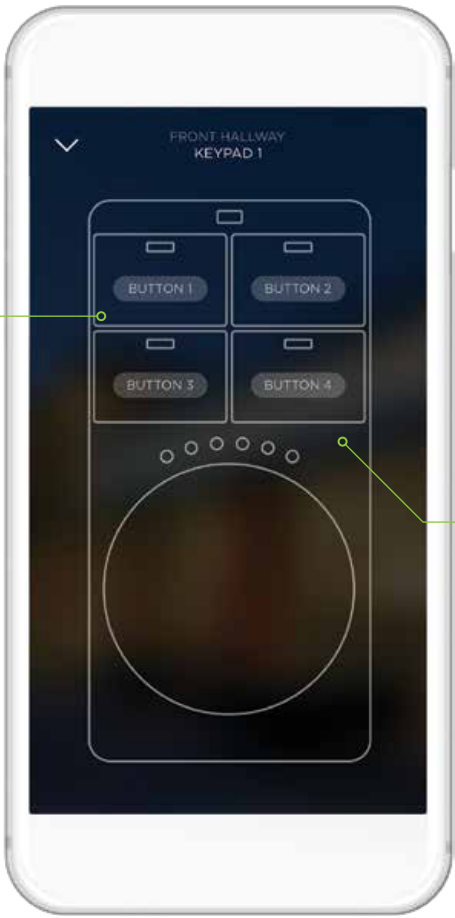
Assign your Scenes to a button on an Echo or Metropolitan Keypad directly from the Savant Pro App.

FRONT HALLWAY
KEYPAD 1

BUTTON 1   BUTTON 2

BUTTON 3   BUTTON 4

Create the Scene you want or use a preexisting one, then choose which button to assign it to in your Savant Pro App.

Unmatched Control

Be in complete control of your lighting with interface options including keypads, wall switches, touchscreens, remotes or voice commands.

Stay in control of your lighting remotely with a built-in secure remote connection to your home from the Savant Pro App.

Choose A Scene   Quick Controls   Brightness

ECHO LOW VOLTAGE KEYPAD

Echo Low Voltage Paddle Keypad (Snow White)
`WPB-SWLV02-00`

- Nine LED Colour Options, configured in Blueprint Lighting Manager
- Ambient Light Sensor – Detects the level of ambient light in the room
- and adjusts the LED brightness on the front panel
- Fits standard decorator-style wall plates, Simple to configure and deploy using Blueprint Lighting Manager
- Power Input – 24V DC 2A
- Avg Power – 0.5 Watts, Max Power – 1.4 Watts

Echo Low Voltage Dial Keypad (Snow White)
`WPK-SWLV05-00`

- Nine LED Colour Options, configured in Blueprint Lighting Manager
- Ambient Light Sensor – Detects the level of ambient light in the room
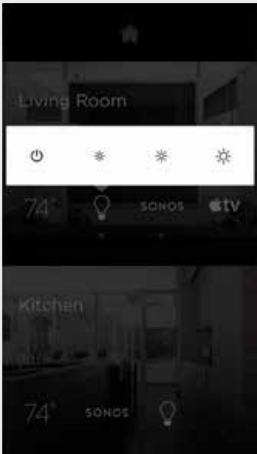- and adjusts the LED brightness on the front panel
- Fits standard decorator-style wall plates, Simple to configure and deploy using Blueprint Lighting Manager
- Power Input – 24V DC 2A
- Avg Power – 0.5 Watts, Max Power – 1.4 Watts

Echo Low Voltage Configurable Keypad (Snow White)
`WPB-SWLV06-00`

- Field-configurable to accommodate 3, 4, 5 and 6 button layouts. Up to 8 different layout options.
- Nine LED Colour Options, configured in Blueprint Lighting Manager
- Ambient Light Sensor – Detects the level of ambient light in the room
- and adjusts the LED brightness on the front panel
- Fits standard decorator-style wall plates, Simple to configure and deploy using Blueprint Lighting Manager
- Power Input – 24V DC 2A
- Avg Power – 0.5 Watts, Max Power – 1.4 Watts

10 Keypad Power & Controller
`SKL-1010-00`

- The Savant 10 Keypad Power and Controller provides wired power
- and communication for up to 10 Savant Low Voltage Keypads.
- Power Input – 24V DC
- Output Power – 48W

40 Keypad Power & Control Module
`SKL-3040-00`

- The Savant 40 Keypad Power and Control Module provides wired power
- and communication for up to 40 Savant Low Voltage Keypads
- Up to 3 modules can be installed into the power module enclosure or can be mixed
- with the Savant 5 Shade Power Module.
- Power Input – 120-240V AC 50/60Hz (7.2 A)
- Output Power – 24V DC 2A per keypad bus
- Maximum Wiring Distance – #14 AWG Max=1000ft (304.8m)

CINEMA SOUND ANYWHERE

Artison Dual Center speakers combine powerful, high performance audio with an elegant, understated look. Bring your immersion to thrilling new depths with an experience that has to be felt to be believed.

ARTISON

iRoom iO

TOUCHDOCK

Premium Motorised In-Wall Docking Station for iPad mini, 10.2", 10.5", 10.9", 11" & 12.9"

Our Masterpiece

touchDock is iRoom's flagship docking station, made entirely with scratch-resistant tempered glass and features the latest technologies iRoom has been implementing in its docking solutions.

touchDock represents everything iRoom's premium docking solutions stand for:

- Available for **all current iPads**.
- **Code-protected**, **Motorised** removal of the iPad when it's needed for mobile use.
- Flexible **flush-mount** in-wall installation, **horizontally or vertically**.
- Built-in control processor for **AV control** independent of the iPad
- Built-in **sensor package** for room temperature, humidity, brightness, and air quality (Q4/2022)
- Beautiful piece of craftsmanship with high-quality **scratch-resistant tempered** glass.

STORE   **CHARGE**   **CONTROL**   **CONNECT**

Features

- **Motorised Removal of the iPad** ❶ built-in motor swings iPad out for hassle free removal
- **High Quality Tempered & Scratch-Proof Glass** ❷ both enclosure and front plate are made with black or white glass
- **Horizontal or Vertical Flush Mount Installation** ❸ installation Box included in delivery
- **Smart Home / Smart Business Integration** ❹ control Processor and Touch Keypad for stand-alone or 3rd party control
- **Compatible with Professional Control Systems** Crestron, AMX, Control4, EnOcean, Gira HomeServer and many more
- **Available in Black or White** matches the iPad's front face
- **Hands-Free Unlocking** of the iPad Screen via Proximity Sensor
- **Smart Battery Management** extends the iPad Battery Life
- **Room Environmental Monitoring** with built-in sensors for room temperature, humidity, light and air quality (Q4 / 2022)
- **Antitheft Protection** of the iPad with code-protected iPad Removal
- **Powered by PoE+ and 110-240 V** only one Cat Cable for Power and Control Communication

IPAD COMPATIBILITY

	touchDock-mini	touchDock-mini-USB-C	touchDock-iPad10	touchDock-USB-C-iPad11	touchDock-USB-C-iPad12.9
iPad mini Gen 4 & 5	●				
iPad mini Gen 6		●			
iPad 10.2" Gen 7, 8 & 9			●		
iPad Air Gen 3			●		
iPad Air Gen 4				●	
iPad Pro 10.5" (2017)			●		
iPad Pro 11" Gen 1, 2 & 3				●	
iPad Pro 12.9" Gen 3, 4 & 5					●

TECHNICAL SPECIFICATIONS

	touchDock-mini	touchDock-mini-USB-C	touchDock-iPad10	touchDock-USB-C-iPad11	touchDock-USB-C-iPad12.9
Outside Dimensions (W×H×D)	290 x 205 x 80 mm / 11.4" x 8.1" x 3.2"	290 x 205 x 80 mm / 11.4" x 8.1" x 3.2"	372×247×78 mm / 14.6"×9.7"×3.1"	372×247×78mm / 14.6"×9.7"×3.1"	405×285×88mm / 15.9"×10.6"×3.5"
Cut-Out Dimensions (W×H×D)	275 x 190 x 80 mm / 10.8" x 7.5" x 3.2"	275 x 190 x 80mm / 10.8" x 7.5" x 3.2"	357×232×78mm / 14.1"×9.2"×3.1"	357×232×78mm / 14.1"×9.2"×3.1"	393×270×88mm / 15.5"×10.7"×3.5"
Weight	4.6kg / 8.8 lbs	4.6kg / 8.8 lbs	3.6kg / 7.9lbs	3.6kg / 7.9lbs	4.2kg / 9.3lbs

iTOP TABLETOP

Universal iPad Tabletop Docking Station for all current iPad Models

Life is Colourful

iRoom's iTop is a universal tabletop docking station that accommodates all iPad sizes through its adjustable, sliding charging connector. Available for iPads with a lightning or USB-C charging port, iTop comes in ten different colour combinations to match any interior design. Three different feature sets, depending on the model provide basic charging, a built-in control processor and touch keypad for Smart Home or Smart Business control or an antitheft protection for the iPad. The additional USB port can be uses to connect 3rd party devices such as Qi wirless phone chargers. iRoom's iTop is a universal tabletop docking station that accommodates all iPad sizes through its adjustable, sliding charging connector. Available for iPads with a lightning or USB-C charging port, iTop comes in ten different colour combinations to match any interior design. Three different feature sets, depending on the model provide basic charging, a built-in control processor and touch keypad for Smart Home or Smart Business control or an antitheft protection for the iPad. The additional USB port can be used to connect 3rd party devices such as Qi wirless phone chargers.

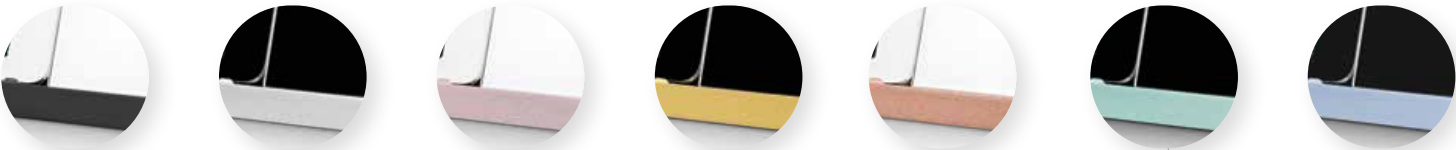**STORE**   **CHARGE**   **CONTROL**   **CONNECT**

Features

- **Adjustable, Sliding Charging Connector** Lightning or USB-C for all iPad sizes from iPad mini up to the iPad Pro 12.9"
- **High-Quality Materials** Aluminum and glass match the Apple Design
- **5 Individual Colours, Matching your Ipad-Model** available for the aluminum base, combined with black or white glass
- **Hands-Free Unlocking** of the iPad Screen via Proximity Sensor
- **Certified Quality** Apple-certified Charging Electronics and Connector
- **Smart Battery Management** extends iPad Battery Life
- **Room Environmental Monitoring** with built-in sensors for room temperature, humidity, light and air quality (Q4 / 2022)
- **Additional USB Port** for 3rd Party Devices, e.g. Qi Phone Charger
- **Antitheft Protection** of the iPad with code-protected iPad Removal
- **Smart Home / Smart Business Integration** through built-In Control Processor and Touch Keypad
- **Use Professional Control Systems** Crestron, Control4, Eltako EnOcean, Gira HomeServer and many more
- **A single Cat cable** powers the iPad via PoE and provides control connectivity

SPECIFICATIONS

	iTop without Buttons	iTop Pro	iTop Plus
Accommodates all current iPad Sizes incl. iPad mini	●	●	●
Aluminum Base and Glass Faceplate	●	●	●
Smart Battery Management extends iPad Battery Life	●	●	●
PoE+ Powered (PoE+ Injector included)	●	●	●
Built-in Control Processor and Touch Keypad		●	●
Additional USB Port for 3rd Party Devices, e.g. Qi Phone Charger		●	●

Touch Screen To Start

Colours: Aluminum Base							Glass Front		
● Black	● Silver	● Rosé	● Gold	● Apricot	● Green	● Blue		● Black	○ White

side

iRoom io // PRODUCT RANGE

www.avation.com.au

avation

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iTOP ONWALL

Universal Premium Wall Docking Station for all iPad Models & Sizes

Ready for the Future

Peace of Mind with all Current and Future iPads – iRoom's iTop OnWall accommodates all iPad sizes through its adjustable, sliding charging connector. Available for iPads with a lightning or USB-C charging port, iTop is comes in 10 different colour combinations to match any iPad and any interior design. Peace of Mind with all Current and Future iPads – iRoom's iTop OnWall accommodates all iPad sizes through its adjustable, sliding charging connector. Available for iPads with a lightning or USB-C charging port, iTop is comes in 10 different colour combinations to match any iPad and any interior design.

STORE　　**CHARGE**　　**CONTROL**　　**CONNECT**

Features

- **Adjustable, Sliding Charging Connector** ❶ Lightning or USB-C for all iPad sizes from iPad mini up to the iPad Pro 12.9"
- **High-Quality Materials** ❷ Aluminum and glass match the Apple Design
- **5 Individual Colours, Matching your Ipad-Model** available for the aluminum base, combined with black or white glass
- **Hands-Free Unlocking** ❸ of the iPad Screen via Proximity Sensor
- **Smart Battery Management** extends iPad Battery Life
- **Room Environmental Monitoring** with built-in sensors for room temperature, humidity, light and air quality (Q4 / 2022)
- **Antitheft Protection** ❹ of the iPad with code-protected iPad Removal
- **Smart Home / Smart Business Integration** ❺ through built-In Control Processor and Touch Keypad
- **Use Professional Control Systems** Crestron, Control4, Eltako EnOcean, Gira HomeServer and many more
- **Powered by PoE+ and 110-240 V** only one Cat Cable for Power and Control Communication

Colours: Aluminum Base	Black	Silver	Rosé	Gold	Apricot	Green	Blue	Glass Front	Black	White

iPAD COMPATIBILITY CHART

iPad Category	iPad Type	iPad Model	Dimensions in mm (WxHxD)	touchDock-mini	touchDock-mini USB-C	touchDock-iPad10	touchDock-USB-C iPad11	touchDock-USB-C iPad12.9
Pro	10.5" (2017)	A1701, A1709	250.6 × 174.1 × 6.1			●		
Pro	11" Gen 1 (2018)	A1980, A2013, A1934, A1979	247.6 × 178.5 × 5.9				●	
Pro	11" Gen 2 (2020)	A2228, A2068, A2230, A2231	247.6 × 178.5 × 5.9				●	
Pro	11" Gen 3 (2021)	A2377, A2459, A2301, A2460	247.6 x 178.5 × 5.9				●	
Pro	12.9" Gen 1 (2015)	A1584, A1652	305.7 × 220.6 × 7.0					
Pro	12.9" Gen 2 (2017)	A1670, A1671	305.7 × 196.6 × 6.9					
Pro	12.9" Gen 3 (2018)	A1876, A2014, A1895, A1983	280.6 × 214.9 × 5.9					●
Pro	12.9" Gen 4 (2020)	A2229, A2069, A2232, A2233	280.6 × 214.9 × 5.9					●
Pro	12.9" Gen 5 (2021)	A2378, A2461, A2379, A2462	280.6 x 214.9 x 6.4					●
Air	10.5" Gen 3 (2019)	A2152, A2123, A2153, A2154	250.6 × 174.1 × 6.1			●		
Air	10.9" Gen 4 (2020)	A2316, A2324, A2325, A2072	247.6 × 178.5 × 6.1				●	
iPad	10.2" Gen 7 (2019)	A2197, A2200, A2198	250.6 × 174.1 × 7.5			●		
iPad	10.2" Gen 8 (2020)	A2270, A2428, A2429, A2430	250.6 × 174.1 × 7.5			●		
iPad	10.2" Gen 9 (2021)	A2602, A2603, A2604, A2605	250.6 x 174.1 x 7.5			●		
mini	Gen 4 (2015)	A1538, A1550	203.2 × 134.8 × 6.1	●				
mini	Gen 5 (2019)	A2133, A2124, A2126, A2125	203.2 × 134.8 × 6.1	●				
mini	Gen 6 (2021)	A2567, A2568 A2569	195.4 × 134.8 × 6.3		●			

	iTop OnWall Lightning	iTop OnWall USB-C	fixDock-mini4 surDock-mini4	fixDock-mini-USB-C	fixDockiPad-10 surDockiPad-10	fixDockiPad-11 surDockiPad-11	fixDock iPad-12.9 surDock iPad-12.9	iTop/iTop Pro/ iTop Plus Lightning	iTop/iTop Pro/ iTop Plus USB-C
	●				●			●	
		●				●			●
		●				●			●
		●				●			●
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	●*		●					●*	
		●*		●					●*

*iPad cannot be locked

SURDOCK & FIXDOCK

iRoom's fixDock is a permanent stylish in-wall dock for your iPad
that turns it into a flush mounted touch panel at a reasonable price.

Surdock
iPad docking station for permanent
Surface Mounting

fixDock
iPad docking station for permanent
Flush Mounting

Store
Stores the iPad flush or on-wall* in solid or
open cavity walls horizontally or vertically.
*depending on mode

Charge
Apple-certified Lightning connector and
charging electronics. USB power supply
powers fixDock or surDock

Lock
Optional security kit secures the iPad
permanently.

SURDOCK & FIXDOCK

Simple, Secure & Stylish
Fix, flush mounted in-wall charging station for iPad Air, Pro & mini

Stores the iPad flush or on-wall* in solid or open cavity walls horizontally or vertically.

*depending on model

Apple-certified Lightning connector and charging electronics.

USB power supply powers fixDock or surDock

Optional security kit secures the iPad permanently.

Available with black or white glass finish.

Customised finishes available on request.

Design & Function
The fixDock can not only be integrated in walls, but also in furniture and tables! Whether as a music center, a TV via streaming, as an electronic photo frame or a control panel, your iPad is always at your disposal, as it is loaded into the stylish fixDock that permanently charges the device with the original power supply from Apple.

avgear

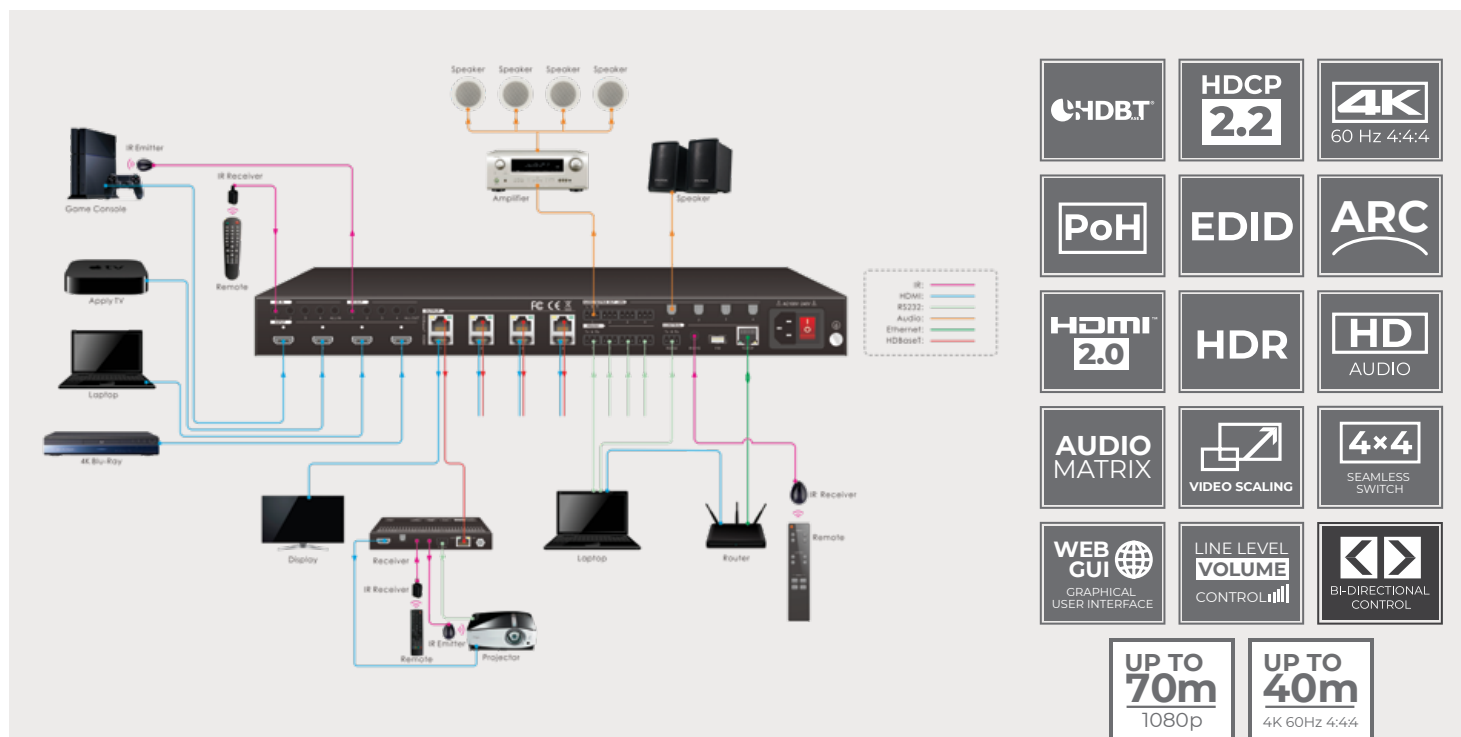## HDBT & HDMI™ MATRIX SWITCHER

4K @ 60Hz 4:4:4

AVG-TMX44PRO AV

The TMX44PRO AV is a HDMI2.0 4X4 HDBaseT matrix switcher, delivering the highest performing 4K@60 4:4:4 experience at 18G. Integrated with the latest technology, such as HDBaseT, audio de-embedding and control. It is not only a video matrix, but also an audio matrix, IR & RS232 matrix. The ARC audio output can be selected from the display when used with our combined with our HD350AR HDBaseT receiver.

Key Features

- 4 HDMI inputs, 4 outputs (4 HDBaseT and 4 HDMI)
- HDMI2.0 & HDCP2.3 and backward compatible
- 4K @60Hz, 4:4:4 with 18G bandwidth, HDR10 & HDR Dolby vision
- 4 mirrored HDMI outputs support 4K to 1080P down-scaling
- HDBaseT output up to 40m at 4K or 70m at 1080P
- 24V PoC to receiver HD350AR

- RS-232, IR, TCP/IP, GUI, Touch-panel Control
- ARC supported, ARC audio output from receivers
- Volume adjustment for analog L+R audio outputs
- Intelligent EDID management
- Smart EDID management and advanced HDCP handling
- GUI, bi-directional IR & RS232 control
- Kit includes 4pcs HDBaseT receiver HD350AR

⊕HDBⓉ & HƆΠI™ MATRIX SWITCHER

4K@60Hz 4:4:4

AVG-TMX88PRO AV

The TMX88PRO AV is a HDMI2.0 8X8 HDBaseT matrix switcher, delivering the highest performing 4K@60 4:4:4 experience at 18G. Integrated with the latest technology, such as HDBaseT, audio de-embedding and control. It is not only a video matrix, but also an audio matrix, IR & RS232 matrix. The ARC audio output can come from the display when used with the HDBaseT receiver HD350AR.

Key Features

- 8 HDMI inputs, 8 outputs (8 HDBaseT and 8 HDMI)
- HDMI2.0 & HDCP2.3 and backward compatible
- 4K @60Hz, 4:4:4 with 18G bandwidth, HDR10 & HDR Dolby vision
- 8 mirrored HDMI outputs support 4K to 1080P down-scaling
- HDBaseT output up to 40m at 4K or 70m at 1080P
- 24V PoC to receiver HD350AR

- RS-232, IR, TCP/IP, GUI, Touch-panel Control
- ARC supported, ARC audio output from receivers
- Volume adjustment for analog L+R audio outputs
- Intelligent EDID management
- Smart EDID management and advanced HDCP handling
- GUI, bi-directional IR & RS232 control
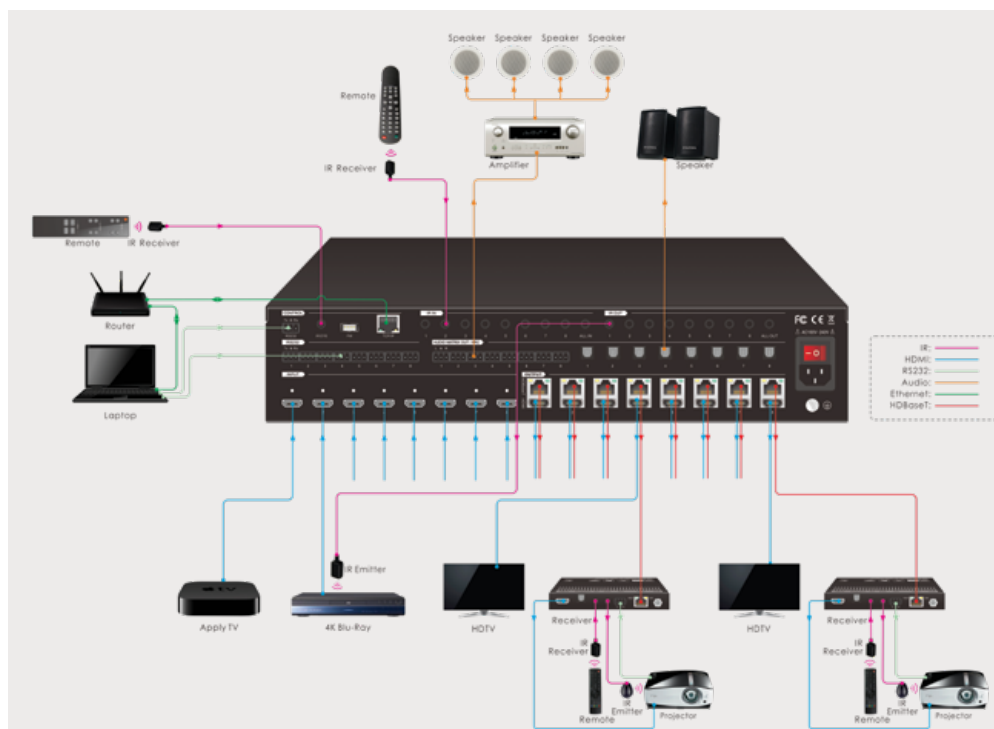
HDBT & HDMI MATRIX SWITCHER

4K@60Hz 4:4:4

AVG-UHD4K-44 V3

The AVG-UHD4K-44 V3 is an 4x4 HDMI2.0 matrix switcher with touch panel control and de-embedded audio.

Key Features

- HDMI2.0 & HDCP2.2 and backwards compatible
- 4K @60Hz, 4:4:4 with 18G bandwidth, HDR10 & HDR Dolby vision
- De-embedded audio output at SPDIF and RCA
- RCA volume controllable and LCD for status

- Intelligent EDID management
- CEC pass through
- RS-232, IR, TCP/IP, GUI, Touch-panel Control
- Fast switching for instant display

HDMI 2.0 | HDBT | 4K 60 Hz 4:4:4 | AUDIO BREAKOUT | HDCP 2.2 | HDR | WEB GUI GRAPHICAL USER INTERFACE | EDID | LINE LEVEL VOLUME CONTROL | 4×4 SEAMLESS SWITCH

UHDBT & HDMI MATRIX SWITCHER
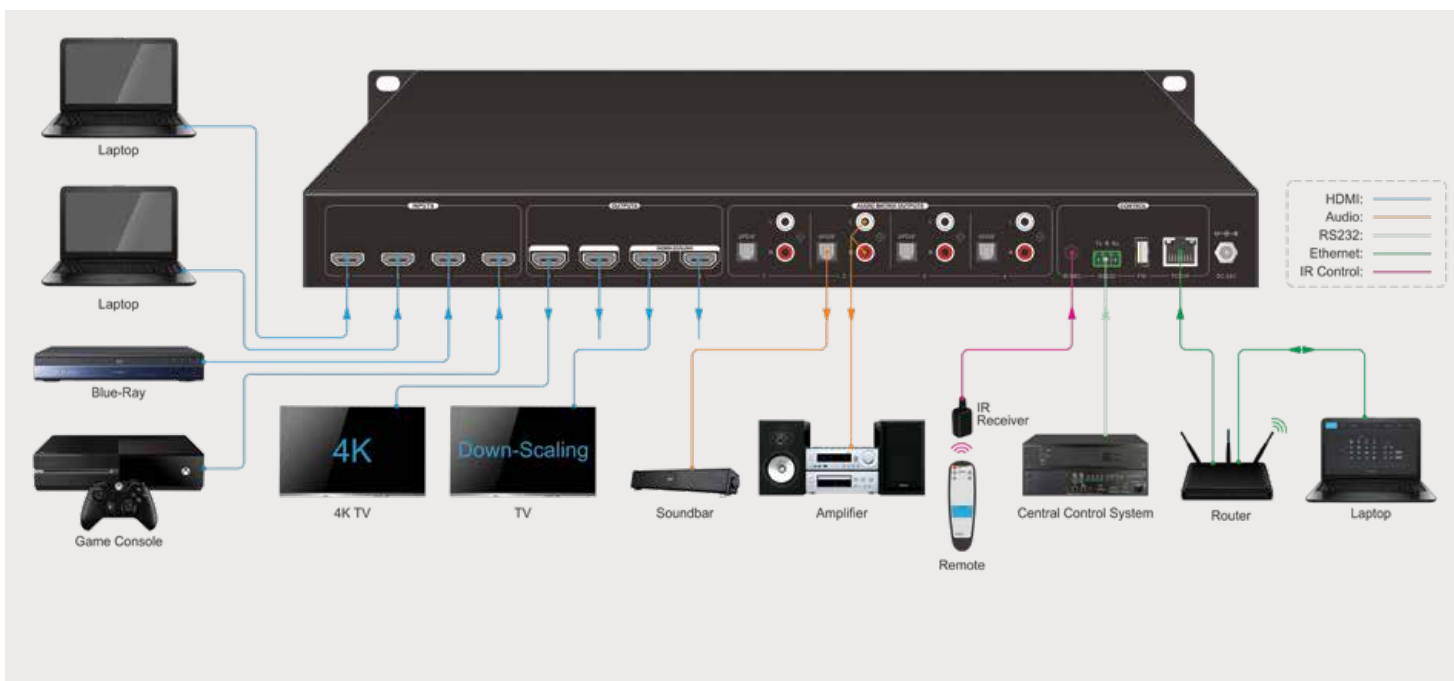
4K@60Hz 4:4:4

UHD4K-88 V2

AVG-UHD4K-88 V3

The AVG-UHD4K-88 V3 is an 8x8 HDMI2.0 matrix switcher with touch panel control and de-embedded audio.

Key Features

- HDMI2.0 & HDCP2.2 and backwards compatible
- 4K @60Hz, 4:4:4 with 18G bandwidth, HDR10 & HDR Dolby vision
- De-embedded audio output at SPDIF and RCA
- RCA volume controllable and LCD for status

- Intelligent EDID management
- CEC pass through
- RS-232, IR, TCP/IP, GUI, Touch-panel Control
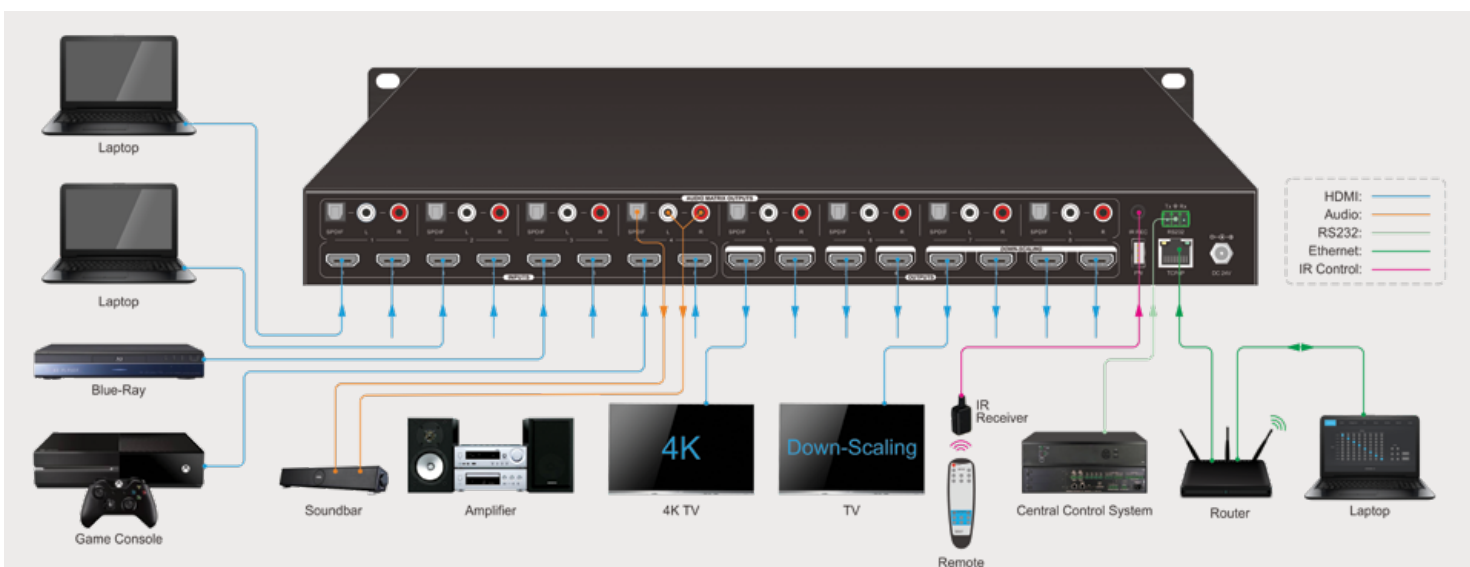- Fast switching for instant display

| HDMI 2.0 | UHDBT | 4K 60 Hz 4:4:4 | AUDIO BREAKOUT | HDCP 2.2 | HDR | WEB GUI GRAPHICAL USER INTERFACE | EDID | LINE LEVEL VOLUME CONTROL | 4×4 SEAMLESS SWITCH |

HDBT & HDMI MATRIX SWITCHER

4K HDMI 4×4 Matrix

CSK-HD44

4K 70M 4×4 Matrix Switcher

AVG-CS4K-HD44 V3

The AVG-CSK-HD44 is a professional 4x4 HDMI V2.0 Matrix Switcher with audio breakout. It transmits HDMI signals up to 70m over single CATx cable. All of the HDMI outputs support a down-scaling function. It also features SPDIF and analog audio outputs for audio breakout, comprehensive EDID management and advanced HDCP handling.

Bi-directional IR, RS232 and TCP/IP control with Web GUI are also included.

Key Features

- 4x4 HDMI V2.0 Matrix Switcher.
- Supports 4K@60 4:4:4, HDR, HDCP2.2.
- 4K/ 1080p HDMI signals extension up to 70m.
- Audio out can be de-embedded from any output.
- HDMI outputs support 4K to 1080p down-scaling.
- Controllable by front panel, IR, RS232 and TCP/IP.
- CATx outputs support 12V PoC power for receivers.
- Supports bi-directional IR pass-through

HDMI 2.0 | HDBT | AUDIO BREAKOUT | HDCP 2.2 | BI-DIRECTIONAL CONTROL | WEB GUI GRAPHICAL USER INTERFACE | EDID | PoC | CSC | ARC

HDBT & HDMI MATRIX SWITCHER

4K HDMI 8×8 Matrix
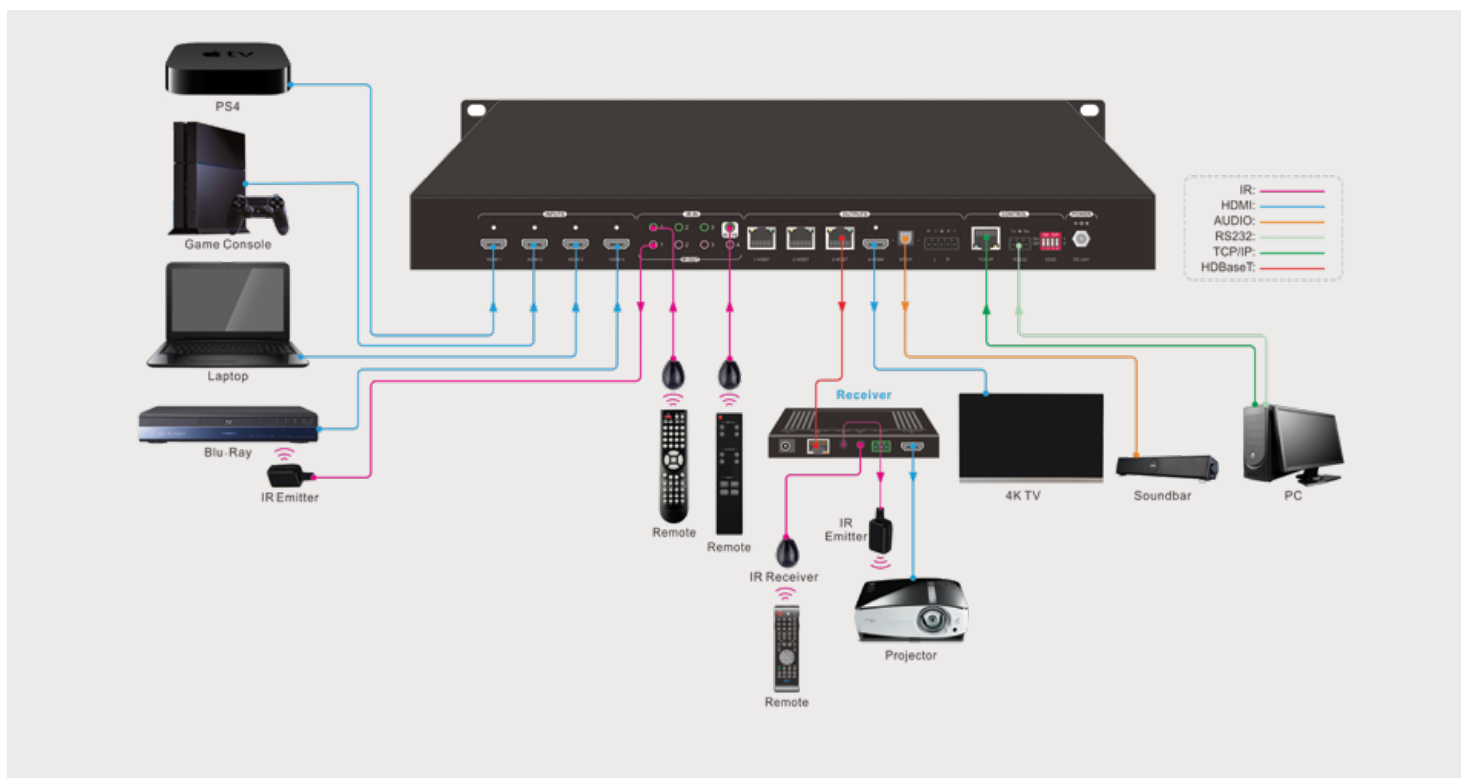

4K 70M 8×8 Matrix Switcher

AVG-CS4K-HD88 V3

The AVG-CSK-HD88 is a professional 8x8 HDMI V2.0 Matrix Switcher with audio breakout. It transmits HDMI signals up to 70m over single CATx cable. All of the HDMI outputs support a down-scaling function. It also features SPDIF and analog audio outputs for audio breakout, comprehensive EDID management and advanced HDCP handling.

Bi-directional IR, RS232 and TCP/IP control with Web GUI are also included.

Key Features

- 8x8 HDMI V2.0 Matrix Switcher.
- Supports 4K@60 4:4:4, HDR, HDCP2.2.
- 4K/ 1080p HDMI signal extension up to 70m.
- Audio out can be de-embedded from any output.

- HDMI outputs support 4K to 1080p down-scaling.
- Controllable via front panel, IR, RS232 and TCP/IP.
- CATx outputs support 12V PoC power for receivers.
- Supports bi-directional IR pass-through

| HDMI 2.0 | HDBT | AUDIO BREAKOUT | HDCP 2.2 | BI-DIRECTIONAL CONTROL | WEB GUI GRAPHICAL USER INTERFACE | EDID | PoC | CSC | ARC |
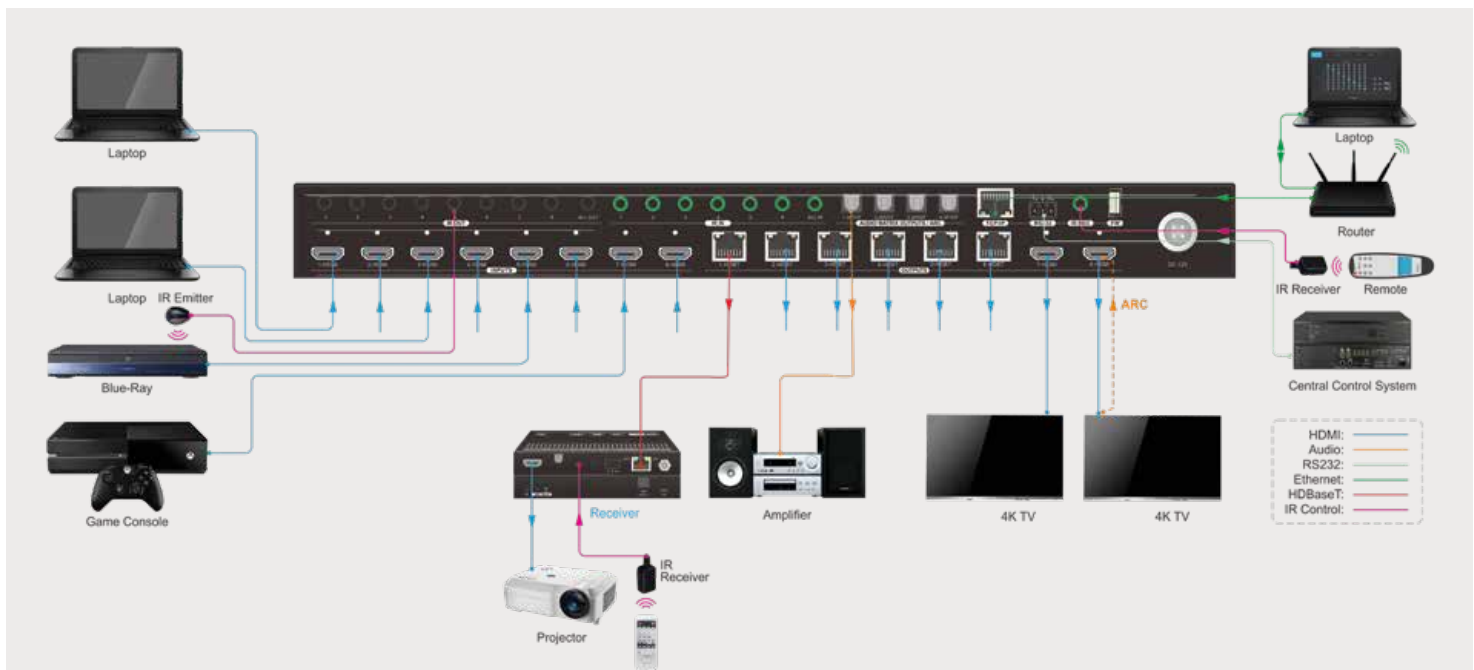
HDBT & HDMI MATRIX SWITCHER

4K HDMI 4×4 Matrix

AVG-CS-HDMI44

The AVG-CS-HDMI44 is a 4K HDMI 4x4 Matrix, with 4 HDMI inputs and 4 HDMI outputs, supporting HDMI1.4 and HDCP2.2,it offers high performance and great stability at a very low price point.

Key Features
• 4 inputs and 4 outputs
• HDMI1.4 and HDCP2.2
• Smart EDID management
• Front panel buttons, IR remote and RS232 control

HDBT & HDMI MATRIX SWITCHER

4K HDBT 16×14 Matrix

AVG-DM1616TP

4K 16×14+2 HDBaseT matrix

Key Features
• 16 HDMI inputs, 14 HDBaseT and 2 HDMI outputs
• HDBaseT technology, VS010, 40m@4K, 70m@1080p
• HDMI 1.4, HDCP 2.2, 10.2G, 4K@60Hz 4:2:0
• De-embedded audio
• PoC, from matrix to Rx

• Smart EDID Management
• Buttons, IR, RS232 and TCP/IP (GUI) control
• Power Supply: 110V-240V AC
• Chassis dimensions (W×H×D): 437 × 88 × 380 mm
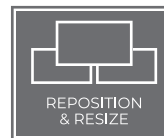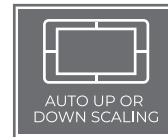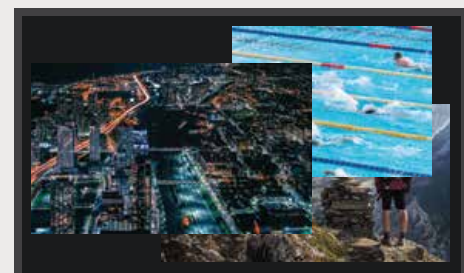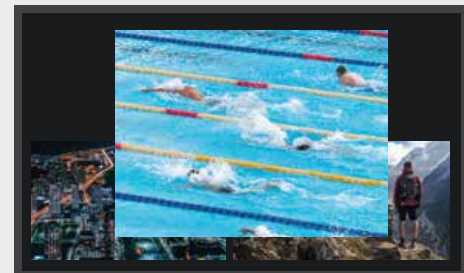
4K SEAMLESS MULTI-WINDOW PROCESSOR

AVG-SCU41-MV

Features

4K 30 Hz 4:4:4

AUTO UP OR DOWN SCALING

16 PRESET LAYOUTS

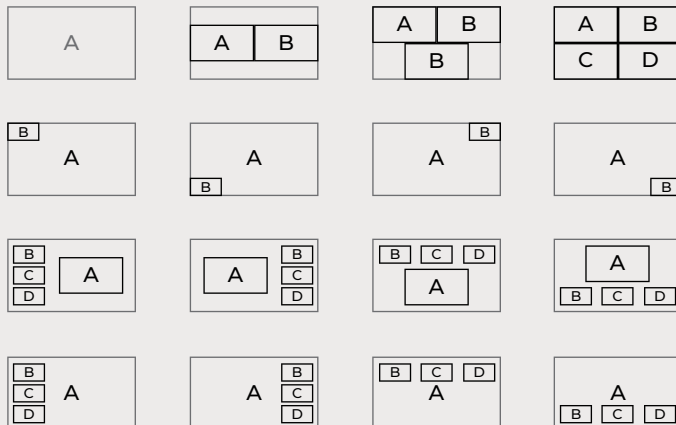REPOSITION & RESIZE

SEAMLESS SWITCHING

4 USER-DEFINED LAYOUTS

Flexible Layout

16 Preset Layouts

AUDIO PRODUCTS

AVGear provides a full range of compact size, mini class D amplifiers, with smooth, clean audio and unique custom installation features.
Our family of mini audio products consisting of the MA1, MA2, MA3 and the DDM-HD provide robust audio solutions, ideal for residential and commercial installations.

Ultra-thin HDMI Signal Manager
AVG-SM-2.0

- Full support for HDMI 2.0 signals
- Supports 4K signal downscaling to 1080p
- Supports HDCP 2.3
- The transmission distance of 4K@60Hz 4:4:4 signal from source to display is up to 10m
- The unit can be powered by HDMI source or by external power via Micro-USB
- Signal manager is designed to ensure HDMI Display/Source signals are compatible

Mini HDMI Signal Generator & Display Emulator
AVG-SG1

- Used as an HDMI signal generator or display emulator for installer testing and troubleshooting on site
- Features 4-pin DIP switch for selecting video resolution and HDCP content
- Supports 4K@60Hz 4:4:4, 4K@60Hz 4:2:0, 4k@30Hz 4:4:4 or 1080p@60Hz video signal output
- Supports HDCP Off, HDCP 1.4 or HDCP 2.2 output
- Supports four different test patterns for HDCP version
- LEDs indicators show signal and HDCP status

Extends a USB 2.0 Signal Up to 50m Over CATx Cabling
AVG-USB450 Set

- Receiver supports up to 4 USB Type-A ports for connection to keyboards, mice etc
- Transmitter is powered from the computer on a USB Type-B socket
- Receiver powered via a local DC supply to allow power for up to 4 connected devices
- Compact design allows for discrete installation

AVG-DAX-100

The DAX-100 is an audio extender set including a transmitter and receiver. It is designed to extend stereo audio signals up to 170m, and TOSLINK, COAX audio signals up to 290m via CATx cable. The DAX-100 is also a DA as all 3 audio outputs are always live.

AVG-DAC

The AVG-DAC is the Digital Audio Converter with coaxial or Toslink digital audio input to analog L/R and 3.5mm audio output. Simultaneously, the converter provides COAX SPDIF output for digital audio extension.

Key Features
- Select from three audio inputs, TOSLINK, COAX or Analogue Stereo
- Three synchronous audio outputs. TOSLINK, COAX and Analogue Stereo
- Transmitter is powered from the Receiver via PoC technology
- Can transmit TOSLINK, COAX signals up to 290m and the Analogue Stereo signals up to 170m over a single CATx cable

Key Features
- Supports audio distribution splitting one audio source into three audio outputs
- Converts coaxial or Toslink digital audio input to analog L/R and 3.5mm audio output
- COAX SPDIF output for digital audio extension
- Supports up to 24-bit/192 KHz input (PCM, Dolby Digital or DTS formats for digital audio extension only)
- Provides Micro-USB port for power cable connection
- Easy to install and simple to operate
- Compatible with coaxial or Toslink interface digital audio devices: CD/DVD, PS3, X-Box360, Blue-ray player, Computer, A/V receiver, etc
- Ideal for interfacing between modern digital audio/video devices with analog amplifiers or self-powered speakers

AUDIO PRODUCTS

AVG-MA1

The MA1 is digital amplifier (Class-D) with 2-line inputs & 1 MIC input, which supports EQ control and MIC mixing. With 2x20W@4 Ohm as default output, it can also be bridged to 1x40W@8 Ohm.

Key Features

- 2 switchable analog audio inputs
- One MIC input with optional 48volt power and mixer function
- Stereo, Dual mono & Bridge output mode selectable
- Bass, Treble & Volume adjustable
- Loop output to cascade to another MA1
- Locking power adaptor
- Controllable via buttons or RS232 or optional IR via an IR-MA1

AVG-MA2

The MA2 is a digital amplifier with 3 inputs, EQ control. With 2x50W@8 Ohm as default output, it can also be bridged to 1x100W@4 Ohm.

Key Features

- 2 analog inputs and 1 optical digital input
- Stereo and bridge output modes selectable
- Bass, Treble & Volume adjustable
- Loop output to cascade to another amplifier
- Locking power connector
- Controllable via button, RS232, IR, and TCP/IP

AVG-MA3

The MA3 is a 40-Watt constant voltage amplifier, with either 70V or 100V output options. It has 3 line inputs & 1 MIC input, which support EQ control & MIC mixing.

Key Features

- 3 switchable audio inputs: 1 digital and 2 analog
- One MIC input with optional 48volt power and mixer function
- 40W output, compatible with 100V and 70V
- Ducking function
- Bass, treble and volume adjustment
- Locking power adaptor
- ID identification for RS232 looping control
- Controllable via button, RS232, and optional IR

HDMI™ 2.0 SPLITTER

AVGear HDMI switchers and distribution amplifiers are engineered for reliable operation in demanding commercial environments. Our AVGear switchers and distribution amplifiers also support 4K and feature an ultra slim design.

AVG-UDA2-V2

The UDA2-V2 is an ultra 18G 1x2 HDMI splitter with 4K to 1080P Down-scaling, a unique ultra-slim design in a steel casing.

Key Features
- High bandwidth up to 18G
- Supports HDMI2.0 4K@60 4:4:4, Dolby Vision,1080P, 3D
- Supports hot-plugging for quicker installation
- HDCP2.2 compliant, HDCP active or HDCP passive mode
- Supports video resolution down-scaling, the 4K input can be automatically degraded to 1080P output for compatibility with 1080P display
- Built-in signal equaliser, provides capability to use a longer range HDMI cable
- Up to 6 types of built-in EDIDs can be selected by DIP Switch
- Up to 6 units can be cascading to multiple video displays
- CEC pass-through
- Micro-USB port for convenient firmware upgrade

AVG-UDA4-V2

The UDA4-V2 is an ultra 18G 1x4 HDMI splitter with 4K to 1080P Down-scaling. It has a unique ultra-slim design with audio breakout in a steel casing.

Key Features
- High bandwidth up to 18G
- Supports HDMI 2.0 4K@60 4:4:4, Dolby Vision,1080P, 3D
- Supports hot-plugging for quicker installation
- HDCP 2.2 compliant, HDCP active or HDCP passive mode
- Supports video resolution down-scaling, the 4K input can be automatically degraded to 1080P output for compatibility with 1080P display
- Built-in signal equaliser provides capability to use a longer range HDMI cable
- Up to 6 types of built-in EDIDs can be selected by DIP Switch
- RCA and Toslink audio outputs for audio de-embedded
- Up to 6 units can be cascaded
- CEC pass-through
- Micro-USB port for convenient firmware upgrade

AVG-UHS24

The AVG-UHS24 is an HDMI2.0 2:1x4 HDMI splitter with a unique ultra-slim design, delivering the highest performing 4K@60 4:4:4 experience at 18G.

Key Features
- 2 Selected inputs and 4 HDMI outputs
- HDMI2.0 & HDCP2.2 or backward compatible
- 4K @60Hz, 4:4:4 with 18G bandwidth, HDR10 & HDR Dolby vision
- Audio de-embedded
- Smart EDID management

AVG-UHS28

The AVG-UHS24 is an HDMI2.0 2:1x8 HDMI splitter with a unique ultra-slim design, delivering the highest performing 4K@60 4:4:4 experience at 18G.

Key Features
- 2 Selected inputs and 8 HDMI outputs
- HDMI2.0 & HDCP2.2 or backward compatible
- 4K @60Hz, 4:4:4 with 18G bandwidth, HDR10 & HDR Dolby vision
- Audio de-embedded
- Smart EDID management

SOUNDBAR

AVG-SB01

The AVG-SB01 sets new standards for In-Room audio. With it's slim design and full set of wired and wireless Inputs this soundbar is engineered to add value to any project.

- Inputs: 1x Bluetooth, 1 x AUX, 1 x Optical, 1 x HDMI (ARC)
- Rated Power 60W with subwoofer in-built
- Transducer 2x 2" full range /2x 2.5" woofer
- Standby power consumption < 0.5W
- Frequency Range 50Hz-20KHz
- Bluetooth version V5.0
- Bluetooth Distance 10m
- Incredible sound quality

PRESENTATION SCALER SWITCHERS

Multi-format signal converting and scaling, Seamless switching,
Ultra 4K, HDBaseT and Multiple control options

AVGear provides a comprehensive range of presentation solutions to seamlessly manage multi format audio and video switching for meeting rooms, boardrooms, classrooms & video conference rooms, etc.

AVGear scalers typically provide integrated control, switching, an audio amplifier and Mic mixer and are housed in a compact size chassis. Our latest models of AVGear presentation scaler

switchers can handle ultra 4K resolution, seamless switching and long transmission distances up to 100m with PoE from a built in HDBaseT output port. AVGear presentation scaler switchers are capable of upscaling and downscaling multiple signals to provide excellent picture quality. Models in the range vary from 5 inputs up to 12 inputs to meet a variety of applications from small meeting rooms to large auditoriums.

AVG-SC42

The AVG-SC42 is an HDMI2.0 4x2 all in one presentation switcher with 4 inputs (3 HDMI & 1 USB- C) and 2 HDMI matrix outputs.

AVG-UHC41A

The AVG-UHC41A is a 4x1 presentation switcher with 4 inputs (3 HDMI inputs & 1 USB-C input) and 1 HDMI output.

Key Features
- Inputs (3 HDMI & 1 USB-C) and 2 matrix HDMI outputs
- HDMI2.0 & HDCP2.2 or backward compatible
- HDMI Video Max to 4Kx2K@60Hz 4:4:4, 18G bandwidth, HDR supported
- AUTO-SW or GUI control
- MIC and LINE inputs can be mixed to the audio outputs
- Supports 3 microphone types, Condenser, Dynamic and Wireless
- Smart EDID management: Preset EDIDs and customised setting allowed
- Fast switching for instant display
- Supports firmware upgrade

Key Features
- Supports HDMI 2.0 and video resolutions up to 4K@60Hz 4:4:4 8bit, 1080P, and 3D
- 18G bandwidth and supports HDR10, HDR10+, Dolby Vision
- HDCP2.2 compliant
- Features auto switching
- CEC control for display volume and power control
- Controllable via RS232 and IR,GUI
- Optical and balanced analog audio, audio de-embedding
- Smart EDID management for various applications and customised settings

APPLICATION
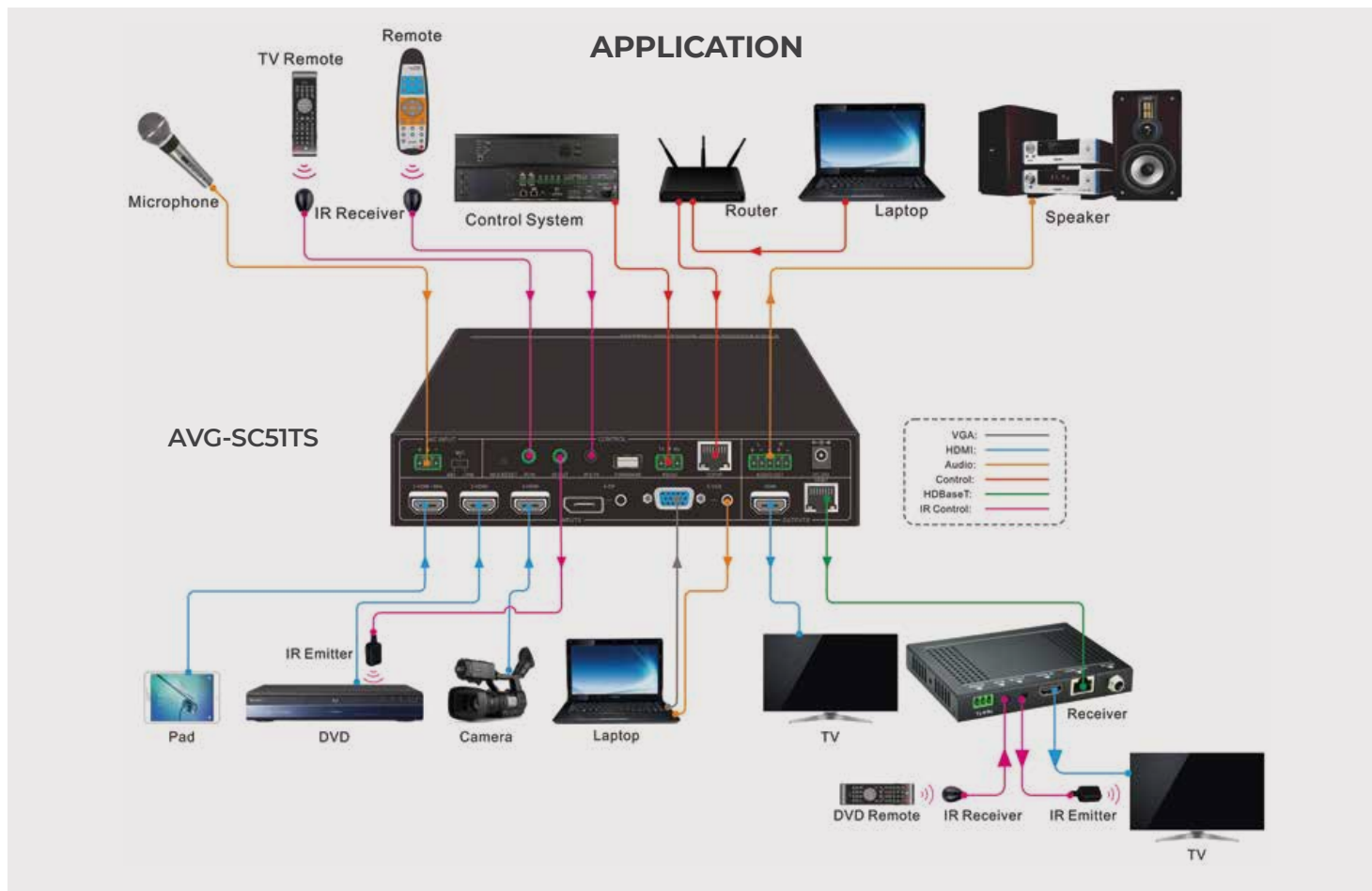
AVG-SC51TS

The AVG-SC51TS is an HDBaseT seamless scaler switcher with 5 video inputs, comprising of 3 HDMI, 1 Display Port, 1 VGA with audio & 1 MIC input. It scales & switches any video signal to HDMI and HDBaseT outputs with De-embedded audio. The scaler switcher provides scaling up to resolution 1920x1200 inputs and outputs.

Key Features
- Seamless switching Integrated with the latest HDBaseT technology
- Unique scaling for seamless switching with Output resolutions selectable
- HDMI & HDBaseT output simultaneously with audio de-embedded
- Auto switching between inputs
- PoH certified, from scaler to HD300SR receiver
- 3-level MIC inputs with mixing
- CEC control
- Controllable via GUI, front panel buttons, IR & RS232, TCP/IP

AVG-UHS41 DA

The AVG-UHS41 DA is an ultrathin auto switcher with 4 HDMI inputs and 1 HDMI output. This switcher supports HDMI video resolutions up to 4Kx2K@60Hz 4:4:4 HDR and multi-channel audio. The switcher also supports audio return channel (ARC) for transmitting audio back to the HDMI input and audio output ports from the connected display.

Key Features
- Switches any of the 4 HDMI inputs to 1 HDMI output
- Supports video resolutions up to 4Kx2K@60Hz 4:4:4 HDR
- 18Gbps high bandwidth
- Fully compliant with the HDMI 2.0 and HDCP2.2 specifications
- Supports audio return channel (ARC)
- Supports ARC
- Advanced EDID management: multiple presets and user definable allowed
- Controllable via RS232 and IR
- Supports CEC

HDBT & HDMI EXTENDERS

EXTENDER COMPARISION

	AVG-HD70L	AVG-HD200	AVG-HD320
Max. Transmission @ 1080P	70m	70m	70m
Max. Transmission @ 4K	40m	40m	40m
Resolution Range	Up to 4K@60Hz 4:4:4, HDR 10	Up to 4Kx2K@60Hz 4:2:0	Up to 4Kx2K@60Hz 4:4:4
HDMI Standard	2.0	1.4	2.0
HDCP Standard	2.2	2.2	2.2
Transmission Method	UTP	UTP	UTP
Transmission Technology	HDCT	HDBT	HDBT
Infrared Voltage	5V	5V	12V
IR Receiver Included	✓	✓	✗
IR Emitter Included	✓	✓	✗
RS232 Passthrough	✗	✓	✓
Ethernet Passthrough	✗	✗	✗
CEC Passthrough	✗	✗	✓
ARC	✗	✗	✗
Audio De-embedding	✗	✗	✗
Operating Temperature	-5 to 55°C	0 to 40°C	-10 to 50°C
Operating Humidity	10% - 90%	0% - 90%	0% - 90%
DC Power Supply	12V DC, 1A	12V DC, 1A	12V, 2A
Power Consumption TX, RX	9.5W	10W	14W
Dimensions(mm) TX, RX	80 × 16.8 × 80	106 × 16 × 84	115 × 16 × 84
UHD4K Matrix	✗	Yes, but not full Res	✓
CSK Matrix	✗	Yes, on HDMI outs	Yes, on HDMI outs
TMX PRO Matrix	✗	Yes, but not full Res	✓

HDBT® & HDMI™ EXTENDERS

EXTENDER COMPARISION

	AVG-HD350A	AVG-HD400DSC	AVG-HD600
Max. Transmission @ 1080P	70m	70m	100m
Max. Transmission @ 4K	40m	40m	100m
Resolution Range	Up to 4Kx2K@60Hz 4:4:4 8bit HDR10	Up to 4Kx2K@60Hz 4:4:4 HDR	Up to 4Kx2K@60Hz 4:4:4
HDMI Standard	2.0	2.0	2.0
HDCP Standard	2.2, 1.4 compliant	2.2, 1.4 compliant	2.2
Transmission Method	UTP	UTP	UTP
Transmission Technology	HDBT	HDBT	HDBT
Infrared Voltage	12V	12V	12V
IR Receiver Included	✕	✕	✕
IR Emitter Included	✕	✕	✕
RS232 Passthrough	✓	✓	✓
Ethernet Passthrough	✕	✕	✓
CEC Passthrough	✓	✓	✕
ARC	✓	✕	✓
Audio De-embedding	✓	✕	✓
Operating Temperature	-5 to 55°C	-5 to 55°C	-10 to 50°C
Operating Humidity	10% - 90%	10% - 90%	10% - 90%
DC Power Supply	24V, 1.25A	24V, 1.25A	24V, 1.25A
Power Consumption TX, RX	12W	15W, 15W	19W, 19W
Dimensions(mm) TX, RX	140 × 19.5 × 84	110 x 20 x 145	152 x 19 x 84
UHD4K Matrix	✓	✓	✓
CSK Matrix	Yes, on HDMI outs	Yes, on HDMI outs	Yes, on HDMI outs
TMX PRO Matrix	✓	Yes, on HDMI outs	Yes, on HDMI outs

RACK MOUNTS

AVG-RM12
12 Slots | Easy Mount

AVG-RM4
4 Slots | Easy Mount

$\mathbf{HDB_T}$ WALLPLATES

The Wallplates features a unique high quality 2-gang decora style HDBaseT wall-Mountable design, solid aluminum housing to ensure ultra-efficient cooling. It supports Auto-switching or button panel control between the inputs and can be used in conjunction with the HD300SR or HD300SR-A and HDWP70-RX as a pair.

The transmitter for HDMI or VGA and Audio inputs, supports HDMI 1.4, IR, and RS232 pass through for transmission up to 70M with PoH function.

The HD550 KIT is a HDBaseT 2.0 extender set, including a 2-gang decora style wall plate AVG-HD550T transmitter and a AVG-HD550R receiver. It transmits HDMI, USB signals up to 100m over Cat 6/6e cable.

AVG-HDWP3-USBC

18G 3x1 Wallplate Transmitter Switcher with 2 HDMI and USB-C.

- HDMI2.0 standard, HDMI signal up to 4K@60Hz 4:4:4, USB-C up to 4K@30Hz 4:4:4
- HDCP2.2 and backwards compatible
- Auto input switching, auto detects the inputs
- Transmission up to 40m at 4K@60Hz or 70m at 1080P@60Hz for HDMI & USB-C signals
- Firmware upgrade by Micro-USB port

- RS232 & IR pass-through with HDBaseT connection and local control
- The DISPLAY ON/OFF button can be programmed by IR learning feature or RS232 command
- Support 12~48V PoC
- Provides external 12V DC power supply for other device like WP series Control Panel

AVG-HDWP-1T

The HDWP-1T is a 1-gang Decora style HDBaseT wall-mountable transmitter for HDMI and RS232. It can be used in conjunction with the AVG-HD300SR receiver as a pair.

- HDMI signal up to 4K@60Hz 4:2:0 8bit
- HDMI1.4 standard and HDCP 2.2 compliant.
- HDBaseT technology, extend HDMI signal 4K up to 40m and 1080P up to 70m

- 10.2Gbps bandwidth
- RS232 & IR pass-through
- Supports 48V PoH

AVG-HD550 KIT

The AVG-HD550 consists of a Wall Plate Transmitter and a receiver which can transmit HDMI, RS232 and USB signals up to 100m using a single CATx cable. The Wallplate features two HDMI inputs and a USB-B port for HID devices such as a Mouse or keyboard.

- HDMI signal up to 4K@60Hz 4:2:0
- HDMI1.4 and HDCP2.2 compliant
- Auto input switching
- HDBaseT technology extends HDMI, USB and RS232 signals up to 100m over CATx cable
- CEC control via the Display Button

- Bi-directional RS232 pass-through with HDBaseT connection and local control
- Ensures display of content protected media and interoperability with other HDCP compliant devices
- 24V PoC, transmitter is powered by the receiver

AVG-HDWP70-TXB

The HDWP70-TXB is a 2-gang Decora style HDBaseT wall-mountable transmitter for HDMI or VGA and audio and RS232. It supports Auto-switching or button panel control between the inputs and can be used in conjunction with the receiver AVG-HD300SR as a pair.

- Integrated HDBaseT technology
- Supports 4Kx2K & is 1080p 3D
- HDMI1.4 & HDCP1.4 compliant
- 70m transmission with PoC function
- HDMI or VGA with audio input selectable
- Built in scaling function on VGA

- Auto switching or manual button control between input sources
- LED's for status indication & USB port for firmware updates
- Machined Aluminum enclosure ensures efficient cooling

HDMI SWITCHER

AVG-UDA24-HD70

The AVG-UDA24-HD70 supports switching between two video signals and long distribution range up to 4K 70m via CATx, with HDMI loop out for cascading. It supports video resolutions up to 4K@60Hz 4:4:4 8bit and all HDMI audio formats, and down-scaling from 4K to 1080P. Also supports Audio de-embedding and PoC to power the receiver.

Key Features
• Supports HDMI 2.0 and video resolutions up to 4K@60Hz 4:4:4
• Transmission distance up to 70m for 4K and 80m for 1080p
• Distributes one of two UHD/4K HDMI inputs to four CATx outputs and one HDMI loop output
• Comprehensive EDID management
• Video auto-switching based on 5V or TMDS detection
• SPDIF and L/R audio outputs for audio de-embedding
• Bi-directional IR pass-through and IR cascade control
• Controllable via front panel button, IR and RS232
• 12V PoC to power the receiver

HDMI 2.0 | HDCP 2.2 | 4K 60 Hz 4:4:4 | EDID | BI-DIRECTIONAL CONTROL | HD AUDIO
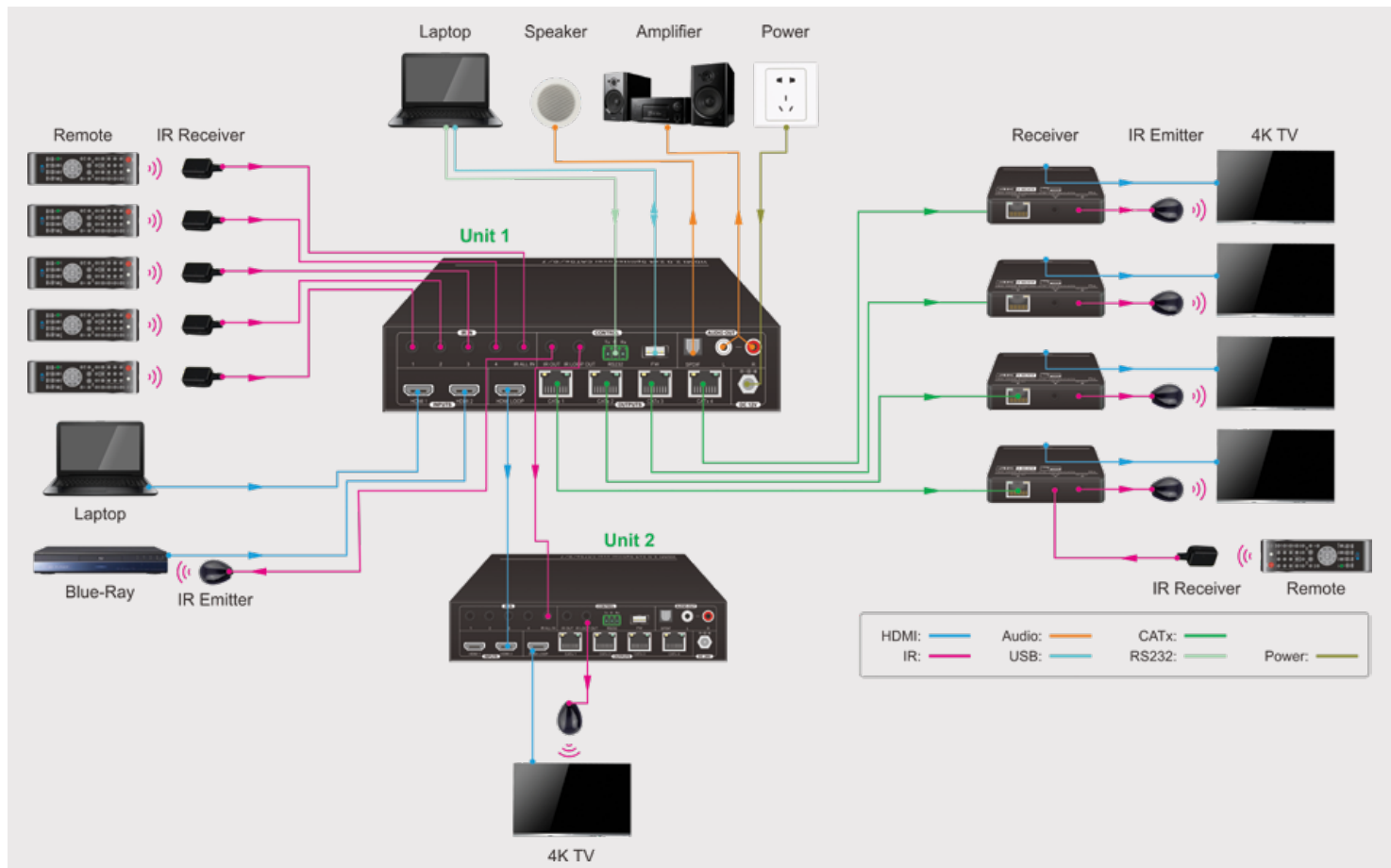
AVG-K12 CLASSROOM KIT

AVG-K12 Classroom Pack

K12 education AV solution kit with USB, including one wall plate TX, one RX and one control keypad.

- TX: 1 HDMI and 1 VGA inputs with 1 USB-B, 1 HDBT output (US 2gang)
- RX: 1 HDBT input, 1 HDMI output with 1 USB-A, 2x20W amplifier and MIC mixer
- Control keypad: 4 programmable buttons and one volume control and IR learning
- HDBaseT 2.0 technology, 30m@1920*1200 max
- HDMI1.3, HDCP1.4, In-built USB2.0 extension
- MIC and Line inputs with mixer, stereo line out and 2x20W Amplifier
- PoC , RX powers the TX, TX powers the keypad
- Controllable via buttons, IR, RS232 and TCP/IP (GUI)

APPLICATION
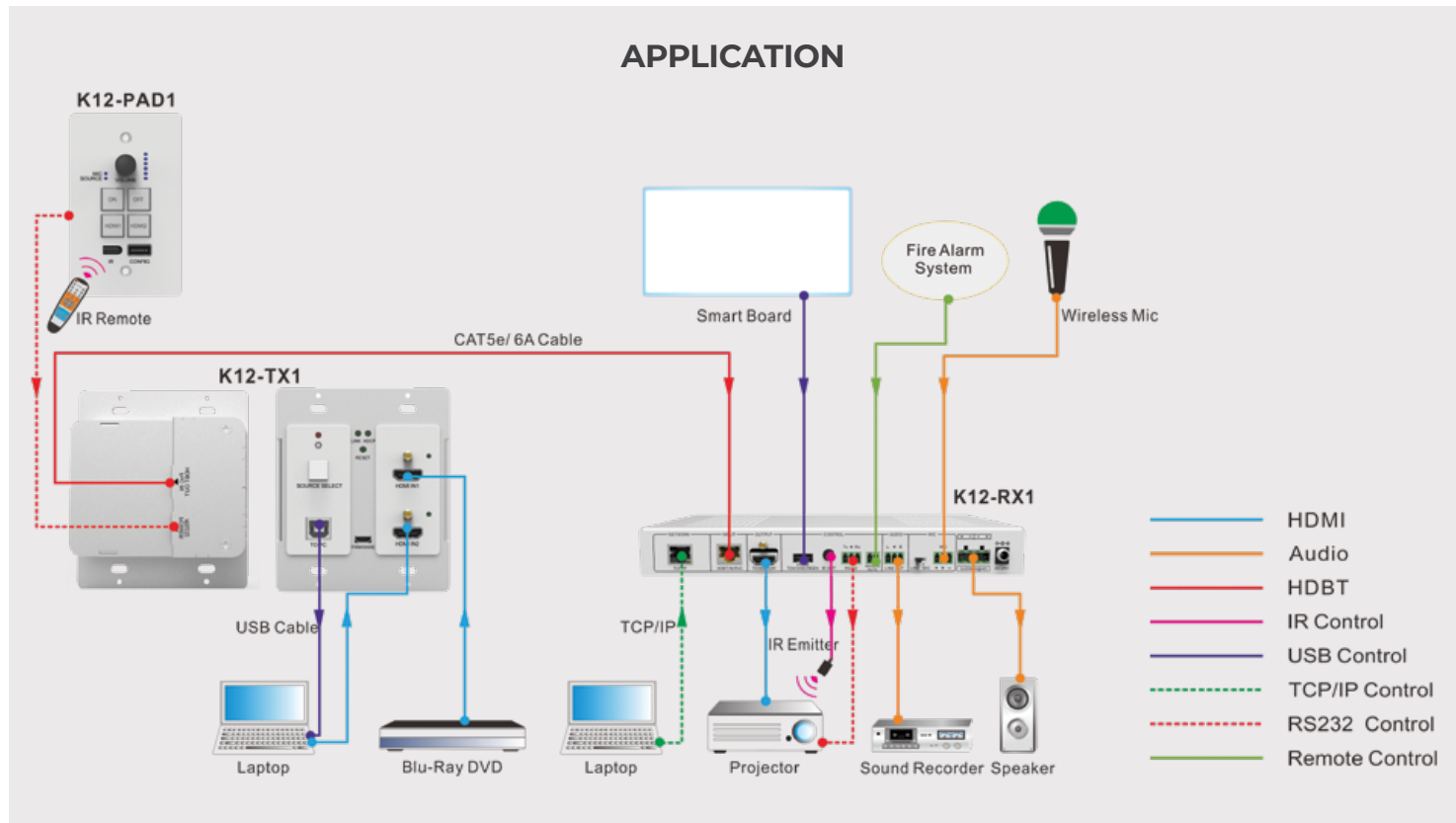
INFRA RED EMITTER & RECEIVER

AVG 12V IR Emitter
AVG-ACC-IRE-12V

The AVGear 12 volt Infra red emitter is suitable for use with any 12V control system or Infra Red distribution system. The emitter is supplied with a self adhesive backing and is already fitted with a 3.5mm jack.

Dimensions (W×H×D): 15×6×8 mm

AVG 12V IR Receiver
AVG-ACC-IRR-12V

Our new 12V IR Receiver is an exceptional IR receiver features a built in wide angle receiver and a long distance pick up range of 8m in typical conditions. The 12V IR Receiver features a very discreet slimline design that blends seamlessly alongside or on the television frame. The receiver is supplied with a self adhesive backing and is already fitted with a 3.5mm jack.

Dimensions (W×H×D): 29×9×13 mm

AVG 5V IR Emitter
AVG-ACC-IRE-5V

The AVGear 5 volt Infra red emitter is suitable for use with any 5V control system or Infra Red distribution system. The emitter is supplied with a self adhesive backing and is already fitted with a 3.5mm jack.

Dimensions (W×H×D): 15×6×8 mm

AVG 5V IR Receiver
AVG-ACC-IRR-5V

Our new 5V IR Receiver is an exceptional IR receiver features a built in wide angle receiver and a long distance pick up range of 8m in typical conditions. The 5V IR Receiver features a very discreet slimline design that blends seamlessly alongside or on the television frame. The receiver is supplied with a self adhesive backing and is already fitted with a 3.5mm jack.

Dimensions (W×H×D): 29×9×13 mm

AVG 12V IR Receiver with Blue Status LED
AVG-WA-IRC

Our new 12V IR Receiver is an exceptional IR receiver features a built in wide angle receiver and a long distance pick up range of 8m in typical conditions. The 12V IR Receiver features a very discreet slimline design that blends seamlessly alongside or on the television frame. The unit also features a blue LED to confirm that a signal is being received. The receiver is supplied with a self adhesive backing and is already fitted with a 3.5mm jack.

Dimensions (W×H×D): 40×8×15 mm

POWER MANAGEMENT

Power management Solution, Conference System Codec Solution,
Boardroom Solution, Educational Solution, Commercial & Residential Solution.

The PSU12-MV, power management Solution works with the RM12 and the HDBaseT extenders. It is a power supply manager designed for converting AC to DC power, easy installation eliminating the need for up to 12 power supplies for HDBaseT extenders.

The AVG-SC-91-T is a professional Boardroom Solution. It is an all in one presentation scaler switcher, with 9 inputs (includes one HDBaseT) and 2 mirrored outputs, integrating with the latest scaler technology, HDBaseT, Mic mixer, amplifier and control. It will work with HD300ST, HDWP70TX-B Transmitters, and HD300SR, HD300SR-A, HD310SR receivers.

The AVG-K12 is an Educational Solution classroom pack. The Kit consists of a wall plate HDBaseT transmitter and a HDBaseT receiver and a control panel, it is designed for classrooms, training rooms and presentation rooms.

The AVGEAR Flexible Matrix range and Flexible matrix cards are a true modular design featuring ultra 4K seamless cross point switching across signal cards. Great flexibility is provided to combine any size of matrix, based on the job required. This is great advancement from traditional fixed inputs and output matrix. This is an exceptional great Commercial & Residential Solution.

AVG-PSU12-MV

Output voltage 5V. 12V or 24V | Redundant Power | GUI Control | UL Certified
AC to DC power manager with 12 zones, each zone with 5v, 12v and 24v output.

- UL certification approved
- 2 100~240V AC inputs, one is for redundancy
- 12 output zones, each zone provides selectable 5V, 12V, 24V DC output
- Max power consumption is 15 Watts per zone, 12 zones max up to 180W
- Output voltage (5/12/24VDC) can be selected via the TACT Switch on rear panel, RS232 or GUI
- Each zone can be switched on/off via front panel buttons, RS232 or GUI
- Adopt sequential control technology
- Supports online software upgrading

Simplify Your Installation!

Power Manager
PSU12-MV

HDBase T: ——————   Power: ——————
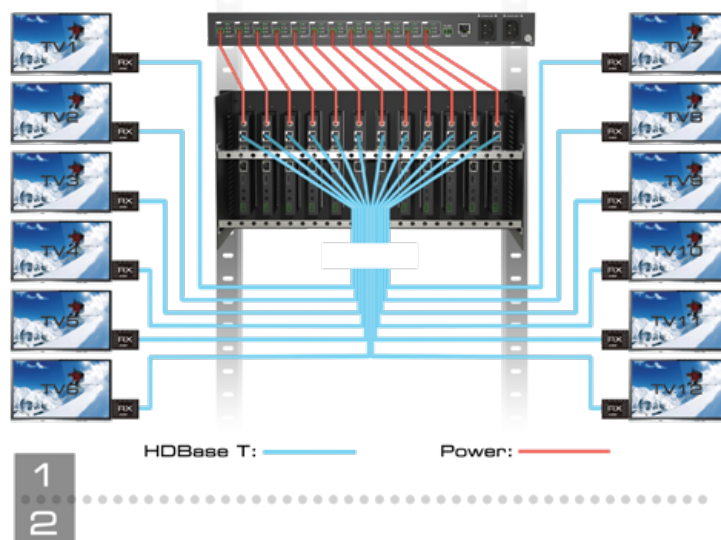
POWER MANAGEMENT

Power Distribution Unit

AVG-IP410

AVG-IP410 is a new generation of Power Distribution Units and Remote Power Control systems.

With an embedded web server and HTTPS protection, the AVG-IP410 supports a higher grade of security. Users can control power circuits easily and safely through a web browser on Windows, Android or iOS systems, like Internet Explorer, Google Chrome, Safari web browser.

Key Features

- 4 port Remote power controller for power On, Off and Reboot
- Web Server built-in, control by web browser in Windows, Android or iOS system like Internet Explorer, Google Chrome and so on
- 4 Button Control: Direct manual hardware control each outlet without using the Web browser
- Supports HTTPS, SSL, TCP/ IP, DHCP, DDNS, SMTP, Telnet, SNMP, Modbus/TCP and BACnet/IP
- SYSLOG: Support Log function & send to assign IP address
- Time Schedule – can pre-set a suitable time to turn power on / off automatically
- High grade components for reliability and performance
- Back Up for quick setup for multiple devices like Time Schedule, Network Settings, etc
- Supports public e-mail — @gmail.com, @yahoo.com, @hotmail.com, etc.
- E-mail Control & Advice:
    - » Receive e-mails with IPs device boot up.
    - » POP3 Control–Control each outlet ON/OFF via E-mail. No need to do Port Forwarding
- Specific software developed by Aviosys and provided free of charge:
    - » SDK Available: HTTP Command
    - » CNT software (Cross Network Technology) allows users to eliminate port forwarding on the router, simply Plug & Play.
    - » Supports MQTT protocol

ZIGEN

HDMI MATRIX SWITCHERS

Key Features

- Dolby Vision & ULTRA HD 4K Certified
- Supports Dolby Vision, HDR-10, HDR-10+ & HLG
- Autonomous EDID Management
- 5-Band EQ, Preset EQ, Volume Attenuation, Tone Control
- Independant HDMI Scaled Output 4K>1080p
- HDMI 2.0 (4096x2160@60 Hz (YUV 4:4:4, 8-bit) and HDCP 2.2 on all I/O
- Chroma Subsampling 4:4:4, 4:2:2, 4:2:0
- Supports CEC
- Built in IR sensor + 3.5mm jack & remote control
- RS-232 — Control or integrate with 3rd party control
- RCA audio de-embedding (2 channel PCM only)
- 5-Band EQ, Preset EQ, Volume Attenuation, Tone control, L/R Balance, Surround Effect
- ZigNet Diagnostics

HXL-44Plus

Supports 4×4 Video Matrix
Supports 4×8 Audio Matrix

HXL-88Plus

Supports 8×8 Video Matrix
Supports 8×12 Audio Matrix

4K HDR ULTRA HD

DOLBY VISION™

Available 3rd Party Drivers

Control4   CRESTRON   ELAN   RTI   SAVANT   URC

SWITCHERS

ZIG-SW41 Plus

4× 1 Switch with Audio Deembedding & Diagnostics Tools

- Dolby Vision and ULTRA HD 4K Certified
- HDMI 2.0 (4096×2160@60 Hz (YUV 4:4:4, 8-bit) and HDCP 2.2 on all I/O
- Chroma Subsampling 4:4:4, 4:2:2, 4:2:0
- Supports Dolby Vision , HDR-10, HDR-10+ and HLG, ZigNet Diagnostics

ZIGNET

A powerful web interface

Control
Zigen puts you in the driver's seat. The control page enables you to easily and remotely switch video sources, manage EDID and get system disposition

Diagnostics
Allows you to monitor the health and vitals of your system. Say goodbye to your bulky and expensive analyser tools forever.

Audio
You can easily modify volume, change EQ settings, surround sound effects and much more. This feature will help eliminate those pesky, costly and time consuming troubleshooting situations.

Email Alert
Email alerts will send a report if your unit experiences any fluctuations in performance. Reports available on video loss, overheating, humidity – just to name a few.

With ZigNet you are in full control. Managing all of the features Zigen products have to offer is just a click away with a built-in web interface. Eliminate pesky and time consuming troubleshooting situations with the Audio, Diagnostic and Controls pages.

ZigNet
Free diagnostic software to make every installation easier!

Analyser Tool
Say goodbye to your bulky and expensive analyser tools forever

Diagnostic
Monitors the health and provides disposition of your system

EDID Management
Customise your EDID settings

Video Controls
Manage your resolution, frame rate, colour space, and scaling

Audio Controls
Adjust and customise your audio tables from 2ch to uncompressed HD Master

EXTENDERS & BALUNS

ZIG-POC-70L

HDMI Extender with Bi-Directional Power ULTRA HD 4K Certified HDBaseT Extender
- Support Dolby Atmos, Dolby TrueHD, Dolby Digital Plus DTS HD-Master and more.
- Supports all frequency band IR control (Bi-directional transfer)
- Supports dual voltage IR 5-volt / 12-volt/Supports bi-directional RS-232 transfer.
- RJ-45 ports support HDBaseT up to 230-feet / 70-meter for 1080p
- RJ-45 ports support HDBaseT up to 115-feet / 35-meter for 4K

ZIG-POC-70U

18-GBPS HDMI Extender with Bi-Directional Power
- ULTRA HD 4K Certified HDBaseT Extender
- Chroma Subsampling 4:4:4, 4:2:2, 4:2:0
- Supports Dolby Vision, HDR-10, HDR-10+ and HLG
- Support Dolby Atmos, Dolby TrueHD, Dolby Digital Plus DTS HD-Master and more.
- Supports all frequency band IR control (Bi-directional transfer)
- RJ-45 ports support HDBaseT up to 230-feet / 70-meter for 1080p
- RJ-45 ports support HDBaseT up to 115-feet / 35-meter for 4K

ZIG-POC-70

HDbaseT HDMI Extender HDMI 2.0 (18 GBPS) (70 Meters)
- Extend HDMI signals up to 70 meters/230 feet by using Cat-6a
- HDBaseT technology. Supports HDR 10
- Supports HDMI 2.0, HDCP 2.2 compliant
- Supports CEC pass-through, Supports RS-232 (Bi-direction transfer)
- Supports all frequency band IR control (Bi-direction transfer)
- Cat-6A is recommended, 4K/60Hz, 24bpp 4:4:4
- Cable distance and limitations. 70-meter for 1080p and 40-meter for 4K

ZIG-POC-100

18-GBPS HDMI Extender with Bi-Directional Power
- ULTRA HD 4K Certified HDBaseT Extender
- HDMI 2.0 (4096×2160@60 Hz (YUV 4:4:4, 8-bit)
- Support Dolby Atmos, Dolby TrueHD, Dolby Digital Plus DTS HD-Master and more.
- Supports Dolby Vision, HDR-10, HDR-10+ and HLG
- Supports all frequency band IR control (Bi-directional transfer)
- RJ-45 ports support HDBaseT up to 330-feet / 100-meter for 1080p
- RJ-45 ports support HDBaseT up to 230-feet / 70-meter for 4K

EXTENDERS & BALUNS

ZIG-POEPRO-70A

HDbaseT HDMI Extender HDMI 2.0 (18 GBPS) (70 Meters)

- 48V True POE 4K/60Hz 4:4:4 HDMI Extender with ARC support & Bi-Directional IR & RS-232
- Extend HDMI signals up to 70 meters/230 feet by using Cat-6A
- Supports HDR-10, Supports Dolby Vision 4K@ 30Hz
- Supports HDMI 2.0, HDCP 2.2 compliant, POE Technology
- Supports ARC , Supports CEC pass-through
- Supports 12V or 5V IR Receiver/Emitter
- Cable distance and limitations. 70-meter for 1080p and 40-meter for 4K/60Hz

ZIG-POEPRO-100A

HDBaseT HDMI Extender 100 Meter

- 18-GBPS HDMI Extender with ARC and Directional Power
- HDMI 2.0 (4096×2160@60 Hz (YUV 4:4:4, 8-bit)
- Support Dolby Atmos, Dolby TrueHD, Dolby Digital Plus DTS HD-Master and more.
- Supports Dolby Vision, HDR-10, HDR-10+ and HLG
- Supports all frequency band IR control (Bi-directional transfer)
- RJ-45 ports support HDBaseT up to 330-feet / 100-meter for 1080p
- RJ-45 ports support HDBaseT up to 300-feet / 100-meter for 4K

ZIG-OFL-1000

Fiber Optic Extender Uncompressed HDMI over Fiber

- Fiber Optic Extender Uncompressed HDMI over Fiber
- Dolby Vision and ULTRA HD 4K Certified Fiber Extender
- HDMI 2.0 (4096×2160@60 Hz (YUV 4:4:4, 8-bit)
- Supports Dolby Vision, HDR-10, HDR-10+ and HLG
- Support Dolby Atmos, Dolby TrueHD, Dolby Digital Plus DTS HD-Master and more.
- Supports all frequency band IR control (Bi-directional transfer)
- Supports CEC pass-through, Supports ARC, Toslink In/Out, Single LC Fiber connector
- Autonomous EDID management

ZIG-POEWP-70RX

HDBaseT (70M) Wallplate Receiver (POE)

- 70 Meter (228') HDBaseT Wall Plate Receiver (RX) with bi-directional IR & RS-232.
- Extend HDMI signals up to 70 meters/228 feet by using Cat-5e/6/7
- Supports HDMI 1.2, 1.3, 1.4, 2.0 with 3D. HDCP compliant - 1.4 & 2.2
- Supports 12V or 5V IR Receiver/Emitter
- Full HD support: 1080P@60Hz, 3D and 4Kx2K
- Supports all frequency band IR control (Bi-directional transfer)
- Faceplate Not included

COMPARISON CHART

MATRIX/SWITCH

MODEL	Ultra HD 4K Certified	HDR	Dolby Vision	HDBaseT	HDMI	HDCP	Max Bandwidth	Independent Scaling	EDID Mngmnt
POE-AHTX Presentation Switch	●	HDR8	○	●	1.4	1.4	10.2 GBPS	○	●
SW-41PLUS 4×1 HDMI Switch	●	HDR10, HDR10+ and HLG	●	○	2.0b	1.4 / 2.2	18 GBPS	○	●
SW-42 4×1+1 Switch	●	HDR8	○	●	1.4	1.4	10.2 GBPS	○	●
SW-42PLUS 4x2 HDMI Matrix	●	HDR10, HDR10+ and HLG	●	○	2.0b	1.4 / 2.2	18 GBPS	●	●
HXL-44PLUS Video & Audio Matrix	●	HDR10, HDR10+ and HLG	●	○	2.0b	1.4 / 2.2	18 GBPS	●	●
HXL-88PLUS Video & Audio Matrix	●	HDR10, HDR10+ and HLG	●	○	2.0b	1.4 / 2.2	18 GBPS	●	●

EXTENDER COMPARISON CHART

MODEL	MAX DISTANCE		VIDEO SUPPORT				
	Max Distance 4K	Max Distance 1080P	HDMI	HDCP	Dolby Vision 4K@60Hz 4:4:4	HDR	Max Bandwidth
ZIG-POC-70L HDMI Lite Extender	35 Meters	70 Meters	1.4	1.4 / 2.2 / 2.3	○	●	10.2 GBPS
ZIG-POC-70U HDMI/USB Extender	35 Meters	70 Meters	2.0b	1.4 / 2.2	●	●	18 GBPS
ZIG-POC-70 Contractor Series HDMI Extender	35 Meters	70 Meters	2.0b	1.4 / 2.2	●	●	18 GBPS
ZIG-POC-100 Contractor Series HDMI Extender	70 Meters	100 Meters	2.0b	1.4 / 2.2	●	●	18 GBPS
ZIG-POEPRO-70A Professional Series HDMI Extender	35 Meters	70 Meters	2.0b	1.4 / 2.2	●	●	18 GBPS
ZIG-POEPRO-100A Professional Series HDMI Extender	100 Meters	100 Meters	2.0b	1.4 / 2.2	●	●	18 GBPS
ZIG-OFL-1000 HDMI Fiber Extender	2 Kilometers	2 Kilometers	2.0b	1.4 / 2.2	●	●	24 GBPS
ZIG-POEWP-RX70 HDBaseT Wall Plate Receiver	35 Meters	70 Meters	1.4	1.4 / 2.2 / 2.3	○	●	10.2 GBPS

EXTENDERS

ARC Support	Audio De-embedding	Audio Ports	Audio Connectors	Audio Codecs (HDMI / HDBT)	Audio Codecs Extracted	POE SUPPORT	Test Pattern Generator	ZigNet Included
○	●	1 Audio Zones	Coaxial Audio	Dolby Atmos, Dolby TrueHD, Dolby Digital Plus & DTS-HD Master	PCM / 2-Ch	●	○	ZigNet Control
●	●	1 Audio Zones	L/R Terminal Block	Dolby Atmos, Dolby TrueHD, Dolby Digital Plus & DTS-HD Master	PCM / 2-Ch	○	○	ZigNet Control & Advanced Diagnostics
○	●	1 Audio Zones	Coaxial Audio	Dolby Atmos, Dolby TrueHD, Dolby Digital Plus & DTS-HD Master	PCM / 2-Ch	●	○	ZigNet Control
●	●	2 Audio Zones	L/R Terminal Block	Dolby Atmos, Dolby TrueHD, Dolby Digital Plus & DTS-HD Master	PCM / 2-Ch	○	●	ZigNet Control & Advanced Diagnostics
○	●	4 Audio Zones	L/R RCA	Dolby Atmos, Dolby TrueHD, Dolby Digital Plus & DTS-HD Master	PCM / 2-Ch	○	○	ZigNet Control & Advanced Diagnostics
○	●	12 Audio Zones	L/R RCA	Dolby Atmos, Dolby TrueHD, Dolby Digital Plus & DTS-HD Master	PCM / 2-Ch	○	○	ZigNet Control & Advanced Diagnostics

KEY FEATURES									
Bi-Directional Power	Autonomus EDID Mgmnt	ARC Support	Audio De-embedding	Ethernet	POE Support	Scaler	USB	IR/ RS232 Suppport	IR Kit Included
●	●	○	○	○	○	○	○	●	●
●	●	○	○	○	○	○	● 3× Ports	○	●
●	●	○	○	○	○	○	○	●	●
●	●	○	○	○	○	○	○	●	●
○	●	●	○	○	●	○	○	●	●
○	●	●	○	○	●	○	○	●	●
○	●	●	○	○	○	○	○	●	●
○	●	○	○	○	●	○	○	○	○

HDMI 4K SLIM CABLES

Zigen 0.5M HDMI 2.0 Cable
ZIG-HDMI- 0.5M

• 18 GBPS Support on 0.5-M, 1.0-M, 2.0M and 3.0-M Cables
• 4Kx2K Support. ARC Support. Ethernet Support
• 48-BIT colour Support. High Speed Support
• 3D Support. RoHs Compliant. CL2 Rated for In-Wall Installations
• Redesigned grip connections supports 20 lb tension strength

Zigen 1M HDMI 2.0 Cable
ZIG-HDMI- 1M

• 18 GBPS Support on 0.5-M, 1.0-M, 2.0M and 3.0-M Cables
• 4Kx2K Support. ARC Support. Ethernet Support
• 48-BIT colour Support. High Speed Support
• 3D Support. RoHs Compliant. CL2 Rated for In-Wall Installations
• Redesigned grip connections supports 20 lb tension strength

Zigen 2M HDMI 2.0 Cable
ZIG-HDMI-2M

• 18 GBPS Support on 0.5-M, 1.0-M, 2.0M and 3.0-M Cables
• 4Kx2K Support. ARC Support. Ethernet Support
• 48-BIT colour Support. High Speed Support
• 3D Support. RoHs Compliant. CL2 Rated for In-Wall Installations
• Redesigned grip connections supports 20 lb tension strength

Zigen 3M HDMI 2.0 Cable
ZIG-HDMI- 3M

• 18 GBPS Support on 0.5-M, 1.0-M, 2.0M and 3.0-M Cables
• 4Kx2K Support. ARC Support. Ethernet Support
• 48-BIT colour Support. High Speed Support
• 3D Support. RoHs Compliant. CL2 Rated for In-Wall Installations
• Redesigned grip connections supports 20 lb tension strength

Zigen 4M HDMI 1.4b Cable
ZIG-HDMI- 4M

• 10.2 GBPS Support on 4.0-M and 5.0-M Cables
• 4Kx2K Support. ARC Support. Ethernet Support
• 48-BIT colour Support. High Speed Support
• 3D Support. RoHs Compliant. CL2 Rated for In-Wall Installations
• Redesigned grip connections supports 20 lb tension strength

Zigen 5M HDMI 1.4b Cable
ZIG-HDMI- 5M

• 10.2 GBPS Support on 4.0-M and 5.0-M Cables
• 4Kx2K Support. ARC Support. Ethernet Support
• 48-BIT colour Support. High Speed Support
• 3D Support. RoHs Compliant. CL2 Rated for In-Wall Installations
• Redesigned grip connections supports 20 lb tension strength

Zigen 0.5M HDMI Cable 12 Pack
Only Pay for 10
ZIG-HDMI- 0.5M Pack

Transmits HDMI over HDBaseT for 70m

Zigen 1M HDMI Cable 12 Pack
Only Pay for 10
ZIG-HDMI- 1M Pack

Buy 10 Cables and get 2 free of charge

Zigen 2M HDMI Cable 12 Pack
Only Pay for 10
ZIG-HDMI-2M Pack

Buy 10 Cables and get 2 free of charge

Zigen 3M HDMI Cable 12 Pack
Only Pay for 10
ZIG-HDMI- 3M Pack

Buy 10 Cables and get 2 free of charge

Zigen 4M HDMI Cable 12 Pack
Only Pay for 10
ZIG-HDMI- 4M Pack

Buy 10 Cables and get 2 free of charge

Zigen 5M HDMI Cable 12 Pack
Only Pay for 10
ZIG-HDMI- 5M PACK

Buy 10 Cables and get 2 free of charge

HDMI 2.0 PREMIUM CERTIFIED CABLES

HDMI 2.0 Premium 18G High Speed Cable 3m
`ZIG-ZPC-3M`

- HDR Support 10-bit, Dolby Vision Support 12-bit, ARC Support
- 16-bit support per channel, Ethernet Support
- 3D Support, 18-GBPS, RoHs Compliant
- CL3 Rated for In-Wall Installations
- Grip connector supports 9kg tension strength

HDMI 2.0 Premium 18G High Speed Cable 4.5m
`ZIG-ZPC-4.5M`

- HDR Support 10-bit, Dolby Vision Support 12-bit, ARC Support
- 16-bit support per channel, Ethernet Support
- 3D Support, 18-GBPS, RoHs Compliant
- CL3 Rated for In-Wall Installations
- Grip connector supports 9kg tension strength

HDMI 2.0 Premium 18G High Speed Cable 6m
`ZIG-ZPC-6M`

- HDR Support 10-bit, Dolby Vision Support 12-bit, ARC Support
- 16-bit support per channel, Ethernet Support
- 3D Support, 18-GBPS, RoHs Compliant
- CL3 Rated for In-Wall Installations
- Grip connector supports 9kg tension strength

HDMI 2.0 Premium 18G High Speed Cable 7.5m
`ZIG-ZPC-7.5M`

- HDR Support 10-bit, Dolby Vision Support 12-bit, ARC Support
- 16-bit support per channel, Ethernet Support
- 3D Support, 18-GBPS, RoHs Compliant
- CL3 Rated for In-Wall Installations
- Grip connector supports 9kg tension strength

HDMI 2.0 Premium 18G High Speed Cable 9.15m
`ZIG-ZPC-9.15M`

- HDR Support 10-bit, Dolby Vision Support 12-bit, ARC Support
- 16-bit support per channel, Ethernet Support
- 3D Support, 18-GBPS, RoHs Compliant
- CL3 Rated for In-Wall Installations
- Grip connector supports 9kg tension strength

HDMI 2.1 8K FIBER ACTIVE CABLES

HDMI 2.1 Active Optical Cable 10M
`ZIG-AOC-8-10M`

- HDCP 1.x and 2.x, Autonomous EDID Management
- 48-Gbps 8K 50/60Hz, Supports VESA, 2K, 4K, 5K, 8K and 10K
- 48-Gbps 4K 50/60/100/120Hz, HDR-10, HDR+, HLG, Dolby Vision
- HDMI 2.1 / HDMI 2.0 / HDMI 1.4
- eARC (Enhanced Audio Return Channel)

HDMI 2.1 Active Optical Cable 15M
`ZIG-AOC-8-15M`

- HDCP 1.x and 2.x, Autonomous EDID Management
- 48-Gbps 8K 50/60Hz, Supports VESA, 2K, 4K, 5K, 8K and 10K
- 48-Gbps 4K 50/60/100/120Hz, HDR-10, HDR+, HLG, Dolby Vision
- HDMI 2.1 / HDMI 2.0 / HDMI 1.4
- eARC (Enhanced Audio Return Channel)

HDMI 2.1 Active Optical Cable 20M
`ZIG-AOC-8-20M`

- HDCP 1.x and 2.x, Autonomous EDID Management
- 48-Gbps 8K 50/60Hz, Supports VESA, 2K, 4K, 5K, 8K and 10K
- 48-Gbps 4K 50/60/100/120Hz, HDR-10, HDR+, HLG, Dolby Vision
- HDMI 2.1 / HDMI 2.0 / HDMI 1.4
- eARC (Enhanced Audio Return Channel)

HDMI 2.1 Active Optical Cable 30M
`ZIG-AOC-8-30M`

- HDCP 1.x and 2.x, Autonomous EDID Management
- 48-Gbps 8K 50/60Hz, Supports VESA, 2K, 4K, 5K, 8K and 10K
- 48-Gbps 4K 50/60/100/120Hz, HDR-10, HDR+, HLG, Dolby Vision
- HDMI 2.1 / HDMI 2.0 / HDMI 1.4
- eARC (Enhanced Audio Return Channel)

HDMI 2.1 Active Optical Cable 40M
`ZIG-AOC-8-40M`

- HDCP 1.x and 2.x, Autonomous EDID Management
- 48-Gbps 8K 50/60Hz, Supports VESA, 2K, 4K, 5K, 8K and 10K
- 48-Gbps 4K 50/60/100/120Hz, HDR-10, HDR+, HLG, Dolby Vision
- HDMI 2.1 / HDMI 2.0 / HDMI 1.4
- eARC (Enhanced Audio Return Channel)

HDMI 2.1 Active Optical Cable 50M
`ZIG-AOC-8-50M`

- HDCP 1.x and 2.x, Autonomous EDID Management
- 48-Gbps 8K 50/60Hz, Supports VESA, 2K, 4K, 5K, 8K and 10K
- 48-Gbps 4K 50/60/100/120Hz, HDR-10, HDR+, HLG, Dolby Vision
- HDMI 2.1 / HDMI 2.0 / HDMI 1.4
- eARC (Enhanced Audio Return Channel)

Just Add Power

ULTRA HD IP

Build a network of any HDMI devices say from 10 sources × 30 screens
in a luxury home to 100+ sources × 300+ screens in a casino

4K HDR

Dante®

Commercial INTEGRATOR 2019 BEST

NEW

"My go-to video distribution
environment for 4K"

CEPro Review

3G+ 767DSS Dante Enhanced Sound System transmitter: adds
compatibility with Dante & AES67 audio networks to Ultra HD
over IP systems, with separate switching of audio & video.

Drivers: URC · Control4 · QSC SYSTEMS · Just Add SOFTWARE · CRESTRON · enado · SAVI · AMX HARMAN · RTI · SAVANT · ELAN

As used in: LAMBORGHINI · COSTCO WHOLESALE · Microsoft · NASA · GM · Skype · Edward Jones · Mercedes-Benz · HYPERLOOP

BUILD ANY SIZE OF HDMI MATRIX OVER IP

HDMI over IP products lets you create any size of 4K or 1080p HDMI matrix using a 1 Gb network and Cat 5e/6 cabling, and can be implemented in residential and commercial installations. Any combination of inputs and outputs is possible, and the system can be easily expanded to accommodate additional sources and screens.

Built-In & Down Scaling

No handshaking issues, watch any content on any display and switch instantly between them.

No need to upgrade every TV to 4K, just because a homeowner owns one 4K/HDCP 2.2 source. Our 3G platform features a built-in scaler that downscales 4K with HDCP 2.2 to 1080p, for viewing on Full HD TVs. You can instantly switch between sources too, which a traditional matrix can not.

High Definition Audio for Cinema Sound

Supports Dolby Atmos, DTS-X & Downmixing From 5.1

Perfect for luxury home cinema jobs with object-based audio requirements. Deliver Dolby Atmos and DTS-X using the 3G+HIFI transmitter as part of your 3G Ultra HD over IP matrix. For sources that need to be enjoyed in 5.1 multichannel zones and in 2.0 channel elsewhere, use a 3G+AVPro transmitter with licensed Dolby DSP.
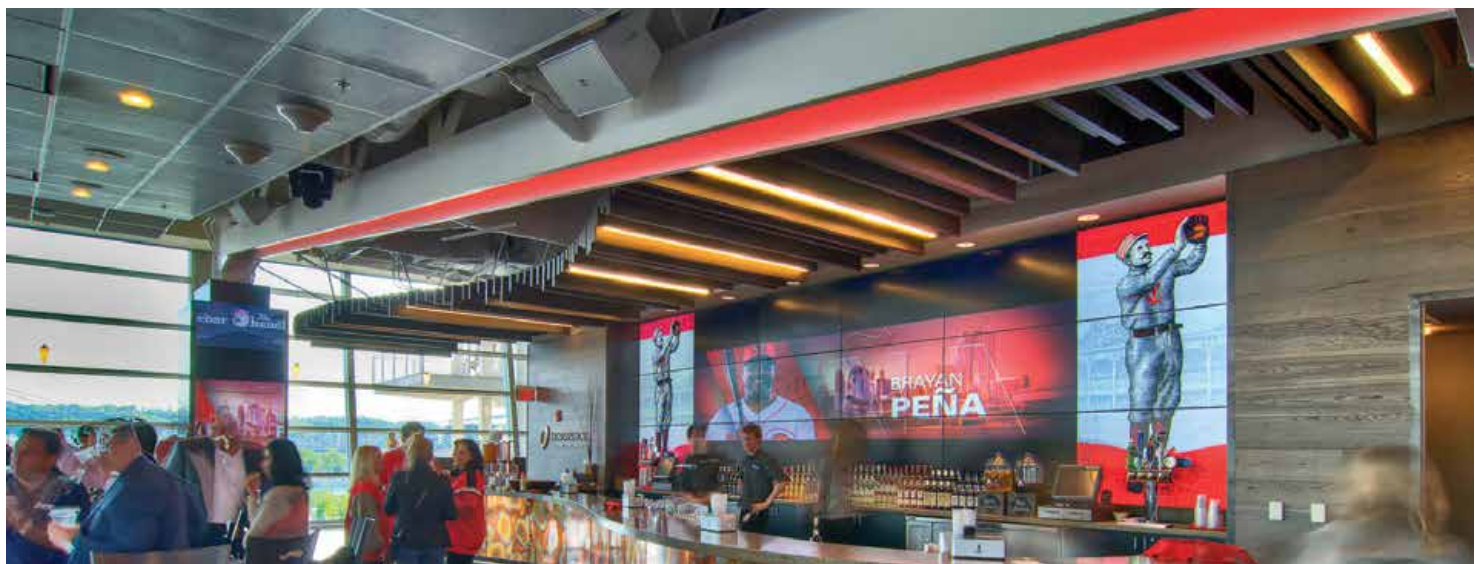
The Handlebar at the Great American Ballpark

Stadium Sports Bar // Cincinnati, Ohio, USA // 15 sources x 68 displays // 3x6 video wall // 4x5 video wall

NorCom's install at The Handlebar sports bar and grill in the Great American Ballpark shows just how creative integrators can be with video distribution when they use Just Add Power. A huge 3x6 8199 x 2304-pixel video wall covers the area behind the bar and allows for almost any selection and combination of source or content, including cable, broadcast, scoreboard feeds, instant replay, bullpen camera, pitch speed and Kiss Cam.

One of the most visually striking elements is two huge HD video columns that use LG 55-inch 5760 x 5400-pixel resolution displays to broadcast a range of live camera feeds, HD baseball programming and digital signage. A 4x5 social media wall with 50-inch Sharp LCD displays lets fans see and post promotions, tweets, Instagram photos and sponsor announcements.

WARP ENGINE

JAP-HDIP-737POE

- 1 U Rackmount
- Real Time Rotation of Video
- Image Push & Pull
- API or OSD Control of Sources
- Add-on to Any 3G System

The Warp Engine sends live rotated video to an unlimited number of Just Add Power Receivers. Rotate any HDMI source in a Just Add Power matrix in 0.1 degree increments.

Rotate **Any** HDMI Source in a Just Add Power Matrix in **0.1 Degree Increments**

Send Live Rotated Video to an **Unlimited** Number of Just Add Power Receivers

Create Massive **Artistic Video Walls** using a **Single Warp Engine**

VIDEO TILER
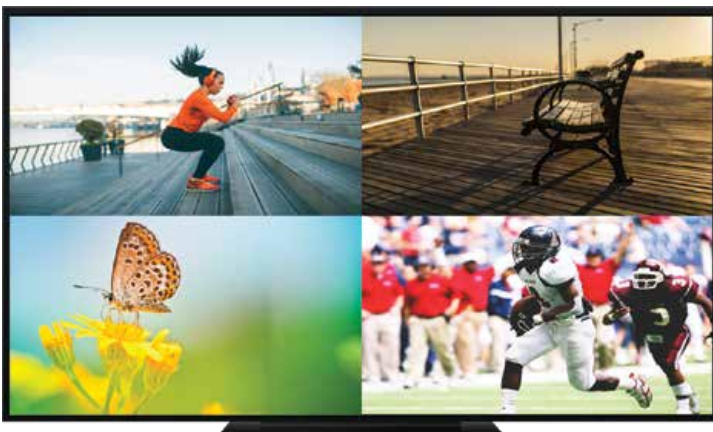
JAP-HDIP-759A

- Display 4 Sources on 1 Display
- View on Any Screen
- Adjustable Transparency
- Custom Sizing & Placement
- Mix Any Resolution Source
- Local HDMI Out
- Stackable for Unlimited Tiles
- Smooth Transitions for Live Events

The Video Tiler allows any integrated screen with a Just Add Power Receiver attached to do multiview. Tile four (or more) HDMI sources on a single display in a variety of viewing modes.

FEATURED DEVICES

ST-1 Sound Transceiver
JAP-HDIP-ST1

Operates as either a Transmitter or a Receiver.

Use the ST1 Sound Transceiver to add a stereo audio source to a Just Add Power system, or to extract stereo audio from an existing Transmitter. Supports up to 192kHz 24-bit 2-Channel LPCM Audio.

Dante Enabled TX
JAP-HDIP-767DSS

Send and receive up to 8-Channels.

The Dante Enabled Transmitter allows any Just Add Power system to exchange 2-way audio with any Dante or AES67 sound system. Including all of the 4K system wide features found within the 3G Ultra Transmitters, this device has the richest feature set in the industry.

3G POE TX With Stereo Extraction
JAP-HDIP-708POE

Supports all lossless audio formats - including Dolby Atmos.

The 708POE Transmitter with Stereo Audio Extraction can distribute 4K video, stereo audio, and breakout analog audio on a single device. Input stereo audio to enable the stereo audio extraction port to feed into a stereo distribution matrix.

MAXCOLOR™ SERIES

4K 60Hz 4:4:4

36 Bit Colour

MC-TX1 Transmitter

MC-RX1 Receiver

Gigabit POE Transmitter
MaxColor™ **MC-TX1** DATA

Gigabit POE Receiver
MaxColor™ **MC-RX1** DATA

MaxColor™ Series

This new series natively supports 4K@60Hz in and out, allowing end users to play High Dynamic Range video, including Dolby Vision and HDR10+ formats, using the growing number of Ultra 4K sources and devices. With MaxColor™, 4K60/4:4:4/36-bit colour video can be distributed over a 1Gb managed network using existing CatX (Cat5e minimum) cable, eliminating the expense of upgrading to fiber and buying more costly network switches.

Use MaxColor™ 4K60 Transmitters and Receivers to create your new system, or bridge them to 3G Ultra models to support a variety of source and screen formats.

MaxColor™ can run parallel and or be bridged with 3G Ultra models.
Bridging requires additional hardware.

	MC-TX1 Transmitter	MC-RX1 Receiver
Audio	Supports all lossless audio formats	Supports all lossless audio formats
Colour Depth	Supports deep colour up to 36-bit	Supports deep colour up to 36-bit
HDR Support	HDR10, HDR10+, HLG and Dolby Vision	HDR10, HDR10+, HLG and Dolby Vision
Integrated Endpoint Control	Control endpoints with CEC, IR, RS232	Control endpoints with CEC, IR, RS232
Image Pop		Display a custom logo or message as an overlay on any active screen
Image Pull	Preview an image from any source or display, in any web browser or control system, at up to 10 fps	Preview an image from any source or display, in any web browser or control system, at up to 10 fps
Image Push		Load a custom default image or logo for when no source is displayed onscreen
Scalability	Can run parallel and or be bridged with all 3G Ultra models. Bridging requires additional hardware	Can run parallel and or be bridged with all 3G Ultra models. Bridging requires additional hardware
Supported Resolution	Computer and video resolution up to and including 4K/60 4:4:4	Computer and video resolution up to and including 4K/60 4:4:4
Video Rotation (may require free firmware update)		Rotate your video by 90 degrees for portrait or landscape display
Video Wall (may require free firmware update)		Supports standard video wall displays

CHOOSING A SYSTEM

Just Add Power built its reputation for outstanding performance on its design using VLAN switching on a closed network to distribute audio and video with zero detectable latency. For most installs, a **VLAN system** is still the **best performing option for a Just Add Power AV system**.

For some larger installs where equipment is already in place or must be consistent across the company's network, a multicast system is necessary to meet these requirements.

Use the guide below to help you choose the type of system that's right for your next project.

	VLAN	**MULTICAST**
Device Config Tool	AMP	AMP
System Setup	Software Does It All	Software Does Some Installer Does Some
Software Sets Up	J+P Devices **AND** Switch	J+P Devices ONLY *You Configure the Switch*
Network Switches	Specific Models Supported	Minimum Technical Specs
Network Knowledge	Basic	Advanced
Data Network Impact	None *Standardised by J+P*	Unknown *Varies by System Capabilities*
System Maintenance	Installer	Installer and/or IT Admin
Installation Type	Residential or Commercial	Corporate or Institutional
Control System	Control4, URC, Crestron, RTI, MediaSwitcher	Control4, Q-Sys, MediaSwitcher

SWITCH OVERVIEW

SWITCH MODEL	VLAN SYSTEMS	MULTICAST SYSTEMS	MULTI-SWITCH SYSTEMS	POE PORTS	MAXIMUM DEVICES
LUXUL AMS-1208P	●			7	9
LUXUL AMS-1816P	●			15	17
LUXUL AMS-2624P	●	●		23	25
LUXUL XMS-1208P	●			7	9
LUXUL XMS-2624P	●			23	25
LUXUL SW-510-48P-F	●	●		47	47
LUXUL SW-610-48P-F	●	●	●	47	47
LUXUL SW-610-24P-R	●	●	●	23	23
NETGEAR GSM4212P	Coming Mar 2022	●		8	9
NETGEAR GSM4212PX	Coming Mar 2022	●	Coming Mar 2022	8	9
NETGEAR GSM4230P	Coming Mar 2022	●		24	25
NETGEAR GSM4230PX	Coming Mar 2022	●	Coming Mar 2022	24	25
NETGEAR GSM4248P	Coming Mar 2022	●		39	39
NETGEAR GSM4248PX	Coming Mar 2022	●	Coming Mar 2022	40	40
NETGEAR XSM4216F	Coming Mar 2022	●	Coming Mar 2022	0 (interlink)	0 (interlink)
CISCO SG350 SERIES	●			47	51
CISCO CBS350 SERIES	●			47 (FP version)	47
CISCO SG550X SERIES	●			376*	376*

4K Transmitters
System Wide Features

- Encodes 4K or Lower Resolutions
- Supports HDCP 2.2
- 4K/60 Compatible at 4K/30
- HDR Support
- Seamless Switching
- Integrated Endpoint Control

- Zero Detectable Latency
- EDID Management
- POE Powered (unless otherwise noted)
- Plug-Play-Present
- Image Pull
- All 3D Formats Supported

3G POE

JAP-HDIP-707POE

- 4K System Wide Features
- All Lossless Audio Supported

3G+ HIFI

JAP-HDIP-717HIFI

- 4K System Wide Features
- All Lossless Audio Supported
- HDMI Loopout

3G POE Plus Stereo Extraction

JAP-HDIP-708POE

- 4K System Wide Features
- All Lossless Audio Supported
- Stereo Audio Output 3.5mm

3G+ KVM

JAP-HDIP-718KVM

- 4K System Wide Features
- Stereo Audio Output 3.5mm
- KVM Support

AVP Upgrade Will be Available in the Future - 749A Chip Upgrade

Visit Link to Read More:
www.justaddpower.com/kvmproduct.html

3G P2P

JAP-HDIP-709P2P

- 4K System Wide Features
- All Lossless Audio Supported
- Built-in POE Injector up to 40W
- Specifically Built for Point-to-Point

3G ULTRA TRANSMITTERS

3G+ WP2

JAP-HDIP-717WP2

- 4K System Wide Features
- HDMI and VGA Input
- All Lossless Audio Supported
- Stereo Audio Input
- KVM Support
- Colours: Black, White or Custom

3G 2-Gang Thin WP2

JAP-HDIP-707WP2

- 4K System Wide Features
- 1.5' Total Depth
- Integrated Endpoint Control - CEC Control
- Colours: Black, White or Custom

3G+ WP4

JAP-HDIP-718WP4

- 4K System Wide Features
- HDMI and VGA Input
- Dolby 5.1 Downmixing
- Audio Mixing
- Stereo Audio Input
- Stereo Audio Output 3.5mm
- KVM Support
- Colours: Black, White or Custom

3G POE Rackmount

JAP-HDIP-747POE

- 4K System Wide Features
- 4-in-1 Rackmount of 3G POE TX
- All Lossless Audio Supported
- POE or AC Powered

3G+ KVM Rackmount

JAP-HDIP-749KVM

- 4K System Wide Features
- 3-in-1 Rackmount of 3G+ KVM TX
- Supports 110V to 240V AC Power
- Audio Mixing

AVP Upgrade Will be Available in the Future - 749A Chip Upgrade

Visit Link to Read More:
www.justaddpower.com/kvmproduct.html

3G+ Dante Enabled

JAP-HDIP-767DSS

- 4K System Wide Features
- Dante & AES67 RTP Enabled
- 8-Channel PCM Audio
- HDMI Loopout

3G ULTRA TRANSMITTERS

4K Receivers
System Wide Features

- EResolution Output Scaling
- HDR Support
- HDCP 2.2
- All Lossless Audio Supported
- Integrated Video Scaler

- Seamless Switching
- Integrated Endpoint Control
- Video Wall with Rotation
- EDID Management
- POE Powered (unless otherwise noted)

- Plug-Play-Present Built-in
- Image Push, Pull, Pop
- On Screen Display
- All 3D Formats Supported

Consumer Technology Association | Smart Home Division Mark of Excellence
2020 WINNER

3G POE
JAP-HDIP-508POE
- 4K System Wide Features

3G+ AVP
JAP-HDIP-518AVP
- 4K System Wide Features
- Analog Audio Out
- KVM Support

3G POE Daisy-Chain
JAP-HDIP-509POE
- 4K System Wide Features
- Network Out Port
- Can use with 709P2P for Video Walls
- DHCP Integration
- Supports Multiple Receivers on Single LAN Port

ACCESSORIES

2GΩ/3G ST-1 Sound Transceiver
JAP-HDIP-ST1
- Send Stereo Audio Signal from Any
- Transmitter to an Analog Audio System
- Inject Any Analog Audio Signal into the System
- Operates as Either a Transmitter OR a Receiver
- Supports up to 192kHz 24-bit 2-Channel LPCM Audio
- Variable Audio Adjustment from -46.5dB to +12dB
- POE Powered
- Ultra Low Latency
- Integrated Endpoint Control (RS232 & IR)
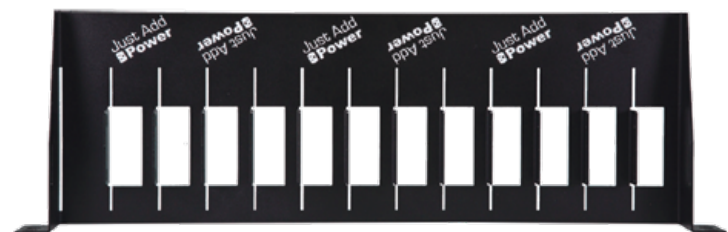
19" rack mount shelf

Rackmount Shelf
JAP-HDIP-RS1U
- 2G, 2GΩ, & 3G Compatible
- Holds up to 13 Devices
- Max 5U High
- 19" Rackmount Shelf

IR Control
JAP-HDIP-IRD2
- Serial to IR
- Compatible with All Devices
- Adds IP to IR Control

3G ULTRA RECEIVERS

1080p Transmitters
System Wide Features

- Encodes 1080p or Lower Resolutions
- Supports HDCP 2.2
- HDR Support
- Seamless Switching
- Zero Detectable Latency

- EDID Management
- POE Powered (unless otherwise noted)
- Plug-Play-Present
- Image Pull
- All 3D Formats Supported

2GΩ/3G

JAP-HDIP-705POE

- 1080p System Wide Features
- All Lossless Audio Supported
- Integrated Endpoint Control

2GΩ/3G SDI

JAP-HDIP-725POE

- 1080p System Wide Features
- Supports 48kHz Audio Sample Rate, 8 Channels, 16~24 Bits
- HDMI Loopout
- Analog Audio Output
- Integrated Endpoint Control - RS232 & IR

2GΩ/3G+

JAP-HDIP-715POE

- 1080p System Wide Features
- All Lossless Audio Supported
- Analog Audio Output
- HDMI Loopout
- Integrated Endpoint Control
- KVM Support

2GΩ/3G TVI

JAP-HDIP-726TVI

- 1080p System Wide Features
- TVI Input
- Analog Audio Input
- HDMI Loopout
- KVM Support

Residential Install

3 Sources × 5 Displays

4 Bedroom Residential Install: Second Floor
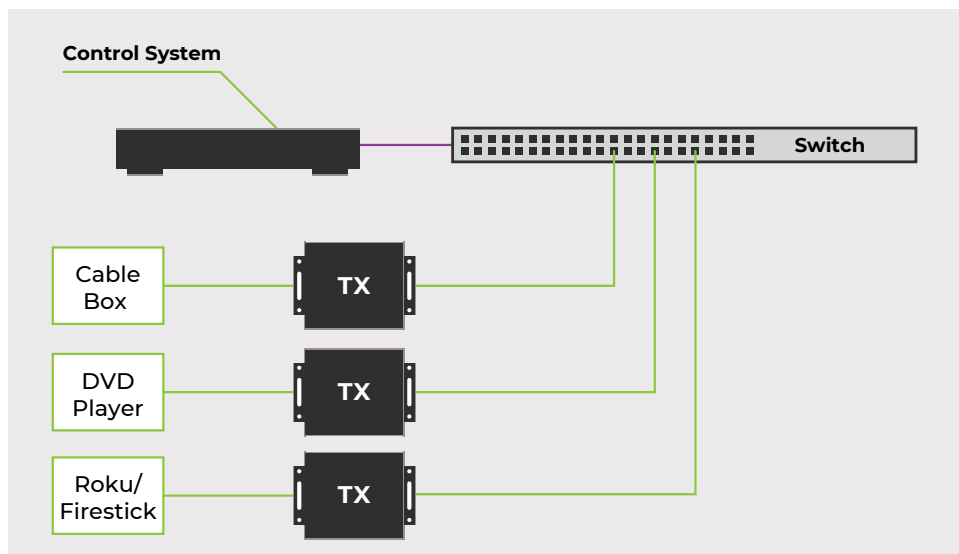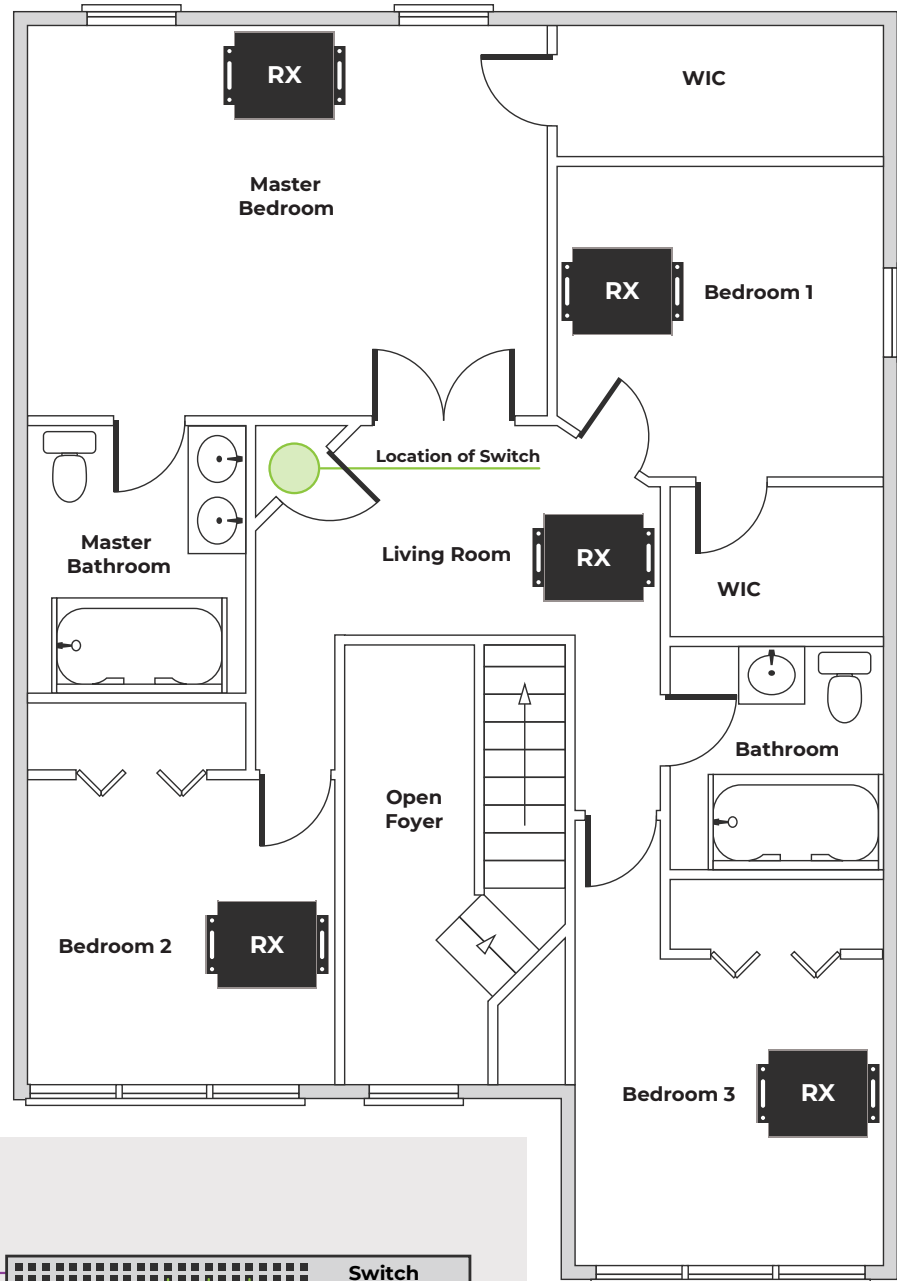
3 Sources × 5 Displays

A simple two story install with a switch located upstairs in the living room closet with 3 sources and 1 display per room (5 total displays).

Residential AV over IP

With Just Add Power, residential installers benefit from having no fixed number of inputs/sources or outputs/ displays to work around, have no difficulty distributing to distances over 100m in large luxury homes, and like the fact that they can easily return to a site in the future to expand the system when desired.
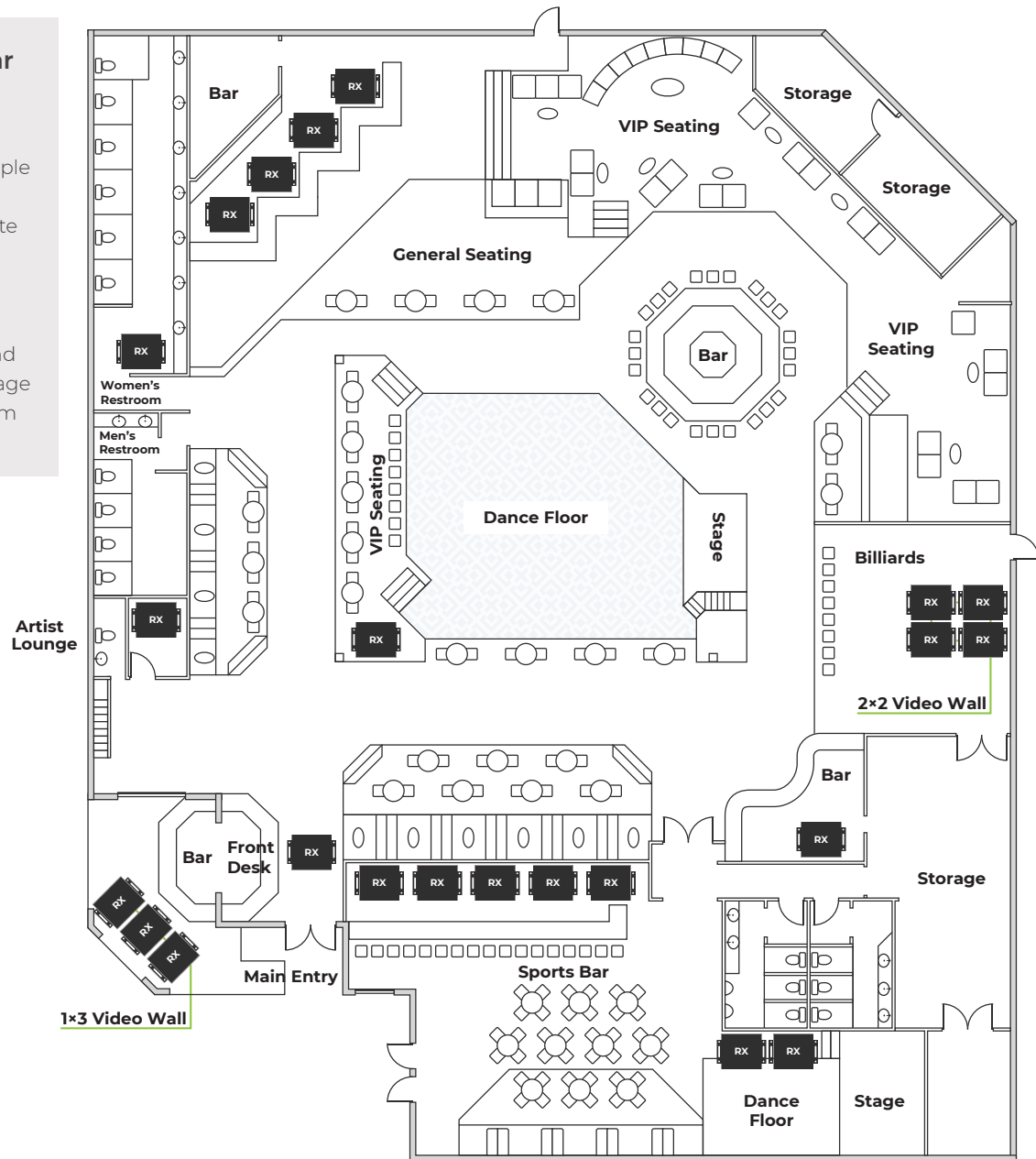
SYSTEM EXAMPLES

Commercial Install

20 Sources × 30 Displays

Nightclub & Sports Bar Install:

20 Sources × 30 Displays

This install is a perfect example where an installer has used stacked switches to distribute AV throughout this large commercial space.

Paired with a compatible control system, the client and their employees easily manage the sources and screens from anywhere in the building.

Floorplan labels: Bar, RX, RX, RX, RX, Women's Restroom, Men's Restroom, Artist Lounge, RX, RX, General Seating, VIP Seating, Dance Floor, Stage, Bar, VIP Seating, Storage, Storage, VIP Seating, Billiards, RX RX RX RX, 2×2 Video Wall, Bar, RX, RX, Storage, RX, Front Desk, Bar, RX, RX RX RX RX RX, 1×3 Video Wall, Main Entry, Sports Bar, RX RX, Dance Floor, Stage

Pro AV & Commercial AV over IP

Whether it's an airport, office building, a sports bar or a stadium, Just Add Power lets you build a video distribution system of networked AV devices that is scalable, reliable, economical, and easily controllable.
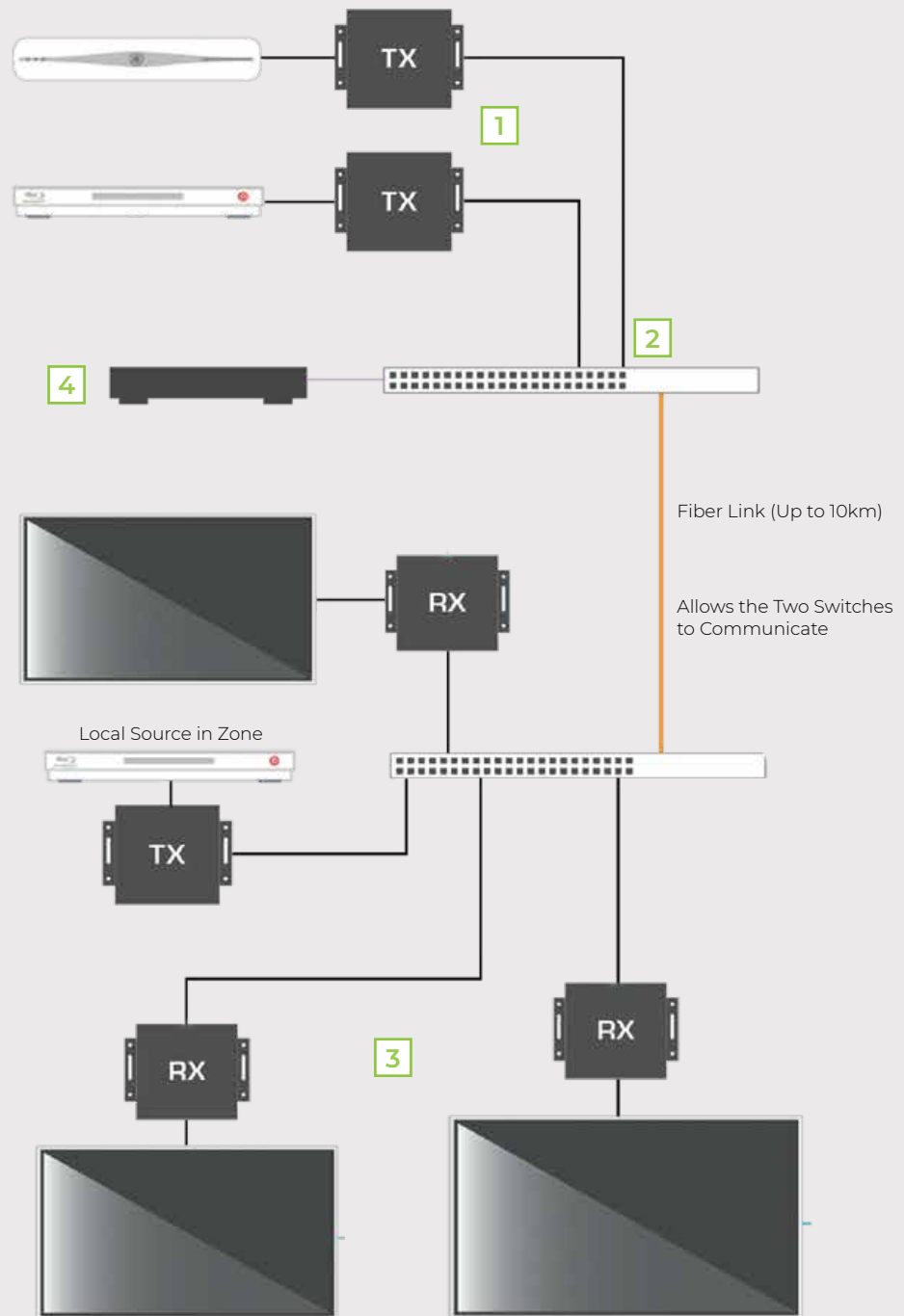
Our AV over IP products can also create stunning standard mosaic and artistic video walls and combine multiple video feeds onto a single screen.
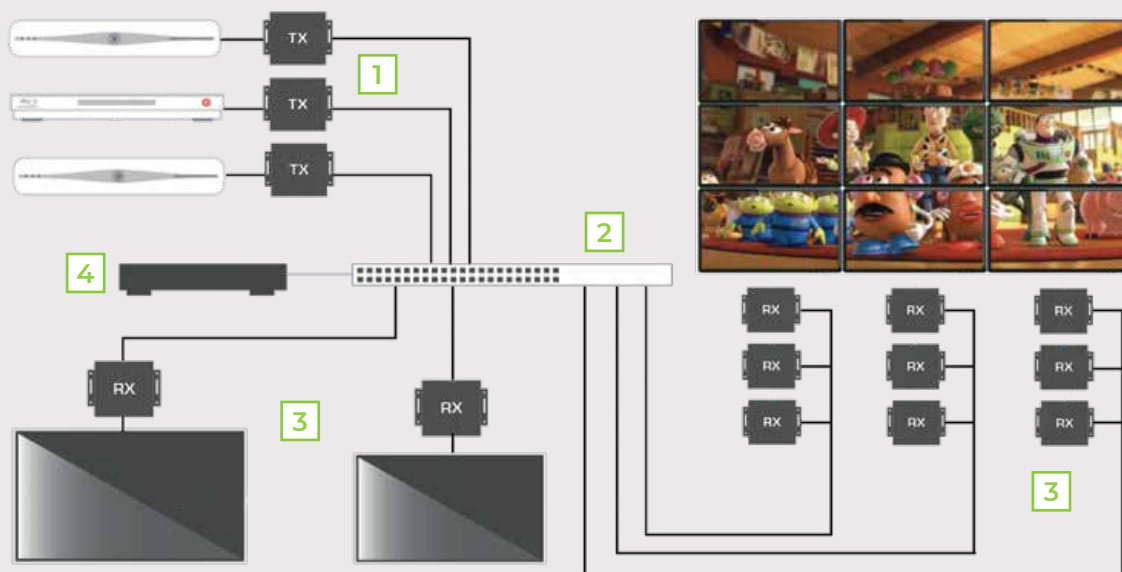
Example One: 2 Switches Stacked
(3 input & 3 output)

4K over IP

1 **Source Transmitters**
One Transmitter per Source

2 **Managed Gigabit Switch**
LUXUL or Cisco Layer 3
Managed Switch

3 **Display Receivers**
One Receiver per Display

4 **System Controller**
Open Platform API with Custom
Free Drivers for All Popular
Control Systems

TX

TX

1

2

4

Fiber Link (Up to 10km)

Allows the Two Switches
to Communicate

RX

Local Source in Zone

TX

3

RX

RX

Example Two: Video Wall with One Switch
(3 Input & 11 Output)

All of the current HDMI over IP devices have a built-in video wall processor that allows you to build a **2×2 up to a 16×16 video wall**, and nearly any combination within that (i.e. 2×4, 6×2, 1×8).

Watch one source across a full video wall or use **single screen viewing mode** to make each screen show a different source.

Our **3G video tiler** pairs perfectly with our video walls for displaying even more video content in a quad view on one or more video wall screens.

**A 3×3 video wall example**
One source across 9 displays.

Most Modular Design · Plug-Play-Present · Video Tiling · USB, 232, IR & CEC All Over IP · 4K Up & Downscaling · Seamless Management · Supports All Audio Formats · Power Over Ethernet

Works With All 4K Sources · Use Any Gigabit Swtich · Ultra Low Latency · Default Image · Free Web-Based Control App · Video Wall · Default Image · Image Preview

Luxul Network Switches for the Pro AV Integrator
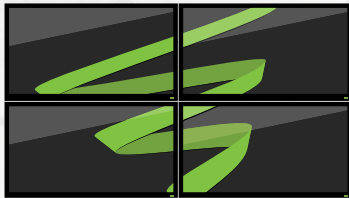
AV over IP Ready
Select Luxul switches provide simple and seamless integration with industry-leading AV over IP systems.

PoE+ & Layer 2/Layer 3
Full 802.3af/at compliance and healthy power budgets, and advanced Layer 2/3 features streamline network traffic while simplifying installation.

Self-Healing
Gives select Luxul switches PoE Auto-Recovery & PoE Power Scheduling Feature. Change the game, beat the truck rolls.

AV Series

All Luxul products include Free Lifetime Support, Free firmware upgrades for life of product and a 3 Year Limited hardware Warranty.

Ask about our Free Network Design service.

LUXUL™

Free Design Service · Free Lifetime Support

EPIC MESH

The Epic Mesh solution combines the power of a Luxul wireless product with the ease of wireless mesh networking solutions, resulting in a reliable network comparable to those you've come to depend on from Luxul. Enjoy simple installation with the Easy Setup App on your iOS or Android smartphone.

Enjoy These Additional Features with the Luxul Epic Mesh Solution:

- High capacity bandwidth between nodes
- Specialised antenna design with beamforming for better device connectivity and speed
- Quick and simple setup using Easy Setup App
- Physical node placement assistance for optimal coverage

Specifications:

- Wave 2 MU-MIMO
- High capacity 5GHz (4×4) backhaul radio
- 2.4GHz and 5GHz (2×2) client connectivity radios
- Secure guest network

Epic Wireless Mesh Kit

MK-10

- Includes two interchangeable nodes (can be configured as a mesh router or mesh satellite node)

Epic Wireless Mesh Node

MN-10

- Can be used as router, satellite, or additional node for expansion (can be configured as a mesh router or mesh satellite node)

Winner of

Residential Systems
CEDIA 2019
BEST of SHOW

WIRELESS CONTROLLERS

With Luxul's Roam Assist technology, the XWC-2000 and XWC-1000 enable active roaming while simplifying the access point setup and control. Compatible with all Luxul current XAP series models, which allows integrators to mix and match APs to maximise the performance and budget of each project.

Wireless Routers with Built-in Wireless Controller

Luxul Roam Assist technology is now available in Luxul's complete line of full-featured, high-performance wireless routers.

**Simple to Install
Free Lifetime Support
Not Sold Online!**

Wireless Controller

XWC-2000

- Active client roaming
- Centralised setup and control
- Supports up to 32 Luxul APs

Wireless Router Kits

WS-260

- Epic 3 & XAP-1610

WS-250

- Epic 3 & XAP-1510

WS-80

- XWR-1200 & XAP-810

WIRELESS CONTROLLER SYSTEMS

Luxul wireless controller systems include everything needed to effortlessly deploy a reliable whole-home or commercial wireless network. Systems can easily be expanded with up to 16 APs and work with any combination of current XAP series models.

Wireless Controller System with High-Powered AC1900 Access Points

XWS-2510

- One XWC-1000 wireless controller
- Two XAP-1510 AC1900 dual-band access points
- Two PoE injectors

INDOOR APEX™ ACCESS POINTS

Our dual-band APs are based on the latest 802.11ac standards. They offer high-powered, dual-band wireless functionality and beamforming technology for farther-reaching WiFi coverage and maximum data rates—resulting in a superior wireless networking experience.

WAVE 2 4x4 MU-MIMO

AC3100 Dual-Band Wireless AP
XAP-1610
- 4×4 Wave 2, MU-MIMO 802.11ac
- High-powered
- 2.4GHz & 5GHz
- Beamforming on both bands
- Extreme throughput for video streaming & online gaming
- Ceiling or wall mount

AC1900 Dual-Band Wireless AP
XAP-1510
- 3×3 802.11ac
- High-powered
- 2.4GHz & 5GHz
- Beamforming on both bands
- Ceiling or wall mount

AC1200 Dual-Band Wireless AP
XAP-810
- 2×2 802.11ac
- High-Powered
- 2.4GHz & 5GHz
- Ceiling or wall mount

CONTROLLER COMPATIBLE OUTDOOR APS

The Luxul controller compatable and weather resistant outdoor access points extend your WiFi coverage to the outdoors. Create connected outdoor spaces for mobile devices, streaming audio, and control systems.

Indoor Apex™ Access Points

Our dual-band APs are based on the latest 802.11ac standards. They offer high-powered, dual-band wireless functionality and beamforming technology for farther-reaching WiFi coverage and maximum data rates—resulting in a superior wireless networking experience.

AC1200 Dual-Band Outdoor AP
XAP-1440
- 2×2 802.11ac
- High-powered
- 2.4GHz & 5GHz
- Weather-resistant enclosure (IP-65 rated)

High Power Wireless 300N Commercial Grade Access Point
XAP-1230
- High Output Power (1000mW) for Maximum Coverage
- Multi-Stream 802.11n, Data Transfers of up to 300Mbps
- QoS Support, Up to 8 SSIDs, VLAN support for a guest network
- Single Cable Installation with PoE (Injector included)

WIRELESS BRIDGES

AC1200 Dual-Band Outdoor Bridging AP

XWO-BAP1

- 2×2 802.11ac
- High-powered
- 2.4GHz & 5GHz
- Weather-resistant enclosure (IP-65 rated)
- Supports point-to-point and point-to-multipoint applications

AC1200 Dual-Band Outdoor Bridging Kit

XWO-BKT1

- 2×2 802.11ac
- High-powered
- 2.4GHz & 5GHz
- Weather-resistant enclosures (IP-65 rated)
- Pre-configured bridge
- Includes two access points and two PoE injectors

REMOTE ACCESS

Manage Your Luxul Networks... from Anywhere

With our new cloud management solution, you'll have access to your client's networks from anywhere at any time. Available through a web application as well as on Android and iOS smartphones and tablets, easily take advantage of all the benefits below and more:

- Reboot PoE and smart PDU connected devices
- Remote access to a device's local UI
- Automatically discover and monitor all devices on the network

- Receive alerts when devices go offline
- Remote firmware updates
- Easily view all your sites in either list or map view

Epic Routers

Luxul Epic routers are designed for use in high-capacity residential and commercial networks. A router is the interface between the internet and the local network and is the foundation for a reli able network. Luxul's complete line of full-featured, high-performance routers offer firewall, QoS, VLAN, VPN, and other capabilities that ensure the best network performance, scalability, and security.

Epic 5 – High-Performance Gigabit Router

ABR-5000

- High-performance full-Gigabit WAN to LAN throughput
- Two WAN, five LAN ports
- Rear-facing ports with user-selectable green or blue front-facing LEDs

Epic 4 – Gigabit Router

ABR-4500

- 600Mbps WAN to LAN throughput
- One WAN, one LAN, and three LAN/WAN configurable ports
- Rear-facing ports with user-selectable green or blue front-facing LEDs

WIRELESS ROUTERS

Luxul's line of wireless routers combine wired router functionality with high-powered, dual-band wireless technology. With support for firewall, QoS, VPN, and Roam Assist for active roaming and improved network performance, they're a great choice for highly-reliable residential or light-commercial networks.

Router Limits

Luxul routers with Router Limits content management* put your customers back in control of their internet experience. Manage the traffic, pause device access, track history, set scheduled access, and limit site access by groups or devices with internet connections.

Easily set, adjust, or create new restrictions from the cloud app, creating a seamless experience.

Luxul Easy Setup App

The Luxul Easy Setup App helps you be efficient on the job.

Set up a Luxul wireless router (XWR-1200 & Epic 3) and up to two additional access points at the same time in under two minutes, all from the convenience of your phone!

WAVE 2 4x4 MU-MIMO

Epic 3 – Dual-Band Wireless AC3100 Router
XWR-3150

- Wireless data transfer of up to 3100Mbps
- Built-in wireless controller (supports up to 2 additional Luxul APs)
- 4×4 concurrent dual-band 802.11ac
- 2.4 and 5GHz beamforming
- Easy Setup App compatible
- Built-in Router Limits*
- Built-in Domotz remote management system

Dual-Band Wireless AC1200 Router
XWR-1200

- Wireless data transfer of up to 1200Mbps
- Built-in wireless controller (supports up to 2 additional Luxul APs)
- 2×2 concurrent dual-band 802.11ac
- 5GHz beamforming
- Easy Setup App compatible
- Built-in Router Limits*

*Subscription fees may apply when controlling devices off your network

Free Design Service · Free Lifetime Support

WIRELESS KITS

Part Number	WS-80	WS-250	WS-260	XWS-1810	XWS-2510	XWS-2610
Type	AP/Wireless Router	AP/Wireless Router	AP/Wireless Router	AP/Wireless Controller	AP/Wireless Controller	AP/Wireless Controller
Access Point	XAP-810 ×1	XAP-1510 ×1	XAP-1610 ×1	XAP-810 ×2	XAP-1510 ×2	XAP-1610 ×2
Wireless Router	XWR-1200	Epic 3	Epic 3	NA	NA	NA
Wireless Controller	built-in	built-in	built-in	XWC-1000	XWC-1000	XWC-1000
Scalability	Up to 2 APs	Up to 2 APs	Up to 2 APs	Up to 16 APs	Up to 16 APs	Up to 16 APs
Band Support	802.11ac Dual-Band 2.4GHz & 5GHz	802.11ac Dual-Band 2.4GHz & 5GHz	Wave2, MU-MIMO 4X4 802.11ac Dual-Band 2.4GHz & 5GHz	802.11ac Dual-Band 2.4GHz & 5GHz	802.11ac Dual-Band 2.4GHz & 5GHz	Wave2, MU-MIMO 4X4 802.11ac Dual-Band 2.4GHz & 5GHz
Clients Supported	70	100-120	100-120	40 per AP	100-120 per AP	100-120 per AP

ACCESS POINTS

Part Number	XAP-810	XAP-1510	XAP-1610	XWO-BAP1	XAP-1440
Type	Indoor	Indoor	Indoor	Outdoor Bridge	Outdoor
Wireless Speed	1900Mbps	1900Mbps	3167Mbps	1200Mbps	1200Mbps
Mounting	Ceiling/Wall	Ceiling/Wall	Ceiling/Wall	Wall/Pole	Wall/Pole
Beamforming	5GHz	2.4GHz & 5GHz	2.4GHz & 5GHz	No	No
Wireless Controller Compatible	Yes	Yes	Yes	No	Yes
Clients Supported	Up to 50	Up to 128	Up to 128	Up to 50	Up to 50
Frequency	2.4GHz & 5GHz	2.4GHz & 5GHz	2.4GHz & 5GHz	2.4GHz & 5GHz	2.4GHz & 5GHz
Wireless Mode	2×2: 802.11ac	3×3: 802.11ac	Wave2, MU-MIMO 4×4 802.11ac	2×2: 802.11ac	2×2: 802.11ac
Ports	Gigabit ×1	Gigabit ×2	Gigabit ×2	Gigabit ×1	Gigabit ×1
Extended Temperature Rated	0 to +40C°	0 to +40C°	0 to +40C°	-20C° to +60C°	-20C° to +50C°
Coverage/Range	Up to 400 m² per AP	Up to 400 m² per AP	Up to 400 m² per AP	Up to 400 m² per AP	Up to 28 m²

LUXUL™

Customer Assurance Program
Free Network Design
Guaranteed WiFi Coverage
Ongoing Support

About the Program

RELIABLE NETWORK GUARANTEED

The Luxul Customer Assurance Program takes the stress out of designing a network. Simply register your project online at luxul.com/assurance-program; Luxul engineers will provide a complete network design; and if you need assistance configuring the network, an advanced support team is available to you. If you have a product failure, we will provide an advanced replacement of any Luxul product, and if the design doesn't perform we'll make it right by providing additional network equipment, at no cost to you.

A brand of **⌐ legrand**®

AV SERIES POE SWITCHES

PoE managed switches include port Auto-Recovery and Power Scheduling, ensuring system reliability and uptime. For AV over IP video systems, PoE+ switches offer full 802.3af/at compliance and power budgets, and advanced Layer 2/Layer 3 features streamline network traffic while simplifying installation.

24-Port Gb PoE+ L2 L3 Managed Switch w/ 4 SFP+
SW-610-24P-R
- PoE Self-Healing with auto-recovery and power scheduling
- 24 PoE+ Gigabit Ports, 370 Watt total PoE budget
- Rear-facing ports, 4 SFP+ Ports
- Uplinks aggregable up to 40Gbps, Rack Mountable

AV Series 26-Port Gigabit Managed PoE+ Switch
AMS-2624P
- 24 Gigabit RJ-45 ports + two Gigabit SFP combo ports
- 24 PoE+ ports (250 Watts power budget)
- Variable speed fan

AV Series 18-Port Gigabit Managed PoE+ Switch
AMS-1816P
- 16 Gigabit RJ-45 ports + two Gigabit SFP combo ports
- 16 PoE+ ports (185 Watts power budget)
- Variable speed fan

AV Series 12-Port Gigabit Managed PoE+ Switch
AMS-1208P
- 10 Gigabit RJ-45 ports + two Gigabit SFP combo ports
- 8 PoE+ ports (130 Watts power budget)
- Fanless for silent operation

AV SERIES POE SWITCHES

Luxul AV Series switches feature rear-panel ports and front-facing LEDs (user-selectable blue/green colors) for clean integration with AV rack systems. Managed switches feature advanced Layer 2/Layer 3 functionality and are designed for use in HD over IP video systems; non-managed switches are plug-and-play.

8-Port Gigabit Flex Mount Switch
AGS-1008M
- Eight Gigabit RJ-45 ports
- 16Gbps switching capacity
- PoE or External AC Powered
- Includes magnetic mounting system

AV Series 16-Port Gigabit Switch
AGS-1016
- 16 Gigabit RJ-45 ports
- 32Gbps switching capacity
- Fanless for silent operation

AV Series 24-Port Gigabit Switch
AGS-1024
- 24 Gigabit RJ-45 ports
- 48Gbps switching capacity
- Fanless for silent operation

L2/L3 POE SWITCHES

Luxul AV Series switches feature rear-panel ports and front-facing LEDs (user-selectable blue/green colors) for clean integration with AV rack systems. Managed switches feature advanced Layer 2/Layer 3 functionality and are designed for use in HD over IP video systems; non-managed switches are plug-and-play.

48-Port Gb PoE+ L2 L3 Managed Switch with 4 SFP
SW-510-48P-F
- PoE Self-Healing with auto-recovery and power scheduling
- 48 PoE+ Gigabit Ports, 740 Watt total PoE budget
- Front-facing ports, 4 SFP (1Gb) Ports
- Rack Mountable

48-Port Gb PoE+ L2 L3 Managed Switch with 4 SFP+
SW-610-48P-F
- PoE Self-Healing with auto-recovery and power scheduling
- 48 PoE+ Gigabit Ports, 740 Watt total PoE budget
- Front-facing ports, 4 SFP+ Ports
- Uplinks aggregable up to 40Gbps, Rack Mountable

12-Port Gigabit Managed PoE+ Switch
XMS-1208P
- Eight Gigabit Ethernet PoE+ ports (130 Watts power budget)
- Two Gigabit Ethernet ports & two SFP ports (can be used independently)
- Fanless for silent operation

26-Port Gigabit Managed PoE+ Switch
XMS-2624P
- 26 Gigabit RJ-45 ports + two Gigabit combo ports
- 24 PoE+ ports (370 Watts power budget)
- Variable speed fan

AFFORDABLE SWITCHES

Based on the newest standards and highest-quality design, Luxul switches offer a scalable and affordable choice for expanding your network.

5-Port Mini Gigabit Switch
XGS-1005-5
- Five Gigabit RJ-45 ports
- 10Gbps switching capacity
- Designed for desktop or wall mount
- Five XGS-1005s sold in a package

8-Port Gigabit Desktop Switch
XGS-1008
- Eight Gigabit RJ-45 ports
- 16Gbps switching capacity
- Designed for desktop or wall mount

POE SWITCHES

SW-100-04P

SW-100-05PD

SW-100-08P

4 Port GB POE+ Switch

SW-100-04P

The SW-100-04P is a compact Gigabit PoE+ switch that provides four PoE+ capable ports of Gb Ethernet connectivity with a total power budget of 58 watts. It is an excellent choice for expanding your network when using PoE-enabled devices such as VoIP, IP cameras, and wireless access points and fits easily into the widest range of environments. The durable metal case includes rubber feet and keyhole features for surface mounting options.

- Connect up to 4 IP cameras or other PoE-enabled devices (max output 58 watts)
- Simplify PoE device installation, (IP cameras, VoIP devices, wireless APs)

Features
- 4 port Gb PoE+ switch w/ uplink - 58W total power budget
- Durable metal case
- Fanless for silent operation
- Includes keyhole features for surface mounting options
- Three-year limited warranty

5 Port GB MULTI-MOUNT Switch

SW-100-05PD

The SW-100-05PD is a 5 port PoE+ powered switch that is powered from a PoE+ switch or injector powered uplink and provides an additional four ports of Gb Ethernet connectivity. One of the Gb Ethernet ports allows the powering of a PoE 802.11af device (pass through port) such as a camera, control system interface, or AV over IP receiver. The durable metal enclosure includes detachable wing brackets for mounting and attachable magnet feet for easy mounting to metal surfaces.

- Connect up to four devices to the network without having to be plugged into a wall outlet
- Install into a wide range of environments

Features
- 5 port PoE+ powered unmanaged Gb switch with PoE pass through
- 1 port PoE+ powered (PoE PD) Gb ethernet port (30 watts required)
- 1 port capable of powering a PoE/802.11af device (15 watts maximum)
- Durable metal case
- Multiple mounting options
- Three-year limited warranty

8 Port GB POE+ Switch

SW-100-08P

The SW-100-05PD is a 5 port PoE+ powered switch that is powered from a PoE+ switch or injector powered uplink and provides an additional four ports of Gb Ethernet connectivity. One of the Gb Ethernet ports allows the powering of a PoE 802.11af device (pass through port) such as a camera, control system interface, or AV over IP receiver. The durable metal enclosure includes detachable wing brackets for mounting and attachable magnet feet for easy mounting to metal surfaces.

- Connect up to four devices to the network without having to be plugged into a wall outlet
- Install into a wide range of environments

Features
- 8 port Gb PoE+ switch w/ uplink - 92W total power budget
- Durable compact metal case
- Fanless for silent operation
- Includes keyhole features for surface mounting options
- Three-year limited warranty

LUXUL // PRODUCT RANGE

www.avation.com.au

avation

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AV POE SWITCHES

Part Number	SW-610-24P-R	AMS-2624P	AMS-1816P	AMS-1208P
Type	Managed: L2/L3	Managed: L2/L3	Managed: L2/L3	Managed: L2/L3
Port Speed	Gigabit	Gigabit	Gigabit	Gigabit
Mounting	Rack	Rack	Rack	Rack
Fan	Low Noise Variable Speed	Low Noise Variable Speed	Low Noise Variable Speed	Fanless
PoE Power Budget	370 Watts	250 Watts	185 Watts	130 Watts
Blue/Green Switchable LEDs	Yes	Yes	Yes	Yes
Stacking	Yes up to 40Gbps	No	No	No
PoE	PoE+ up to 30 Watts	PoE+ up to 30 Watts	PoE+ up to 30 Watts	PoE+ up to 30 Watts
Ports	24 Gigabit PoE and 4 10-Gigabit SFP+	24 Gigabit 24 PoE with 2 Gigabit uplink with 2 shared SFP	16 PoE 2 Gigabit and 2 Gigabit SFP	8 PoE 2 Gigabit and 2 Gigabit SFP

POE SWITCHES

Part Number	SW-610-48P-F	SW-510-48P-F	XMS-2624P	XMS-1208P
Type	Managed: L2/L3	Managed: L2/L3	Managed: L2/L3	Managed: L2/L3
Port Speed	Gigabit	Gigabit	Gigabit	Gigabit
Mounting	Rack	Rack	Rack	Rack
Fan	Low Noise Blowers	Low Noise Blowers	Low Noise	Fanless
Stacking	Yes up to 40Gbps	Yes up to 4Gbps	No	No
PoE	PoE+ up to 30 Watts	PoE+ up to 30 Watts	PoE+ up to 30 Watts	PoE+ up to 30 Watts
PoE Power Budget	740 Watts	740 Watts	370 Watts	130 Watts
Ports	48 PoE+ 4 10- Gigabit SFP +	48 PoE+ 4 Gigabit SFP	24 PoE+ 2 Gigabit/SFP combo	8 PoE 2 Gigabit and 2 Gigabit SFP

AV SWITCHES

Part Number	AGS-1024	AGS-1016	AGS-1008M
Type	Unmanaged	Unmanaged	Unmanaged
Port Speed	1Gbps	1Gbps	1Gbps
Mounting	Rack	Rack	Magnet
Fan	Fanless	Fanless	Fanless
Blue/Green Switchable LEDs	Yes	Yes	No
Ports	24 Gigabit	16 Gigabit	8 Gigabit

SWITCHES

Part Number	XGS-1005	XGS-1008
Type	Unmanaged	Unmanaged
Port Speed	Gigabit	Gigabit
Mounting	Desktop	Desktop
Fan	Fanless	Fanless
Ports	5 Gigabit	8 Gigabit

Luxul ProWatch
FREE Cloud Management Solution

Luxul's new ProWatch cloud management solution allows integrators to remotely monitor and manage every device on their clients' networks, getting real-time notifications of status and quickly resolving issues. With cloud management, integrators can access their customers' Luxul networks and connected devices at any time — from anywhere — in map or list views via an intuitive web interface. Site-level indicators provide the online/offline status of connected devices and the availability of firmware updates, while customisable alerts notify integrators of issues via text or email. ProWatch will be available March 2020.

The Best Choice for Your Smart Home Network

With the dramatic increase in everyday connected devices, having a powerful network that manages the flow of audio, video, and data has become critical. With that in mind, Luxul:

- Is engineered specifically to support smart home technology networks that smoothly stream video for entertainment and security; audio for pitch-perfect sound; and accurate data for thermostats, shades, and lighting control.
- Is built for professional installers who know how to configure and optimise networks.
- Provides a network that can handle the everyday demand on bandwidth and is built with the horsepower to run today's technology and beyond.
- Wireless coverage everywhere you need it, with the ability to seamlessly move your device between Access Points without dropping off the network.

Warranty

Luxul offers free software updates plus a three-year hardware warranty on all Luxul network products when the network components are purchased from and installed by an Authorised Luxul Dealer.

Protection for your children while they use the Internet

Keep Your Children Safe

Take control of screen time, and safeguard your children against harmful content with Router Limits. Our children are becoming more and more connected to the Internet, which can pose a danger to them. Using Router Limits allows you to determine how much screen time your child has while governing what content comes into your home and what doesn't.

Manage Screen Time

Set Internet access schedules that fit the needs of each person. For example, filter social media for employees during the workday, or shut off the kids' access to the Internet completely during dinner and at bedtime.

Filter Content

An extensive library of filters include categories like Games, Social Media, and Offensive Content, as well as popular sites and apps like Facebook, Netflix, and Snapchat. Filters can be customised to your exact needs.

Track Browsing History

View web use and browsing history data right at your fingertips. Now you can see what's happening on your network, even when you're not there.
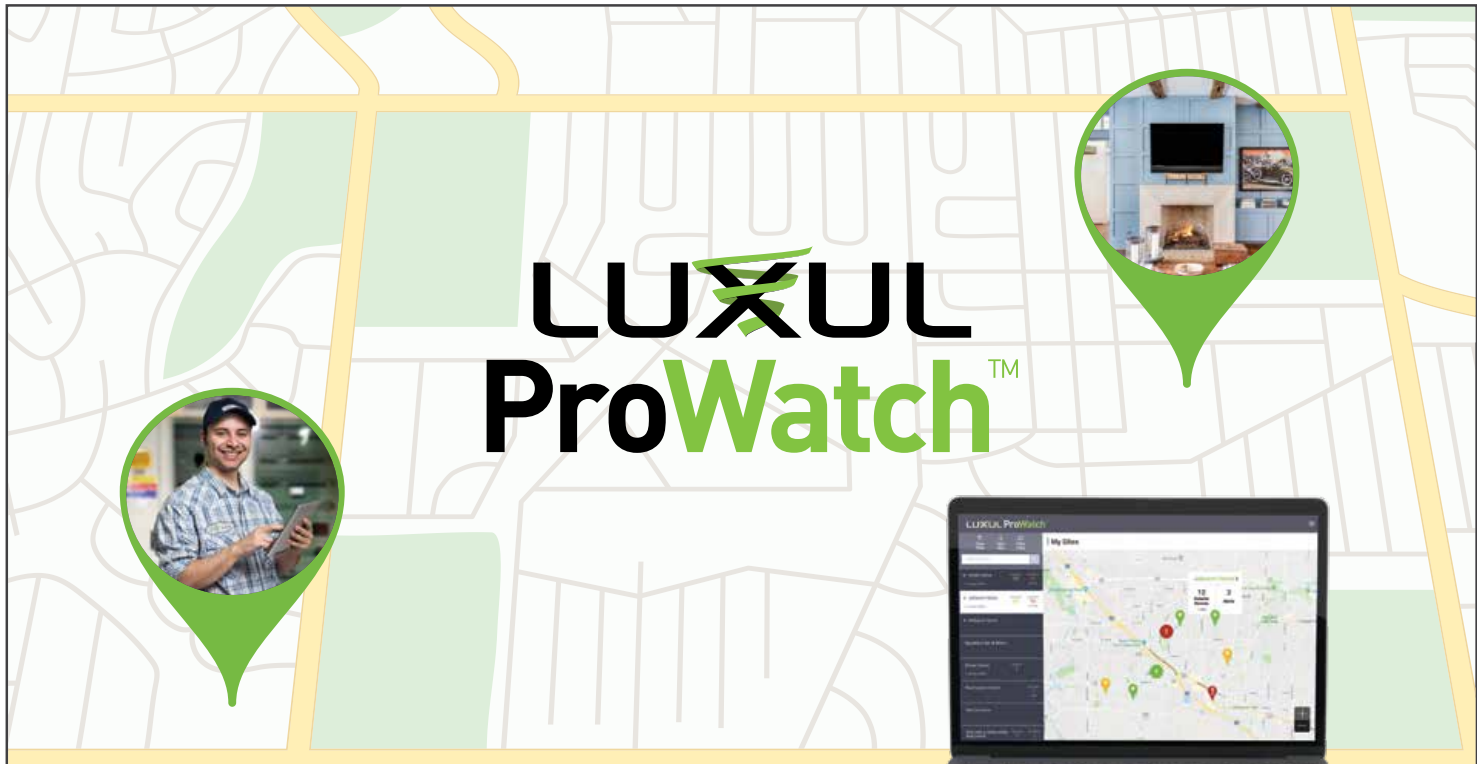
Residence Example – Case Number 0001 – V1

Main Floor Plan
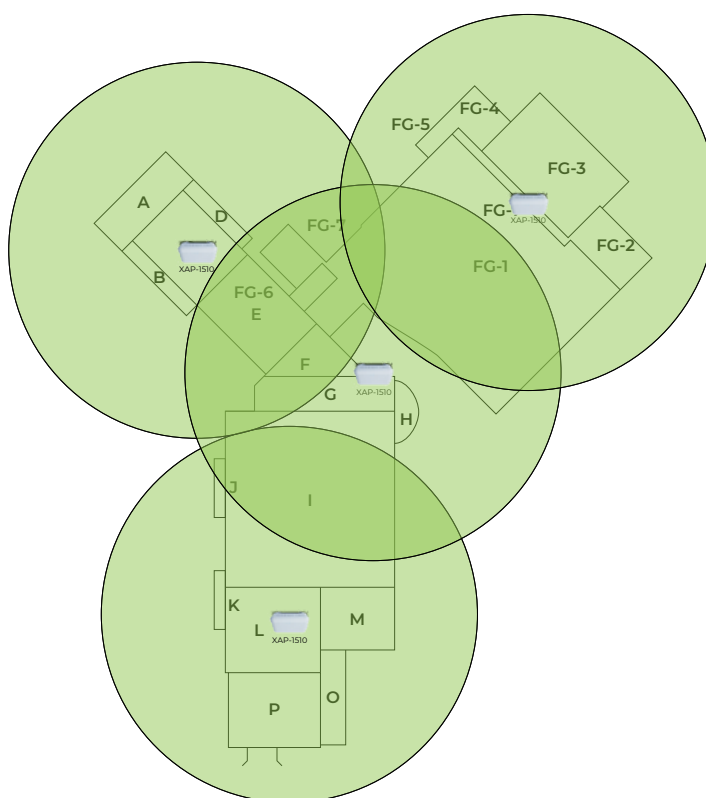
LUXUL PROWATCH IS HERE!

Your clients' networks host more connected devices than ever before, and their expectations for them all to work seamlessly are higher than ever. With Luxul ProWatch, monitor and manage every device on the network to proactively respond to issues while avoiding truck rolls for simple system management tasks.

Remotely...
Monitor | Manage | Troubleshoot

Cloud Management Solution

Your clients' networks host more connected devices than ever before, and their expectations for them all to work seamlessly are higher than ever. With Luxul , monitor and manage every device on the network to proactively respond to issues while avoiding truck rolls for simple system management tasks.

With the following features, enjoy peace of mind knowing your clients' systems will be accessible at any time from anywhere:

• Receive notifications when devices fall offline
• Perform firmware updates on select Luxul routers and access points
• Customisable alerts
• Site-level status indicators for offline devices and firmware updates
• Access sites in map or list views
• Configure devices remotely via web user interfaces
• Remotely power cycle PDUs and PoE switches

GUDE

Power and monitoring solutions for demanding AV, IT and KVM professionals and data center operators. Developed and produced in Germany for over 30 years

GERMAN POWER MONITORING SOLUTIONS FOR AV

8-Fold Switched PDU for Increase in Operational Safety & Energy Efficiency in IT Networks
8031-1

- 8 ports, Event and schedule-controlled switching, Energy and residual current metering (RCM)
- 2 connectors for optional sensors, NTP function can be activated
- Integrated overvoltage protection (type 3), IPv6, SNMPv3, SSL, Telnet, Radius, Modbus TCP
- Load outlets: 8x IEC C13
- Dimensions (H×W×D): 44 × 439 × 178 mm

12-Fold Switched PDU for Increase in Operational Safety & Energy Efficiency in IT Networks
8041-1

- 12 power ports, Energy and residual current metering (RCM), Event and schedule-controlled switching
- 2 connectors for optional sensors, NTP function can be activated
- Integrated overvoltage protection (type 3), IPv6, SNMPv3, SSL, Telnet, Radius, Modbus TCP
- Load outlets: 12 x IEC C13
- Dimensions (H×W×D): 44 × 439 × 178 mm

GERMAN POWER MONITORING SOLUTIONS FOR AV

12-Fold Switched & Outlet-Metered PDU for Increase in Operational Safety & Energy Efficiency in IT Networks
8045-1

- 12 power ports, vent and schedule-controlled switching, Energy metering per load outlet
- Residual current metering (RCM), 2 connectors for optional sensors
- Integrated overvoltage protection (type 3), IPv6, SNMPv3, SSL, Telnet, Radius, Modbus TCP
- Load Outlets: 12x IEC C13
- Dimensions (H×W×D): 44 × 439 × 178 mm

8-Fold Switched & Outlet-Metered PDU for Increase in Operational Safety & Energy Efficiency in IT Networks
8035-1

- 8 ports, Event and schedule-controlled switching, Energy metering per load outlet
- Residual current metering (RCM), 2 connectors for optional sensors
- Integrated overvoltage protection (type 3), IPv6, SNMPv3, SSL, Telnet, Radius, Modbus TCP
- Load Outlets: 8x IEC C13
- Dimensions (H×W×D): 44 × 439 × 178 mm

## Temperature/Humidity Sensor for Products with RJ45 Sensor Interface
7105

- Temperature and humidity sensor in one device, Sensor is automatically detected (plug-and-play)
- Length: 2.3 m, Compatible to devices with RJ45 sensor interface

SWITCHES ENGINEERED FOR AV OVER IP

NETGEAR's ProAV solutions are engineered specifically for AV over IP
with an unmatched ease of use, reliability, and cost savings that benefit
all networked AV solutions.
Please refer to Avation website for full range and pricing
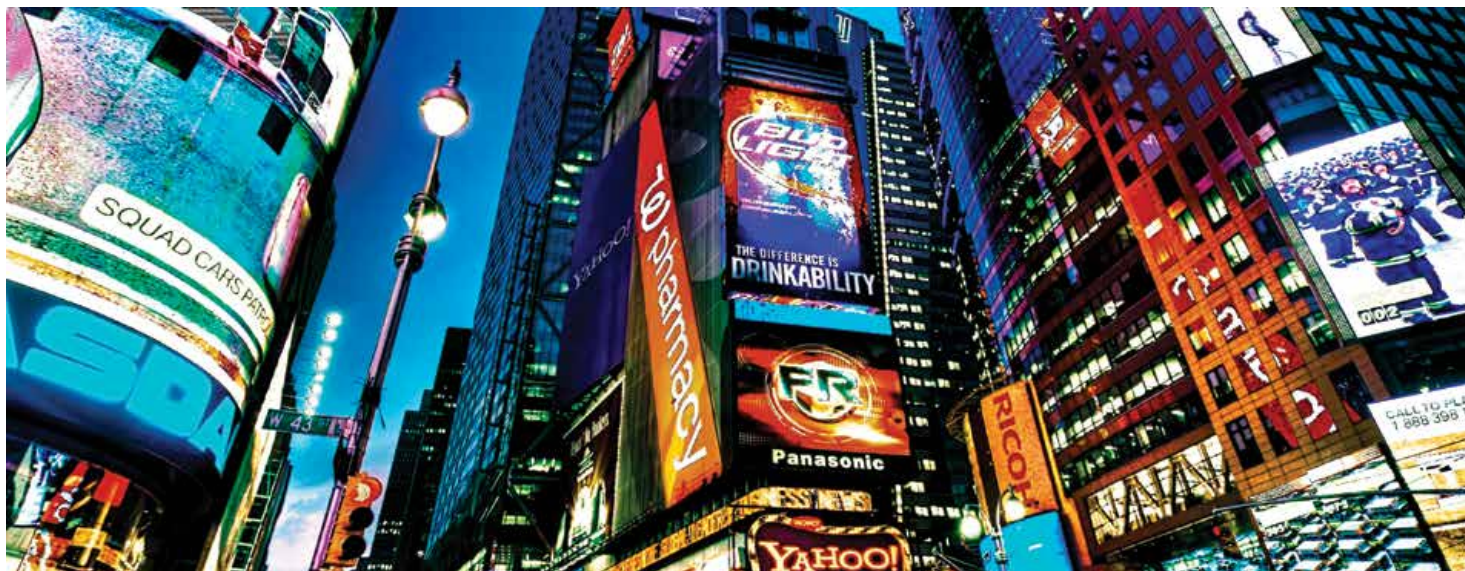
| Zero-touch install | Rapid deployment | High reliability | Easy expandability | Dedicated engineering services team | Next business day replacement |

Overview

NETGEAR's commitment to AV over IP includes a range of products and dedicated support services. Our M4250, M4300 and M4500 series of high-performance, flexible switches are engineered for AV over IP.

NETGEAR Business has led the way for 25 years by successfully enabling more than 50 million businesses worldwide. We stand behind our sales partners and their customers through our community and support systems.

The quality, reach, and value of our products and services is unmatched. NETGEAR Business means solutions that fit your needs and your budget. Our comprehensive portfolio of switches enables you to order exactly the combination of fiber or copper ports you need now with room to expand for the future. Providing the ability to connect any type of AV over IP device, NETGEAR switches offer you flexible speed options from 1 Gigabit up to 100 Gigabits per port!
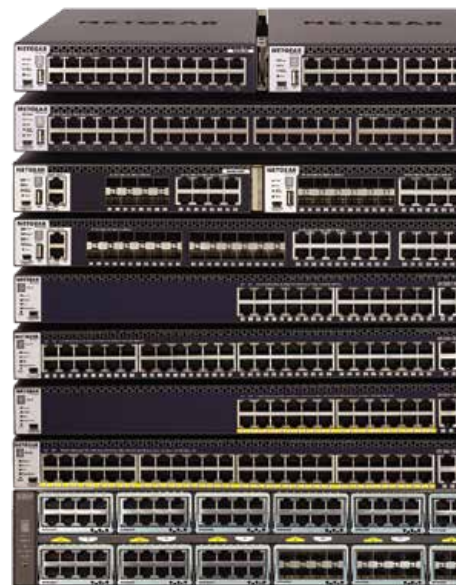
Applications

Video over IP

NETGEAR recognises the explosion of video over Ethernet and has specifically designed products for AV over IP installations. From NETGEAR IGMP Plus™, which allows out-of-the-box functionality for most all multicast installations, to modular switches accommodating copper, fiber, and HDMI inputs, we will work with you to find the right solution at the right price.

The AV GUI on the M4250 series switches uses pre-configured profiles for specific types of AV over IP, like NDI5, NVX, AMX, SDVoE and many more.

Audio over IP

The Pro AV world has adopted IP as their delivery method of choice and NETGEAR is here to help. Our switches provide a range of sizes and mounting methods to accommodate any install - from the university campus to touring road show.

If you are using Dante or AVB/Milan devices in your audio deployment, you can trust that NETGEAR's Pro AV switches are designed to seamlessly integrate into your solution. Easy to use, easy to manage.

Certified Partners

ATEN · AMX HARMAN · ARISTA · ALFATRON · Aurora · ATLONA a Panasonic company

biamp. · BirdDog · BOLIN TECHNOLOGY · BLACK BOX · BLUSTREAM · BROADATA COMMUNICATIONS, INC.

Canon · CHRISTIE · CRESTRON · CYP · CYP · DVIGEAR

EVERET IMAGING HOLLAND · evertz · Extron · IDK with your vision, Always. · Just Add Power · KanexPro

K AV BEYOND THE BOX · LIBERTY AV SOLUTIONS · LIGHTWARE visual engineering · Lumens We Make Your Job Easier · Marshall BROADCAST & PRO AV · MediaComm 美讯

MEGAPIXEL VISUAL REALITY · NDI · PureLink BEYOND 4K · QSC · RTI · SALRAYWORKS

SAVANT · SHURE SOUND EXTRAORDINARY · SIEMON · TERACUE · tvONE · VISIONARY SOLUTIONS NETWORK AV SOLUTIONS

VuWall · WyreStorm · zeevee Intelligent AV Distribution · ZIGEN

Netgear Supports the Pro AV ndustry through its alliances and partnerships with the following organisations:

AVNU · m1lan™ · PSNI GLOBAL ALLIANCE

SDVoE ALLIANCE · USAV A DIVISION OF PSA · VSF VIDEO SERVICES FORUM

Support & Design Services

NETGEAR offers free network design, product selection, and troubleshooting assistance from our AV-trained systems engineers. Our dedicated team spread around the world responds fast to ensure your deployment goes smoothly.

Simply send an email to: ProAVDesign@netgear.com to get started.

ProSUPPORT for Business

The NETGEAR ProSUPPORT for Business offerings provide you with peace of mind by extending and enhancing the standard warranty or support coverage included with your product purchase.

With ProSUPPORT, you get 24/7 direct access to NETGEAR technical support engineers who can rapidly resolve technical issues both big and small. Connect with the people that have built your products and build the relationship that will contribute to your business success.

Pro AV Technical Training

At NETGEAR, we believe in empowering you with the knowledge to succeed. Our free online Training Academy provides a wealth of resources to learn more about AV over IP and general networking.

And for those looking for CTS credits, some of our courses offer coveted AVIXA renewal credits.

Start learning today: www.netgear.academy

IC REALTIME

SECURITY SOLUTIONS FOR PROFESSIONALS

IC Realtime Products Are Professional Quality Equipment Made To Last

Established in 2006, IC Realtime has become a global innovator of video surveillance technology. We are a firm believer in that "How you do anything is how you do everything". And so every day, and in every way, we strive to be the standard by which others are measured.

As an industry leader, we have pioneered the introduction of the Cloud Video Recorder and the first in the surveillance camera sector to introduce a 360-degree X 360-degree device. IC Realtime is a strong supporter of the new UL2802 performance testing standard for camera image quality. Our customer base includes Distribution & Strategic Partnerships, Security & A\V channel dealers, Industry Alliances and buying groups.

Today, we are more than excited to introduce you (or in some cases, reintroduce you) to the company that put seeing in realtime on the horizon, IC Realtime!

10 Year Warranty

Reliability — Backed by an Industry Leading 10-Year Extended Warranty

Proprietary ICRealtime firmware and source code
3 layers of security protection
No Shareware
GSA Approved
Assembled and tested in the US before shipping

High Quality Materials to Deliver Outstanding Performance

Sony Image Sensors including CMOS, Starvis, Exmor and Exmor R
Tamaron Glass Optics
Seagate SkyHawk Hard Drive

Robust Dealer and Consumer Benefits

Lifetime Support from our U.S. Based center
Backward compatible with and without license systems
No License Fees
Full ownership upfront
No monthly subscription
Extensive Product Line for any level of simplicity or sophistication.
3rd party Integration and internal support Smart Home Applications
Forensic Level Recording
Protected Brand Pricing
Free DDNS Service
Marketing, Sales, and Design support

Exceptional Customer Service and Support. Free Lifetime Support for all Products

Free support for dealers and end-users for the lifetime of the product.
Field support scheduling available
Priority Queues for Dealers

World Class Design, Manufacturing, and Innovative Product Designs

Third-party verified for proper design and manufacturing
Unbiased assurance of safety
Performance testing and verification

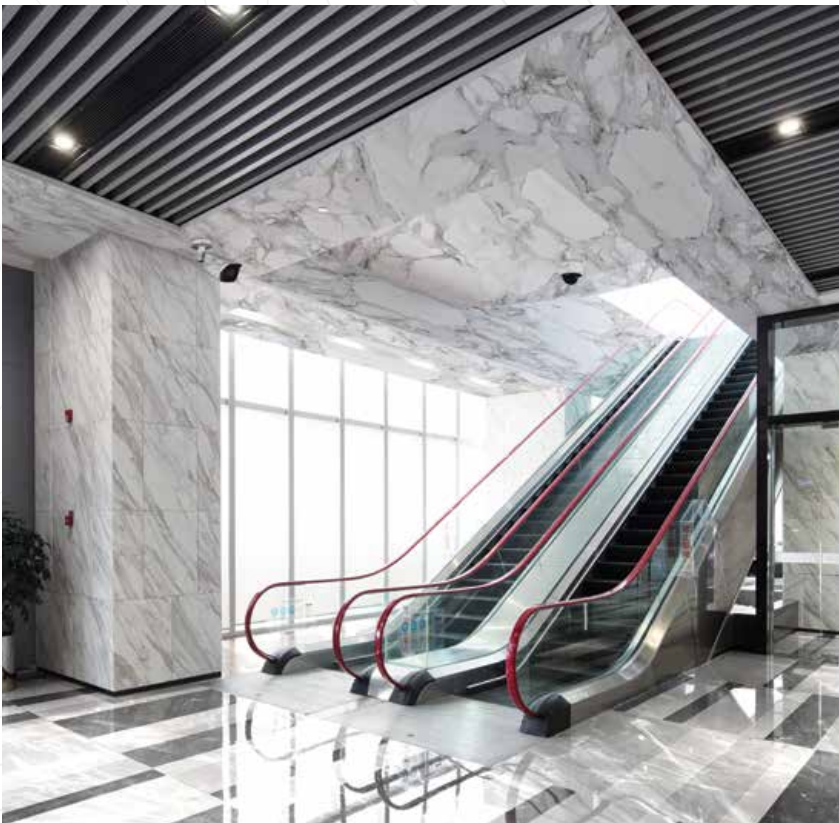# DESIGNER CAMERAS

Stand Out By Blending In

Let the IC Realtime security professionals customise your cameras and other products.

TAILOR MADE FOR EACH SITUATION

The Custom Advantage

For any professional that installs security and surveillance cameras as well as Architects and Designers. This level of custom "finishing touch" can be the attention to detail that helps win premium installation bids.

Cameras

DESIGNER CAMERAS

The Designer Line is a finish customisation process that can match, accent, or conceal video cameras and other visible accessories by matching them to their environment.

The Designer Line

Custom Tailored Cameras & Gear

Let the IC Realtime security professionals customise your cameras and other products. Cameras can be finished in any number of woodgrain, solid colours, and patterns with custom matching as an available option. The UV resistant coating also provides an extra layer of weather protection.

Bullet, turret, and dome camera housings are available right now with more to come. We can coat other products as well!

Let Us Design Your Project
Our Pro-Design Team can layout camera designs and help to eloquently compose job proposals.

Marble

1 Year Warranty
Security cameras come coated in a durable and protective finish protected by a 1 year warranty.

Stainless

Weather & UV Resistant
Works on outdoor cameras! Our coats come protected from UV rays, contaminants, scratches and more!

Carbon Fiber

Coat Anything
Our coats can be applied to almost any product. Send us your speakers, switches, remotes or anything!

Wood

Camo

BLACK CAMERAS

IC Realtime stocks cameras and . mounting hardware in Factory Black that virtually disappear against dark finishes or in lower ambient light for faster & more cost efficient installation in entertainment venues residential, retail, and food services locations.

Throw Away Your Spray Paint

IPEL-E80F-IRB2
8 MP IP Indoor/Outdoor Mid Size Eyeball Dome. Black Housing. Fixed 2.8mm lens. 98ft. Smart IR. IVS. Perimeter Protection. Intelligent Motion Detect. POE Capable. Built in Mic. H.265.

IPEL-B80F-IRB2
8 MP IP Indoor/Outdoor Small Size Bullet. Black Housing. Fixed 2.8mm lens (108°). 98ft Smart IR. Perimeter Protection. Intelligent Motion Detect. POE Capable. Built in Mic. H.265.

IPFX-D80V-IRB1
8 MP IP Indoor/Outdoor Mid Size Vandal Dome. Black Housing. Varifocal 2.7-12mm Motorised Lens (110°-40°). 164ft. Smart IR. Motion & Face detection. E-POE Capable. Built in Mic. H.265.

Mounts
The world's best Factory Black cameras deserve perfectly matching, custom fit mounts & junction boxes..

DASH PRODUCT FAMILY

With the Dash Cloud Service, all alerts & footage are encrypted and securely retained off-site for up to 30 days. The Dash app's easy to use playback feature makes reviewing historical footage as simple & easy as 1,2,3!

DINGER
WiFi Video Doorbell
- Super Wide Angle
- NVR Compatible
- Night Vision
- Works with Chimes
- 1080P FHD Video
- Two-Way Talk
- PIR Detection
- Retrofit

ORBIT (ORB)
360° Pan/Tilt Home Security WiFi Camera
- Autotracking
- Smart Monitoring with AI Human Detection
- Flexible Installation
- Private Mode
- Two-Way Talk
- 1080P FHD Video
- NVR Compatible

Guardian (GUARDI)
Fixed Home Security Camera
- Super Wide Angle
- Smart Monitoring with AI Human Detection
- Magnetic Base
- Small and Discreet
- Two-Way Talk
- 1080P FHD Video
- NVR Compatible

Flooder
WiFi Video Floodlight Camera
- Super Wide Angle
- 1080P FHD Video
- 2 Floodlights
- Two-Way Talk
- Active Deterence
- Multiple Lighting Modes
- NVR Compatible
- IP65 Weatherproof

DASH

Ready. Set. Wow!

Dash is a home surveillance solution reimagined to connect you to every corner of your home. Be the first to know, day or night, when something's not right.
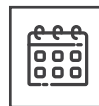
Cloud Security
128 bit AES encryption on footage & snapshots and 256 bit AES for personal data. Dash protects your privacy from all angles.

Instant Alerts
Create zones and set custom schedules to receive the alerts you really want.

Video History
Watch, share and export events effortlessly whether stored on the cloud or locally.

Stay Connected
Surround your home with smart security devices from the Dash product line.

EDGE SERIES

The line consists of an 8 channel NVR recorder with built-in POE and a great combination of 2-4MP bullet and dome IP cameras. Dealers can now compete with aggressive surveillance offerings and still maintain a 7 year warranty supported by a US based dealer and end user technical support.

IPEG-B20F-IRW | IPEG-B40F-IRW
IP Mini Bullet Camera with a 2.8mm fixed lens and true Day/Night viewing.

2MP   **4MP**

IPEG-B40V-IRW
IP Bullet Camera with a 2.7mm~12mm varifocal lens and true Day/Night viewing.

4MP

IPEG-E20F-IRW | IPEG-E40F-IRW
IP Turrent Style Camera with a 2.8mm fixed lens and true Day/Night viewing.

2MP   **4MP**

IPEG-D40V-IRW
IP Dome Camera with a 2.7mm~12mm varifocal lens and true Day/Night viewing.

4MP

IPEG-D20F-IRW | IPEG-D40F-IRW
IP Dome Camera with a Fixed 2.8mm lens and true Day/Night viewing.

2MP   **4MP**

NVR-208NS
8 Channel Lite 4K NVR with 80Mbps Incoming Max. HDD not included.

8CH

IP DOME CAMERAS

IC Realtime's line of IP Dome Cameras features top of the line surveillance cameras designed to survive harsh weather, vandals and more.

ICIP-D8123-IR
12MP 4K IP Indoor/Outdoor Full Size Vandal Dome. Varifocal 2.7-12mm Motorised Lens (102° - 44°). 131 Feet Smart IR. POE+ Capable. Intelligent Video Analysis (IVS).

IPFX-E20V-IRW
2MP IP Indoor/Outdoor Small Size Vandal Eyeball Dome. Varifocal 2.7-13.5mm Motorised Lens (108° - 28°). IVS, 131 Feet Smart IR. POE Capable. MicroSD 256GB. H.265. Built in Mic.

IPFX-E40V-IRW
4MP IP Indoor/Outdoor Small Size Vandal Eyeball Dome. Varifocal 2.7-13.5mm Motorised Lens (104° - 27°). IVS, 131 Feet Smart IR. POE Capable. MicroSD 256GB. H.265. Built in Mic.

IPFX-E80V-IRW
8MP IP Indoor/Outdoor Small Size Vandal Eyeball Dome. Varifocal 2.7-13.5mm Motorised Lens (113° - 31°). IVS, 164 Feet Smart IR. POE Capable. MicroSD 256GB. H.265. Built in Mic.

IPFX-D80V-IRW
8MP IP Indoor/Outdoor Mid Size Vandal Dome. Varifocal 2.7-12mm Motorised Lens (110° - 40°). 164 Feet Smart IR. POE Capable. AI (Advanced Intelligence) On-Board Analytics.

IPFX-D40V-IRW
4MP IP Indoor/Outdoor Mid Size Vandal Dome. Varifocal 2.7-13.5mm Motorised Lens (98° - 30°). IVS, 131 Feet Smart IR. POE Capable. MicroSD 128. H.265

IPMX-D20F-IRW1
2MP IP Indoor/Outdoor Small Size Vandal Dome. Fixed 2.8mm Lens (110°). 98 Feet IR. POE Capable (Tinted Dome). IVS. H.265

IP DOME CAMERAS

IPMX-D20F-W1
2MP IP Indoor Small Dome. Fixed 2.8mm Lens (110°). POE Capable. No IR, IVS, Face Detection, Built in Mic. 60fps. H.265

IPMX-D40F-IRW
4MP IP Indoor/Outdoor Small Size Vandal Dome. Fixed 2.8mm Lens (104°). 164 Feet Smart IR. Tinted Dome. POE Capable. AI (Advanced Intelligence) On-Board Analytics. H.265

IPMX-E40F-W1-LED
4MP IP Indoor/Outdoor Small Size Eyeball Dome. Fixed 2.8mm Lens (103°). 98 Feet Warm Light LED. POE Capable. Intelligent Motion Detection (IMD). H.265

IPMX-E20F-IRB
2MP IP Indoor/Outdoor Small Size Vandal Eyeball Dome. Fixed 2.8mm Lens (86°). 164 Feet IR. Built in Mic. POE Capable (Black Housing). H.265

IPMX-E40F-IRW-AI
4MP IP Indoor/Outdoor Small Size Eyeball Dome. iSniper+ 24/7 Colour. Fixed 2.8 Lens (113°). 131 Feet Smart IR. POE Capable. AI On-Board Analytics. Marine. H.265

IPMX-E40F-IRW
4MP IP Indoor/Outdoor Small Size Eyeball Dome. Fixed 2.8mm Lens (106°). 164 Feet Smart IR. Built in Mic. POE Capable. AI (Advanced Intelligence) On-Board Analytics. H.265

IPMX-E20F-IRW
2MP IP Indoor/Outdoor Small Size Vandal Eyeball Dome. Fixed 2.8mm Lens (86°). 164 Feet IR. Built in Mic. POE Capable. IVS, H.265 60fps.

IPEL-E80F-IRW
8MP 4K IP Indoor/Outdoor Mid Size Turret Style Dome. Fixed 2.8mm Lens (112°). 164 Feet Smart IR. POE Capable. AI (Advanced Intelligence) Analytics, FaceDetect, Built in Mic, H.265

IPEL-E80V-IRW
8MP IP Indoor/Outdoor Small Size Vandal Eyeball Dome. Varifocal 2.7-13.5mm Motorised Lens (113° - 31°). IVS, 164 Feet Smart IR. POE Capable. MicroSD 256GB. H.265. Built in Mic.

IPEL-D40V-IRW
4MP IP Indoor/Outdoor Full Size Vandal Dome. Varifocal 2.7-12mm Motorised Lens (100° - 33°). 150 Feet Smart IR. POE Capable. AI (Advanced Intelligence) Analytics, MicroSD 128, H.264

IP BULLET CAMERAS

IC Realtime's IP Bullet Cameras are designed for sleek,
powerful surveillance that can survive harsh weather.

IPFX-S20F-IRW
2MP IP Indoor Mini Pinhole. 2.8mm Lens. POE Capable. AI On-Board Analytics. H.265

IPFX-B40V-IRW
4MP IP Indoor/Outdoor Mid Size Bullet. Varifocal 2.7-13.5mm Motorised Lens (104° - 28°). IVS, 197 Feet Smart IR. Built in Mic. POE Capable. H.265

IPMX-B40F-IRW-AI
4MP IP AI Indoor/Outdoor Mid Size Bullet. iSniper+ 24/7 Colour. Fixed 2.8mm Lens (113°). 66 Feet IR. POE Capable. AI (Advanced Intelligence) On-Board Analytics. H.265

IPFX-B80V-IRW
8MP IP Indoor/Outdoor Mid Size Bullet. Varifocal 2.7-13.5mm Motorised Lens (113°-31°). IVS, 197 Feet Smart IR. Built in Mic. POE Capable. H.265

IPMX-B20F-IRB
2MP IP Indoor/Outdoor Small Size Bullet. Fixed 2.8mm Lens (106°). 164 Feet IR. POE Capable (Black Housing). H.265

IPMX-B20F-IRW
2MP IP Indoor/Outdoor Small Size Bullet. Fixed 2.8mm Lens (106°). 164 Feet IR. Built in Mic. POE Capable. AI (Advanced Intelligence) On-Board Analytics. H.265

IPMX-B40F-W1-LED
4MP IP AI Series Indoor/Outdoor Mid Size Bullet. Fixed 2.8mm Lens (103°). 98 Feet Warm Light LED. Built in Mic. POE Capable. Intelligent Motion Detection. H.265

IPEL-B12V-IRW
12MP 4K IP Indoor/Outdoor Full Size Bullet. Varifocal 2.7-12mm Motorised Lens (103° - 44°). 196 Feet Smart IR. POE + Capable. AI (Advanced Intelligence) On-Board Analytics. H.265

IPEL-B2012X-IRW
2MP IP Indoor/Outdoor Full Size Bullet. Varifocal 5.3 - 64mm Motorised Lens (59° - 34°). 492 Feet Smart IR. POE Capable. AI (Advanced Intelligence) On-Board Analytics. 60fps. H.265

IPEL-B40V-IRW
4MP IP Indoor/Outdoor Full Size Bullet. Varifocal 2.7-12mm Motorised Lens (100° - 33°). 150 Feet Smart IR. POE Capable. AI (Advanced Intelligence) On-Board Analytics.

IPEL-B80F-IRW
8MP IP Indoor/Outdoor Small Size Bullet. Fixed 2.8mm Lens (108°). 98 Feet Smart IR. PoE Capable. Ai (Advanced Intelligence) On-Board Analytics.

IP PTZ CAMERAS

IC Realtime's next generation PTZ Cameras offer ultra high performance and are designed for powerful surveillance that can survive harsh weather. Most are equipped with Advanced Intelligence Video Analytics.

IPEL-P2045X-IRW
2MP IP Full Size PTZ. 45X Optical Zoom. ISniper. 1804 Feet Smart Laser. Hi-POE Capable. AI (Advanced Intelligence) with Auto Object Tracking. (Goose neck Wall Mount Included). H.265

IPEL-P5030X-IRW
5MP IP Full Size PTZ. 30X Optical Zoom. 656 Feet Smart IR. Hi-POE Capable. AI (Advanced Intelligence) On-Board Analytics. (Wall Mount Included). H.265

IPEL-P8040X-IRW-AI
8MP IP Full Size 4K STARLIGHT PTZ. 40X Optical Zoom. 1640 Feet Smart IR. Hi-POE Capable. AI (Advanced Intelligence) On-Board Analytics. (Gooseneck Wall Mount Included). H.265

IPFX-P4030X-IRW1
4MP IP Mid Size PTZ. 30X Optical Zoom. 240 Feet Smart IR. POE + Capable. AI (Advanced Intelligence) On-Board Analytics. (Goose neck Wall Mount Included). H.265

IPEL-P2030X-IRS
2MP IP Full Size Anti-Corrosion PTZ. 30X Optical Zoom. ISniper. POE +. Basic Intelligence with Auto Object Tracking. (Wall Mount Included). Marine, 4.5-135mm, H.265

IPFX-P2030X-IRW
2MP IP Full Size PTZ. 30X Optical Zoom. 656 Feet Smart IR. AI (Advanced Intelligence) On-Board Analytics. (Gooseneck Wall Mount Included). H.265

ICIP-P2012S
2MP IP Mid Size PTZ. 12X Optical Zoom. POE + Capable. (Gooseneck Wall Mount Included). H.265

ICIP-P2012T
2MP IP Mid Size PTZ. 12X Optical Zoom. POE + Capable. (Flush Mount Included). H.265

IP 180° & 360° SPHERICAL CAMERAS & MULTI-LENS CAMERAS

It's no secret that there's a need for wide coverage options ranging from 180-degree to 360-degree angles. IC Realtime debuts their new multisensor camera which will address affordability, quality, and situational coverage - all in a tidy package.

The flexibility to capture wide area footage is immense - and with 4 adjustable 2MP lenses, the camera replaces multiple single sensor cameras.

The unit is ideal for monitoring wide open spaces, building corners, parking lots and intersecting hallways. IR synchronicity - which adjusts in sync with the position of each sensor, produces clear imagery in total darkness.

IPEL-M80V-IRW
4 x 2MP Multi Lens IP Dome. ISniper. 4 x 2.7 - 12 mm Motorised Lens (105° ~ 44°). 98 Feet of IR. POE+ Capable. AI (Advanced Intelligence) On-Board Analytics. H.265

IPEL-M40F-IRW
2 X 2MP Dual Lens IP Wedge Dome. ISniper. 2 X 2.8 Fixed Lenses (110°). 66 Feet of IR. Built-In Mic, POE Capable. AI (Advanced Intelligence). H.265

IPEL-MB80F-IRW
4x 2MP (8MP Total) IP Indoor/Outdoor 180° Panoramic Full Size Bullet. ISniper. 4x 2.8mm Fixed Lens (180°). 98 Feet Smart IR. POE+ Capable. AI (Advanced Intelligence). H.265

IPEL-M80F-IRW2
4x 2MP (8MP Total) IP 180° Panoramic Dome. 4x 2.8mm Fixed Lens (180°). 98 Feet Smart IR. POE Capable. H.265 (POWER SUPPLY NOT INCLUDED)

IPEL-F12F-IRW
12MP IP Indoor/Outdoor 360° Spherical Dome. 1.5mm Fisheye Lens (360°). 30 Feet IR. Built in Microphone. POE Capable. AI (Advanced Intelligence) On-Board Analytics. H.265

IPEL-F50F-W
5MP Indoor 360° Spherical Dome. 1.4mm Fisheye Lens (360°). Built in Microphone. POE Capable. H.265

THERMAL CAMERAS

IC Realtime's Thermal IP cameras offer dual lens solutions where thermal and visible video capture is desired. A perfect all-in-one indoor & outdoor solution monitoring in total darkness while retaining ability to confirm details.

In addition to built-in intelligent video analytics for detecting & analysing moving objects, these devices use uncooled VOx sensor technology that deliver consistant performance at a cost effective figure.

Bullet   THIP-B2078FL-IR
PTZ   THIP-P2078FM-IR

High Sensitivity

High thermal sensitivity makes cameras capture more image details and temperature difference information.

Fire Detection & Alarm

Because thermal cameras are sensitive to temperature, they have the ability to detect fire at long distances.

Smart Alarm Linkage

Ability to flash white lights, speak through the loudspeaker, and record snapshots when events are detected.

NETWORK RECORDERS

IC Realtime's line of Network Video Recorders (NVRs) offer power, flexibility and scalability. From small business to large corporations to the unique needs of law enforcement, our recorders offer top of the line performance.

NVR-EL128-4U12MP1
128 Channel 3U Rackmount Ultra 4K H.265 NVR. Up to 12MP IP Camera Support. 384Mbps Camera Throughput. Up to 160TB (No HDD Included).

Hard Drive Upgrades
Upgrade your recorder with additional surveillance grade recorder hard drives.

500GB SATA HDD	4TB SATA HDD
1TB SATA HDD	6TB SATA HDD
2TB SATA HDD	8TB SATA HDD
3TB SATA HDD	10TB SATA HDD

NVR-6016K
16 Channel 2U Rackmount 4K NVR. Integrated 16 Port POE Switch. Up to 12MP IP Camera Support. 320Mbps Camera Throughput. Up to 80TB (No HDD Included).

NVR-EL64-2U12MP1
64 Channel 2U Rackmount 4K NVR. Up to 12MP IP Camera Support. 384Mbps Camera Throughput. Up to 80TB (No HDD Included).

NVR-FX16POE-1U4K
16 Channel 1U Rackmount 4K NVR. Integrated 16 Port POE Switch. Up to 8MP IP Camera Support. 128Mbps Camera Throughput. Up to 16TB (No HDD Included).

NVR-EL32-2U12MP1
32 Channel 2U Rackmount 4K NVR. Up to 12MP IP Camera Support. 384Mbps Camera Throughput. Up to 80TB (No HDD Included).

NVR-FX08POE-1U4K
8 Channel 1U Rackmount 4K NVR. Integrated 8 Port POE Switch. Up to 8MP IP Camera Support. 128Mbps Camera Throughput. Up to 16TB (No HDD Included).

HDVR-MX1616-1U4K-AI
16 Channel 1U Shelfmount 4K NVR. Integrated 16 Port POE Switch. Up to 8MP IP Camera Support. 128Mbps Camera Throughput. Up to 20TB (No HDD Included).

THE PROFESSIONALS' CHOICE FOR DURABILITY AND RELIABLE PERFORMANCE.

"Your Security Is Our Business, No Matter What It Takes!"

HD-AVS DOME CAMERAS

IC Realtime's HD-AVS Dome Cameras feature best in class surveillance that performs exceptionally well in harsh weather conditions, offer vandal-proof options and more. Our proprietary technology allows for audio to be transmitted via a coaxial cable, so in most cases, additional cable is not required.

AVS-D8712SL-DP
8MP HD-AVS Indoor/Outdoor Mid Size Vandal Dome. iSniper. 3.7-11mm Motorised Lens (112° - 46°). 98 Feet Smart IR. Dual Voltage 12VDC/24VAC.

AVS-4KD8021-IR
8MP HD-AVS Indoor/Outdoor Mid Size Eyeball Dome. Fixed 2.8mm Lens (110°). 164 Feet Smart IR, Built-in MIC. 12VDC.

HDMX-E50V-IR-DPM1
5MP HD-AVS Indoor/Outdoor Mid Size Eyeball Dome. Varifocal 2.7-12mm Motorised Lens (98° - 26°). 197 Feet Smart IR. Dual Voltage 12VDC/24VAC. Built in Mic

HDMX-D50V-IR-DP1
5MP HD-AVS Indoor/Outdoor Mid Size Vandal Dome. Fixed 2.8mm Lens (100°). 90 Feet IR. 12VDC.

HD-AVS DOME CAMERAS

HDEG-D50F-IR1
5MP HD-AVS Indoor/Outdoor Mid Size Eyeball Dome. Fixed 2.8mm Lens (98°). 164 Feet Smart IR. Built-in Mic, 12VDC.

HDEG-E50F-IR-M1
5MP HDAVS Indoor/Outdoor Mid Size Eyeball Dome. Fixed 2.8mm Lens (98°). 164 Feet Smart IR. Built-in Mic, 12VDC.

ICR-300H4
2MP HD-AVS Indoor/Outdoor Mid Size Eyeball Dome. Varifocal 2.7-12mm Lens (99° - 37°). 180 Feet Smart IR. 12VDC. (Black Housing)

ICR-300H4W
2MP HDAVS Indoor/Outdoor Mid Size Eyeball Dome. Varifocal 2.7-12mm Lens (99° - 37°). 180 Feet Smart IR. 12VDC. (White Housing)

ICR-200H
2MP HD-AVS Indoor/Outdoor Mid Size Eyeball Dome. Fixed 2.8mm Lens (115°). 150 Feet Smart IR. 12VDC. (Black Housing)

ICR-200HW
2MP HDAVS Indoor/Outdoor Mid Size Eyeball Dome. Fixed 2.8mm Lens (115°). 150 Feet Smart IR. 12VDC. (White Housing)

ICR-PIR-IR
Covert Motion Detector AVS / Analog Camera W/3.7mm Lens - IR - 700TVL / 1080P

HD-AVS BULLET CAMERAS

IC Realtime's HD-AVS Bullet Cameras feature exceptional performance and are built to withstand harsh weather conditions. Most offer extended viewing in 0 lux and feature rich picture quality. Our proprietary technology allows for audio to be transmitted via coaxial cable so in most cases, addtional cable is not required.

AVS-B8712SL-DP
8MP HD-AVS Indoor/Outdoor Mid Size Bullet. iSniper. 3.7-11mm Motorised Lens (112° - 46°). 262 Feet Smart IR. Dual Voltage 12VDC/24VAC. Built in Mic

AVS-4KB8012-IR
8MP HD-AVS Indoor/Outdoor Mid Size Bullet. Fixed 2.8mm Lens (110°). 130 Feet Smart IR, Built in Mic. 12VDC.

HDEG-B50F-IR-M1
5MP HD-AVS Indoor/Outdoor Mid Size Bullet. Fixed 2.8mm Lens (79°). 130 Feet Smart IR. 12VDC. Built in Mic

HD-AVS PTZ CAMERAS

IC Realtime's HD-AVS PTZ Cameras offer next genreation ultra high performance and designed for powerful surveillance that can survive harsh weather. Equiped with dual voltage options and optics ranging from 12X to 30X powered zoom making them capable of distances up to 300ft.

HDEL-P2032X-IRW1
2MP HD-AVS Full Size PTZ. 32X Optical Zoom. 492 Feet Smart IR. 24VAC (Wall Mount Included).

HDFX-P2015X-W1-T
2MP HD-AVS Mid Size PTZ. 15X Optical Zoom, Starlight, 12VAC

WHAT IS DORI?

Detect, Observe, Recognise, Identify

DORI is a standard developed by the British Security Industry Association (BSIA) to define the level of detail a camera is capable of capturing. By using these PPM values, it is possible to select a specific camera sensor/lens combination and verify that it will provide the performance needed in each application.

Questions to Ask to Ensure the Best Technology is Used For Your Project:

1. What kind of camera are you using?
2. Where are you mounting the camera (first floor, second floor, rooftop etc)?
3. How far away from where the camera is mounted do you want to observe something and/or identity someone?
4. What will the lighting be in the location?

DORI Ratings

Ratings are expressed in Pixels Per Meter (PPM). The primary reference point used in most DORI explanations is a person's face. DORI ratings for each camera can be found on the ICRealtime website.

- Detection (25PPM)
- Observation (62PPM)
- Recognition (125PPM)
- Identification (250PPM)

Detection 25ppm

At the detection distance, an operator will be able to determine a human presence, although few details about that human will be visible

Observation 62ppm

At the observation distance, some characteristic details of the individual, such as distinctive clothing, can start to be seen.

Recognition 125ppm

At this distance, verify with a high degree of certainty whether an individual shown is the same as someone you know. License plates also become legible at this distance under good conditions.

Identification 250ppm

The ability to positively identify a person beyond reasonable doubt. This level of detail provides sufficient image quality to identify an individual or clearly read a license plate.

OSD®
BLACK
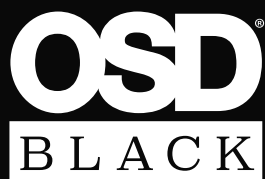
MEET OSD
BLACK

BLACK by Optimal Speaker Design is a range of premium quality flush-mount loudspeakers designed to serve discriminating homeowners and A/V integrators who demand the ultimate in aesthetic style and audio performance. BLACK products includes unique features and technologies that make them better looking, easier to install and more durable, while delivering lifelike sound quality more typically found in free-standing audiophile grade speakers.

There are BLACK models to fit every distributed audio and home theater application and space, offered in three performance levels: Acoustic, Performance and Reference. BLACK products are sold only through custom installation Audio Video specialist dealers in order to ensure proper system design, installation and total customer satisfaction.

THE OPTIMAL SPEAKER DESIGN HERITAGE

Businessman and lifelong audiophile Dave Chai, who was inspired to start a new audio company after he was frustrated in his search for high performance outdoor and built-in loudspeakers, formed OSD in 2003. Dave knew that by leveraging his close relationships with experienced audio engineering, product design and manufacturing resources he could bring better sounding, higher value audio products to the custom installation channel. The exceptional performance of BLACK products combined with Dave's dedication to real- time, person-to-person, expert technical support is a winning formula perfect for these times of change. BLACK SERIES is the ultimate expression of Dave's vision and dedication to better quality audio for all.

6" IN-CEILING SPEAKERS

R61
6.5 In-Ceiling Speakers with ½ Silk Soft Dome Tweeter (Pair)
- Woofer: 6.5" Polypropylene Butyl Rubber
- Tweeter: 1/2" Silk Soft Dome Pivoting, 6dB Crossover
- Frequency Response: 60Hz - 20kHz
- Power: 100W
- Sensitivity: 86dB
- Impedance: 8 Ohm
- Diameter & Depth: 236 × 100 mm

R62
**6.5 In-Ceiling Speakers with 1.0 Parachute Silk Dome Tweeter (Pair)**
- Woofer: 6.5" Graphite W/ Rubber Surround
- Tweeter: 1" Pivoting CatEye Parachute Silk Soft Dome
- Freq Response: 40Hz-20k
- Power Handling: 120 Watts
- Sensitivity: 87 dB
- Impedance: 8 Ohm
- Dimensions: 236.2 × 99.8 mm

R63
**6.5" In-Ceiling Speakers with 1.0" Aluminium Dome Tweeter (Pair)**
- Woofer: 6.5" Carbon Fiber W/ TPR Surround
- Tweeter: 1" Pivoting Ceramic Coated Aluminum Dome
- Freq Response: 38Hz-20k
- Power Handling: 150 Watts
- Sensitivity: 89 dB
- Impedance: 8 Ohm
- Dimensions: 236.2 × 99.8 mm
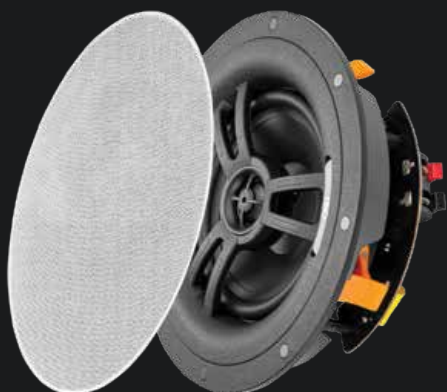
R61EZ
6.5" 2-Way In-Ceiling Speaker with Quick EZ Mounting System
- Power Handling: 100W Max
- Woofer: Polypropylene Cone
- Sensitivity: 88dB 1 w/1 m
- Tweeter: 1" Pivoting Soft Dome with Neodymium Magnet
- Freq Response: 60Hz - 20kHz
- EZ Mount System
- Perfect Edge™ Magnetic Grille
- Dimensions: 230 × 80 mm
- Cutout: 200 mm
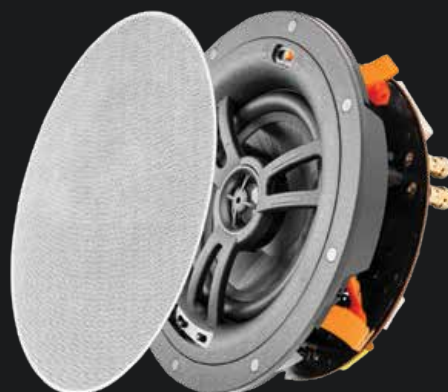
R62EZ
6.5" 2-Way In-Ceiling Speaker with Quick EZ Mounting System
- Power Handling: 120W Max
- Woofer: Injection PP Cone
- Tweeter: 1" cat eye silk dome tweeter with neodymium magnets
- Adjustable Contour Switches: Bass/Treble
- EZ Mount System, Perfect Edge™ Magnetic Grille
- Sensitivity: 89dB 1w/1m
- Second-order 12dB crossover network
- Dimensions: 230 × 80 mm
- Cutout: 200mm

8" IN-CEILING SPEAKERS

R81
8" Ceiling Speakers with 1/2" Silk Soft Dome Tweeter (Pair)
- Woofer: 8" Poly W/ Rubber Surround
- Tweeter: ½" Pivoting Silk Soft Dome
- Freq Response: 50Hz-22k
- Power Handling: 120 Watts
- Sensitivity: 91 dB
- Impedance: 8 Ohm
- Dimensions : 279.4 × 110 mm

R82
8" Ceiling Speakers with 1" Parachute Silk Dome Tweeter (Pair)
- Woofer: 8" Graphite W/ Rubber Surround
- Tweeter: 1" Pivoting CatEye Parachute Silk Soft Dome
- Freq Response: 38Hz-20k
- Power Handling: 150 Watts
- Sensitivity: 88 dB
- Impedance: 8 Ohm
- Dimensions: 279.4 × 110 mm

R83
8" Ceiling Speakers with 1" Aluminium Dome Tweeter (Pair)
- Woofer: 8" Carbon Fiber W/ TPR Surround
- Tweeter: 1" Pivoting Ceramic Coated Aluminum Dome
- Freq Response: 28Hz-22k
- Power Handling: 175 Watts
- Sensitivity: 91 dB
- Impedance: 8 Ohm
- Dimensions: 279.4 × 110 mm

10" IN-CEILING SPEAKERS

R10
10" Subwoofer w/ Long Excursion Graphite Woofer, 200W w/ Construction Bracket (Single)
- 10" Long Excursion Graphite Cone Woofer
- Passive Ceiling Subwoofer
- Power Handling: 200 Watts
- Freq Response: 30 - 120Hz
- Impedance: 4Ohm
- Sensitivity: 92dB 1W/1m
- Grille: Trimless Thin-Bezel held by Neo Magnets
- Dimensions: 340 × 165 mm
- Cutout Diameter: 302 mm

R103
10" Reference 3-Way In-Ceiling Speaker (Single)
- Woofer: 10" Carbon Fiber Cone
- Mid-range: 2" Aluminum Dome
- Tweeter: 1" Pivoting Titanium Dome
- Impedance: 8 ohm
- Sensitivity: 91 dB
- Freq: 24Hz -22kHz
- Dimensions: 358 × 157 mm
- Mounting depth: 157 mm
- Cutout Diameter: 314 mm

SUPER SHALLAOW

Designed and engineered for tight spaces without sacrificing sound quality. Our Shallow Mount Speakers are equipped with PERFORMANCE level components and are available in 8 & 6 inch models. With only a 2.12"/ 54mm mounting depth for the R62SS and 2.75"/ 70mm for the R82SM & R62SM, these feature rich speakers are sure to become the new "go to" in a tight spot.

R82SM
8" Weather-Resistant Shallow Mount In-Ceiling Speaker (Pair)
- Woofer: 8" PP Cone
- Tweeter: 1" PEI
- Freq Response: 70Hz-20k
- Power Handling: 100Watts
- Sensitivity: 88 dB
- Impedance: 8 Ohm
- Dimensions: 266.2 × 69.9 mm

R62SM
6.5" Weather-Resistant Shallow Mount In-Ceiling Speaker (Pair)
- Woofer: 6.5" PP Cone
- Tweeter: 1" PEI Dome
- Freq Response: 75Hz-22k
- Power Handling: 60 Watts
- Sensitivity: 86 dB
- Impedance: 8 Ohm
- Dimensions: 236.2 × 69.9 mm

R62SS
SUPER SHALLOW
WEATHER RESISTANT
ULTRA VERSATILE

Weather Resistant
Our shallow mount speakers are also weather resistant making them ultra versatile. They are perfect for outdoor patios, indoor pool/spa, bathrooms, commercial and nearly any other traditional or special speaker application.

R62SS
6.5" Super Shallow Mount Weather-Resistant In-Ceiling Speaker (Pair)
- Woofer: 6.5" Composite Glass
- Tweeter: 1" PEI Dome
- Freq Response: 55Hz-22k
- Power Handling: 100 Watts
- Sensitivity: 88 dB
- Impedance: 8 Ohm
- Dimensions: 236.2 × 53.9 mm

ANGLED IN-CEILING

R62A
6.5- 15° Angled In-Ceiling Speaker with 1.0 Parachute Silk Tweeter (Single)
- Speaker Type: 6.5"- 15 Angled In-Ceiling Speaker
- Woofer: 6.5" Angled Graphite w/Butyl Rubber Surround
- Tweeter: 1" Parachute Silk Dome Pivoting w/12dB Crossover and Contour Switch
- Frequency Response: 50Hz - 20kHz
- Power: 120W
- Sensitivity: 87dB
- Impedance: 8 Ohm
- Diameter & Depth: 249 × 120 mm
- Cutout Diameter: 210 mm

R63A
6.5" Reference 15° Angled In-Ceiling Speaker (Single)
- Woofer: 6.5" Carbon Fiber W/ TPR Surround
- Tweeter: 1" Pivoting Ceramic Coated Aluminum Dome
- Freq Response: 38Hz-20k
- Power Handling: 150 Watts
- Sensitivity: 89 dB
- Impedance: 8 Ohm
- Dimensions: 248.9 × 120 mm

R82A
8" Angled Ceiling Speaker Parachute Silk Tweeter (Single)
- Woofer: 8"- 15   Angled Poly w/Rubber Surround
- Tweeter: 1" Pivoting Cateye Parachute Silk Soft Dome w/12dB Crossover and Contour Switch
- Frequency Response: 45Hz - 20kHz
- Power: 150W
- Impedance: 8 Ohm
- Diameter & Depth: 295 × 130 mm
- Cutout Diameter: 254 mm

R83A
8" Angled Ceiling Speaker Carbon Fiber (Single)
- Woofer: 8" Graphite W/ Rubber Surround
- Tweeter: 1" Pivoting Ceramic Coated Aluminum Dome
- Freq Response: 28Hz-22k
- Power Handling: 175 Watts
- Sensitivity: 91 dB
- Impedance: 8 Ohm
- Dimensions: 279.4 × 137.2 mm
- Cutout Diameter: 254 mm

DUAL VOICE COIL IN-CEILING

R62DT
6.5" DVC In-Ceiling Speaker with 3/4th" Parachute Silk Dome Tweeters (Single)
- Woofer: 6.5" DVC Poly W/ Rubber Surround
- Tweeter: Dual ¾" CatEye Parachute Silk Soft Dome
- Freq Response: 40Hz-20k
- Power Handling: 120 Watts
- Sensitivity: 88 dB
- Impedance: 8 Ohm
- Dimensions: 236.2 × 99.8 mm

R82DT
8" Dual Tweeter Ceiling Speaker (Single)
- Woofer: 8" Graphite W/ Rubber Surround
- Tweeter: Dual ¾" CatEye Parachute Silk Soft Dome
- Freq Response: 45Hz-20k
- Power Handling: 150 Watts
- Sensitivity: 87 dB
- Impedance: 8 Ohm
- Dimensions: 279.4 × 110 mm

IN-WALL ARCHITECTURAL SPEAKERS

T61
6.5" In-Wall Speakers with a ½" Soild Soft Dome Tweeter (Pair)
- Woofer: 6.5" Poly W/ Rubber Surround
- Tweeter: ½" Pivoting Silk Soft Dome
- Freq Response: 65Hz-20k
- Power Handling: 100 Watts
- Sensitivity: 89 dB
- Impedance: 8 Ohm
- Dimensions (H×W×D): 315 × 229 × 92 mm

T62
6.5 In-Wall Speakers with a 1.0 Parachute Silk Crossover (Pair)
- Woofer: 6.5" Graphite W/ Rubber
- Surround
- Tweeter: 1" Pivoting CatEye Parachute
- Silk Soft Dome
- Freq Response: 55Hz-22k
- Power Handling: 120 Watts
- Sensitivity: 87 dB
- Impedance: 8 Ohm
- Dimensions (H×W×D): 315 × 229 × 92 mm

T82
8" In-Wall Speakers with 1" Parachute Silk Dome Tweeter (Pair)
- Woofer: 8" 2-Way Graphite Cone w/Butyl Rubber Surround
- Tweeter: 1" Parachute Silk Dome Pivoting w/12dB Crossover and Contour Switch
- Freq Response: 38Hz - 22kHz
- Power: 150 Watts
- Sensitivity: 88 dB
- Impedance: 8 Ohm
- Dimensions (H×W×D): 366 × 264 × 97 mm

T83
8" In-Wall Speakers with 1" Aluminium Dome Tweeter (Pair)
- Speaker Type: 8" 2-Way In-Wall Speaker
- Woofer: 8" 2-Way Carbon Fiber Cone w/TPR Surround
- Tweeter: 1" Ceramic Coated Aluminum Pivoting Dome Tweeter w/12dB Crossover and Contour Switch
- Frequency Response: 28Hz - 22kHz
- Power: 170W
- Sensitivity: 91dB
- Impedance: 8 Ohm
- Dimensions (H×W×D): 365 × 264 × 96 mm

3-WAY IN-WALL LCR SPEAKERS

T53LCR
5.25" In-Wall Center Channel with 1" Aluminium Dome Tweeter (Single)
- Woofer: Dual 5.25" Carbon Fiber W/ TPR
- Surround
- Tweeter: 1" Pivoting Ceramic Coated
- Aluminum Dome
- Freq Response: 38Hz-22k
- Power Handling: 150 Watts
- Sensitivity: 91 dB
- Impedance: 8 Ohm
- Dimensions (H×W×D): 404 × 208 × 80 mm

T64LCR
6.5 In-Wall 3-Way Dual Graphite LCR (Single)
- Power Handling: 80W
- Woofer: Dual 6.5" Graphite Cone Drivers
- TPR Surrounds
- Midrange: One 4" Paper Cone Driver
- Tweeter: One 1" Ceramic Coated Aluminum
- Cloth Magnetic Grille
- Sensitivity: 89 dB 1w/1m
- Frequency Response: 100Hz – 20kHz
- Impedance: 8 Ohm
- Dimensions (H×W×D): 750 × 325 × 105 mm

T65LCR
6.5" In-Wall 3-Way Dual Carbon LCR (Single)
- Power Handling: 100W
- Woofer: Dual 6.5" Carbon Fiber Cone Drivers
- TPR Surrounds
- Midrange: One 4" Paper Cone Driver
- Tweeter: One 1" Titanium Dome
- Cloth Magnetic Grille
- Sensitivity: 90 dB 1w/1m
- Frequency Response: 100Hz – 20kHz
- Impedance: 8 Ohm
- Dimensions (H×W×D): 750 × 325 × 105 mm

MONITOR ON-WALL/BOOK SHELF LCR SPEAKERS

S-81
Black Series 8" Single Woofer, Triple Tweeter Speaker (Single)
- 8" On-Wall Speaker
- Woofer: 8" Long Wood Fiber Inter-thread
- Double Compressed Cone
- Tweeter: Triple Array Silk Dome
- X-Over: 12db Second Order at 2400hz
- Gold Plated Speaker Terminals
- Cabinet: Front Inverted With High Transparent Grille
- Power Handling: 250W
- Sensitivity: 93dB 1w/1m
- Max SPL: 100dB
- Freq Response: 40Hz - 30kHz
- Impedance: 4 ohms

S-82
Black Series 8" Dual Woofer, Triple Tweeter Speaker (Single)
- 8" On-Wall Speaker
- Woofer: Dual 8" Long Wood Fiber Inter-thread
- Double Compressed Cone
- Tweeter: Double Array Silk Dome
- X-Over: 12db Second Order at 2500hz
- Gold Plated Speaker Terminals
- Cabinet: Front Inverted With High Transparent Grille
- Power Handling: 300W
- Sensitivity: 94dB 1w/1m
- Max SPL: 102dB
- Freq Response: 38Hz - 30kHz
- Impedance: 4 ohms

S-84
Black Series 8" Single Woofer, Ribbon Tweeter Speaker (Single)
- 8" On-Wall Speaker
- Woofer: 8" Long Wood Fiber Inter-thread
- Double Compressed Cone
- Tweeter: AMT Ribbon Tweeter
- X-Over: 12db Second Order at 2400hz
- Gold Plated Speaker Terminals
- Cabinet: Front Inverted With High Transparent Grille
- Power Handling: 250W
- Sensitivity: 93dB 1w/1m
- Max SPL: 100dB
- Freq Response: 40Hz - 30kHz
- Impedance: 4 ohms

S-85
Black Series 8" Dual Woofer, Ribbon Tweeter Speaker (Single)
- 8" On-Wall Speaker
- Woofer: Dual 8" Long Wood Fiber Inter-thread
- Double Compressed Cone
- Midrange: 6.5" Long Wood Fiber
- Tweeter: AMT Ribbon Tweeter
- X-Over: 12db Second Order at 2500hz
- Cabinet: Front Inverted With High Transparent Grille
- Gold Plated Speaker Terminals
- Power Handling: 300W
- Sensitivity: 94dB 1w/1m
- Max SPL: 102dB
- Freq Response: 36Hz - 30kHz
- Impedance: 4 ohms

MONITOR ON-WALL/BOOK SHELF LCR SPEAKERS

8" Studio Monitor
S-8T

- 8" Studio Monitor / Tri-Pole Speaker
- Woofer: 8" Long Wood Fiber Inter-thread
- Double Compressed Cone
- Tweeter: 3 Silk Dome
- X-Over: 12db Second Order at 2500hz
- Power Handling: 250W
- Sensitivity: 90 dB 1w/1m
- Max SPL: 111 dB
- Freq Response: 40Hz - 30kHz
- Gold Plated Speaker Terminals
- Dimensions (H×W×D): 378 × 414 × 124 mm

8" Single Woofer On-Wall HT Speaker
COMING SOON
S80-MK2

- 8" Surround BookShelf Speaker w. Tri Directional Tweeters

S81-MK2
8" Single Woofer Triple Tweeter On-Wall HT Speaker

- 8" Home Theater/On-Wall Speaker
- Woofer: 8" Long Wood Fiber Inter-thread
- Double Compressed Cone
- Tweeter: Triple Tweeter Array Silk Dome
- X-Over: 12db Second Order at 2200hz
- Sensitivity: 91dB 1w/1m
- Max SPL: 112dB
- Freq Response: 70Hz - 22kHz (Measured On-Wall) +/- 3dB and 45Hz -10dB
- Impedance: 4 ohms

S82-MK2
8" Dual Woofer Triple Tweeter On-Wall HT Speaker

- 8" Home Theater / On-Wall Speaker
- Woofer: Dual 8" Long Wood Fiber Inter-thread
- Double Compressed Cone
- Tweeter: Triple Tweeter Array Silk Dome
- X-Over: 12db Second Order at 2200hz
- Gold Plated Speaker Terminals - 5-way binding posts
- Power Handling: 200W
- Sensitivity: 92dB 1w/1m
- Max SPL: 116 dB
- Freq Response: 70Hz - 22kHz (Measured On-Wall)
- Impedance: 4 ohms

SUBWOOFERS
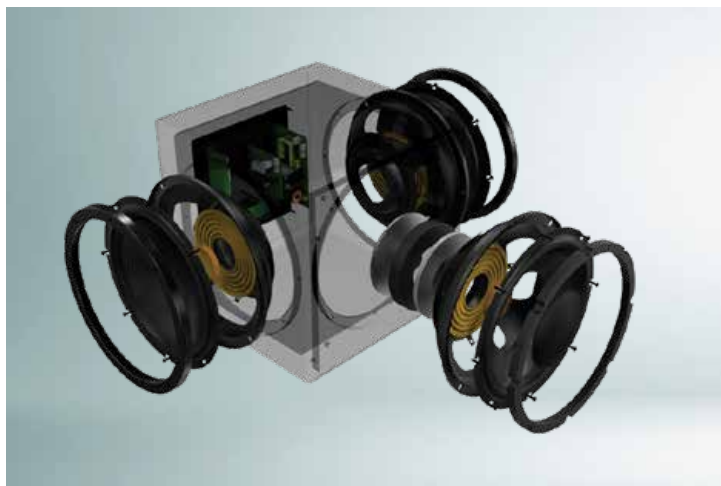
Rich Deep Sound

When you want incredible sound in your home, and an in-wall subwoofer is too invasive, your best choice is a stand-alone powered subwoofer speaker. Our selection of powered subwoofers will give you the rich, deep sound you want without the high cost of overpriced brands. You'll be able to use these subwoofers with virtually any home audio system, and do not require a separate amplifier. A subwoofer will ensure the clarity and detail of your favorite music comes through on each and every track. These subwoofers are an easy and affordable way to add gut-wrenching bass to home theaters, media rooms and gaming spaces.

TREVOCE8 DSP

Triple 8" Powered 300W Subwoofer
without Wireless DSP Control and 24K Gold-Plated Inputs

- Speaker Type: 8" Free-Standing Active Subwoofer with wireless DSP
- Active Woofer: 8"
- Passive Woofer: Dual 8"
- Frequency Response: 20Hz-160Hz
- Power Handling: 300 Watts
- Impedance: 4 Ohms
- Phase 0-180°
- Voltage 100-120V AC / 220-240V
- Inputs Hi Level / Low Level
- Dimensions (H×W×D): 305 × 332 × 305 mm

TREVOCE10 DSP

Triple 10" Dynamic Powered Subwoofer
with 500W of Power and 24K Gold-Plated Inputs

- Speaker Type: 10" Free-Standing Front Firing Subwoofer
- Active Woofer: 10" Graphite Paper Cone
- Passive Dual: Two 10" Glass Fiber Cone
- Frequency Response: 20Hz-160Hz
- Power Handling: 500W
- Impedance: 4 Ohms
- Phase 0-180°
- Inputs Hi Level / Low Level
- Voltage 100-120V AC / 220-240V
- Dimensions (H×W×D): 371 × 371 × 330 mm

TREVOCE12

Triple 12" Dynamic Powered Subwoofer
with 800W of Power and 24K Gold-Plated Inputs

- Speaker Type: 12" Free-Standing Active Subwoofer
- Active Woofer: 12"
- Passive Woofer: Dual 12"
- Frequency Response: 20Hz-160Hz
- Power Handling: 800W
- Impedance: 4 Ohms
- Phase 0-180°
- Voltage 100-120V AC / 220-240V
- Inputs Hi Level / Low Level
- Dimensions (H×W×D): 407 × 391 × 381 mm

BK-TREVOCE-15EQ DSP

Triple 15" Subwoofer Native EQ App Control DSP Room Connection

- Power 1500W Dynamic
- Active Woofer: 15" Graphite Paper Cone
- Passive Woofer: Dual 15" Glass Fiber Cone
- Frequency 16 (-3dB) -160 Hz
- Phase 0-180
- Voltage 100-120V AC / 220-240V AC
- Inputs Hi Level / Low Level / LFE
- Dimensions (H×W×D): 19.3 × 19.3 × 19.3 in

SUBWOOFER ELECTRONICS

"OSD Black Trevoce 12"
Sub oozes with value"
– Robert Archer, CEPro

SC800D
Black Series 300W 8" In-Wall Subwoofer
- Custom IN-Wall Subwoofer
- Power Handling: 300W
- Woofer: 8" 8 Ohm
- Passive Radiator: 10"
- Tuned Enclosure
- Frequency Response: 40Hz - 500Hz
- Overall Dimensions (H×W×D):
  559 × 445 × 110 mm
- Cut Out Dimensions (H×W): 508 × 368 mm
- Mounting Depth: 100mm

SMP-100
100W Mono-Channel Class D Subwoofer Amplifier
- Peak Power Output: 80W RMS @ 8 ohm
- Peak Power Output: 100W RMS @ 4 ohm
- Automatic source switching
- Signal Sensing: Power On and Trigger Mode
- Frequency Response: 20Hz ~ 160Hz, +/-1dB
- Impedance: 8 ohm to 4 ohm stable
- Input Sensitivity: 200mV
- Input and Output Terminals: RCA input, speaker level in/out, trigger, sub out
- Crossover: 40-160Hz
- Dimensions (H×W×D): 143 × 46 × 121 mm

SAM300
300W Mono Subwoofer Amplifier
- This Black Series subwoofer amp gives passive subwoofers up to 300 watts of power
- Low-level, high-level, and LFE inputs
- Mono Class AB output stage for solid, well defined output
- Manual, auto, or triggered on/off modes for integration into any automated system
- Selectable bass boost; 25Hz to 50Hz up to 12dB Gain at selected point
- Rated Power Output: (1 % THD) 156 Watts RMS into 8 ohms, 233 Watts RMS into 4 ohms
- Signal to Noise Ratio: 85 dB A-weighted
- Input Impedance: 12K ohms, Bass Boost: 25 Hz –50 Hz
- Low Pass Adjustment: 40 Hz –180 Hz, Phase Adjustment: 0 –180

SMP-1000DSP
Class D Digital Subwoofer Amplifier w/ Digital Sound Processing
- Channels: 1
- Power Handling: 300W(RMS)/ 600W(MAX) Per Channel @ 8 Ohm
- Power Handling: 400W(RMS)/ 1000W(MAX) Per Channel @ 4 Ohm
- Adjustable Low Pass Crossover: 35Hz- 180Hz / 0.5 Hz Increments
- Impedance: 8 Ohm and 4 Ohm Stable
- Signal to Noise Ratio: 95 dB
- 12V Trigger Mode
- Inputs: Speaker (High) Level / Signal (Low) Level RCA
- Outputs: Speaker (High) Level / Signal (low) Level RCA

OUTDOOR SPEAKER

Round out your whole house system with great outdoor sound from OSD's Black Series. The P-83 is a powerful outdoor speaker that delivers full-range audio in an all-weather design so you can enjoy high fidelity sound out on the patio, deck or backyard. This durable outdoor patio speaker is rated at 150W with plenty of power to spare to crank up the tunes without distortion at high volumes. Designed for outdoor conditions with weather-resistant components, sturdy ABS polymer enclosure and rust-resistant

grille, the P-83 serves up rich and fulfilling bass with an 8" injected polypropylene woofer as well as crisp highs with a 1" titanium dome tweeter. Frequency response ranges from 40Hz - 20kH, so you'll experience a full-range of accurate sound that will truly enhance the listening enjoyment at your next party or BBQ. The P83 is easy to install and is ideal for patios and decks up to 800 square feet. For the best protection, we recommend installing these speakers in a covered area such as beneath eaves and overhangs.

P83 Black & P83 White

P-83 All-Weather Outdoor 2-Way Patio Speaker (Pair)

- All-weather enclosure resists harsh weather conditions
- 8" injected polypropylene woofer for powerful low and mid frequencies
- 1" titanium dome tweeter for crisp and smooth high notes

- Includes 70V selector for commercial applications
- Rust-resistant aluminum grille
- Includes mounting hardware
- Paintable enclosure

PENDANT

FORZA-6S

Forza 6 Pendant Speaker Single Option

- Designed for distributed audio systems in home and commercial settings
- 2-way design that includes a 6.5" polypropylene woofer and 1" silk dome tweeter
- Wiring is hidden for an aesthetically pleasing installation
- the outer shell enclosure is built with an IP66-rated UV-resistant material
- suitable for both indoor and outdoor applications
- selector switch on the face of the loudspeaker for selectable 8 ohm or 70V/100V tap operation

PERFECT EDGE™

Aesthetics

You would never notice an installed OSD loudspeaker, that is until you hear it.

All architectural speakers feature ample Neodymium Magnets. The grills are low profile rust resistant white powder coated (paintable) Steel.

Magnetic edgeless installation, you would hardly know its there until its evoked emotion within you.

PERFECT EDGE™

BLACK in-wall and in-ceiling speakers perform a near miraculous disappearing act. Rather than a wide flange found on most built in speakers, BLACK speakers feature flange-free Perfect Edge™ magnetic grilles that minimise the visible footprint of the speaker for a clean, elegant and obtrusive appearance

NERO-MAX12

6x Zones 6x Source 80W Multi Room Amplifier iOS Android App Control
- Power: 8 Ohm - 40W x 2 per zone / 4 Ohm - 80W x 2 per zone
- Bridged: 8 Ohm - 120W per zone
- S/N: >85dB A WTD
- THD: >0.1%
- Freq Response: 20Hz-20KHz
- Input Impedance: >47 K Ohm
- Input Sensitivity: 250mv

NERO-MAX12KEYPAD

Multi Channel Amp KeyPad Kit + Remote Control, 6 Key Pads
- Six single gang keypads
- Compatible with Nero-MAX12 amplifier
- Numeric LED Display
- Built-In IR receiver per control keypad
- Source Select
- Control: Volume, Bass and Treble

NERO WSA

Wireless Subwoofer Transmitter/Receiver Kit
- 5.8 GHz operating frequency for reliable bass audio
- Upgraded chip set for reliability and a near-zero delay
- Audio Output Level: 2V, Latency: 16 ms
- Signal to Noise Ratio: >80dB
- Frequency Response: 18Hz-22KHz
- Kit Includes: Transmitter, Receiver, 2 DC Adapters, and mounting bracket

XMP500DSP

500W Bridgeable Class D Digital Stereo Power Amplifier w/ DSP & Priority Input
- Channels: 2; Speaker A, B or A&B Output
- Power Handling: 125W(RMS)/ 250W(MAX) Per Channel @ 8 Ohm
- Power Handling: 175W(RMS)/ 350W(MAX) Per Channel @ 4 Ohm
- Bridged Rating (Watts): 700W @ 8 Ohm
- Frequency Response: 10Hz-30kHz, -2dB/ +1dB
- Impedance: 8 Ohm and 4 Ohm Stable
- Channel Seperation: 65dB @ 1kHz, referred to 250W output into 8 ohms

XMP60

60W Class D Digital Stereo Compact Power Amplifier
- Power Handling: 25W(RMS)/ 50W(MAX) Per Channel @ 8 Ohm
- Power Handling: 45W(RMS)/ 90W(MAX) Per Channel @ 4 Ohm
- Bridged Rating (Watts): 90W @ 8 Ohm
- Frequency Response: 20Hz-20kHz, -2dB/ +1dB
- Impedance: 8 Ohm and 4 Ohm Stable
- Signal to Noise Ratio: 90 dB Below 25W Output into 8 Ohms
- Inputs: Two stereo audio inputs, 2 RCA inputs, and a 3.5mm jack

MULTI-ZONE STREAMING

OSD Black Streaming

For customers ready to expand their whole-house audio system and enjoy wireless music streaming services, but who don't want to compromise sound quality, our SRT models are a simple way to get it done. Connect to any existing home theater AV receivers or Hi-Fi systems and delivers 24-bit audiophile-level sound.

BK-SRT4

4-Zone Wi-Fi Smart Media Server for Commercial & Residential

The SRT4 is a 4-zone Multimedia Audio Streaming Server that has you covered for both commercial and residential clients who want to stream and control audio in homes, restaurants, offices, gyms, or retail spaces without making the penny pinchers flinch. This feature-rich wireless streaming pre-amplifier connects and delivers 24-bit audiophile-level sound quality from a music library, Spotify, Napster, iTunes or iHeartRadio and can be used with Alexa to play other music sources or internet radio—all easily controlled with the free OSD Play App for smartphones or tablets.

Technical Specifications

- HiFi 4-Zone Streaming Media Server
- App Control
- DAC: Cirrus Logic CS8406 24 Bit/192kHz DAC
- Wi-Fi Frequency: 2.4 GHz
- Inputs: Wi-Fi®, LAN, RCA, Optical
- Outputs: RCA, Optical
- Rack Mountable: 1U Rack Space Style / Mounts Included
- Dimensions (L×H×D): 432 × 45 × 150 mm
- Weight: 4 lbs
- Warranty: 2 Years

NERO VOX

Easy Upgrade Docking Station

The NERO Vox is a Custom In-Wall Docking Station with internal 20W Class D Power Amplifier created exclusively for the Echo Dot 3rd It provides a simple upgrade path for older VC or powered keypad (Abus) type systems that have stopped working or are simply outdated. Replace the VC's or keypads with our Nero Vox, add Echo Dots and use existing wiring to connect to the speakers and provide power. The speakers could also be upgraded as well. Using our Audio Input/Output and Power wall plate also allows you to add a subwoofer. This is a big retro fit opportunity. The Alexa app allows you to create groups and sync music easily and of-course gives customers voice control.

New construction: Provides builders with a low cost solution for multi-room audio. No centralised amps or controllers.
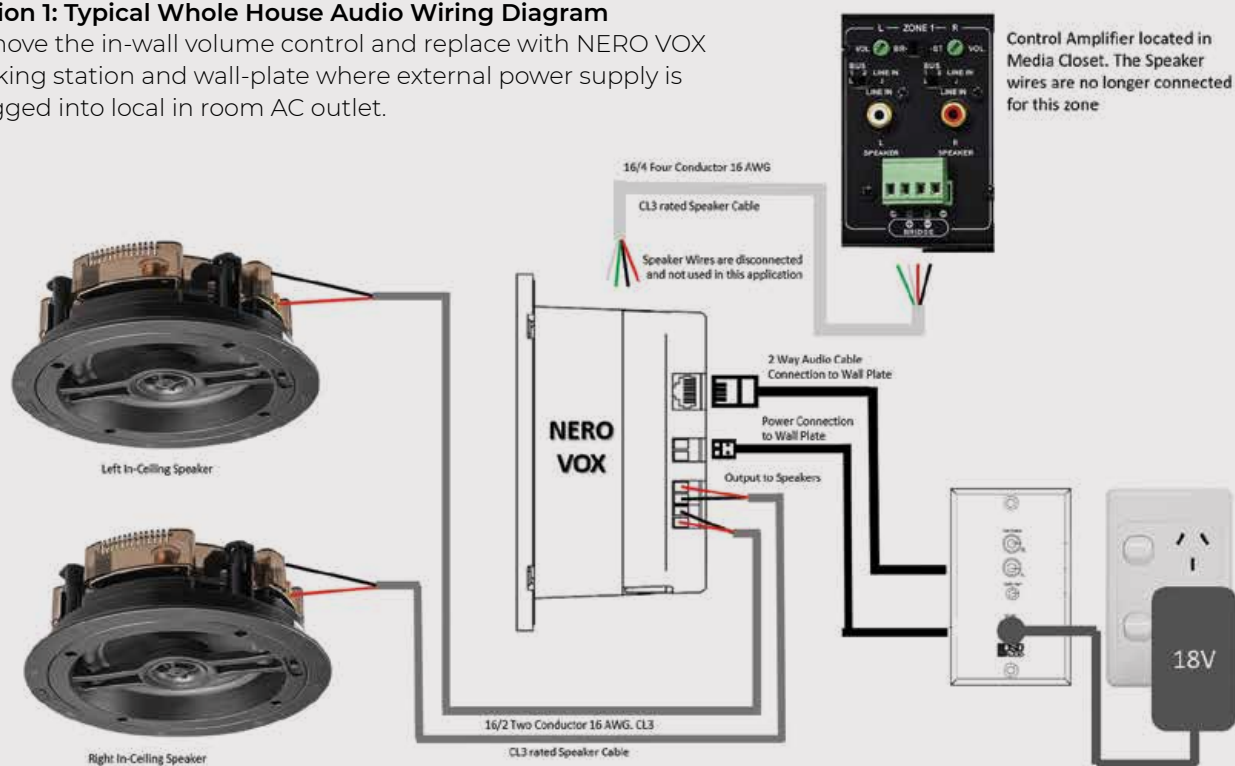
Installed alternative to a sound bar for improved TV sound. Install the Nero Vox next to a wall mounted TV, connect to TV to the audio input.

Typical whole house audio wiring diagram single zone, in-wall volume control and a pair of 8-ohm in-ceiling loudspeakers.
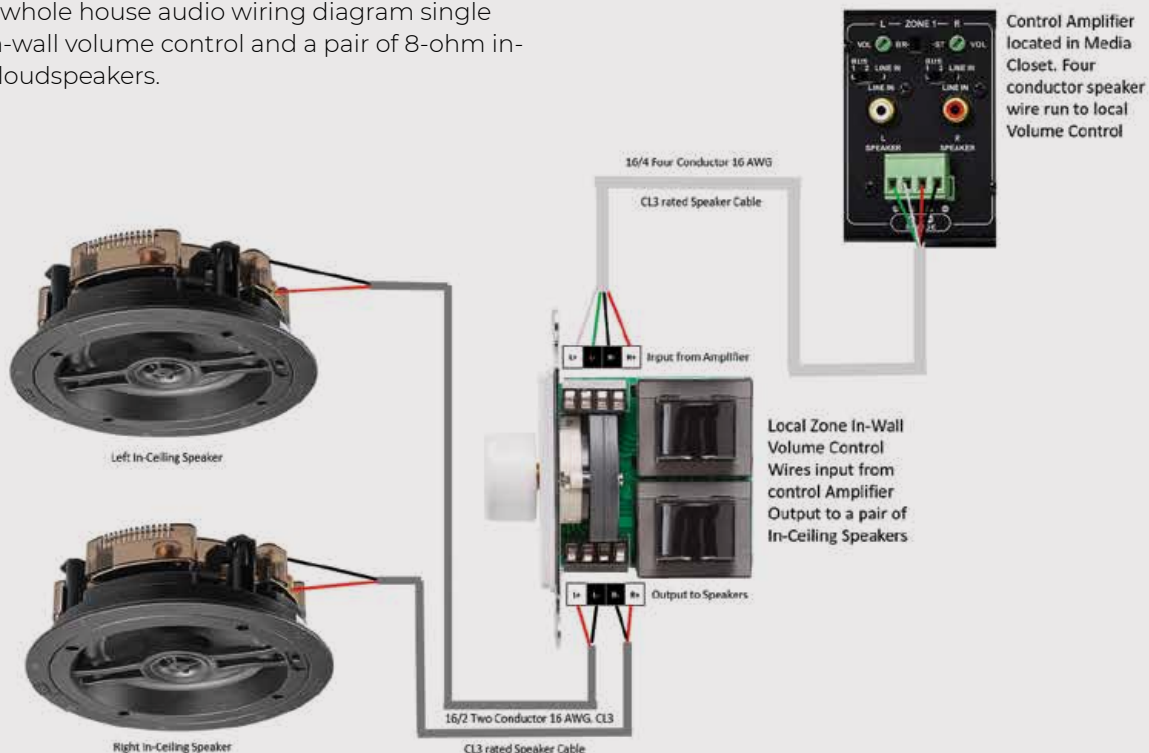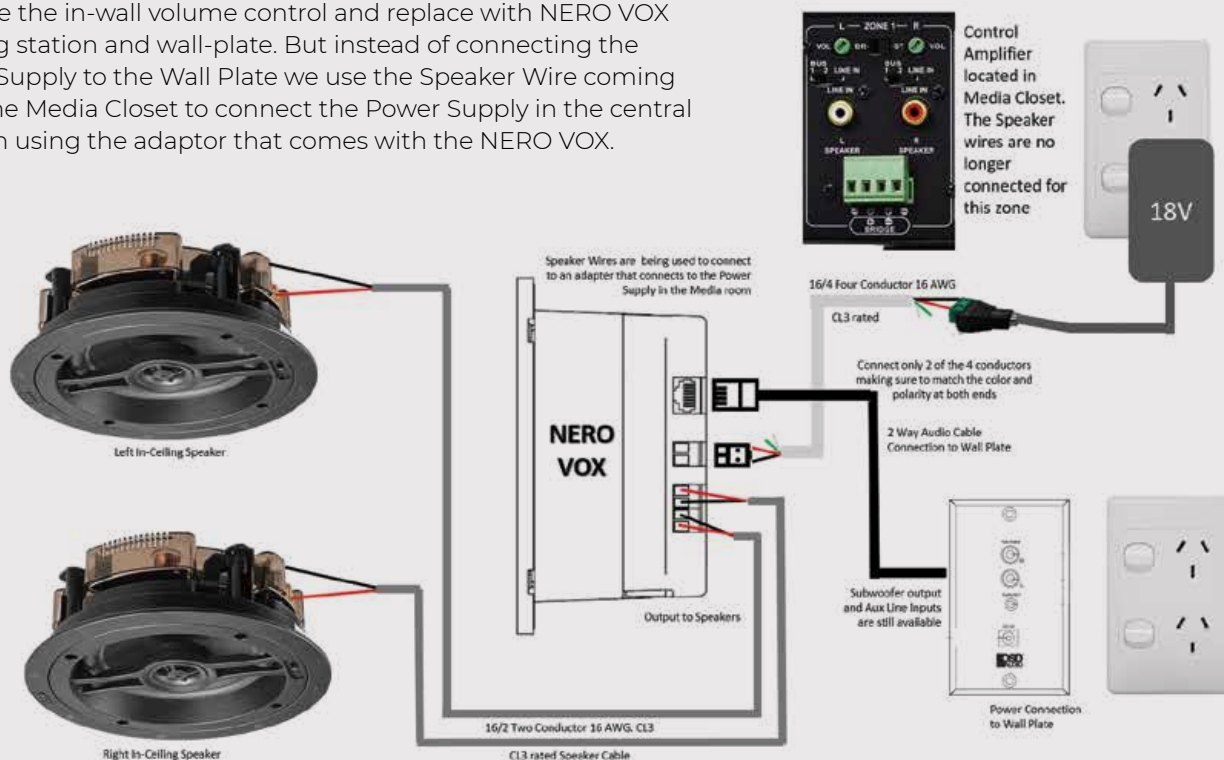
Option 1: Typical Whole House Audio Wiring Diagram

Remove the in-wall volume control and replace with NERO VOX docking station and wall-plate where external power supply is plugged into local in room AC outlet.

Control Amplifier located in Media Closet. The Speaker wires are no longer connected for this zone

16/4 Four Conductor 16 AWG

CL3 rated Speaker Cable

Speaker Wires are disconnected and not used in this application

Left In-Ceiling Speaker

NERO VOX

2 Way Audio Cable Connection to Wall Plate

Power Connection to Wall Plate

Output to Speakers

Right In-Ceiling Speaker

16/2 Two Conductor 16 AWG. CL3

CL3 rated Speaker Cable

18V

Option 2: Typical Whole House Audio Wiring Diagram

Remove the in-wall volume control and replace with NERO VOX docking station and wall-plate. But instead of connecting the Power Supply to the Wall Plate we use the Speaker Wire coming from the Media Closet to connect the Power Supply in the central location using the adaptor that comes with the NERO VOX.

Control Amplifier located in Media Closet. The Speaker wires are no longer connected for this zone

18V

Speaker Wires are being used to connect to an adapter that connects to the Power Supply in the Media room

16/4 Four Conductor 16 AWG

CL3 rated

Connect only 2 of the 4 conductors making sure to match the color and polarity at both ends

Left In-Ceiling Speaker

NERO VOX

2 Way Audio Cable Connection to Wall Plate

Output to Speakers

Subwoofer output and Aux Line Inputs are still available

Right In-Ceiling Speaker

16/2 Two Conductor 16 AWG. CL3

CL3 rated Speaker Cable

Power Connection to Wall Plate

S/Reference Series

3× OSD Black S85
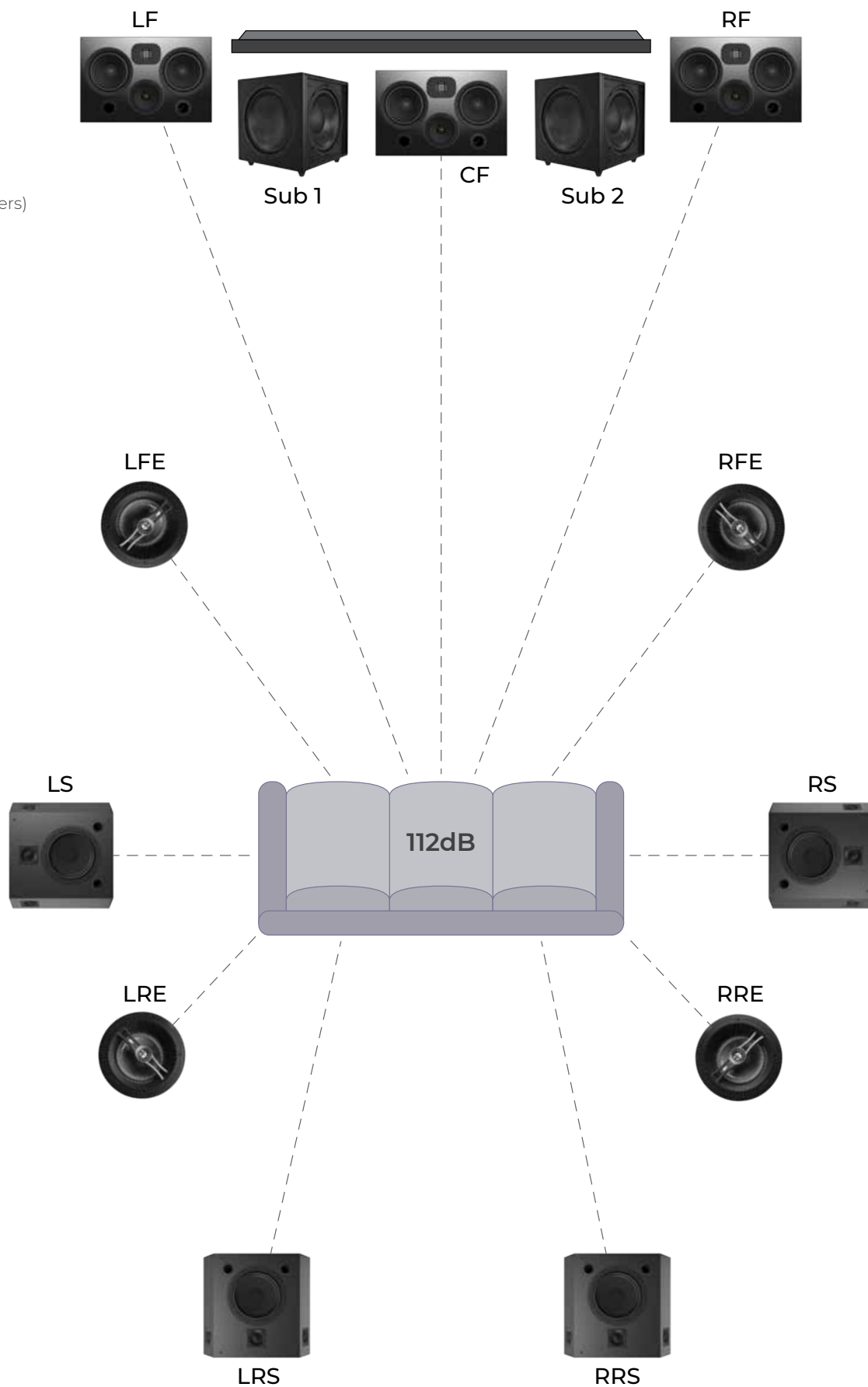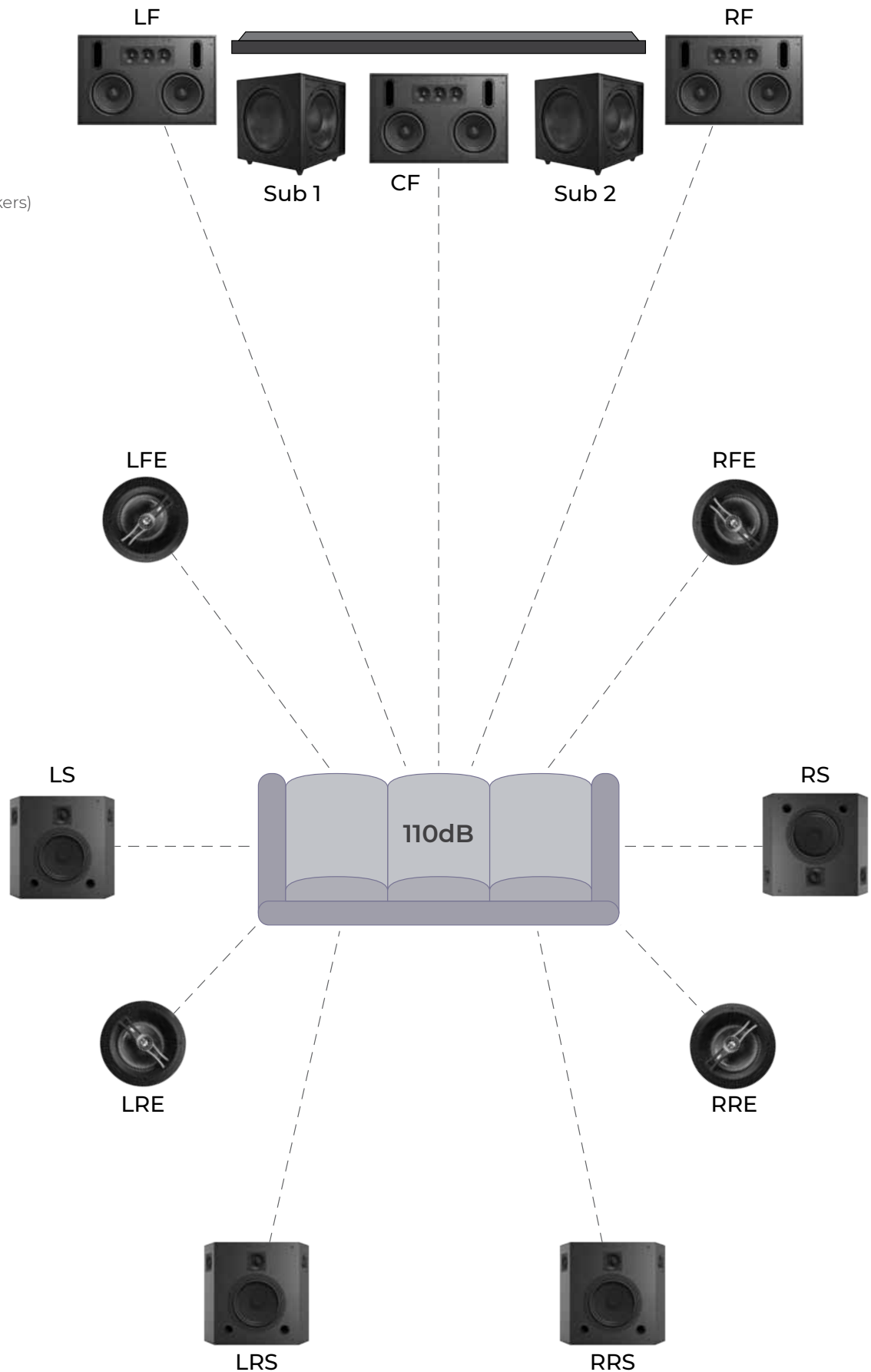(Front Stage LCR)

4× OSD Black S8T
(Surround & Rear Surrounds)

4× OSD Black R83A
(Front and Rear Effects Speakers)

2× OSD TreVoce 12
(Powered Subwoofers)

MAX SPL
at listening
position 112dB

LF

RF

Sub 1

CF

Sub 2

LFE

RFE

LS

112dB

RS

LRE

RRE

LRS

RRS

OSD BLACK 7.2.4 (ATMOS)

S/Reference Series

3× OSD Black S82
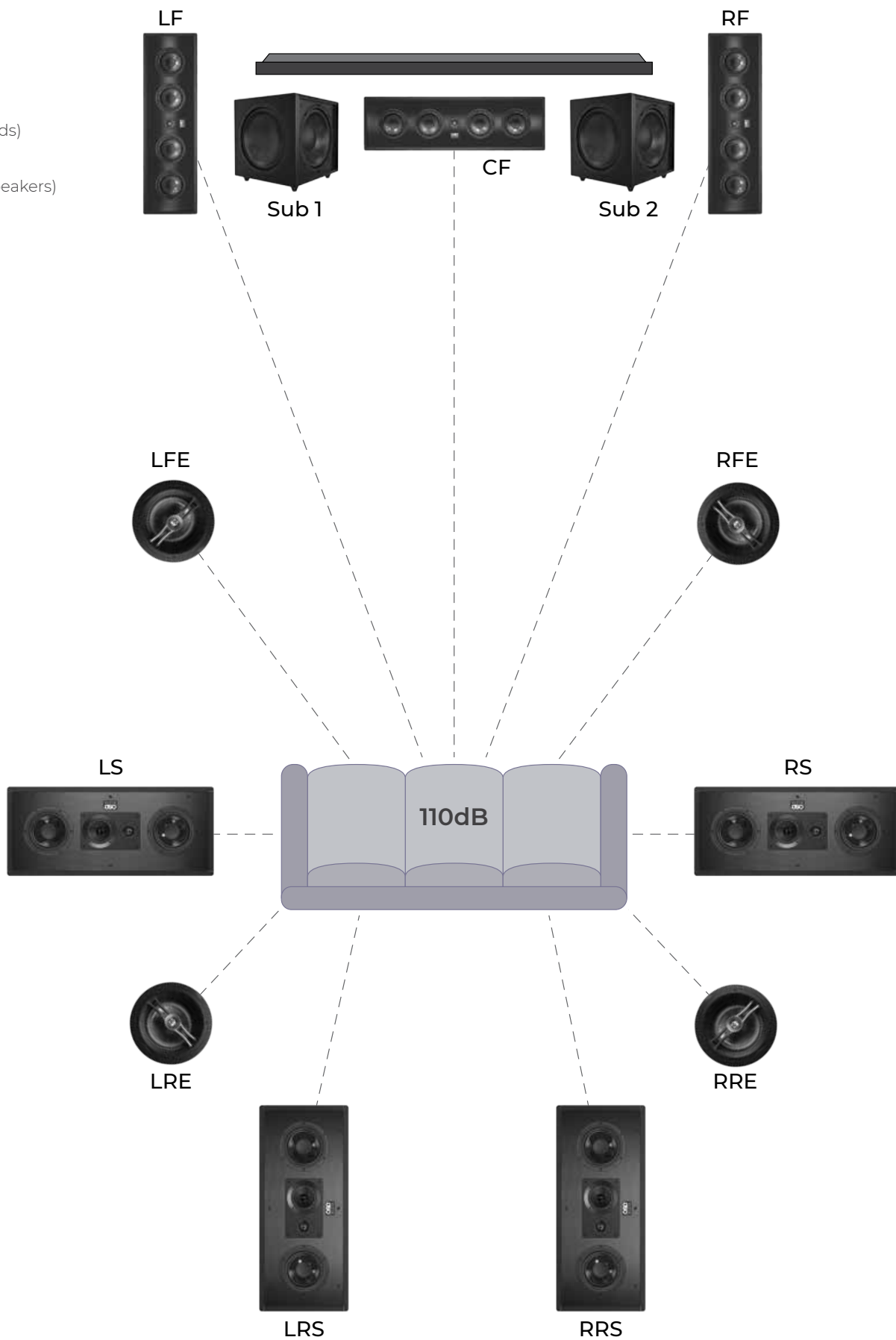(Front Stage LCR)

4× OSD Black S8T
(Surround & Rear Surrounds)

4× OSD Black R83A
(Front and Rear Effects Speakers)

2× OSD TreVoce 12
(Powered Subwoofers)

MAX SPL
at listening
position 110dB

LF

RF

Sub 1   CF   Sub 2

LFE

RFE

LS

RS

110dB

LRE

RRE

LRS

RRS

OSD 7.2.4 (ATMOS)

T/Reference Series

3× OSD Black T69
(Front Stage LCR)

4× OSD Black T65
(Surround & Rear Surrounds)

4× OSD Black R83A
(Front and Rear Effects Speakers)

2× OSD TreVoce 12
(Powered Subwoofers)

MAX SPL
at listening
position 110dB

LF

RF

Sub 1

CF

Sub 2

LFE

RFE

LS

110dB

RS

LRE

RRE

LRS

RRS

5.2.4 (ATMOS)

T/Reference Series

3× OSD Black T65
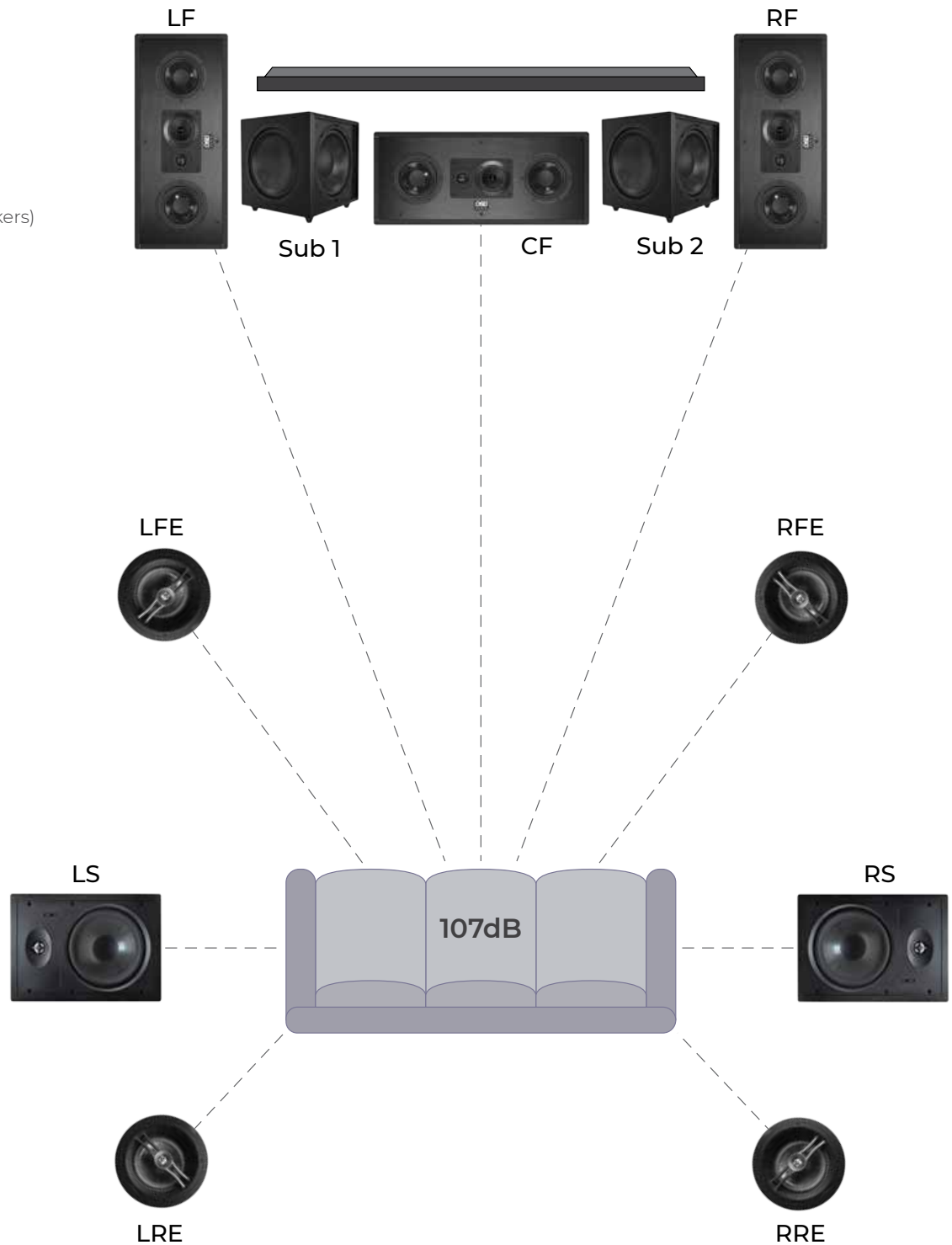(Front Stage LCR)

2× OSD Black T82
(Surround & Rear Surrounds)

4× OSD Black R63A
(Front and Rear Effects Speakers)

2× OSD TreVoce 12
(Powered Subwoofers)

MAX SPL
at listening
position 107dB

LF

RF

Sub 1   CF   Sub 2

LFE

RFE

LS

RS

107dB

LRE

RRE

Reference Series

3× OSD Black T53LCR
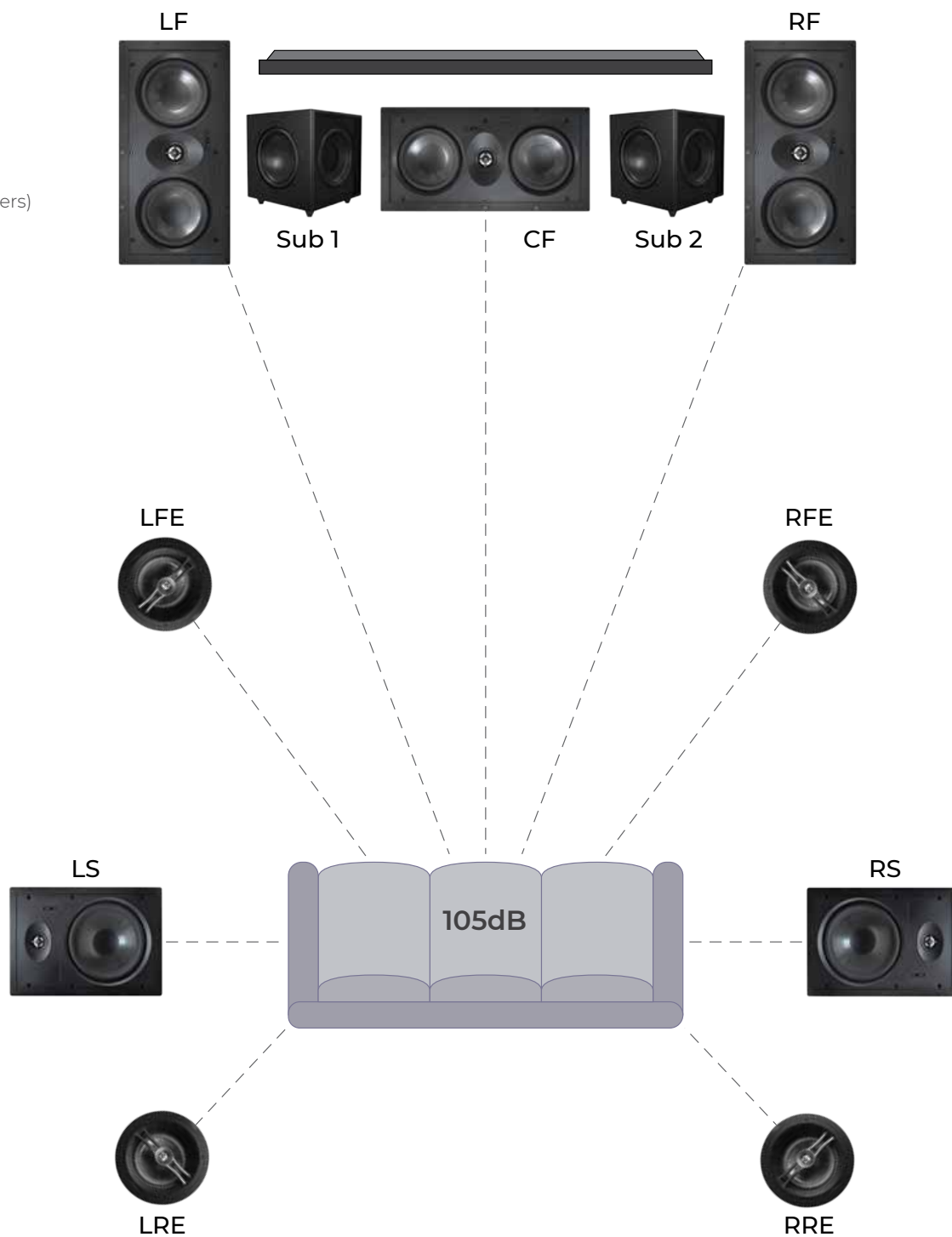(Front Stage LCR)

2× OSD Black T82
(Surround & Rear Surrounds)

4× OSD Black R63A
(Front and Rear Effects Speakers)

2× OSD TreVoce 10
(Powered Subwoofers)

MAX SPL
at listening
position 105dB

LF

RF

Sub 1

CF

Sub 2

LFE

RFE

LS

RS

105dB

LRE

RRE

OSD BLACK 5.2.4 (ATMOS)

Reference Series

3× OSD Black R83A
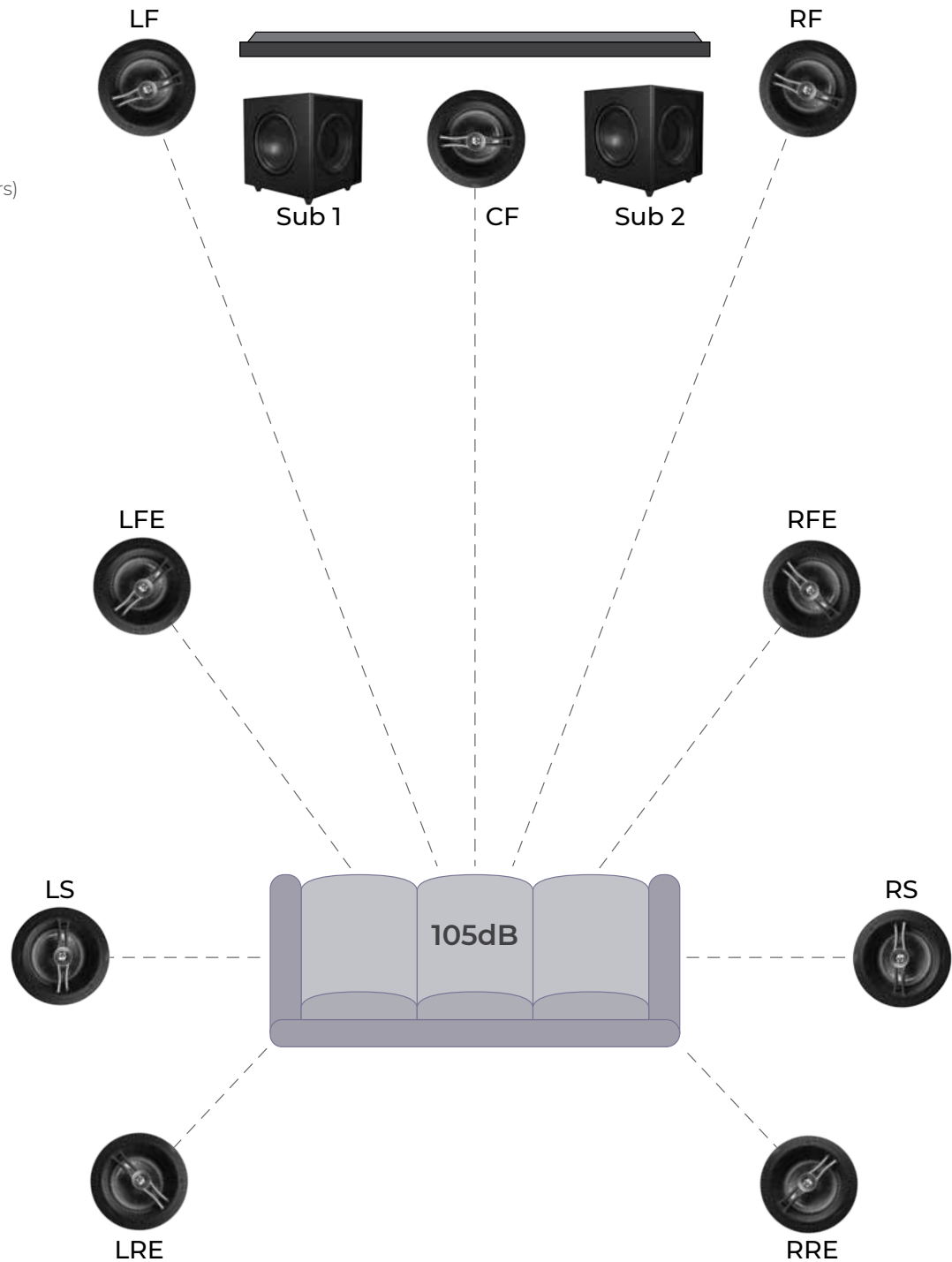(Front Stage LCR)

2× OSD Black R63A
(Surround & Rear Surrounds)

4× OSD Black R63A
(Front and Rear Effects Speakers)

2× OSD TreVoce 10
(Powered Subwoofers)

MAX SPL
at listening
position 105dB

LF

RF

Sub 1   CF   Sub 2

LFE

RFE

LS

RS

105dB

LRE

RRE

OSD BLACK 5.2.2 (ATMOS)

Reference Series

3× OSD Black T53LCR
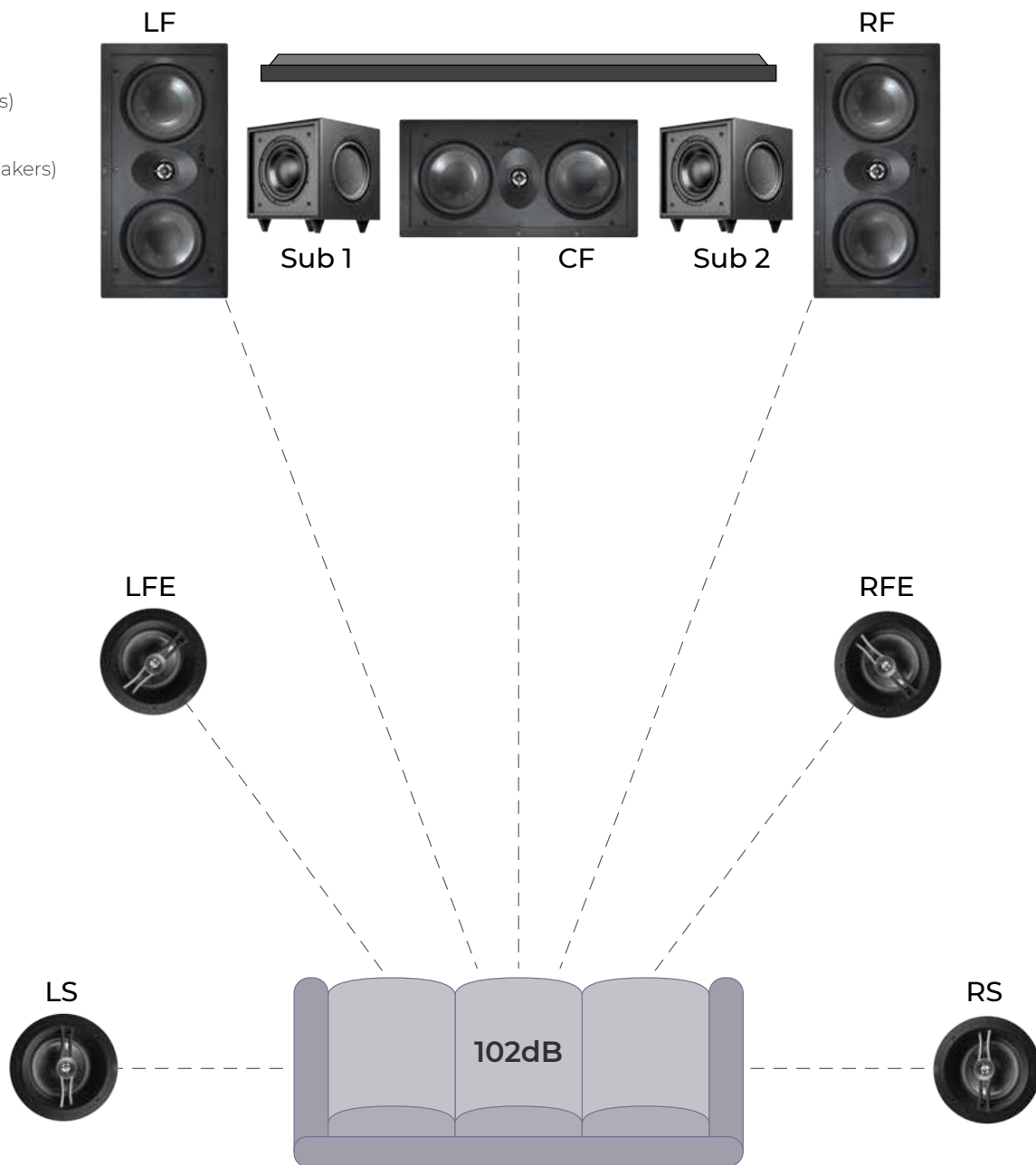(Front Stage LCR)

2× OSD Black R63A
(Surround & Rear Surrounds)

2× OSD Black R63A
(Front and Rear Effects Speakers)

2× OSD TreVoce 8 DSP
(Powered Subwoofers)

MAX SPL
at listening
position 102dB

LF

RF

Sub 1   CF   Sub 2

LFE

RFE

LS

RS

102dB

OSD BLACK 5.1

Reference Series

3× OSD Black T53LCR
(Front Stage LCR)

2× OSD Black T82
(Surround & Rear Surrounds)

1× OSD TreVoce 8 DSP
(Powered Subwoofers)

MAX SPL
at listening
position 100dB

LS

LF

Sub 1

CF

RF

100dB

RS

Reference Series

3× OSD Black T53LCR
(Front Stage LCR)

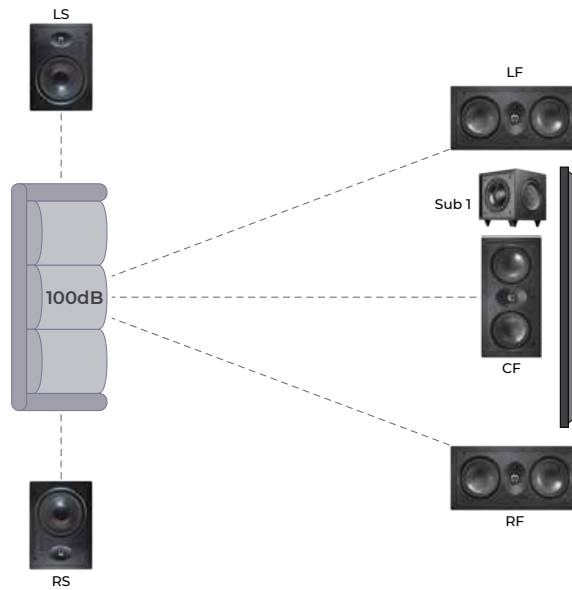**2× OSD Black R63A**
(Surround & Rear Surrounds)

1× OSD TreVoce 8 DSP
(Powered Subwoofers)

MAX SPL
at listening
position 100dB

LS

LF

Sub 1

CF

RF

100dB

RS

Reference Series

3× OSD Black R83A LCR
(Front Stage LCR)

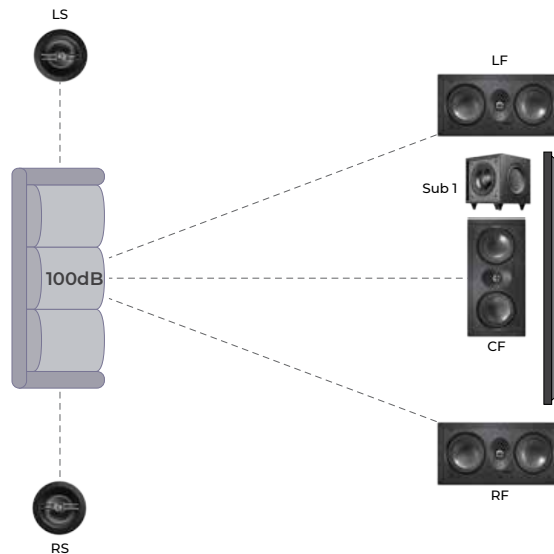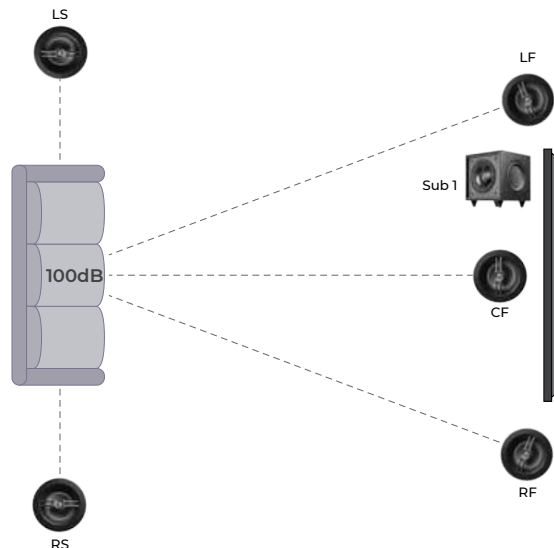**2× OSD Black R63A**
(Surround & Rear Surrounds)

1× OSD TreVoce 8 DSP
(Powered Subwoofers)

MAX SPL
at listening
position 100dB

LS

LF

Sub 1

CF

RF

100dB

RS

PERFORMANCE. STYLE. DRAMA.

Our loudspeakers look, and sound, unlike any you've ever experienced before. From a blank sheet of paper to finished product, every Vivid Audio loudspeaker is created for a single purpose: to bring you perfectly transparent, natural sound, free from colour, resonance and reflection. Which means you get to enjoy the music you love in a whole new way: exactly as it was written, performed and intended to be heard. As an engineering-led company, we build our loudspeakers to rigorous technical standards, not price points. Whichever Vivid Audio speakers you choose, you'll benefit from the same world-class, handmade drivers, crossovers, enclosures and other technology. Whether you're a dedicated audiophile, discerning music lover, home entertainment aficionado, or someone who recognises, expects and demands only the very best, you'll find your perfect loudspeakers here.

GIYA g1s
4-Way 5 Drivers
– G1 Spirit

GIYA g1
4-Way 5
Drivers Series 2

GIYA g2
4-Way 5
Drivers Series 2

GIYA g3
4-Way 5
Drivers Series 2

GIYA g4
4-Way 5
Drivers Series 2

KAYA RANGE

KAYA K25

Configuration	2 way 2 driver system
Cabinet material	Glass reinforced Soric cored sandwich composite
Cabinet colour	Piano, Pearl, Oyster Matte
Bespoke cabinet colour	Bespoke colour options available on request
Drive units	HF D26v is – 26mm tapered tube loaded alloy dome LF C125D – 1× 125mm alloy cones in tapered tube loaded reflex enclosure
Bass Loading	Exponentially tapered tube enhanced bass reflex
Sensitvity	85dB 2.83VRMS/1m
Nominal impedance	8 Ohm (7.5 Ohm Min)
Frequency range	42Hz- 40kHz
Frequency response	39Hz - 25kHz (-6dB)
First D26 break up mode	44kHz
Harmonic distortion	<0.5% over frequency range
Cross over frequencies	3.0kHz
Recommended amplifier power	25W- 125W
Loudspeaker dimensions (H×W×D)	1160 × 263 × 340 mm
Mass	24kg
Shipping dimensions (L×W×H)	1245 × 680 × 450 mm
Shipping Mass	60kg (pair)

KAYA K45

Configuration	3 way 4 driver system
Cabinet material	Glass reinforced Soric cored sandwich composite
Cabinet colour	Piano, Pearl, Oyster Matte
Bespoke cabinet colour	Bespoke colour options available on request
Drive units	HF D26v is – 26mm tapered tube loaded alloy dome MF C100se – 100mm tapered tube loaded alloy cone LF C125L – 4× 125mm alloy cones in tapered tube loaded reflex enclosure
Bass Loading	Exponentially tapered tube enhanced bass reflex
Sensitvity	87dB 2.83VRMS/1m
Nominal impedance	6 Ohm (2.8 Ohm Min)
Frequency range	37Hz- 40kHz
Frequency response	39Hz - 25kHz (-6dB)
First D26 break up mode	44kHz
Harmonic distortion	<0.5% over frequency range
Cross over frequencies	300Hz and 3kHz
Recommended amplifier power	25W- 250W
Loudspeaker dimensions (H×W×D)	1153 × 298 × 385 mm
Mass	25kg
Shipping dimensions (L×W×H)	1245 × 680 × 450 mm
Shipping Mass	60kg (pair)

KAYA RANGE

KAYA K90

Configuration	3 way 6 driver system
Cabinet material	Glass reinforced Soric cored sandwich composite
Cabinet colour	Piano, Pearl, Oyster Matte
Bespoke cabinet colour	Bespoke colour options available on request
Drive units	HF D26v is – 26mm tapered tube loaded alloy dome MF C100se – 100mm tapered tube loaded alloy cone LF C125L – 4× 125mm alloy cones in tapered tube loaded reflex enclosure
Bass Loading	Exponentially tapered tube enhanced bass reflex
Sensitvity	90dB 2.83VRMS/1m
Nominal impedance	6 Ohm (4 Ohm Min)
Frequency range	35Hz- 40kHz
Frequency response	39Hz - 25kHz (-6dB)
First D26 break up mode	44kHz
Harmonic distortion	<0.5% over frequency range
Cross over frequencies	300Hz and 3kHz
Recommended amplifier power	25W- 500W
Loudspeaker dimensions (H×W×D)	1202 × 370 × 540 mm
Mass	38 kg
Shipping dimensions (L×W×H)	1245 × 430 × 590 mm
Shipping Mass	55kg (each)

KAYA S12

Configuration	2 way 2 driver system
Cabinet material	RIMCast Polyurethane
Cabinet colour	
Bespoke cabinet colour	
Drive units	HF: D26 – 26mm tapered tube loaded alloy dome LF: C100D – 1 x 100mm alloy cone
Bass Loading	Exponentially Tapered Tube enhanced bass reflex
Sensitvity	87dB @ 2.83VRMS at 1m on axis
Nominal impedance	8 Ohm (5.3 Ohm Min)
Frequency range	45 – 25,000 Hz (-6dB)
Frequency response	
First D26 break up mode	44,000 Hz
Harmonic distortion	<0.5% over frequency range at 1W
Cross over frequencies	3,000
Recommended amplifier power	25W – 125W
Loudspeaker dimensions (H×W×D)	400 × 237 × 254 mm
Mass	6 kg (each)
Shipping dimensions (L×W×H)	
Shipping Mass	

4K HDR VIDEO MANAGEMENT SYSTEMS

The Best Video Viewing Experience...Ever

Zappiti video management systems are designed for those who want to watch movies as they were originally intended, in their uncompressed, high-resolution glory. In a world controlled by the rules of internet service providers, Zappiti delivers amazing picture quality and the perpetual availability of content. Regardless of the internet connection, you can enjoy Hi-Res and UHD HDR files instead of the compressed content delivered by streaming providers.

The Ultimate Media Center

With Zappiti, curating the ultimate media library is a breeze, as beautifully designed cover art and extensive movie information are automatically downloaded and sorted by category. The astonishing Zappiti user interface enables quick and easy navigation, with powerful sort and search functions, parental controls and unlimited custom collections.

EXPERIENCE 4K MEDIA BLISS

Zappiti designs and manufactures only professional grade Video Management Systems; delivering the highest quality video, combined with superior performance for the best possible user experience.

If you don't own an Ultra HD 4K display, No problem! Zappiti Magic Pixel converts Ultra HD video content into extremely high quality 1080p uncompressed 4:4:4 video to enable 4K content on 1080p displays.

Zappiti MagicPixel V3

Forget expensive outboard video processors!

Zappiti Players incorporate Zappiti™ MagicPixel technology for outstanding picture quality with better upscaling (up to 4K resolution), improved dynamics, accurate colorimetry, deeper contrast, and solid deinterlacing.

Don't worry if you don't have an Ultra HD 4K display! Zappiti MagicPixel technology converts 4K Ultra HD content into extremely high-quality 1080p uncompressed 4:4:4 video for Full HD 1080p displays and projectors.

Uncompromising Performance

- Latest Video Specs - HDMI 2.0a / 4K60p / HDR10+ / Dolby Vision VS10 / H.265
- Amazing Surround Sound - Dolby TrueHD / DTS-HD / DTS:X / Dolby Atmos®.
- Enhanced 4K Upscaling - Zappiti MagicPixel v3.
- Zappiti Scope - Perfectly adjust overscan (also supports 4096x2160, 3840x2160).
- True Multi-Room Video - Up to 8 players in 1080p or 4 players in 4K HDR.
- Control & Drivers - Via app/remote or Crestron, Control 4, RTI, Savant etc.

Enhanced Viewing Experience

- Beautiful, Intuitive GUI - 3D effects, motion design, reflections and optional skins.
- Movie Information - Automatically displays description, rating, cast, specs, etc.
- Powerful Search Engine - Smart filtering technology.
- Cover Art Database - 13000+ covers, specially designed for best visuals.
- Custom Collections - Easily manage unlimited movie collections.
- Parental Control - Block children from access to movies and edit/delete functions.
- Language Support - Zappiti GUI supports 35 languages.
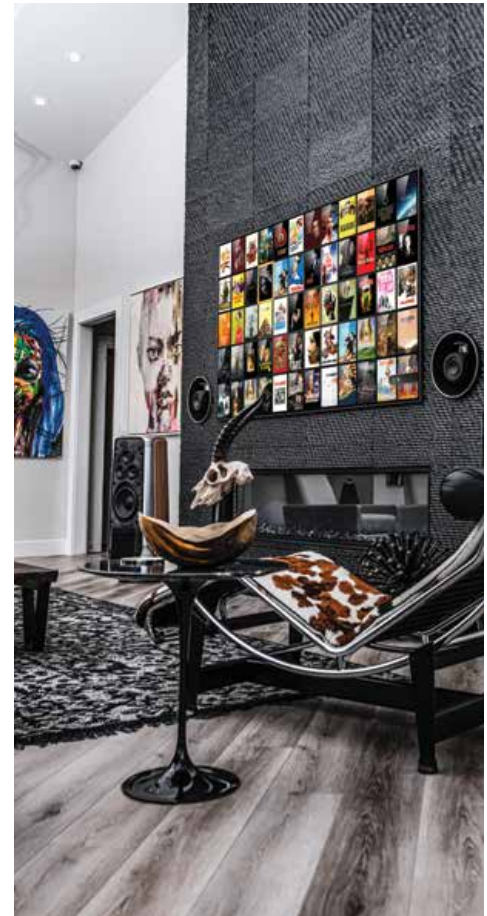
Award-Winning Solutions

4K HDR MEDIA PLAYERS

Professional Grade Video Management Systems

All Zappiti products are designed to provide our end-user customers with convenient and intuitive access to their entire movie library collection, in stunning 4K, High Definition resolution. The award winning Zappiti devices are being successfully used to improve the movie watching experience, in residential and commercial environments all over the globe.

Zappiti Signature

- Dolby Vision, HDR10+, VS10
- 2 HDMI outputs (HDMI main & HDMI Audio Only)
- 40TB Internal hard drive
- High quality gold-plated output ports
- Balanced and unbalanced audio outputs
- Dual R-Core high end power supply
- ESS Sabre 9038PRO DAC
- Zero signal transport
- High sensitivity IR sensor
- 6.35mm amplified headphone output
- 3 USB 3.1 / 2.0 ports

Zappiti Reference

- Dolby Vision, HDR10+, VS10
- 2 HDMI outputs (HDMI main & HDMI Audio Only)
- 40TB Internal hard drive
- High quality gold-plated output ports
- Balanced and unbalanced audio outputs
- Toroidal high end power supply
- ESS Sabre 9038Q2M DAC
- Zero signal transport
- High sensitivity IR sensor
- 6.35mm amplified headphone output
- 3 USB 3.1 / 2.0 ports

Zappiti Neo

- Dolby Vision, HDR10+, VS10
- 2 HDMI outputs (HDMI main & HDMI Audio Only)
- 20TB Internal hard drive
- High quality gold-plated output ports
- Zero signal transport
- High sensitivity IR sensor
- 2 USB 3.1 / 2.0 ports

Z.Player Pro 4K HDR Audiocom Cinema Edition

- ISF Certified
- 2 HDMI outputs (HDMI main & HDMI Audio Only)
- High quality gold-plated output ports
- R-Core high end power supply
- ESS Sabre 9038 DAC
- Zero signal transport
- Upgraded Remote Control
- High sensitivity IR sensor
- 6.35mm Headphone output
- Headphone amplifier
- 5 USB ports

Z.Player One 4K HDR

In addition to the features in the Z.Player Mini 4K HDR, the Zappiti Player One 4k HDR features:

- HDD Enclosure with Hot Swap Function: Easily and quickly insert and exchange

internal 3.5" SATA HDDs (up to 16 TB total storage internally)
- NAN eMMC: 16 GB (5.0)
- 5 USB ports
- Coaxial Audio Output
- Android 6.0

Zappiti 4K Mini Player with HDR

- Chipset: Realtek RTD1295
- CPU: ARM® Cortex® CA53 x4 (Quad Core). GPU: Mali™-T820 MP3 (3 Core)
- Operating System: 64-Bit. External hardrive only
- DSP: Video and Audio DSP with hardware acceleration
- Cache: 1 MB L2. RAM: 2 GB DDR4. NAN eMMC: 8 GB (5.0)
- Connectors: HDMI 2.0a, 2x USB 2.0, 1x USB 3.0, audio / video analog output
- Long range IR remote: The Zappiti Player is provided with an IR remote

ZAPPITI COMPARISON CHART

	Signature	Reference	Neo	One	Mini
Dolby Vision	Yes	Yes	Yes	No	No
Dolby Vision VS10	Yes	Yes	Yes	No	No
HDR10+	Yes	Yes	Yes	No	No
Zappiti Magic Pixel	V3	V3	V3	V2.5	V2.5
HDMI Audio only	Yes	Yes	Yes	No	No
HDD Rack enclosure	Yes	Yes	Yes	Yes	No
Dual rack enclosure	Yes	Yes	No	No	No
Front-opening rack	Yes	Yes	Yes	No	No
Hidden rack (vertical door)	Yes	Yes	Yes	No	No
IR Extender	Yes	Yes	Yes	No	Yes
High End Power Supply	Dual R-Core	Toroidal	No	No	No
Processor	RTD1619DR	RTD1619DR	RTD1619DR	RTD1295	RTD1295
New RC with STOP button	Yes	Yes	Yes	No	No
Gold platted RCA	Yes	Yes	Yes	No	No
Removable Wi-Fi antennas	Yes	Yes	Yes	No	No
Bluetooth Antenna	Yes (5.0)	Yes (5.0)	Yes (5.0)	No (4.0)	No (4.0)
XLR Balanced	Yes	Yes	No	No	No
RAM Memory	4 GB	4 GB	4 GB	2 GB	2 GB
EMMC memory	32 GB	32 GB	32 GB	16 GB	8 GB
High sensibility IR sensor	Yes	Yes	Yes	No	No
Headphone output	6.35 mm	No	No	No	3.5 mm
Headphone amplifier	Yes	No	No	No	No
Rack mount kit in option	Kit 2U	Kit 2U	Kit 1U	Face plate	Face plate
Full standard rack width	43cm / 16.9in	43cm / 16.9in	43cm / 16.9in	No	No
Front-panel USB ports	x2	x2	x1	No	No
USB ports	x5	x5	x4	x5	x3
Coaxial audio digital output	Yes	Yes	Yes	Yes	No
Acoustic isolation feet	Yes	Yes	Yes	No	No
Hi-Fi DAC	ES9038PRO	ESS9038Q2M	No	No	No
Audio Processor	XMOS XU216	XMOS XU208	Dual Chip	No	No
Front screen	OLED	OLED	LCD	No	No
Widevine Level 1 DRM	Yes	Yes	Yes	No	No
Streaming Video Res.	1080p/UHD	1080p/UHD	1080p/UHD	480p/576p	480p/576p
AV Sync. Adjustment	fwd/bwd	fwd/bwd	fwd/bwd	fwd	fwd
Android version	9.0	9.0	9.0	6.1	6.1

ZAPPITI NAS RIP 4K HDR

Back-up Your Video Library and Enjoy Them in Every Room of Your Home

The ultimate solution for distributing multi-room audio and video throughout a home. With high performance video processing technology and a rich media center application, the Zappiti NAS Rip 4K HDR enables users to build their video library quickly and easily.

Rip with the Touch of a Button

The Zappiti NAS Rip was designed from the ground up to store movies quickly and reliably on a hard disk drive array without compression or loss of quality. Open the tray of the Blu-ray player, insert your disc, and that's it! Zappiti NAS Rip does all the work! Once your disc is ripped and saved in the internal storage, it is ejected and you can simply insert another one.

Zappiti NAS Rip 4K HDR

- 8 Bay hard drive capacity allows easy library expansion.
- Rips DVD, Blu-ray, Blu-ray 3D, 4k UHD discs and CDs.
- RAID-5 disk storage provides ultimate backup protection.
- Supports multiple NAS servers for incredible scalability.
- Enables multi-room video via Zappiti Players.
- Embedded Zappiti Remote Server Monitoring technology.
- Plug-n-play network and Zappiti player configuration.

ZAPPITI SHARE

Multi-Zone Streaming & Video Processing

With Zappiti Share you can stream video files stored on the internal (or external) hard drive to other Zappiti media players over the home network. Playback up to 4 files at the same time in different rooms in Blu-ray quality! (2 in UHD quality).

Add a Zappiti NAS Rip 4K HDR to the system and you can enjoy movies and TV shows in Blu-ray quality in up to 8 zones simultaneously (up to 10 zones in UHD quality). Each player operates independently so you can watch different movies in different rooms of your home.

From your NAS
Stream content to 8 players simultaneously

From your main Zappiti Player
Stream content to 3 players simultaneously

| Living Room | Master Bedroom | Home Theatre | Kids Playroom |

Russound
a sound relationship

STREAMING AUDIO

Russound High-Res Audio

The two new products in the MBX family are dedicated to wireless streaming – The MBX-AMP is a full-featured streaming audio player with a built-in amplifier; the MBX-PRE is a preamp-only (non-amplified) version designed to be the perfect streaming audio source for Russound's MCA-Series controllers like the MCA-66 and MCA-88. These new streaming MBX-Series products give you the flexibility and reliability needed to satisfy the needs of any clientele. And they deliver high-res audio performance that today's customers demand. And now with the ability to take voice commands from Amazon Alexa and Google Home, these new streaming products are a welcome addition to any customer's home to make listening to their favorite music faster, easier and more enjoyable than ever before.

Hi·Res AUDIO

MBX-AMP

MBX-PRE

Available Where You Want It, How You Want It

- Works with the XTS Plus and MyRussound App
- Easy 1-button access to your favorite music
- Works with Amazon Alexa or Google Assistant voice control
- Includes native support for both Apple AirPlay and Google ChromeCast Built-in for Audio
- Mix and match MBX products for up to 32 streaming zones
- Designed to be the perfect complement to the MCA-Series of controllers in order to add hi-res streaming audio as a source or to expand a system to new rooms or possibilities, even wirelessly
- IP Controllable – Works with 3rd party control systems
- Connects easily to a home network via Wi-Fi or a wired Ethernet connection
- Built-in Bluetooth® audio support
- Connect to any amplifier

RUSSOUND CERTIFIED INSTALLER REQUIRED

Enhance your Russound experience with the MyRussound App. Touch, control, and listen anywhere in your home with this sleek and easy to use interface. Compatible with Apple and Android devices.

Works with:

amazon alexa

Alexa, play some music in the Den

works with the Google Assistant

Hey Google, what song is playing in the Family Room?

Select Zone   Create Group   Now Playing Screen

Sample Set Up of an MBX Home System

A **Wired MBX-AMP set up in the kitchen with an XTSPlus**
- Use the XTSPlus for whole home audio control. This stylish in-wall touchscreen runs an embedded version of the MyRussound App.

B **Using Wi-Fi, connect an MBX-AMP in the bedroom and use the free MyRussound App to control speakers**
- Download the free app from the iOS/Android app store to control the music playing through your speakers.
- With the app you are able to easily group multiple rooms together.

C **Using Wi-Fi, connect an MBX-AMP in the office for control of in-ceiling speakers**
- Use the simple buttons on the front of the MBX-AMP to control the music without requiring your phone or any other device.

D **MBX-PRE connected to an MCA-66 or MCA-88 in the den**
- An MBX-PRE can be easily added to an existing Russound system already in place. This is the preferred dedicated streaming audio source for these products.

E **Wired MBX-AMP in the living room connected to the TV**
- The advanced TV integration features enable the MBX-AMP to share speakers between your TV and your audio system easily without any additional hardware or control system. Just use the included Infrared Sensor and quickly teach the MBX-AMP your remote control's volume and mute commands. It's that easy.
- Expand the system using Chromecast Built-In to easily add a soundbar to the system or a device such as the Google Home Mini to add voice control capabilities to the system.

MBX Benefits
- Professional Grade Streaming Solution with Rock Solid Performance
- No Internet sales, protected by the Russound RCI Program
- Hi-Res Audio 24bit/192kHz
- Free NEWMyRussound™ App
- Alexa & Google Voice Control Support
- Expandable to 32 Rooms of Streaming Audio
- No Control Processor Required
- Integration with 3rd Party Control Systems
- IR Learning for Basic Control Functions
- No programming necessary
- Add Russound Hi-Res XTSPlus touchpanels for wall control
- Built-in streaming
- Digital and Analogue I/Os
- 12V Triggered Output
- Built-in Wi-Fi and Bluetooth
- Easy room Grouping

MCA ADVANCED MULTI-ZONE CONTROLLERS

MCA-88 8 Source, 8 Zone Controller Amplifier

The MCA-88 is an 8 source/8 zone controller amplifier. 8 zones of audio with adjustable bass/treble/loudness/balance with digital amplification providing 40W/channel to zones one through six, 8 source inputs with loop outputs and fixed or variable line outputs per zone, routed IR, built-in IR learning and a pre-programmed IR library, paging and system muting. Bluetooth ready.

Drivers Available For

Control4 RTI URC Control the Experience.

FIBARO Pro Control COMPASS CONTROL

MCA-66 6 Source, 6 Zone Controller Amplifier

The MCA-66 is a 6 source/6 zone controller amplifier. 6 zones of audio with adjustable bass/treble/loudness/balance with analog amplifiers providing 20W/channel to all 6 zones, 6 source inputs and fixed or variable line outputs for zones 1 and 2, routed IR, built-in IR learning and a preprogrammed IR library, paging (optional source 6) and doorbell muting. Bluetooth ready.

Drivers Available For

Control4 RTI URC Control the Experience.

FIBARO Pro Control COMPASS CONTROL

MIXAMP60 70/100V/4/8/16Ω MIXER AMPLIFIER

Perfect For All Light Commercial Applications

The MixAmp-60 Mixer Amplifier with MP3, FM tuner & Bluetooth, is ideal for schools, supermarkets, convenience stores, banks, retail stores and similar environments. It is an all-in-one solution with built-in audio sources, pre-amp mixing, audio amplification, expandability to external sources, microphones, etc., in one small, rack-mountable chassis.
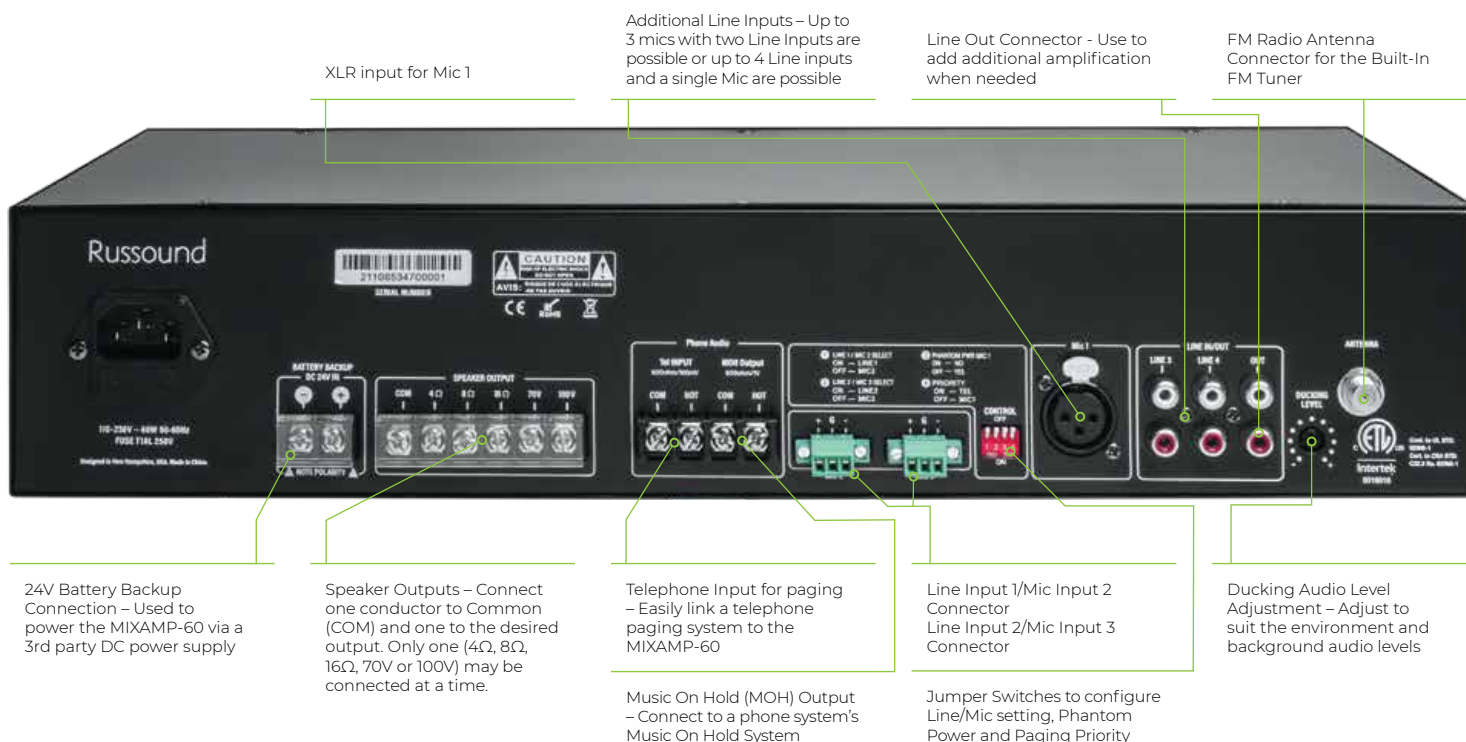
The MixAmp-60 integrates combinations of up to 3 microphones and 4 external audio sources in addition to its built-in FM Tuner, Bluetooth receiver, USB, and SD card MP3 player.

Convenient front panel controls allow for precise volume level of all connected sources as well as an integrated LCD display showing currently selected audio from the built-in sources. Background Music (BGM) and Music On Hold (MOH) integration are available as well as a Telephone Paging Input. Phantom Power is available for the primary microphone as well as adjustable ducking levels.

Key Features

- Rack-mountable mixer amplifier with media player
- Built-in media player with USB/SD, FM & Bluetooth®
- Rated power output at 60W
- Speaker output of 100V, 70V, 4Ω, 8Ω, and 16Ω
- Designed for New and Retrofit Commercial Installations

- 3 x mic/line inputs, 2 x RCA line inputs, 1 x TEL input and 1 x RCA line output
- LR input with switchable +48V phantom power
- Short-circuit, clip, overload and high temp protection
- Built-in Bluetooth audio support

XLR input for Mic 1

Additional Line Inputs – Up to 3 mics with two Line Inputs are possible or up to 4 Line inputs and a single Mic are possible

Line Out Connector - Use to add additional amplification when needed

FM Radio Antenna Connector for the Built-In FM Tuner

24V Battery Backup Connection – Used to power the MIXAMP-60 via a 3rd party DC power supply

Speaker Outputs – Connect one conductor to Common (COM) and one to the desired output. Only one (4Ω, 8Ω, 16Ω, 70V or 100V) may be connected at a time.

Telephone Input for paging – Easily link a telephone paging system to the MIXAMP-60

Line Input 1/Mic Input 2 Connector
Line Input 2/Mic Input 3 Connector

Ducking Audio Level Adjustment – Adjust to suit the environment and background audio levels

Music On Hold (MOH) Output – Connect to a phone system's Music On Hold System

Jumper Switches to configure Line/Mic setting, Phantom Power and Paging Priority

AUDIO SOLUTIONS THE PROFESSIONALS TRUST

We're in the Business to Help Our Dealers

As one of the first companies to focus on multi-room distributed audio products to make more enjoyable homes, Russound has long been a favorite of audio installation professionals looking for the products and technology needed for them to delight their customers. This would not be possible without our reputation for the finest quality, offering the most important features, and keeping in touch with our customers' expectations throughout the entire process.

Get the Job Done in Half the Time and with Better Profit
- RCI Program protects margin on all advanced products
- 12 month rolling promotion schedule, compelling discounts on our most popular products
- Promos maintain profitability

a sound relationship

Russound

RUSSOUND CERTIFIED INSTALLER **REQUIRED**

An Exclusive Line That is Competitive & Profitable RCI Program
- Protected distribution of our best, most profitable products
- Products are shipped "locked" and access is limited to legitimate businesses
- Products are not sold to consumers directly or available for online price shopping

Unique Product Designed for and Sold to the Trade
- Our niche is the Installation channel
- Our products are sold to and need to be installed by professional technicians
- We are NOT a DIY brand
- Longstanding reputation for performance and reliability

SOURCES FOR ADVANCED CONTROLLERS

BTC-1X Bluetooth® Remote Transceiver

Simply plug the BTC-1X into the Bluetooth input of any Russound Bluetooth ready controller (such as MCA-88 or MCA-66) to add Bluetooth streaming audio. Remote transceiver allows for optimum placement via CAT-5 wire up to 300' (91.4m). High quality audio codec featuring aptX® for superior Bluetooth audio quality. Micro-USB programming cable is included.

BSK-1 Bluetooth® Source Kit

The BSK-1 Bluetooth Source Kit permits Bluetooth enabled devices to stream content to any audio system for wireless audio. It offers a remotely located Bluetooth receiver, optimised for ideal placement and range by the custom installer. The receiver is connected with CAT-5 wire and may be extended up to 300' (91.4m)

Applications for BSK-1 Kit:

- Bluetooth audio solution for any audio system
- Integrating Bluetooth into a Russound CA4 or CAA66 systems
- When adding additional Bluetooth inputs to a Russound MCA-Series system

ST1 Smart Tuner

The ST1 is a single AM/FM tuner with RDS. Works with MCA-Series controllers. 6 banks of 6 presets. Half rack width for side by side installation. Built-in 110-240V AC power supply. Rack-mount ears included.

ADVANCED MULTI-ZONE SYSTEM CONTROL
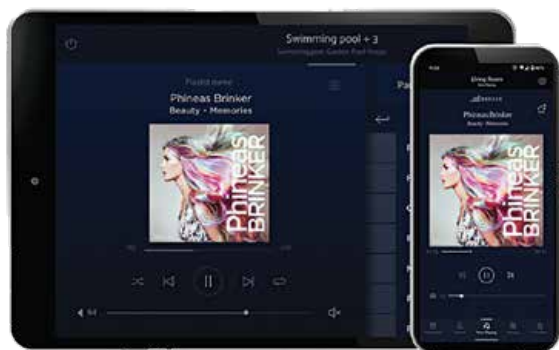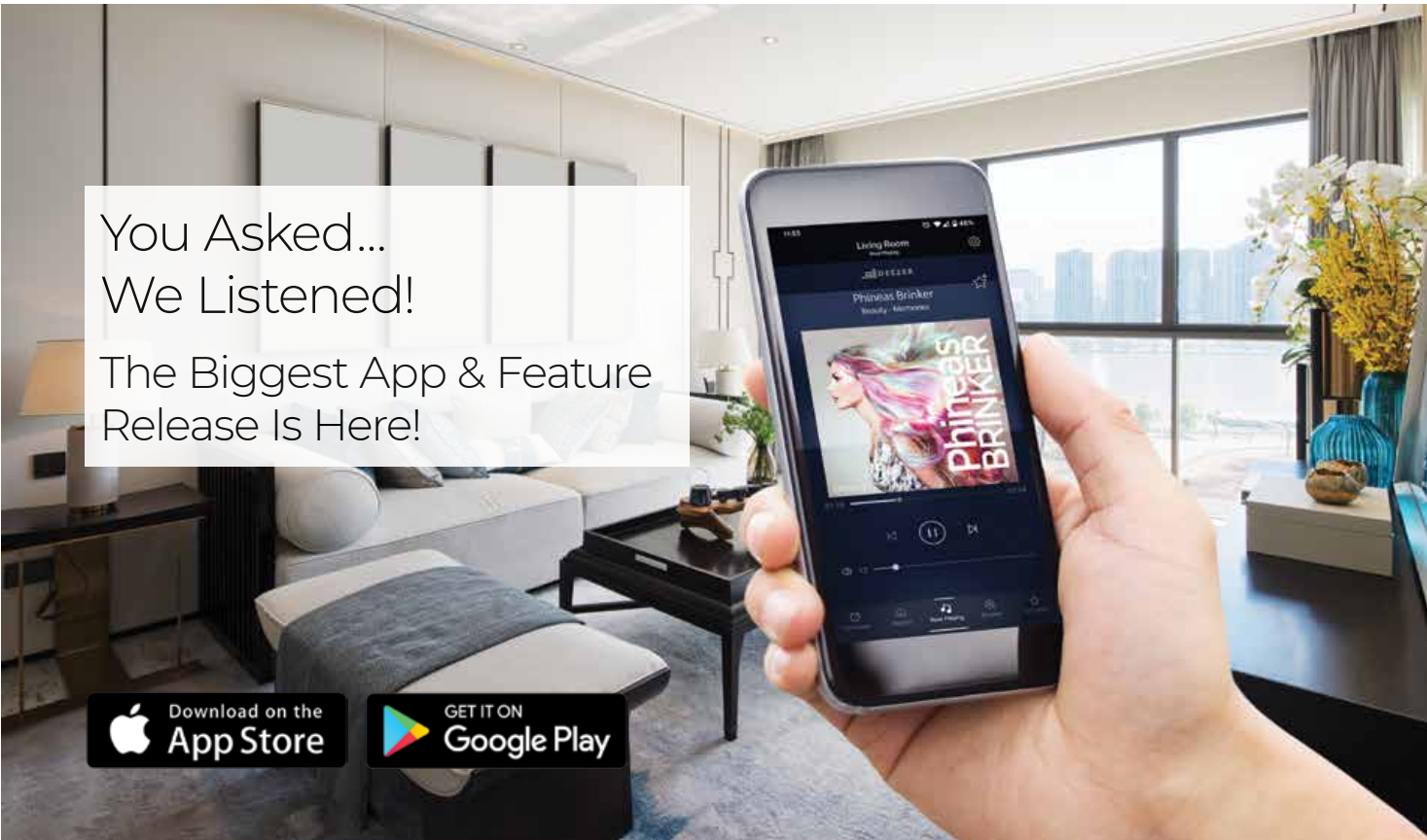
Russound App

Control your Russound XStream, MCA, MBX or XZone Series and all connected sources from the comfort of your iPad, iPhone, iPod touch or Android device. The Russound App offers seamless integration and effortless control for compatible Russound systems. Simply download the Russound App from the iTunes store or Google Play store.

MyRussound is only compatible with the MBX-AMP, MBX-PRE, MCA-66, MCA-88, MCA-88x, MCA-C3 and MCA-C5 controllers and the XStream Series products: XSource, XZone70V and the XZone4.

- Auto-discovery of Russound devices on the network
- Intuitive control of any zone in a system
- Source metadata including Album Art for compatible sources
- Easy Content browsing

FREE

ADVANCED MULTI-ZONE SYSTEM CONTROL

You Asked…
We Listened!

The Biggest App & Feature Release Is Here!

The new Alarms, Schedules, and Sleep Timer Features offer a new level of functionality and enjoyment for a Russound audio system. The full functionality is available for use with the MBX-Series from Russound and offers multiple alarm tones/chimes as options in addition to a user's favorite music stored as any Russound Favorite. When an MBX-PRE is used in Source Mode for an MCA-Series controller, this functionality is extended to work with any zone of the controller.

Existing alarm functionality for an MCA-Series controller without an MBX-PRE as a source is also significantly enhanced with the addition of scheduling features and with up to 15 alarms and schedules now being made available for each zone but no source of chimes/tones would be available for their use for alarms. To get the

full benefit and features available, Russound recommends using at least one MBX-PRE streamer with every MCA Series installation.

Service Re-ordering/Exclusion is for MBX-Series devices so that menu navigation can be simplified with the most used services organised in a customer's preferred order and with unused services even hidden entirely from view.

The new MCA Grouping update is a significant enhancement to allow quick and easy groupings of rooms/zones on an MCA-Series controller. These groups are persistent and will stay grouped until the user stops the group or removes any individual rooms from the grouping as desired. Grouping rooms almost instantly is now simple and intuitive for any user.
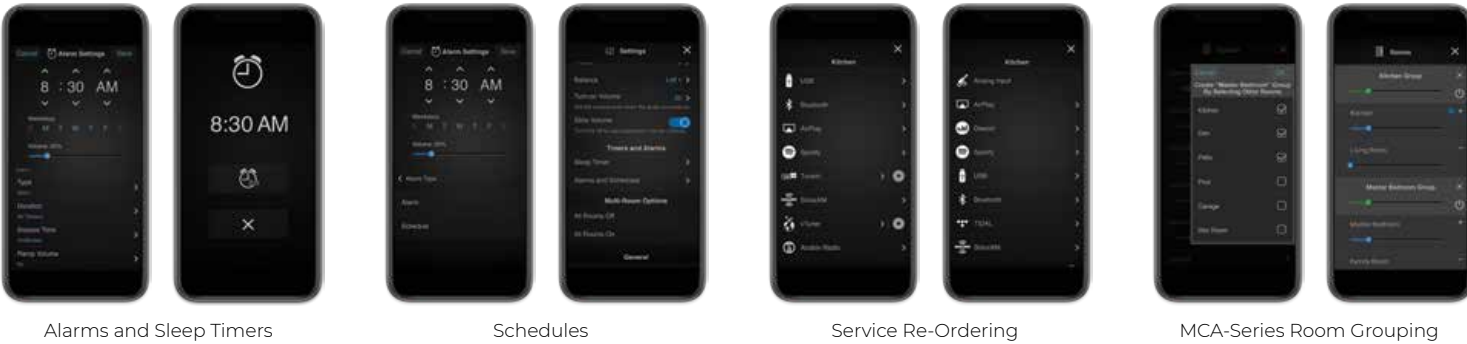
Alarms and Sleep Timers

Schedules

Service Re-Ordering & Exclusions

MCA-Series Room Grouping

CAA66 SYSTEM

CAA66 Controller Amplifier
6 zones (40W/zone), front panel programming center, built-in IR learning, rear RS-232 serial port, extensive built-in IR library, controller link in and out, colour-coded detachable 14-gauge snap connectors, rack-mount 2-unit high. 6 IR emitters with controller only, no keypads. Rack ears included.

CAA66K Controller Amplifier Kits
Includes:

- 6 white KP6 single-gang keypads
- System remote control
- Amplifier controller
- Wall plates not included

CAA66L Controller Amplifier Kits
Includes:

- 6 white KP6 single-gang keypads with LCD
- System remote control
- Amplifier controller
- Wall plates not included

KPL LCD Keypad
In-wall Decora® style single-gang keypad featuring backlit LCD panel, amber backlit soft-touch buttons, assignable source names, IR pass-through, 110 punch-down connector, system status feedback, user adjustable zone bass, treble, loudness and balance. Wall plate not included.

KP6 System Keypad
In-wall Decora style single-gang keypad featuring amber backlit soft-touch buttons, 20 source name labels, source selection, plus IR pass-through and confirmation. 110 punch-down connector, installer adjustable zone bass, treble, loudness and balance. Wall plate not included.

KPSC Optional Source Control Keypad (for KP6 or KPL)
In-wall Decora style single-gang keypad accessory adds source control and numeric control capability to KPL keypads. The keypad has amber backlit soft-touch buttons. This is not a standalone keypad. Wall plate not included.

PROFESSIONAL MULTI-CHANNEL AMPLIFIERS

D1650

Sixteen-Channel Digital Amplifier
- High efficiency, cool running digital amplification
- 50W/ch @8ohm, 80W/ch @4ohm
- Bridgeable: 160W mono @8ohm
- Global bus input, independent inputs per zone
- Trim level adjustment per channel
- Global trigger input/output
- Independent trigger input/output per zone
- Audio sensing per zone
- Auto-switching delay settings per zone
- Rackmountable

D850

Eight-Channel Digital Amplifier
- High efficiency, cool running digital amplification
- 50W/ch @8ohm, 80W/ch @4ohm
- Bridgeable: 160W mono @8ohm
- Global bus input, independent inputs per zone
- Trim level adjustment per channel
- Global trigger input/output
- Independent trigger input/output per zone
- Audio sensing per zone
- Auto-switching delay settings per zone
- Rackmountable

PROFESSIONAL TWO-CHANNEL AMPLIFIERS

D250LS 2-Channel Digital Amplifier
Auto-sensing enables localised speaker override for a connected peripheral, such as a TV or PC. Rated 50W/channel RMS at 8 ohms or 75W/channel RMS at 4 ohms. The bridgeable power setting combines channel power for 125W into a single 8-ohm load, 1U 1/2 rack chassis has three mounting options (included).

A2100 Digital Amplifier
The powerful 100W/channel class D amplifier in the A2100 is combined with features such as 12v trigger control, audio sensing, volume gain adjustment, and a buffered line output that enables even more amplification of the same audio signal when needed. 1U 1/2 rack chassis has three mounting options (included).

TV AMPLIFIERS

"The Russound [TVA2.1] is solidly built, it offers all of the features needed to power a pair of speakers, and it sounds clear and robust. Because of its size I was also able to neatly tuck the amp into a TV stand without it looking out of place"
— Robert Archer, CePro

TVA2.1 Digital Two-Channel TV Amplifier with IR Learning and Sub Out

Designed expressly for integrating with flat panel televisions, the TVA2.1 delivers smooth, robust sound for an enhanced viewing experience. On-board IR learning allows its volume to be seamlessly controlled by the TV or cable box's remote control.

- 35W/ch for enhanced TV audio
- Easily mounts behind TVs or in structured wiring cans
- 24-bit/96kHz S/PDIF; optical and analog line-level inputs
- Includes SLM-1 Slim Surface Mount IR Receiver
- IR learning for use with virtually any remote control
- Integrated Subwoofer output

RSF-610

IR Receiver

Your System Remote

Cable Box

Subwoofer
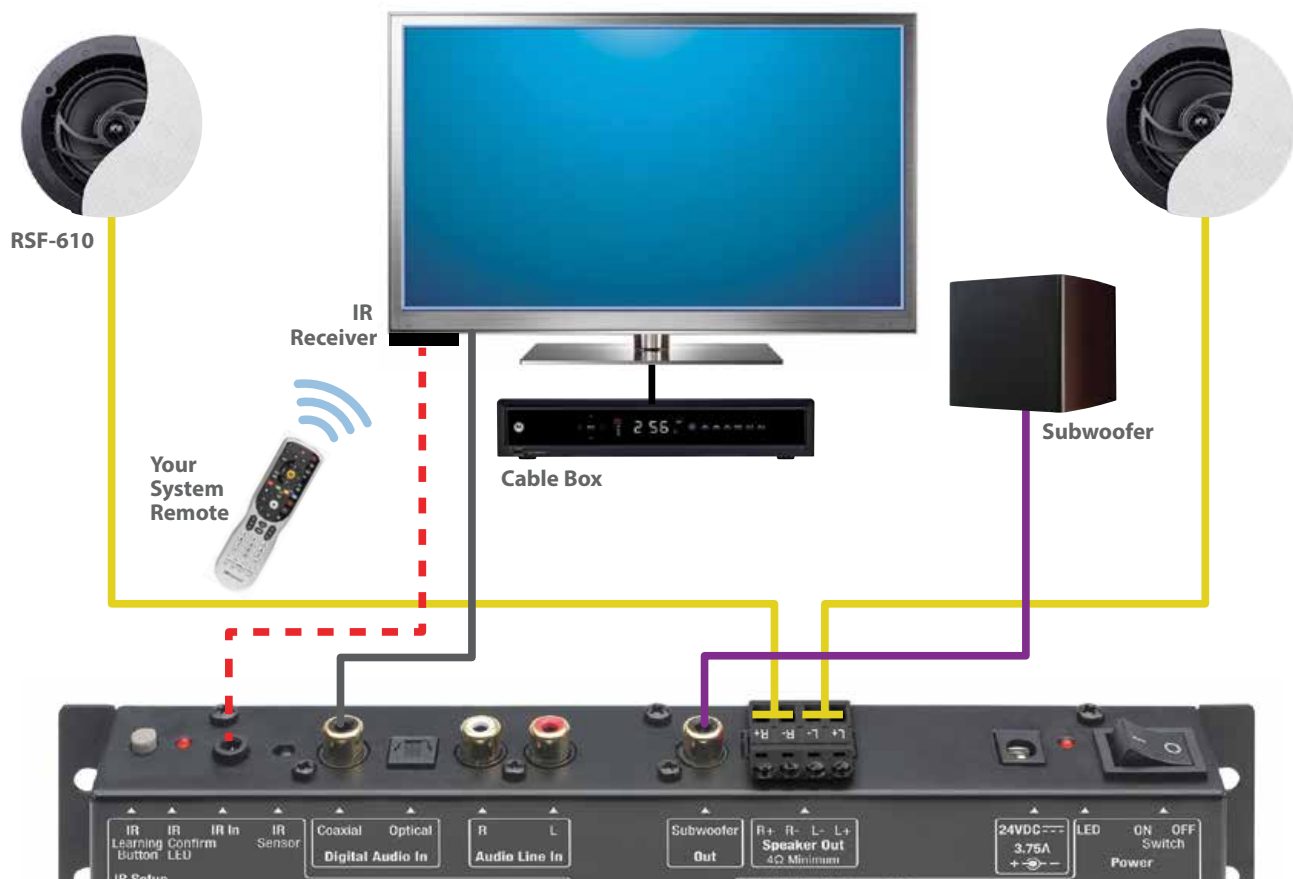
ARCHITECTURAL SPEAKERS

IC-605
Contractor-Grade Loudspeaker
- 6.5" Vacuum-Formed Poly Woofer
- 1/2" PEI Tweeter
- Designed for background listening applications
- Pin-Cushion, EasyGrip™ Design for one-handed install

IC-610
All Purpose Performance Loudspeaker
- 6.5" Vacuum-Formed Poly Woofer
- 3/4" Pivoting Silk Dome Tweeter
- Designed for background listening applications
- Pin-Cushion, EasyGrip™ Design for one-handed install

IC-610T
Single Point Stereo Speaker
- 6.5" Vacuum-Formed Poly w/dual voice coil Woofer
- 2 x 1/2" PEI Tweeter
- Designed for rooms where stereo speaker placement is difficult
- Pin-Cushion, EasyGrip™ Design for one-handed install

IC-620
Enhanced Performance Loudspeaker
- 6.5" Injection molded Poly Woofer
- 1" Pivoting Silk Dome Tweeter
- Swiftlock® Mounting System
- The perfect choice for all primary listening areas of the home

IC-620T
Enhanced Performance Single Point Stereo Loudspeaker
- 6.5" Injection molded Poly Woofer
- 2 x 3/4" Silk Dome Tweeter
- Swiftlock® Mounting System
- Perfect for hallways, small rooms, walk-in closets, etc

IC-630
Premium Performance Loudspeaker
- 6.5" Injection molded Poly w/ vapor deposited titanium Woofer
- 1" Pivoting Titanium Tweeter
- Swiftlock® Mounting System
- Excellent for both music and TV/movie/home theater use

IC-820
Enhanced Performance Loudspeaker
- 8" Injection molded Poly Woofer
- 1" Pivoting Silk Dome Tweeter
- Swiftlock® Mounting System
- Use instead of the IC-620 for larger rooms, or for deeper bass response

IC-820T
Enhanced Performance Single Point Stereo Loudspeaker
- 8" Injection molded Poly Woofer
- 2 x 1" Silk Dome Tweeter
- Swiftlock® Mounting System
- Designed for rooms where stereo speaker placement is difficult

IC-830
Premium Performance Loudspeaker
- 8" Injection molded Poly Woofer with Titanium Cone
- 1" Pivoting Titanium Tweeter
- Swiftlock® Mounting System
- Russound's flagship in-ceiling speaker

IW-620
Enhanced Performance Loudspeaker
- 6.5" Injection molded Poly Woofer
- 1" Pivoting Silk Dome Tweeter
- Swiftlock® Mounting System
- The perfect in-wall choice for all primary listening areas of the home

IW-630
Premium Performance Loudspeaker
- 6.5" Injection molded Poly Woofer with Titanium Cone
- 1" Pivoting Titanium Tweeter
- Swiftlock® Mounting System
- Russound's flagship in-wall speaker

ICG-6R/ICG-8R
Round Grille

ICG-6S/ ICG-8S
Square Grille

SWIFTLOCK BY SWARM

Tool-less installation at the push of a button

ARCHITECTURAL SPEAKERS

Model	Type	Woofer	Tweeter	Power	Freq. Resp.	Sensitivity	Cut-out Dims	Mounting Depth
IC-605	In-Ceiling/In-Wall	6.5" (16.51 cm) Polypropylene Cone	0.5" / (13 mm) Fixed PEI	5-80 W	55Hz - 20kHz	87dB	8.375" (21.27 cm) diameter	3.98" (10.1 cm)
IC-610	In-Ceiling/In-Wall	6.5" (16.51 cm) Polypropylene Cone	0.75" / (19 mm) Pivoting Silk	5-90 W	50Hz - 20kHz	88dB	8.375" (21.27 cm) diameter	3.98" (10.1 cm)
IC-610T	In-Ceiling/In-Wall	6.5" / (16.51 cm) Dual Voice-Coil Injection-Molded Polypropylene cone	2 x 0.5" / (13 mm) Fixed PEI	5-90 W	40Hz - 20kHz	90dB	8.375" (21.27cm) diameter	3.98" (10.1 cm)
IC-620	In-Ceiling/In-Wall	6.5" (16.51 cm) Injection Molded Polypropylene Cone	1" (25mm) Pivoting Silk	5-100 W	47Hz - 20kHz	90dB	8.375" (21.27cm) diameter	3.98" (10.1 cm)
IC-620T	n-Ceiling/In-Wall	6.5" (16.51 cm) Injection Molded Polypropylene Cone	2 x 0.75" / (19 mm) Fixed PEI	5-100 W	40Hz - 20kHz	91dB	8.375" (21.27cm) diameter	3.98" (10.1 cm)
IC-630	In-Ceiling/In-Wall	6.5" (16.51 cm) IM Polypropylene with vapor deposited Titanium cone	1" (25mm) Pivoting Titanium	5-110 W	45Hz - 25kHz	90dB	8.375" (21.27cm) diameter	3.69" (9.37 cm)
IC-820	In-Ceiling/In-Wall	8" (20.3 cm) Injection Molded Polypropylene Cone	1" (25mm) Pivoting Silk	5-120 W	42Hz - 20kHz	92dB	9.875" (25 cm) diameter	5.06" (12.84 cm)
IC-820T	In-Ceiling/In-Wall	8" (20.3 cm) Injection Molded Polypropylene Cone	2 x 1" (25mm) Fixed Silk	5-120 W	38Hz - 20kHz	92dB	9.875" (25 cm) diameter	5.06" (12.84 cm)
IC-830	In-Ceiling/In-Wall	8" (20.3 cm) IM Polypropylene with vapor deposited Titanium cone	1" (25mm) Pivoting Titanium	5-130 W	35Hz - 25kHz	93dB	9.875" (25 cm) diameter	5.06" (12.84 cm)
IW-620	In-Wall	6.5" (16.51 cm) Injection Molded Polypropylene Cone	1" (25cm) Pivoting Silk	5-100 W	47Hz - 20kHz	90dB	11.75" (29.8 cm) x 7.64" (19.4 cm)	3.63" (9.21 cm)
IW-630	In-Wall	6.5" (16.51 cm) Injection Molded Polypropylene Cone	1" (25cm) Pivoting Titanium	5-110 W	42Hz - 25kHz	90dB	11.75" (29.8 cm) x 7.64" (19.4 cm)	3.63" (9.21 cm)

OUTBACK OUTDOOR SPEAKERS

5 Series OutBack Outdoors

The 5 Series OutBack outdoor speakers are designed to provide high quality audio indoors and out, even in the harshest of climates. Each speaker comes with a versatile bracket that allows for flat mounting, corner mounting, or pole mounting. Also included is a stylish pedestal foot that offers an elegant bookshelf mounting option. Available in black or white. Paintable.

Mounting options for the OutBacks include bookshelf foot, pole, flat or corner surface. All options included.
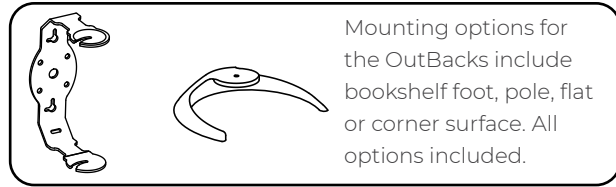
5B55 MK2 5.25" 2-Way
• Colour: Black or White
• 5.25" IMPP Woofer
  1" Teteron™ Tweeter
• 8 Ohms, 10-150 Watts RMS
• 72 Hz - 20 kHz ± 3 dB
• 90 dB SPL (2.83V @ 1m)
• Sold in pairs

5B65mk2 6.5" 2-Way
• Colour: Black or White
• 6.5" IMPP Woofer
   1" Teteron™ Tweeter
• 8 Ohms, 10-150 Watts RMS
• 64 Hz - 20 kHz ± 3 dB
• 91 dB SPL (2.83V @ 1m)
• Sold in pairs

5B65Smk2 6.5" Single Point Stereo
• Colour: Black or White
• 6.5" IMPP Woofer
   1" Teteron™ Tweeter (2)
• 8 Ohms, 10-150 Watts RMS
• 62 Hz - 20 kHz ± 3 dB
• 92 dB SPL (2.83V @ 1m)
• Sold individually

Gray Granite

Sandstone

Weathered Granite

5R82 2-Way 8" 2-Way Rock Speakers
Designed to provide high quality audio in even the harshest of climates while disappearing into the landscape. Includes 3' of burial-rated wire and an integrated security loop for anchoring in place. Sold individually.

• 8" IMPP Woofer
• 0.56" PEIk Tweeter 8 Ohms
• 10-125 Watts RMS

• 48 Hz - 20 kHz ± 3 dB
• 90 dB SPL (2.83V @ 1m)

The beauty of blending in

SAVANT

iRoom iO

avgear

ZIGEN

Just Add
BPower

LUXUL

G
GUDE

NETGEAR®

IC REALTIME

OSD
BLACK

VIVID audio

zappiti

a sound relationship
Russound

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2022
2023