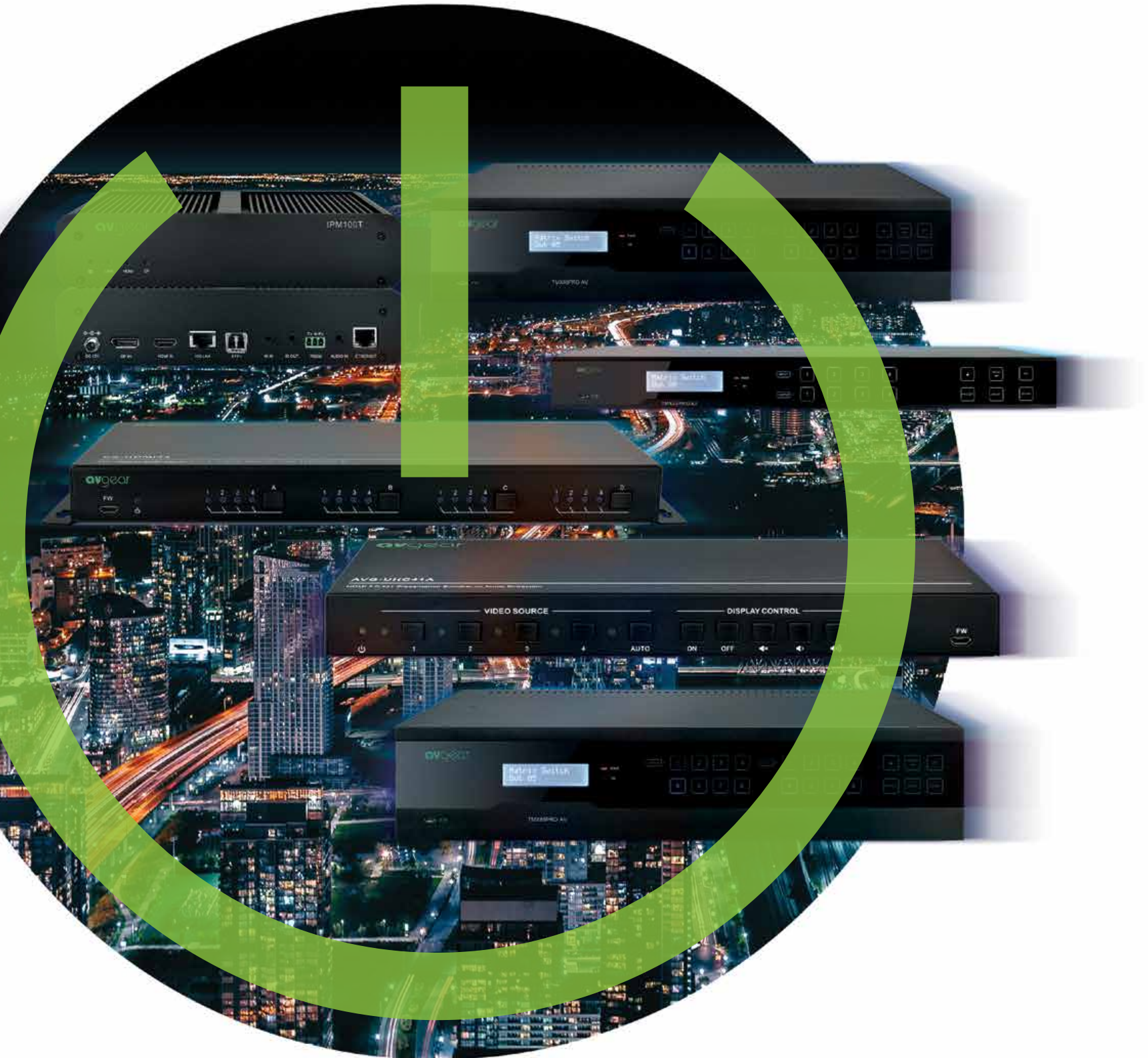


avgear

PRODUCT CATALOGUE 2022



HDBT^{ASE} & HDMITM MATRIX SWITCHER

4K@60Hz
4:4:4



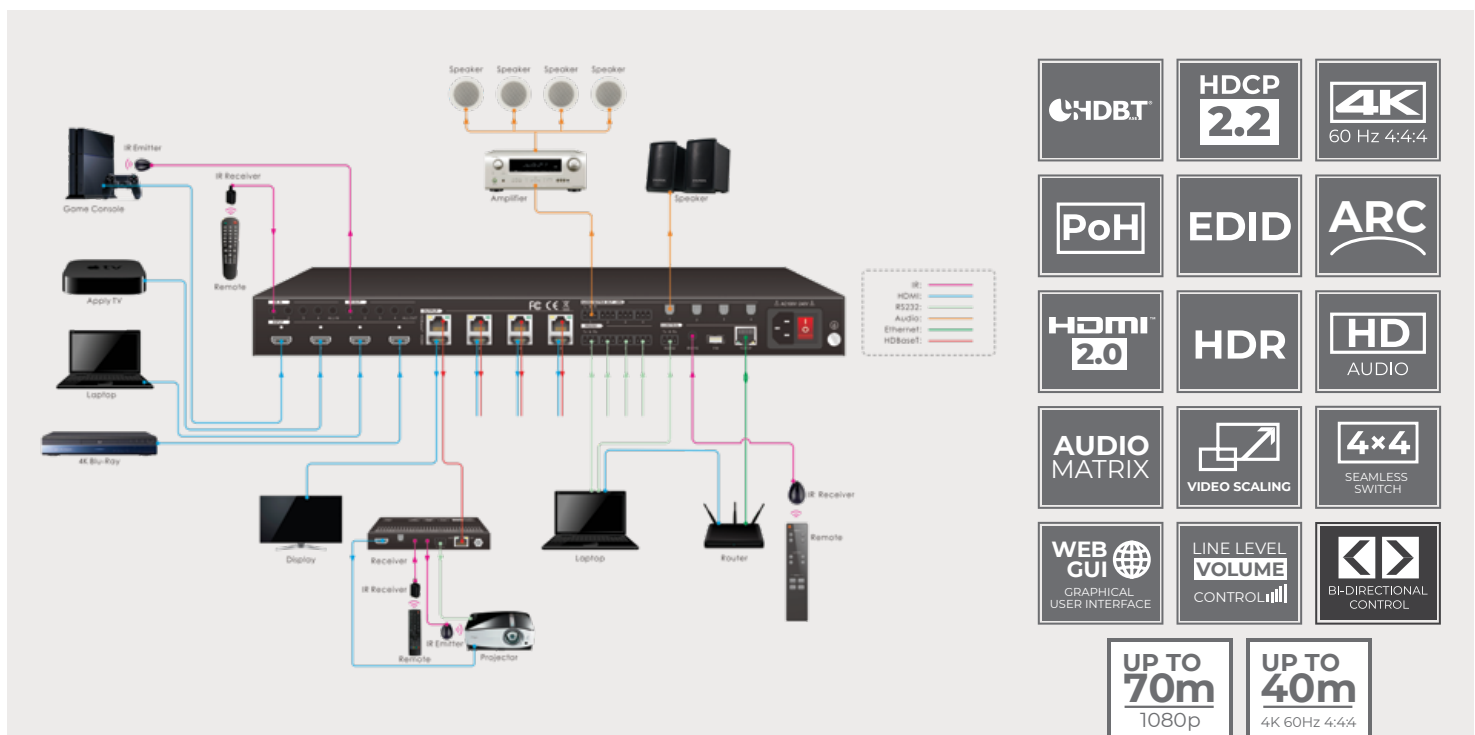
AVG-TMX44PRO AV

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



UHDDBT[®] & HDMI[™] MATRIX SWITCHER

4K@60Hz 4:4:4



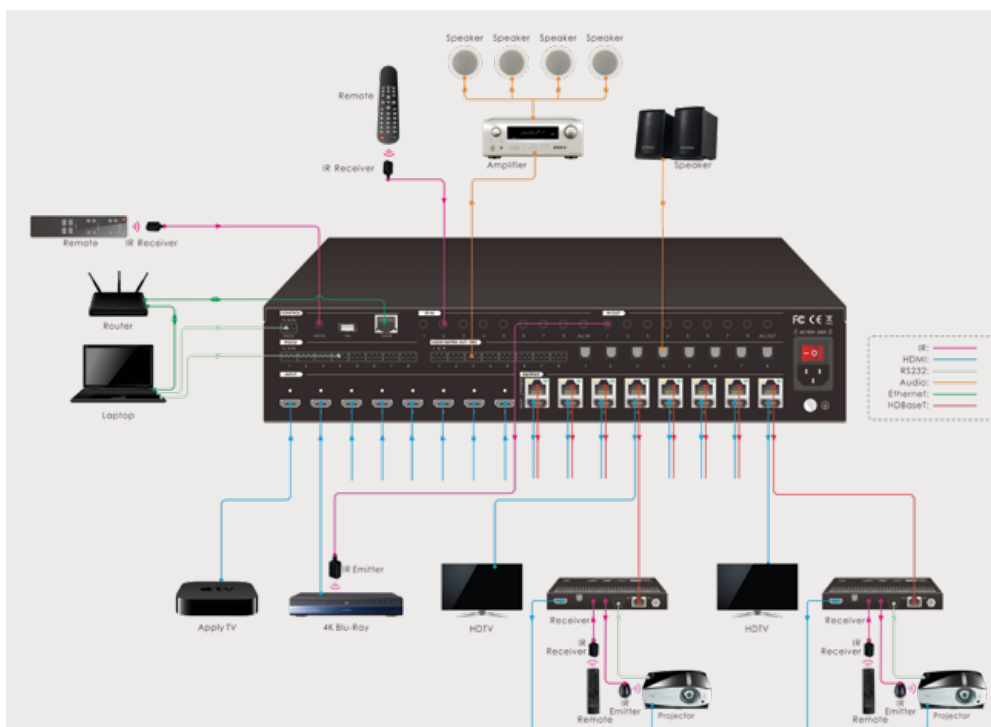
AVG-TMX88PRO AV

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



UHD BT & HDMI™ MATRIX SWITCHER

4K@60Hz 4:4:4



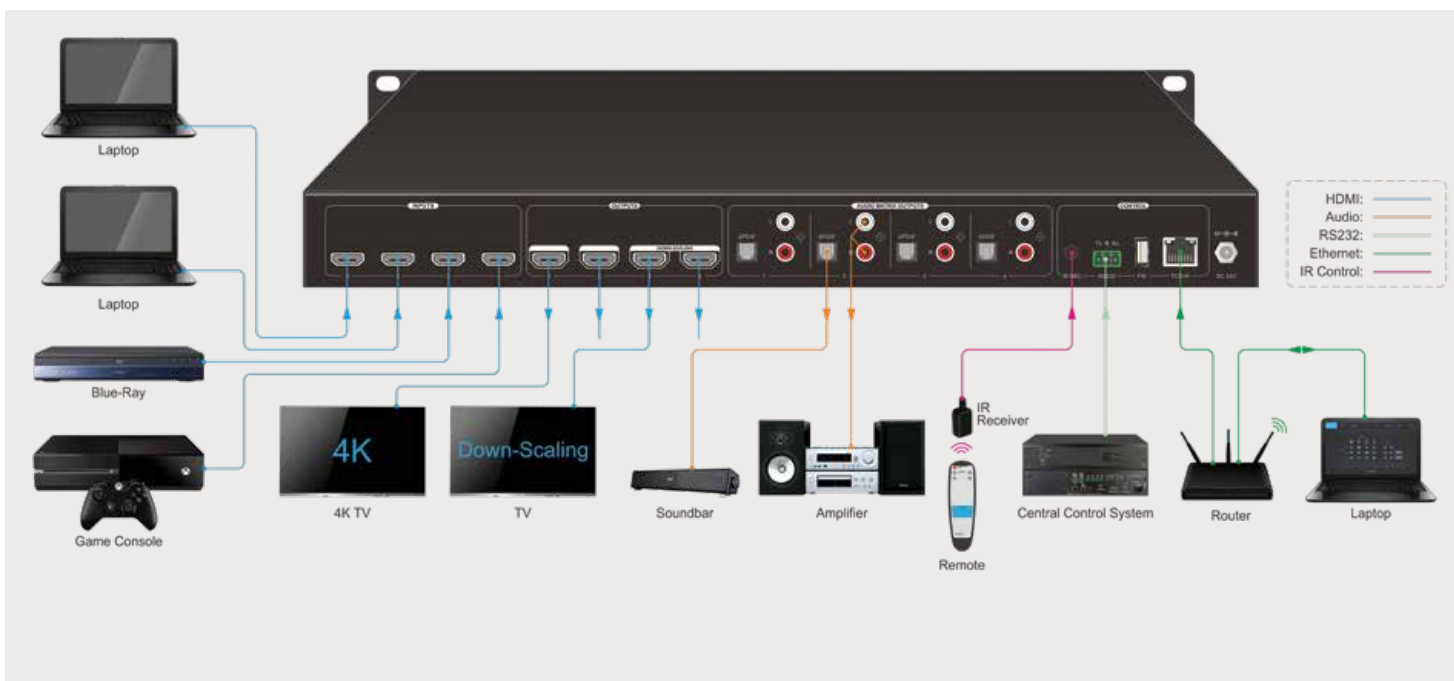
AVG-UHD4K-44 V3

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



4K@60Hz 4:4:4



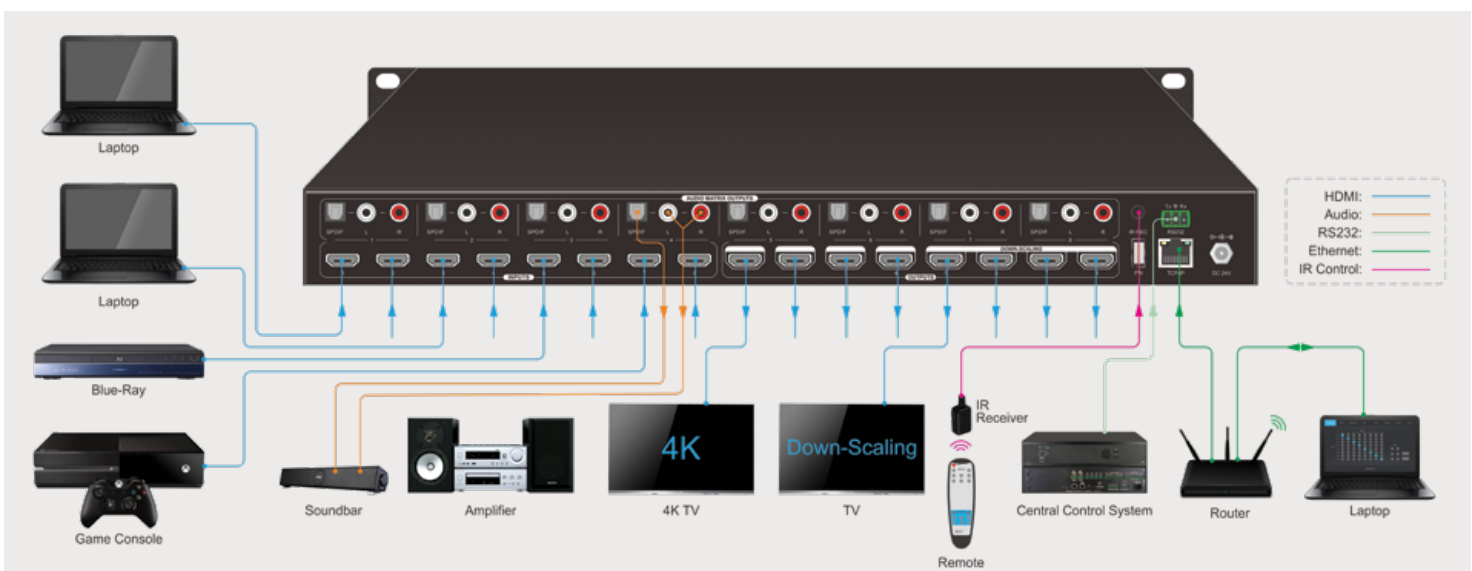
AVG-UHD4K-88 V3

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



UDBT & HDMI™ MATRIX SWITCHER

4K HDMI™ 4x4 Matrix



4K 70M 4x4 Matrix Switcher

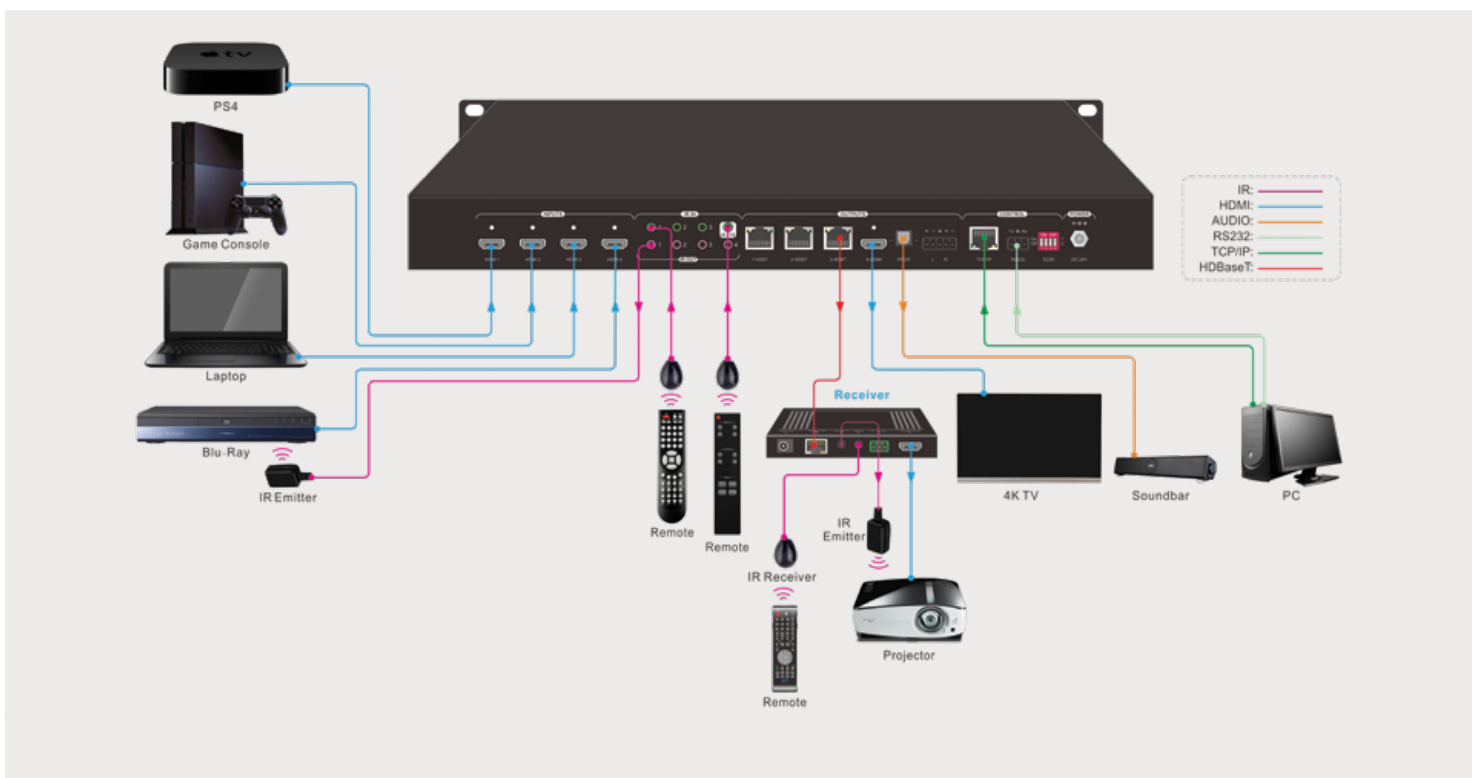
AVG-CS4K-HD44 V3

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



4K HDMI[™] 8x8 Matrix



4K 70M 8x8 Matrix Switcher

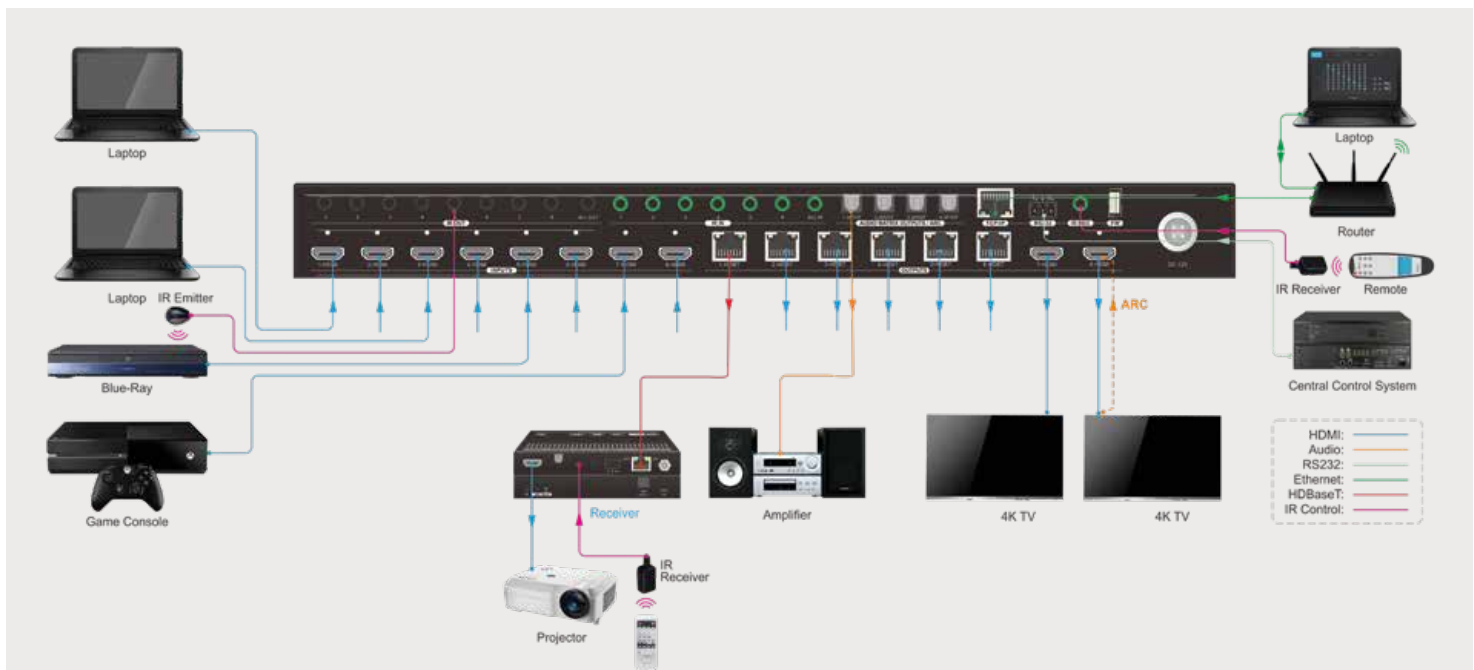
AVG-CS4K-HD88 V3

The AVG-CS4K-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



CHDBT^{ASE} & HDMITM MATRIX SWITCHER

4K HDMITM 4x4 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



CHDBT^{ASE} & HDMITM MATRIX SWITCHER

4K CHDBT^{ASE} 16x14 Matrix



AVG-DM1616TP

4K 16x14+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

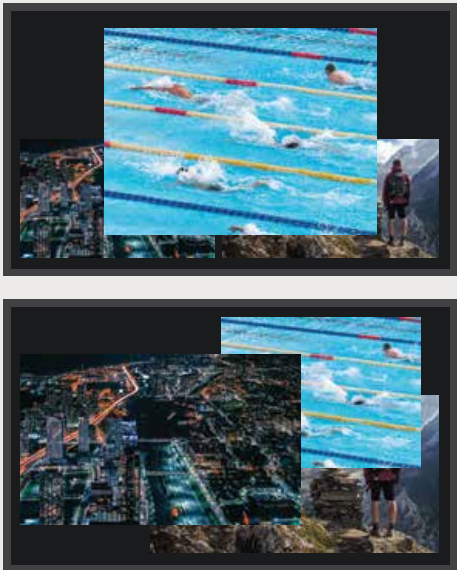
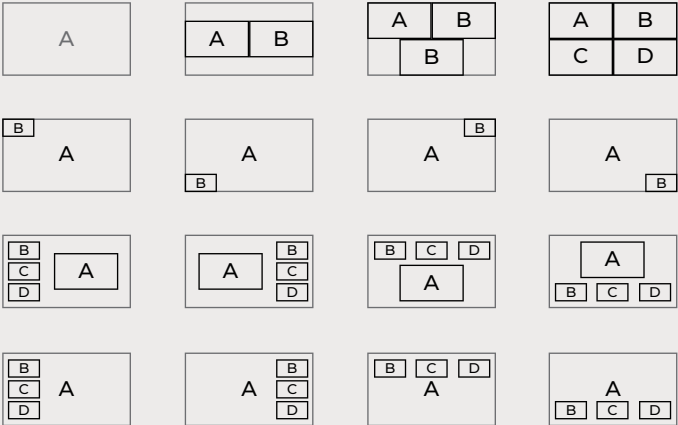


Features

- 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-SGI

- 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.



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

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

- 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-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-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-UHS28

The AVG-UHS28 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 its 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 scalars 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.



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

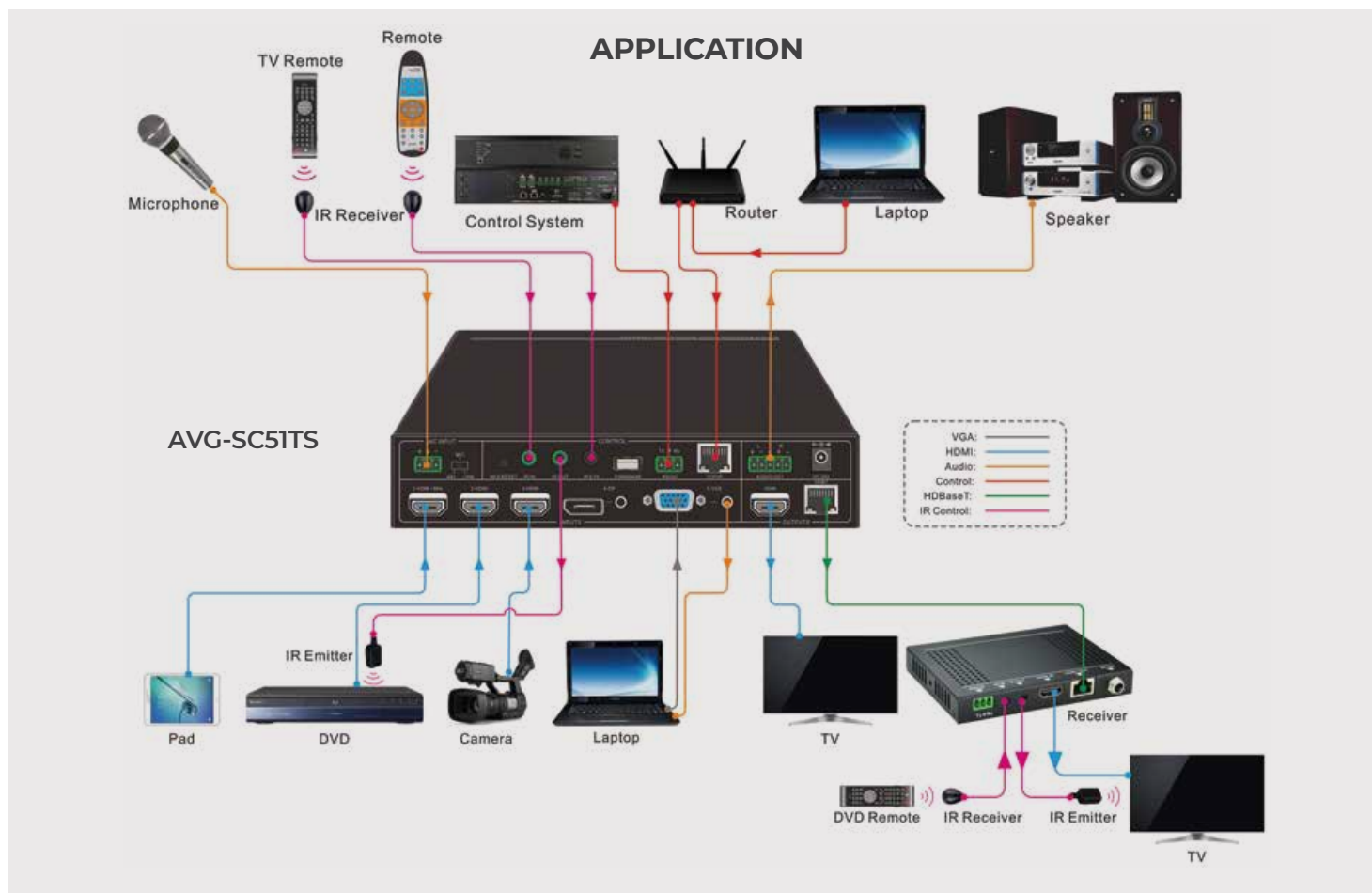
AVG-UHC41A

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



Key Features

- 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



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



EXTENDER COMPARISON

	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	✓



EXTENDER COMPARISON

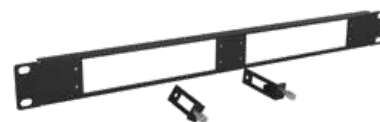
	AVG-HD350A	AVG-HD400DSC	AVG-HD600
Max. Transmission @ 1080P	70m	70m	100m
Max. Transmission @ 4K	40m	40m	100m
Resolution Range	Up to 4Kx2K@60Hz 4:4:4 8bit HDR10	Up to 4Kx2K@60Hz 4:4:4 HDR	Up to 4Kx2K@60Hz 4:4:4
HDMI Standard	2.0	2.0	2.0
HDCP Standard	2.2, 1.4 compliant	2.2, 1.4 compliant	2.2
Transmission Method	UTP	UTP	UTP
Transmission Technology	HDBT	HDBT	HDBT
Infrared Voltage	12V	12V	12V
IR Receiver Included	x	x	x
IR Emitter Included	x	x	x
RS232 Passthrough	✓	✓	✓
Ethernet Passthrough	x	x	✓
CEC Passthrough	✓	✓	x
ARC	✓	x	✓
Audio De-embedding	✓	x	✓
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 x 19.5 x 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

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-IT

The HDWP-IT 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

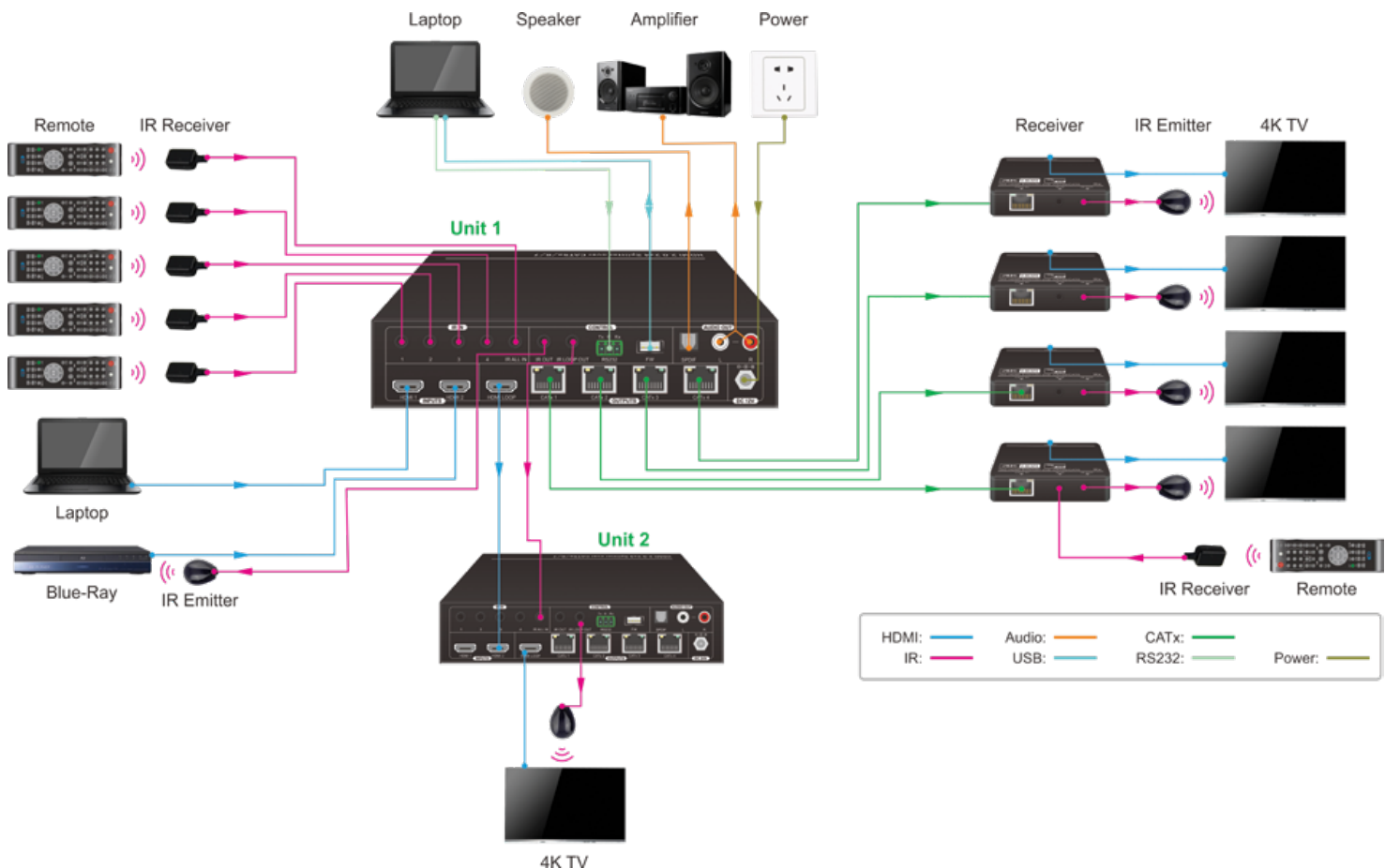


AVG-UDA24-HD70

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



AVG-K12 CLASSROOM KIT

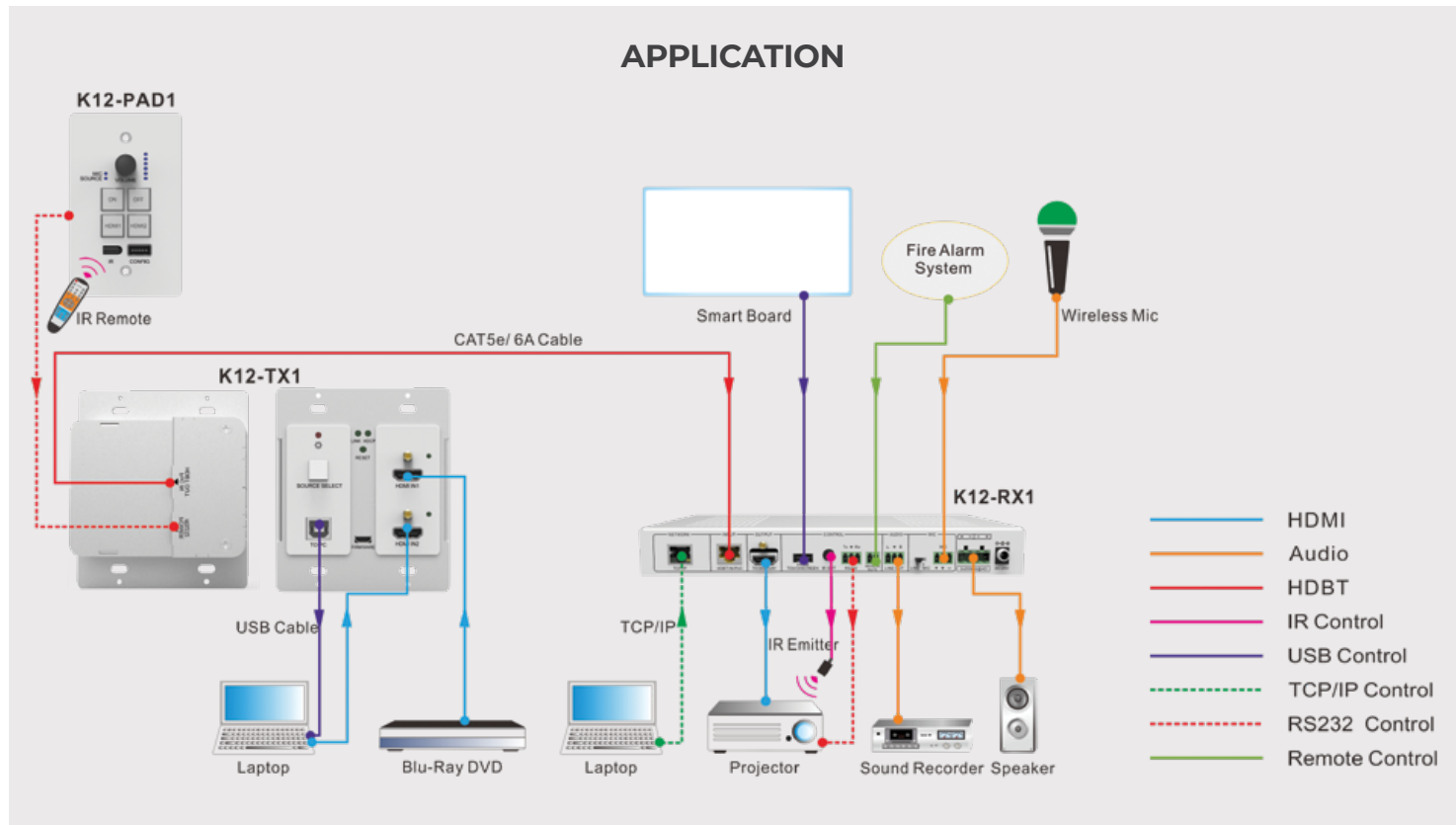


AVG-K12 Classroom Pack

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.

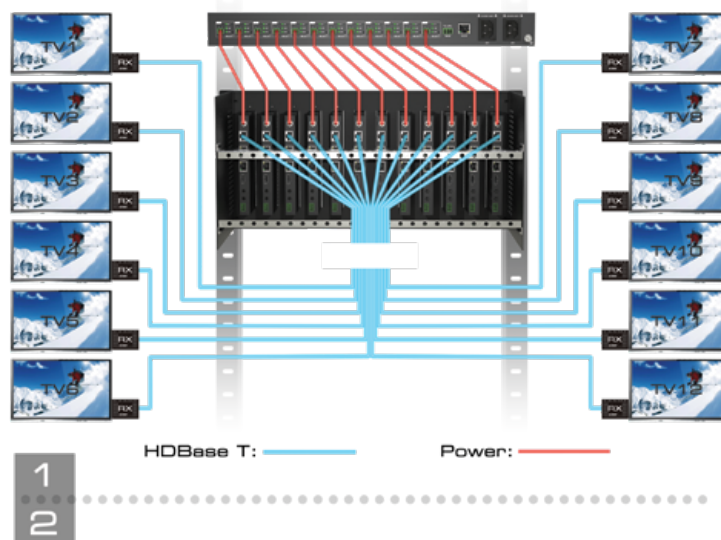
- UL certification approved
- 2 100~240V AC inputs, one is for redundancy
- 12 output zones, each zone provides selectable 5V, 12V, 24V DC output
- Max power consumption is 15 Watts per zone, 12 zones max up to 180W
- Output voltage (5/12/24VDC) can be selected via the TACT Switch on rear panel, RS232 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



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





www.avgear.com.au



+61 7 5580 3300

info@avation.com.au

www.avation.com.au



[linkedin.com/company/avation](https://www.linkedin.com/company/avation)



[facebook.com/AvationHQ](https://www.facebook.com/AvationHQ)



[instagram.com/avationhq](https://www.instagram.com/avationhq)