

# HDANYWHERE

Seamless Entertainment Discreet Technology

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**HDANYWHERE**<sup>™</sup>

HDANYWHERE products work discreetly in the background, connecting AV devices in ways that deliver seamless entertainment experiences in better-designed spaces.

The three principles of HDANYWHERE product development and innovation are centralisation, maximisation and unification.

Our range of MHUB systems enable users to **centralise** video sources so that they're hidden away, thus creating neater, less-cluttered living spaces.

Financial investments in AV devices and content are **maximised** through multiple display usage and enhancements in performance, such as better sound and simpler control.

Entertainment throughout the home becomes a more **unified** experience with consistent content availability and common control at every display.

Ultimately, HDANYWHERE products deliver higher quality audio-visual experiences, pixel perfect images, honed impactful sound and new universal control options, such as app and voice, that fundamentally improve the relationship people have with AV in their homes.

At HDANYWHERE we're proud to be behind your TV.



Chris Pinder  
Founder-CEO of HDANYWHERE



# Our company

Established in 2006, HDANYWHERE (a trading name of HD Connectivity Ltd) is a smart home AV technology company based in Malvern, Worcestershire, England.

Focused on AV connectivity solutions for the residential and light commercial markets. Our core product lines are centralised matrixed video and audio signal switching, routing, amplification and distribution systems - featuring HDA's patented integrated universal controller technology.

In addition, a range of complimentary connectivity products are also available, which include short and long range HDMI cabling/interconnects, HDMI + control extension, HDMI installation problem solving devices and audio accessories.

We distribute our products through a global sales network covering over 25 countries. HDANYWHERE is a fast growing brand enjoying increasing popularity in new markets across the world. In 2017, we began distribution partnerships in 7 new countries and we are looking to grow this further in 2018.

To organise a visit to our visitor centre contact [office@hdanywhere.com](mailto:office@hdanywhere.com) or +44 1684 575 324

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Malvern , Worcestershire  
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WR14 1GF

CEDIA  
MEMBER

UHD  
ALLIANCE

HDBT<sup>TM</sup>

## UK events & exhibitions

### April 26 - Evolving Connectivity

The trade show for the aerial and satellite industry. National Motorcycle Museum, Birmingham.

### May 9-10 - Essential Install Live!

The trade show dedicated to the smart building and home automation industries. Sandown Park, Surrey.

## Global events & exhibitions

### February 6-9 - Integrated Systems Europe

ISE is the largest AV show in the world. RAI Amsterdam, Netherlands. Hall 5 - Booth R85

### August 22-24 - Integrate

Australasia's premier annual AV and Integration trade show. ICC Sydney, Australia

### September 4-8 - CEDIA Expo

The leading global event in smart and home technology. San Diego Convention Center, California, USA

## New in 2018

### New headquarters

2018 marks a new chapter in HDA's history as we move to new, larger premises just one mile away from our current home. Working with BJAD architectural design, the 10k sq ft building is being transformed into a modern, high spec workspace "bespoke fit" for HDA, housing all department offices, a training and experience centre, as well as R&D labs and product assembly line.

### Around the World

After signing with some great distribution partners in 2017 covering Benelux, Germany, Italy, India, New Zealand and South Africa. In 2018 we will build on this by launching in Australasia, EMEA and others around the world.

### Innovations & IP

The UK Intellectual Property Office granted early in 2018 the UK patent for uControl IP-to-IR-Gen. The patent has also been filed (pending) in all important world wide markets.

### Reshoring manufacture

With MHUB AUDIO the entire product is designed and assembled in Worcestershire, England. By leveraging the experience of industry-leading audio technology companies in the local area, we're able to build a product that's competitively priced, but with the quality the world has come to expect from British electronics brands.

## Recent achievements

**Manufacturer of the Year**  
Essential Install Magazine



**Gold - Video Distribution**  
SVI Magazine



**Gold - Specialist App**  
SVI Magazine



**Silver - Interconnect/Cable**  
SVI Magazine



**Finalist - Best Software**  
CEDIA (EMEA)



# Centralise, maximise & unify whole-home AV

## Maximise

### Value & access

Financial investments in AV devices and content are maximised through multiple display usage. MHUB connects the households assorted mix of AV devices in a way that delivers a completely seamless entertainment experience that is also consistent and controllable at every display location.

### Performance

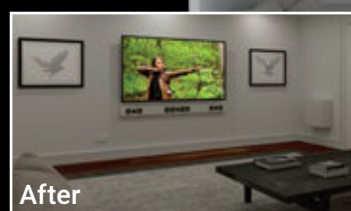
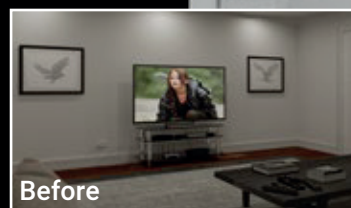
MHUB delivers higher quality audio-visual experiences with pixel-perfect Ultra HD Premium images, and impactful sound.

## Centralise

### Less-cluttered living spaces

Able to deliver premium multiroom Ultra HD 4K video, audio and amplification from minimal hardware, hidden away in the background in neater-designed living spaces.

Our range of MHUB systems enable users to centralise video sources so that they're hidden away, creating less-cluttered and better-designed living spaces.





## Unify

### Content & control

Access to entertainment becomes a more unified experience with consistent content availability and common control at every display.

More modern universal control options, such as app and voice are a standard feature of MHUB systems, offering the user a varied selection of ways to command their AV experiences.

### App: uControl

Automatic pairing by the HDANYWHERE uControl universal remote app extends seamlessly across both MHUB PRO and MHUB AUDIO into one easy-to-use interface.

### Voice: Amazon Alexa

Alexa voice commands can be used to control both video and audio at each TV location for the ultimate hands-free convenience.

### Others

MHUB is also easy-to-use and setup with a wide-range of third party control systems and off-the-shelf universal remotes.

HDA



LOXONE



logitech



Control4

ELAN



SAVANT

NEEO







**“The majority of HDMI matrix switchers cannot be used standalone. They have a dependence upon third-party controllers to make them anywhere near useful. We have never felt comfortable with this risky reliance on other brand’s boxes to make our hardware usable. So it was a big moment for us when uControl launched in the App Store and we were finally able to provide an included control solution for a whole-home AV system straight out of the box.”**

**Chris Pinder**

# Unintimidating control

HDANYWHERE has developed its own control solution, which utilises a patented IP-to-IR gateway and controller within every MHUB, the HDA Cloud service and a free universal remote app called uControl.

## App control

uControl can control the media sources and displays connected to any MHUB via IR and IP over WiFi, with a mobile device instead of multiple remotes. uControl offers all the control needed for most AV scenarios in every room of the whole-home system. There is no need for a separate controller; it is integrated within the matrix itself.

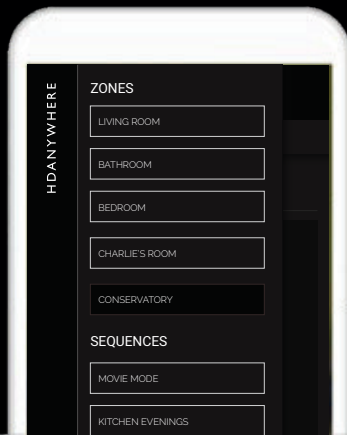
The 'u' in uControl stands for a lot of things, **unintimidating**, in that it's easy to set up, even when creating sequences, and its simple to operate for the end-user with familiar button layouts and gesture control. It is **universal** in that it works with any IR controllable device and it is **unique** for each installation.

## Voice control

Controlling home entertainment with your voice is made a lot simpler by leveraging MHUB's patented IP-to-IR gateway and controller. Short sentences can trigger sequences of commands that will for example: turn on the TV, switch to the right source, and go directly to the desired channel - all by just saying simply, "Alexa, watch BBC News" when you walk into the room.

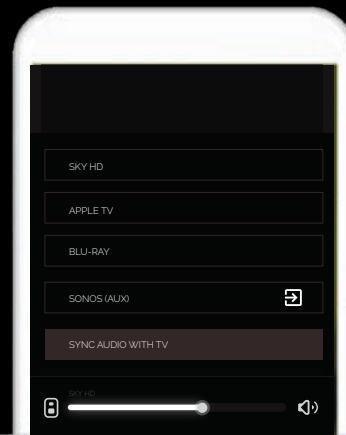
HDA





#### No programming or expertise required

uControl is a beautifully simple app, which gives users AV control in every room from their phone or tablet and requires no expertise to setup.



#### Perfect with MHUB AUDIO

uControl supports every MHUB system including the new MHUB AUDIO for comprehensive and easy-to-use AV control in every room.



#### Customisable

uControl is fully customisable. Hide rooms/sources, change design themes, button borders & add pictures of each zone making every app instance unique.



#### App or voice: both are the same

Turn off all the TVs in the home with a single voice command. Pause, play or navigate to your favourite channel. There is no need to use your remote.

## Third party control & IO

With the release of the uControl universal IR remote app, we have made the matrix a far more useful system component. Open API access and ready-made drivers also demonstrates our continued commitment to providing the easiest integration for professionals. In a world of emerging home control and automation interfaces such as apps, voice control and universal remotes, HDA offers the easiest possible integration via our ready-made drivers and open system API. Using our open API it is possible to write your own control driver, leveraging the full power of MHUB to create unique and bespoke solutions easily.



# MHUB-OS & HDA Cloud

MHUB-OS is the operating system at the heart of all MHUB models, presenting a 'dashboard' of status information and settings. It allows users to configure the MHUB setup, including pairing with MHUB AUDIO, Cloud Access, Network Settings, EDID management, uControl and more, from a phone or computer without the need for a separately installed software program. HDA Cloud offers a secure online portal to remotely access, monitor and manage any network-connected MHUB system around the world.



# New products for 2018

## MHUB AUDIO



HDA are boldly entering the world of multiroom audio with the MHUB AUDIO 4-zone matrix-amp. Plus a range of add-on audio accessories, including a DAC, ADC and Optical Splitter.

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DAC

**Page 44**



ADC

**Page 45**



Optical Splitter

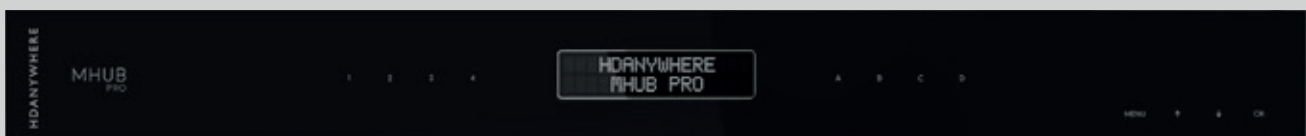
**Page 46**



HDMI Scaler and Audio Manager

**Page 35**

## MHUB PRO 40



A new, more cost-effective variant of our connectivity-rich, audio downmixing 4x4 MHUB PRO matrix system has a slight specification difference that allows it to compete and win in true like-for-like system cost comparisons. **Page 19**



# XTND

Three new slender HDMI extenders, including new 18Gbps solutions for 4K HDR, 150m extension and ARC.

Pages 29-34



1x2 Splitter MAX  
Supporting the full HDMI 2.0 (a/b) 18Gbps max data rate and HDCP 2.2 content.

Page 36



1x4 Splitter MAX  
Supporting the full HDMI 2.0 (a/b) 18Gbps max data rate and HDCP 2.2 content.

Page 37

## 18G MAX Cables

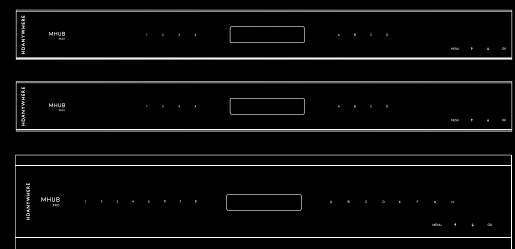
Plus a full range of dependable 18G HDMI cable solutions from 50cm to 100 metres, capable of carrying the most premium UHD/4K 60 4:4:4 content, with all HDR formats. Plus a full range of dependable 18Gbps HDMI interconnects from 50 cm to 100 metre fibre-optic cables.

**Pages 38-40**

- 4K  
40/70m
- HDMI 2.0  
HDCP 2.2
- HDBT  
Class A/B
- All zones
- Scaling
- Manageable

# MHUB PRO

4K Ultra HD AV Matrix Switch with Audio Downmixing





# MHUB PRO (8x8) 70

Product code: MHUB4KPRO88



Connectivity-rich professional series 8x8 HDMI/HDBT+mirror matrix system with long-range video (4K 70m/1080p 100m), network extension and powerful control options. A 'one-wire' UHD/4K-capable whole-home AV hub, that hides home entertainment devices centrally and makes them universally available on every display. All easily-controlled via the free uControl app or with the hands-free convenience of Alexa voice control - also features remote monitoring and management via HDA Cloud, designed to reduce the necessity for callouts and site visits. Capable of carrying Ultra HD 4K + support for HDR and Dolby Vision®. Integration needs are well catered for, with each of the eight display outputs featuring both multichannel digital audio extraction and stereo downmixing, making for easy integration with multizone amplifiers or audio matrices.

## FEATURES

HDMI® 2.0 features supported up to 10.2Gbps
Backlit fade in/out touch panel controls
All display receivers powered via PoH
Web GUI for easy config and setup (MHUB-OS)
Remote system monitoring and management (HDA Cloud)
Advanced EDID management
Supports HDCP 2.2 Ultra HD 4K 24/30Hz 4:2:2 (HDR10) or 60Hz 4:2:0 (HDR 8bit) + support for Dolby Vision and HLG.
Supports all current audio formats up to and including Dolby Atmos® and DTS:X®
Multichannel audio extraction via digi-coax, or audio downmix via stereo jack
Easy and instant integration with MHUB AUDIO
4K>1080 down/up-scaling receiver option available

## SPECIFICATIONS

Form factor	19"/2U aluminum rack-mountable unit
Inputs x outputs	8 HDMI x 8 RJ45 HDBaseT + 8 mirrored HDMI
Transmission tech.	HDBaseT Class A and HDMI
Video bandwidth	340MHz clock / 10.2Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Hub control	Web GUI, IR, TCP/IP, RS232, App, Alexa
App control	Full control over sources, matrix hub & display functions.
Device weight	Hub 4600g RX 192g
Package weight	8000g
Dimensions (W/D/H)	Hub 440 / 380 / 90mm (without feet) RX 163 / 94 / 19mm
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	30W (max) 0.5W (standby)
Guarantee	3/4-year guarantee (Cloud registration required)

## CONTROL




Universal App control sources & displays



Native Amazon Alexa Voice control



3rd party control via IP/RS232



Included IR remote control

# MHUB PRO (4x4) 70

Product code: MHUB4KPRO44



Connectivity-rich professional series 4x4 HDMI/HDBT+mirror matrix system with long-range video (4K 70m/1080p 100m), network extension and powerful control options. A 'one-wire' UHD/4K-capable whole-home AV hub, that hides home entertainment devices centrally and makes them universally available on every display. All easily-controlled via the free uControl app or with the hands-free convenience of Alexa voice control - also features remote monitoring and management via HDA Cloud, designed to reduce the necessity for callouts and site visits. Capable of carrying Ultra HD 4K + support for HDR and Dolby Vision®. Integration needs are well catered for, with each of the four display outputs featuring both multichannel digital audio extraction and stereo downmixing, making for easy integration with multizone amplifiers or audio matrices.

## FEATURES

HDMI® 2.0 features supported up to 10.2Gbps
Backlit fade in/out touch panel controls
All display receivers powered via PoH
Web GUI for easy config and setup (MHUB-OS)
Remote system monitoring and management (HDA Cloud)
Advanced EDID management
Supports HDCP 2.2 Ultra HD 4K 24/30Hz 4:2:2 (HDR10) or 60Hz 4:2:0 (HDR 8bit) + support for Dolby Vision and HLG.
Supports all current audio formats up to and including Dolby Atmos® and DTS:X®
Multichannel audio extraction via digi-coax, or audio downmix via stereo jack
Easy and instant integration with MHUB AUDIO
4K>1080 down/up-scaling receiver option available

## SPECIFICATIONS

Form factor	19"/1U aluminum rack-mountable unit
Inputs x outputs	4 HDMI x 4 RJ45 HDBaseT + 4 mirrored HDMI
Transmission tech.	HDBaseT Class A and HDMI
Video bandwidth	340MHz clock / 10.2Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Hub control	Web GUI, IR, TCP/IP, RS232, App, Alexa
App control	Full control over sources, matrix hub & display functions.
Device weight	Hub 2400g RX 192g
Package weight	3500g
Dimensions (W/D/H)	Hub 440 / 284 / 45mm (without feet) RX 163 / 94 / 19mm
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	30W (max) 0.5W (standby)
Guarantee	3/4-year guarantee (Cloud registration required)

## CONTROL

<p>Universal App control sources &amp; displays</p>	<p>Native Amazon Alexa Voice control</p>	<p>3rd party control via IP/RS232</p>	<p>Included IR remote control</p>
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# MHUB PRO (4x4) 40

Product code: MHUBPRO4440



Connectivity-rich professional series 4x4 HDMI/HDBT+mirror matrix system with long-range video (4K 40m/1080p 70m) and powerful control options. A 'one-wire' UHD/4K-capable whole-home AV hub, that hides home entertainment devices centrally and makes them universally available on every display. All easily-controlled via the free uControl app or with the hands-free convenience of Alexa voice control - also features remote monitoring and management via HDA Cloud, designed to reduce the necessity for callouts and site visits. Capable of carrying Ultra HD 4K + support for HDR and Dolby Vision®. Integration needs are well catered for, with each of the four display outputs featuring both multichannel digital audio extraction and stereo downmixing, making for easy integration with multizone amplifiers or audio matrices.

## FEATURES

HDMI® 2.0 features supported up to 10.2Gbps
Backlit fade in/out touch panel controls
All display receivers powered via PoH
Web GUI for easy config and setup (MHUB-OS)
Remote system monitoring and management (HDA Cloud)
Advanced EDID management
Supports HDCP 2.2 Ultra HD 4K 24/30Hz 4:2:2 (HDR10) or 60Hz 4:2:0 (HDR 8bit) + support for Dolby Vision and HLG.
Supports all current audio formats up to and including Dolby Atmos® and DTS:X®
Multichannel audio extraction via digi-coax, or audio downmix via stereo jack
Easy and instant integration with MHUB AUDIO
4K>1080 down/up-scaling receiver option available


## SPECIFICATIONS

Form factor	19"/1U aluminum rack-mountable unit
Inputs x outputs	4 HDMI x 4 RJ45 HDBaseT + 4 mirrored HDMI
Transmission tech.	HDBaseT Class B and HDMI
Video bandwidth	340MHz clock / 10.2Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Hub control	Web GUI, IR, TCP/IP, RS232, App, Alexa
App control	Full control over sources, matrix hub & display functions.
Device weight	Hub 2400g RX 125g
Package weight	3500g
Dimensions (W/D/H)	Hub 440 / 284 / 45mm (without feet) RX 140 / 65 / 17mm
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	30W (max) 0.5W (standby)
Guarantee	3/4-year guarantee (Cloud registration required)

## CONTROL



Universal App control sources & displays



Native Amazon Alexa Voice control



3rd party control via IP/RS232



Included IR remote control

- 4K  
40m
- HDMI 2.0  
HDCP 2.2
- HDBT  
Class B
- 1 zone
- Scaling
- Monitorable

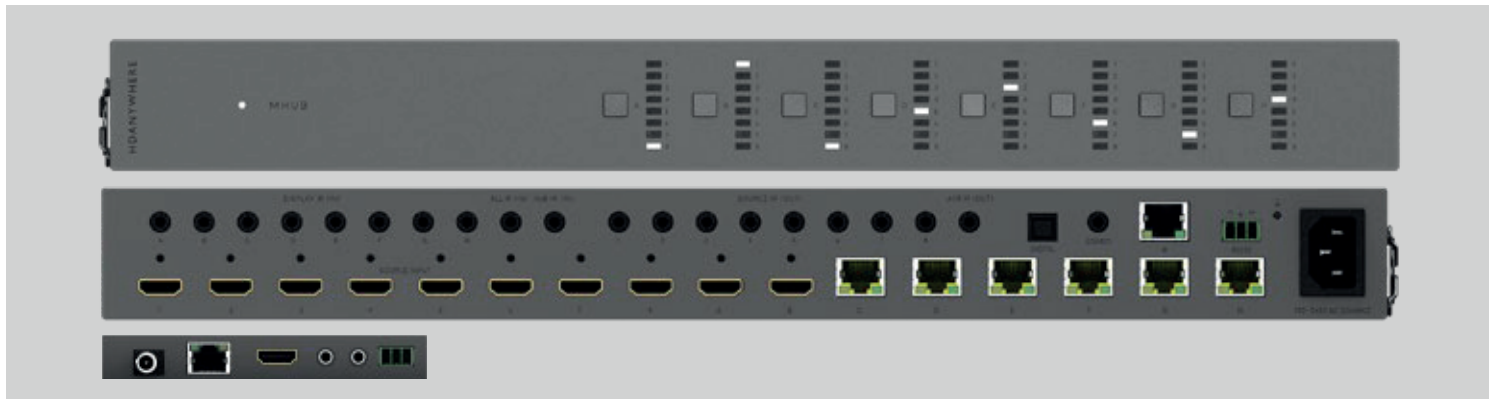
# MHUB

4K Ultra HD AV Matrix Switch



# MHUB (8x6+2)

Product code: MHUB862U



Cloud-monitorable 8x6+2 HDMI/HDBT+HDMI matrix system with a 40m UHD 4K or 70m 1080p transmission range. An integrated IP>IR control processor enables property-wide control of all the connected sources and displays via the free uControl universal remote App or Alexa voice commands.

Multichannel audio or stereo extraction can be selected to occur matched to any of the display zone outputs A-H. Remote cloud monitoring is also possible, designed to reduce the necessity for callouts and site visits.


## FEATURES

HDMI® 2.0 features supported up to 10.2Gbps
All display receivers powered via PoH
2x IR over HDMI injector dongles included
Web GUI for easy config and setup (MHUB-OS)
Remote system monitoring (HDA Cloud)
Advanced EDID management
Supports HDCP 2.2 Ultra HD 4K 24/30Hz 4:2:2 (HDR10) or 60Hz 4:2:0 (HDR 8bit) + support for Dolby Vision and HLG.
Supports all current audio formats up to and including Dolby Atmos® and DTS:X®
Multichannel audio or stereo extraction via digi-coax, or via 3.5mm stereo jack
4K>1080 down/up-scaling receiver option available


## SPECIFICATIONS

Form factor	19"/1U aluminum rack-mountable unit
Inputs x outputs	8 HDMI x 6 RJ45 HDBaseT + 2 HDMI
Transmission tech.	HDBaseT Class B and HDMI
Video bandwidth	340MHz clock / 10.2Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Hub control	Web GUI, IR, TCP/IP, RS232, App, Alexa
App control	Full control over sources, matrix hub & display functions.
Device weight	Hub 2400g RX 125g
Package weight	3500g
Dimensions (W/D/H)	Hub 440 / 284 / 45mm (without feet) RX 140 / 65 / 17mm
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	30W (max) 0.5W (standby)
Guarantee	2/3-year guarantee (Cloud registration required)


## CONTROL




Universal App control sources & displays



Native Amazon Alexa Voice control



3rd party control via IP/RS232



Included IR remote control

# MHUB (4x3+1)

Product code: MHUB431U



Cloud-monitorable 4x3+1 HDMI/HDBT+HDMI matrix system with a 40m UHD 4K or 70m 1080p transmission range. An integrated IP>IR control processor enables property-wide control of all the connected sources and displays via the free uControl universal remote App or Alexa voice commands.

Multichannel audio or stereo extraction can be selected to occur matched to any of the display zone outputs A,B,C or D. Remote cloud monitoring is also possible, designed to reduce the necessity for callouts and site visits.


## FEATURES

HDMI® 2.0 features supported up to 10.2Gbps
All display receivers powered via PoH
IR over HDMI injector dongle included
Web GUI for easy config and setup (MHUB-OS)
Remote system monitoring (HDA Cloud)
Advanced EDID management
Supports HDCP 2.2 Ultra HD 4K 24/30Hz 4:2:2 (HDR10) or 60Hz 4:2:0 (HDR 8bit) + support for Dolby Vision and HLG.
Supports all current audio formats up to and including Dolby Atmos® and DTS:X®
Multichannel audio or stereo extraction via digi-coax, or via 3.5mm stereo jack
4K>1080 down/up-scaling receiver option available


## SPECIFICATIONS

Form factor	Compact unit. Rack-mountable with optional 19"/1U kit (1.85.910.002.1)
Inputs x outputs	4 HDMI x 3 RJ45 HDBaseT + 1 HDMI
Transmission tech.	HDBaseT Class B and HDMI
Video bandwidth	340MHz clock / 10.2Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Hub control	Web GUI, IR, TCP/IP, RS232, App, Alexa
App control	Full control over sources, matrix hub & display functions.
Device weight	Hub 1900g RX 125g
Package weight	2500g
Dimensions (W/D/H)	Hub 372 / 167 / 36mm (without feet) RX 140 / 65 / 17mm
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	30W (max) 0.5W (standby)
Guarantee	2/3-year guarantee (Cloud registration required)


## CONTROL




Universal App control sources & displays



Native Amazon Alexa Voice control



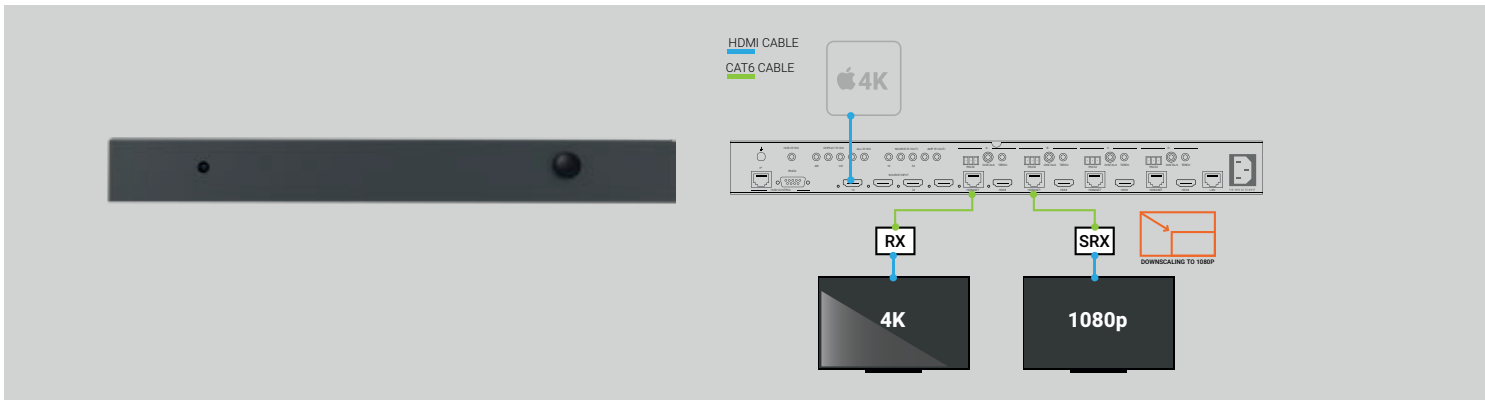
3rd party control via IP/RS232



Included IR remote control

# MHUB 'SRX' Scaling Receiver

Product code: 1.15.904.008.1



Delivering end-to-end 4K/60 Hz switching and scaling, including support for HDCP 2.2 - the MHUB SRX scaling display receiver is a simple way to overcome the real-world problem of utilising a mix of UHD/4K and 1080p TVs, or projectors within the same centralised AV system, whilst ensuring every connected display always operates at best capability. The SRX eliminates the requirement for additional scaler boxes and their accompanying power supplies in the 1080p zones, achieving easier integration of older displays, but with less HDA hardware. The addition of a high quality scaling chip into a display receiver simplifies, what would otherwise be complex installs, to deliver brilliant razor-sharp images and smooth motion on every single display.

## FEATURES

Downscale 4K sources to properly display on 1080p displays
Compatible display receiver/endpoint for all MHUB 4K matrix models
Frame rate (Hz) is matched (e.g. 4K/50/60 downscales to 1080p/50/60 and 4K/24/30 downscales to 1080p/24/30)
Colour space is converted to RGB 444 8-bit at all times, apart from 1080p 60Hz signals that are converted to YUV 420
Upscales 1080p content to display on the latest UHD/4K displays at up to 60 Hz
3D Signals are passed through without being scaled
Single cable solution, powered from the MHUB using PoH
Able to carry 10/100 Ethernet when used with MHUB PRO 70
Up to Dolby Atmos and Dolby DTS:X pass through
HDCP compliant to highest display capability

## SPECIFICATIONS

Form factor	Lightweight slender aluminium enclosure
Inputs / outputs	RJ45 HDBaseT in / HDMI out / 2x RJ45 LAN (10/100) / RS232 / 2x IR 3.5mm jack (in = to TX / out = from TX)
Transmission tech.	HDBaseT Class A
Video bandwidth	340MHz clock / 10.2Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Control	Bi-directional IR and RS232
Device / Package weight	213 / 319 g
Dimensions (W/D/H)	164 / 94 / 19 mm
Power	24V/1A DC screw type connector (US/EU standards, CE/FCC/UL certified)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	9.5W (max)
Guarantee	To match MHUB used with TX (2-year if sold separate)

# MHUB + XTND Integration Kit

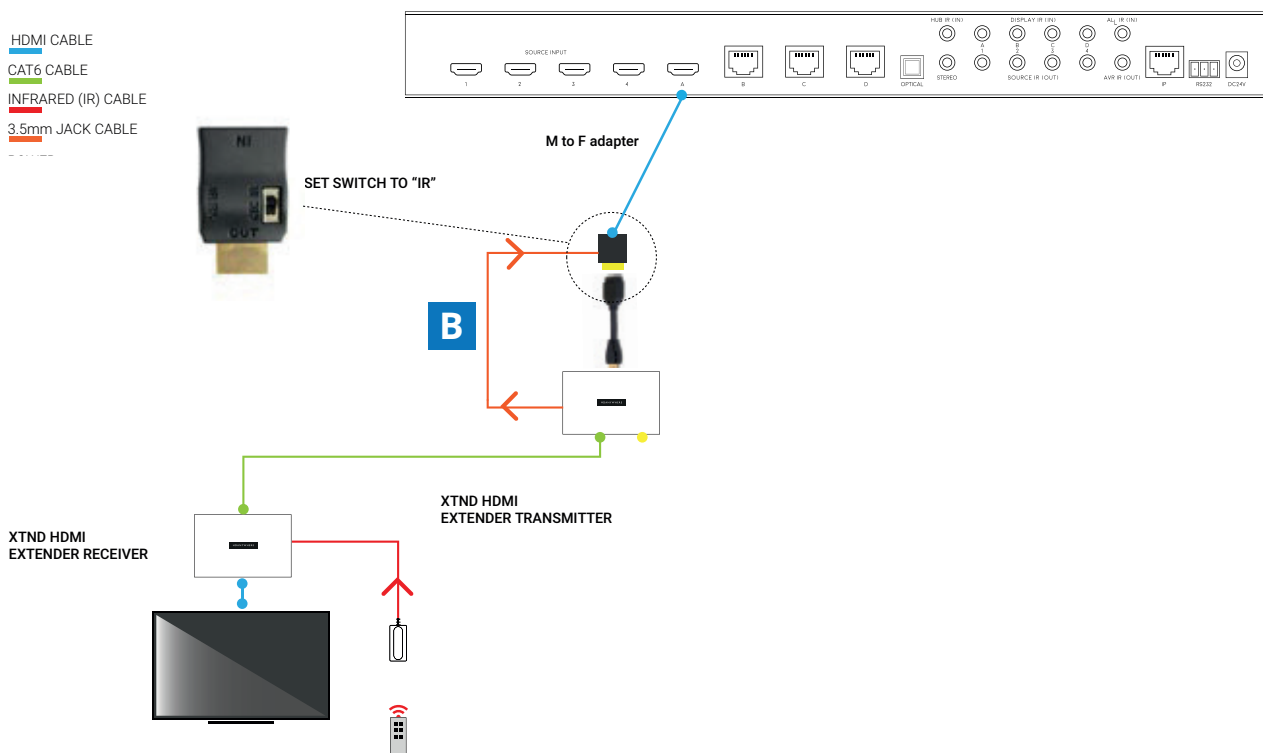
Product code: 2.50.792



## Using an XTND extender set with MHUB

The 'MHUB+XTND Integration Kit' is designed to enable the elegant and easy use of an XTND HDMI extender kit on one of the zone HDMI outputs of an MHUB432/862 matrix system. Whilst retaining IR passback for control of connected source devices from the XTND receiver location. The kit contains a short male-to-female HDMI port saver adapter (12cm), which stops neighbouring ports becoming obstructed by the HDMI-IR dongle.

A 3.5mm to 3.5mm (90 degree) IR jack cable (23cm) is also included for a neat, direct IR connection between the IR port on the XTND and the HDMI-IR dongle.







# MHUB MAX

4K Ultra HD Premium (18G) AV Matrix Switch with Audio Downmixing



# MHUB MAX (4x4)

Product code: MHUBMAX44



MHUB MAX is an Ultra HD Premium™ 4x4 HDMI 2.0 matrix with maximum bandwidth capabilities - the ultimate matrix option for cinema purists, it supports the full HDMI 2.0 (a/b) 18Gbps max data rate, capable of carrying the most premium UHD/4K 60 4:4:4 content, with all HDR formats (10 & 12-bit), Dolby Vision, HDR10+ and HLG.

Integration needs are well catered for, with each of the four display outputs featuring both multichannel digital audio extraction and stereo downmixing.


## FEATURES

HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout
Backlit fade in/out touch panel controls
Web GUI for easy config and setup (MHUB-OS)
Remote system monitoring and management (HDA Cloud)
Advanced EDID management
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats up to Dolby Atmos® and DTS:X®
Multichannel audio extraction via digi coax
Multichannel audio downmix via stereo jack


## SPECIFICATIONS

Form factor	19"/1U aluminum rack-mountable unit
Inputs / outputs	4 HDMI / 4 HDMI
Transmission tech.	Native HDMI
Video bandwidth	594MHz
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Hub control	Web GUI, IR, TCP/IP, RS232, App, Alexa
App control	Source selection / matrix hub only.
Device weight	1820g
Package weight	3500g
Dimensions (W/D/H)	440 / 284 / 45mm (without feet)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	30W (max) 0.5W (standby)
Guarantee	3/4-year guarantee (Cloud registration required)


## CONTROL




Universal App control sources & displays



Native Amazon Alexa Voice control



3rd party control via IP/RS232



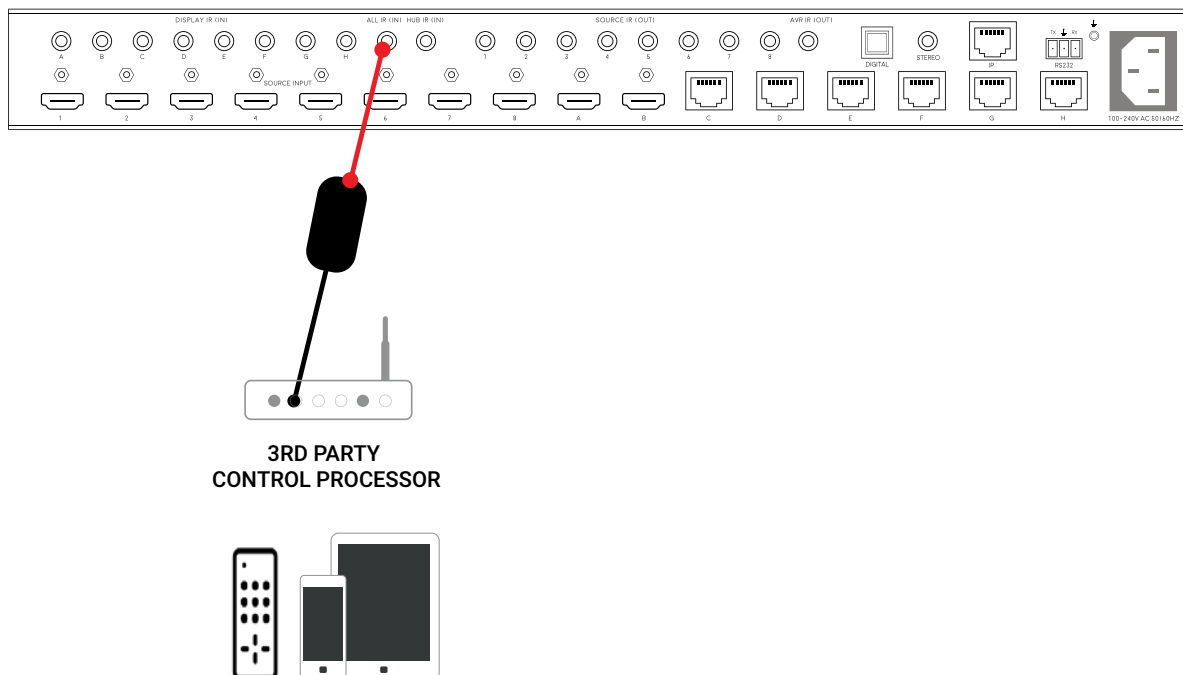
Included IR remote control

# MHUB IR Integration Dongle

Product code: 1.55.911.001.1



The IR integration dongle is designed to allow you to connect the IR transmitter/blaster output from almost any device (such as a third party control system) directly into the IR receiver input of a MHUB system. This is particularly useful with video over distance systems as it allows a direct, more reliable, connection from third party product(s) while making use of the forward IR path. The input socket is a 3.5mm 3 pole connector and is intended to be connected to the IR blaster output of the item you are connecting to. The socket is optically coupled such that the polarity and pin configuration will not affect operation. It will work with any connection whether positive or negative.



# MHUB comparison guide

	MHUBMAX44	MHUB431U	MHUBPRO4440	MHUB4KPRO44	MHUB862U	MHUB4KPRO88
<b>Inputs/Outputs</b>	HDMI Inputs	4	4	4	4	8
	HDBaseT Outputs	X	3	4	4	6
	HDMI Output	4	1	X	X	2
	HDMI Mirrored Outputs	X	X	4	4	X
<b>I/O Features</b>	Transmission Technology	X	HDBT Class B	HDBT Class B	HDBT Class A	HDBT Class B
	POH	X	✓	✓	✓	✓
	Distance 4K/1080p	N/A	40m/70m	40m/70m	70m/100m	40m/70m
	Resolution	4K/1080p	4K/1080p	4K/1080p	4K/1080p	4K/1080p
	HDR / Dolby Vision	✓	✓	✓	✓	✓
	18Gbps	✓	X	X	X	X
	HDCP	2.2	2.2	2.2	2.2	2.2
	Ethernet Pass-through	X	X	X	✓	X
	ARC	X	X	X	X	X
	<b>Audio Features</b>	Internal Audio Routing	✓	✓	✓	✓
Audio Outs (Digital)		4	1	4	4	1
Audio Outs (Stereo)		4	1	4	4	1
Stereo Down-mix		✓	X	✓	✓	X
<b>Routed Control</b>	Backwards IR	X	✓	✓	✓	✓
	Forwards IR	X	✓	✓	✓	✓
	Global Backwards	X	✓	✓	✓	✓
	Global Forwards	X	✓	✓	✓	✓
	RS232	X	X	✓	✓	X
<b>Matrix Control</b>	App	✓	✓	✓	✓	✓
	App Control	Switching	Display/Source/Switching	Display/Source/Switching	Display/Source/Switching	Display/Source/Switching
	iOS / Android	iOS/Android	iOS/Android	iOS/Android	iOS/Android	iOS/Android
	Alexa	✓	✓	✓	✓	✓
	IP/RS232	✓	✓	✓	✓	✓
<b>Management</b>	Web Interface	✓	✓	✓	✓	✓
	Advanced EDID management	✓	✓	✓	✓	✓
	Remote Monitoring	✓	✓	✓	✓	✓
	Remote Management	✓	X	✓	✓	X
<b>Other</b>	Packaged with receivers	X	✓	✓	✓	✓
	Scaling Receiver Option	X	✓	✓	✓	✓
	Warranty	3 Years + 1 with cloud registration	2 Years + 1 with cloud registration	3 Years + 1 with cloud registration	3 Years + 1 with cloud registration	2 Years + 1 with cloud registration

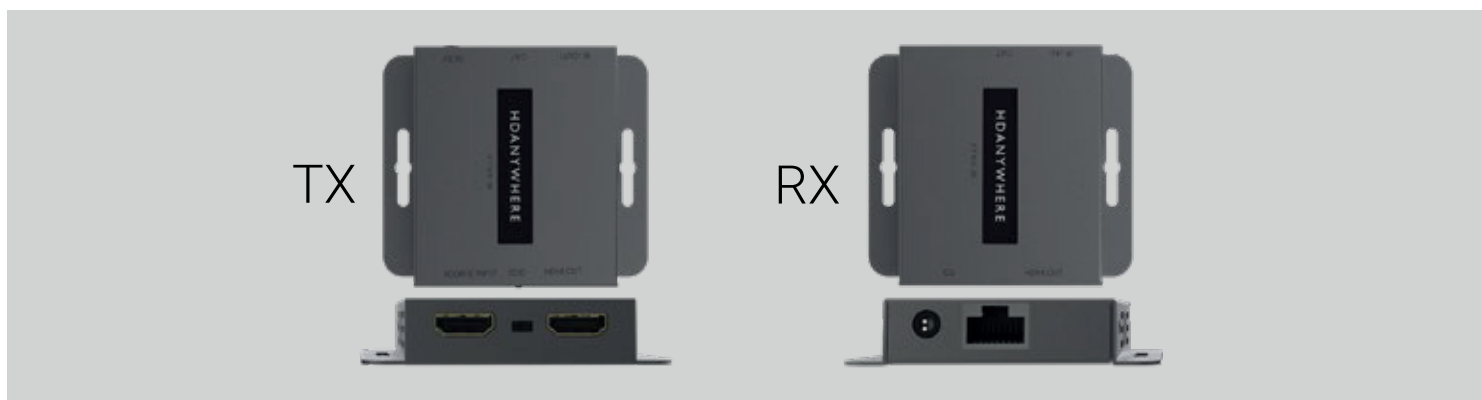
# XTND

Slender HDMI extenders, including 18Gbps for 4K HDR, 150m distance + Audio Return.



# XTND2K30P

Product code: XTND2K30P



An ultra lightweight, palm-sized HDMI extender set supporting all resolutions up to Full HD 1080p 60Hz content uncompressed up to 30 metres over one twisted pair Cat cable. Control of the transmitter source is made possible via a return IR channel and included IR cabling.

The transmitter incorporates a HDMI loop/splitter out port for connecting a second display, or for daisy-chaining additional extenders in series. PoE power means the receiver is powered via the Cat cable.

## FEATURES

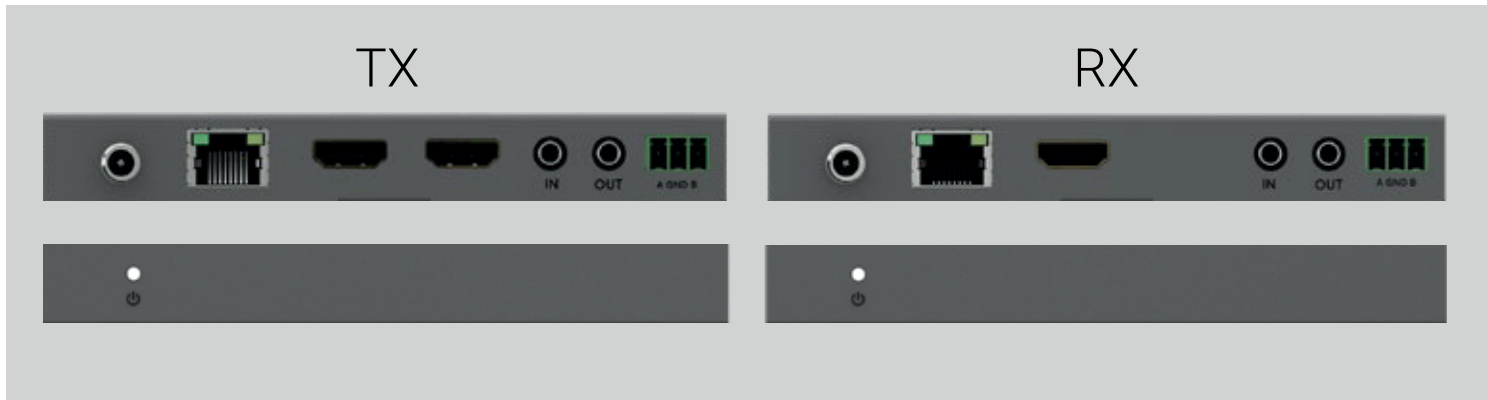
Supports all resolutions up to and inc. Full HD 1080p 60Hz up to 30m
Supports LPCM 7.1ch, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master audio
HDMI loop port on TX
Return IR control channel (RX>TX)
Uncompressed HDMI TMDS signal transmission
Fix EDID settings
Sold as a complete install package, with all IR cabling and mounting kit included.
UK / EU / AU / US multi-territory adapters included

## SPECIFICATIONS

TX / RX form factor	Lightweight slender aluminium enclosure with integrated mounting wings
Inputs / outputs	<b>TX</b> HDMI in / RJ45 out / IR 3.5mm jack (out = from RX) <b>RX</b> RJ45 in / HDMI out / IR 3.5mm jack (in = to TX)
Transmission tech.	TMDS
Video bandwidth	165MHz / 6.75Gbps
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Device / Package weight	56 / 700 g
Dimensions (W/D/H)	78 / 67 / 16 mm (TX and RX)
Power	5V/1A DC type connector (US/EU standards, CE/FCC/UL certified)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	9.5W (max)
Guarantee	2 year guarantee

# XTND2K150

Product code: XTND2K150



A long-range uncompressed HDMI extender set supporting all resolutions up to Full HD 1080p 60Hz content up to 150 metres over one twisted pair Cat cable. HDBaseT technology ensures ultra-reliable and robust transmission, even over challenging cable distances.

Control either the source or the display via two-way IR or RS232. The transmitter incorporates a HDMI loop/splitter out port for connecting a second display or for daisy-chaining additional extenders in series. Bi-directional PoH means that the solution can be powered from either RX or TX.

## FEATURES

Supports all resolutions up to and inc. Full HD 1080p 60Hz up to 150m
Supports LPCM 7.1ch, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio
10.2Gbps data rate
HDMI loop port on TX
Two-way IR and bi-directional RS232 control.
Bi-directional PoH - can be powered from either RX or TX
Sold as a complete install package, with all IR cabling and mounting kit included
UK / EU / AU / US multi-territory adapters included

## SPECIFICATIONS

TX / RX form factor	Lightweight slender aluminium enclosure
Inputs / outputs	<b>TX</b> HDMI in / RJ45 HDBaseT out / RS232 / 2x IR 3.5mm jack (in = to RX / out = from RX) <b>RX</b> RJ45 HDBaseT in / HDMI out / RS232 / 2x IR 3.5mm jack (in = to TX / out = from TX)
Transmission tech.	HDBaseT
Video bandwidth	340MHz clock / 10.2Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Control	Bi-directional IR and RS232 + HDMI-CEC pass through.
Device / Package weight	125 / 1100 g
TX / RX Dimensions (W/D/H)	140 / 65 / 17 mm
Power	24V/1A DC screw type connector (US/EU standards, CE/FCC/UL certified)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	9.5W (max)
Guarantee	2 year guarantee

# XTND4K40ARC

Product code: XTND4K40ARC



A long-range uncompressed HDMI/HDBaseT extender, set with a 40m UHD 4K or 70m 1080p transmission range over one twisted pair Cat cable.

Control of either the source or the display is possible via two-way IR or RS232. The extender also features useful audio return connectivity via HDMI-ARC or Optical from the receiver, which is made available at the transmitter via Optical out. Bi-directional PoH means that the solution can be powered from either the transmitter or receiver.

## FEATURES

HDMI® 2.0 features supported up to 10.2Gbps
Supports HDCP 2.2
Ultra HD 4K 24/30Hz 4:2:2 (HDR10) or 60Hz 4:2:0 (HDR 8bit) + support for Dolby Vision and HLG.
Supports all current audio formats up to and including Dolby Atmos® and DTS:X®
RX>TX audio return via Optical or HDMI-ARC to Optical on TX
Two-way IR
Bi-directional RS232 control.
Bi-directional PoH - can be powered from either RX or TX
Sold as a complete install package, with all IR cabling and mounting kit included
UK / EU / AU / US multi-territory adapters included

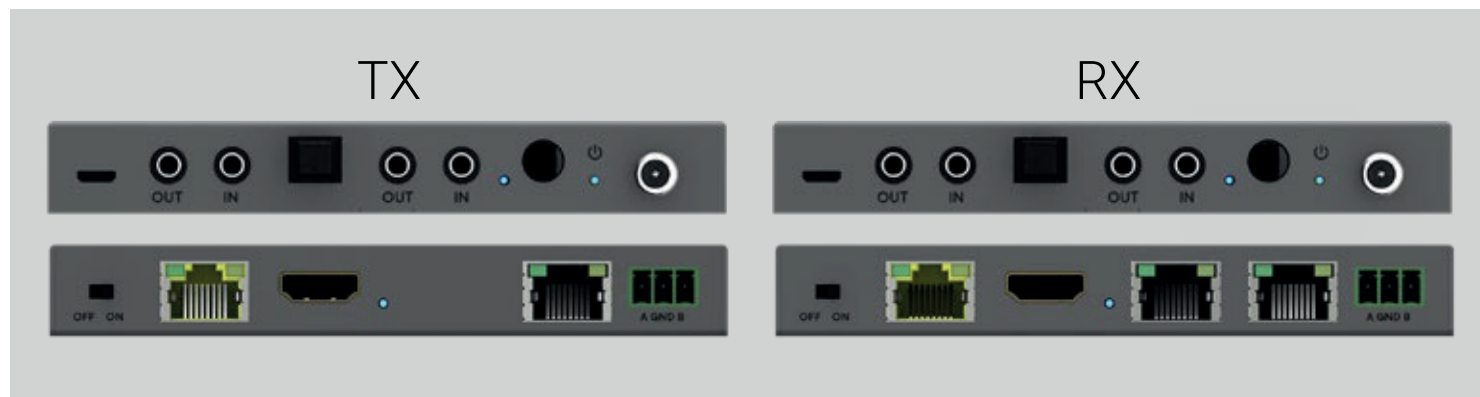
## SPECIFICATIONS

TX / RX form factor	Lightweight slender aluminium enclosure
Inputs / outputs	TX HDMI in / RJ45 HDBaseT out / Optical out / RS232 / 2x IR 3.5mm jack (in = to RX / out = from RX) RX RJ45 HDBaseT in / HDMI out / Optical in / RS232 / 2x IR 3.5mm jack (in = to TX / out = from TX)
Transmission tech.	HDBaseT Class B
Video bandwidth	340MHz clock / 10.2Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Control	Bi-directional IR and RS232 + HDMI-CEC pass through.
Device / Package weight	125 / 1100 g
Dimensions (W/D/H)	140 / 65 / 17 mm (TX and RX)
Power	24V/1A DC screw type connector (US/EU standards, CE/FCC/UL certified)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	9.5W (max)
Guarantee	2 year guarantee



# XTND4K100TPC

Product code: XTND4K100TPC



A long-range HDMI 2.0 / HDBaseT 2.0 extender set - supports 18Gbps premium UHD/4K 60Hz 4:4:4 data rates, with all current HDR formats inc. Dolby Vision®, HDR10 and HLG up to 100 metres, over one twisted pair Cat cable. The extender features useful audio return connectivity via HDMI-ARC, Optical or two-way stereo. Control via two-way IR, RS232 and two 10/100 LAN data ports are also available on the receiver. Tipping Point Compression enables the transmission of 18Gbps content via HDBaseT 2.0 technology, with no human-perceivable difference in video quality. TPC can handle all HDR formats, including Dolby Vision, retaining all original HDR Meta and is compatible with all chroma subsampling and colour space options (4:4:4, 4:2:2, and 4:2:0).

## FEATURES

HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout (up to 100m)
Long-range mode allows for 1080p up to 150m
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats inc. Dolby Vision®
Supports all current audio formats up to Dolby Atmos® and DTS:X®
RX>TX audio return via Optical or HDMI-ARC to Optical on TX
Bi-directional stereo transmission
Bi-directional PoH - can be powered from either RX or TX.
2x integrated 10/100 Ethernet LAN connections at RX
Sold as a complete install package, with all IR cabling and mounting kit included.
UK / EU / AU / US multi-territory adapters included

## SPECIFICATIONS

TX / RX form factor	Lightweight slender aluminium enclosure
Inputs / outputs	TX HDMI in / RJ45 HDBaseT out / RJ45 LAN (10/100) / 2x Stereo 3.5mm jacks (in/out) / Optical out / RS232 / 2x IR 3.5mm jack (in = to RX / out = from RX)  RX RJ45 HDBaseT in / HDMI out / 2x RJ45 LAN (10/100) / 2x Stereo 3.5mm jacks (in/out) / Optical out / RS232 / 2x IR 3.5mm jack (in = to TX / out = from TX)
Transmission tech.	HDBaseT 2.0 Class C + TPC
Video bandwidth	594MHz clock / 18Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Control	Bi-directional IR, RS232, LAN + HDMI-CEC pass through.
Device / Package weight	176 / 1100 g
Dimensions (W/D/H)	127 / 110 / 17 mm (TX and RX)
Power	24V/1A DC screw type connector
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	9.5W (max)
Guarantee	2 year guarantee

# XTND comparison guide



XTND2K30P



XTND2K150



XTND4K40ARC

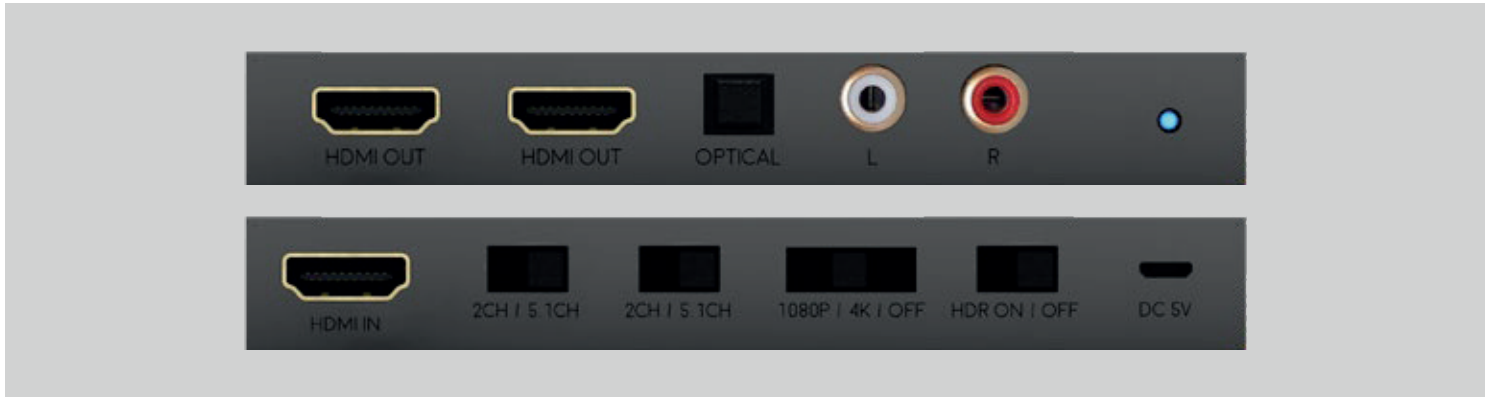


XTND4K100TPC

	XTND2K30P	XTND2K150	XTND4K40ARC	XTND4K100TPC	
<b>Inputs/Outputs</b>	HDMI Inputs	1	1	1	
	HDMI Local Outputs	1	1	X	
	CAT Outputs	1	1	1	
<b>I/O Features</b>	Transmission Technology	TMDS	HDBaseT (Class B)	HDBaseT (Class B)	
	POH	✓	✓ (Bi-directional)	✓ (Bi-directional)	
	Distance 4K/1080p	NA/30m	NA/150m	40m/70m	
	Resolution	1080p	1080p	4K/1080p	
	HDR / Dolby Vision	X	X	✓	
	18Gbps	X	X	X	
	HDCP	1.4	1.4	2.2	
	Ethernet Pass-through	X	X	X	
	ARC	X	X	✓	
	<b>Audio Features</b>	Seperate Audio Back	X	X	✓
		Seperate Audio Forward	X	X	✓
Audio Outs (other)		X	X	Optical	
<b>Routed Control</b>	Backwards IR	✓	✓	✓	
	Forwards IR	X	✓	✓	
	RS232	X	✓	✓	
Warranty	2 Years	2 Years	2 Years	2 Years	

# HDMI Scaler & Audio Manager

Product code: 2.50.795



A versatile HDMI signal management tool offering video downscaling and audio downmixing. Useful in distributed video environments containing a range of differing display resolution capabilities. The downscaling function of the device can be used to always ensure optimal performance of each display. HDMI video scaler: Input supports 18Gbps, 4K, HDR, HDMI 2.0 and HDCP 2.2 content, downscalable to 4K/10G for use on HDMI 1.4 equipment, or 4K/18G to 1080p with matched frame rates. The two HDMI output ports act as follows: HDMI Output 1 = always passes through the unaltered original signal. HDMI Output 2 = can be set to pass through same as HDMI Output 1, or scale down to 4K/1080p @10G and can have downmixed 2ch stereo audio re embedded. Audio connectivity: 5.1 multi channel audio can also be downmixed to 2ch stereo via RCA or TOSLINK optical ports (or re embedded onto HDMI Output 2).

## FEATURES

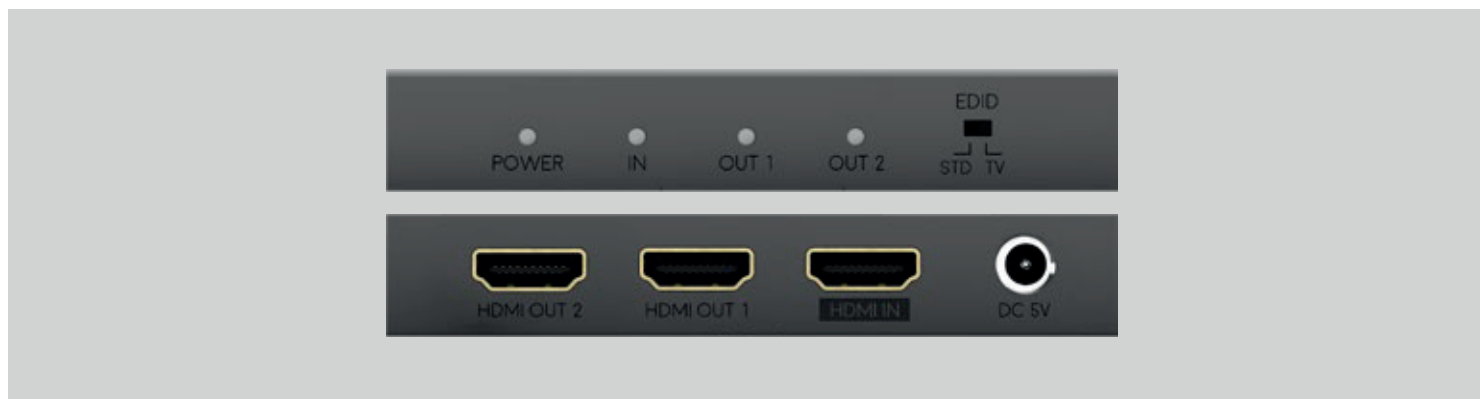
HDMI splitting, scaling and audio management features.
HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats up to Dolby Atmos® and DTS:X®
2-year guarantee

## SPECIFICATIONS

Form factor	Lightweight slender aluminium enclosure
Inputs / outputs	1 HDMI to 2 HDMI, 1 L/R RCA, 1 TOSLINK
Transmission tech.	Native HDMI
Video bandwidth	594MHz
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Device / Package weight	125 / 1100 g
TX / RX Dimensions (W/D/H)	56 / 100 / 16mm
Power	Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Operating temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative humidity	20~90 % RH (non-condensing)
Power consumption	2W
Guarantee	2-year guarantee

# 1x2 HDMI Splitter MAX

Product code: **SPLITTERMAX12**



The 1x2 Splitter MAX is an Ultra HD Premium™ 1x2 HDMI 2.0 splitter with maximum bandwidth capabilities, the ultimate splitter option for cinema purists, it supports the full HDMI 2.0 (a/b) 18Gbps max data rate, capable of carrying the most premium UHD/4K 60 4:4:4 content, with all HDR formats (10 & 12-bit), Dolby Vision®, HDR10+ and HLG.

## FEATURES

HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout
Advanced EDID management
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats up to Dolby Atmos® and DTS:X®
Built-in equalizer and retimer

## SPECIFICATIONS

Form factor	Lightweight slender aluminium enclosure
Inputs / outputs	1 HDMI / 2 HDMI
Transmission tech.	Native HDMI
Video bandwidth	594MHz
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Device / Package weight	165g
TX / RX Dimensions (W/D/H)	56 / 100 / 16mm
Power	Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Operating temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative humidity	20~90 % RH (non-condensing)
Power consumption	2 W
Guarantee	2-year guarantee

# 1x4 HDMI Splitter MAX

Product code: **SPLITTERMAX14**



The 1x4 Splitter MAX is an Ultra HD Premium™ 1x4 HDMI 2.0 splitter with maximum bandwidth capabilities, the ultimate splitter option for cinema purists, it supports the full HDMI 2.0 (a/b) 18Gbps max data rate, capable of carrying the most premium UHD/4K 60 4:4:4 content, with all HDR formats (10 & 12-bit), Dolby Vision®, HDR10+ and HLG.

## FEATURES

HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout
Advanced EDID management
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats up to Dolby Atmos® and DTS:X®
Built-in equalizer and retimer

## SPECIFICATIONS

Form factor	Lightweight slender aluminium enclosure
Inputs / outputs	1 HDMI / 4 HDMI
Transmission tech.	Native HDMI
Video bandwidth	594MHz
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Device / Package weight	260g
TX / RX Dimensions (W/D/H)	63 / 163 / 16mm
Power	Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Operating temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative humidity	20~90 % RH (non-condensing)
Power consumption	2 W
Guarantee	2-year guarantee

# HDMI Fibre Optic MAX Cable

Available in 30, 50, 75 & 100 metre lengths



Fibre-Optic MAX is a long-range active Optical-HDMI cable with maximum bandwidth capabilities. Supporting the full HDMI 2.0 (a/b) 18Gbps max data rate end-to-end. Capable of carrying the most premium UHD/4K 60 4:4:4 content, along with all HDR formats (10 & 12-bit), Dolby Vision, HDR10+ and HLG.

Fibre-Optic MAX is perfect for environments with excessive EM or RF interference where copper transmission would be unlikely to work.

## FEATURES

HDMI® 2.0 compliant (a/b)
HDCP 2.2 compliant
18Gbps High Speed data rate (end-to-end)
Supports all resolutions up to and inc. Ultra HD 4K 60fps 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats 5.1/7.1 Lossless Dolby TrueHD and DTS-HD Surround Sound, Dolby Atmos and DTS:X
Supports CEC and ARC features
24K Gold Plated HDMI male connectors
RoHS Certified

## SPECIFICATIONS

Available Sizes	30, 50, 75 & 100m
Thickness	19.8mm/0.78in
Colour	Black
Max. Bend Radius	6cm/2.36in
Max. Pull Tension	15kg/33lbs
Operating temperature	14°F ~ 122°F (-10°C ~ 50°C)   10% ~ 90%, non-condensing
Storage temperature	-4°F ~ 140°F (-20°C ~ +60°C)   10% ~ 90%, non-condensing
Insulation (outer jacket)	PVC
Contacts	Gold plated
Configuration	19 Pin
Power Supply	Passive HDMI: 5V   4.5v~5.5v VCC
Guarantee	5-year guarantee

# HDMI ActiveWire MAX Cable

Available in 8, 10, 15, & 20 metre lengths



ActiveWire Max is a long-range active HDMI cable with maximum bandwidth capabilities. Supporting the full HDMI 2.0 (a/b) 18Gbps max data rate end-to-end. Capable of carrying the most premium UHD/4K 60 4:4:4 content, along with all HDR formats (10 & 12-bit), Dolby Vision, HDR10+ and HLG.

The source-end of an ActiveWire Max HDMI cable incorporates an advanced TMDs equalisation chipset, that effectively filters electrical noise and interference from the HDMI transmission. This outcome is an increased transmission distance that enables ActiveWire long-range cables to pass the same data rates as much shorter cables.

## FEATURES

HDMI® 2.0 compliant (a/b)
HDCP 2.2 compliant
18Gbps High Speed data rate (end-to-end)
Supports all resolutions up to and inc. Ultra HD 4K 60fps 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats 5.1/7.1 Lossless Dolby TrueHD and DTS-HD Surround Sound, Dolby Atmos and DTS:X
Supports CEC, HDMI Ethernet channel, and ARC features
Active copper (directional) cable with optional source-end USB-power for use as required
Precision manufactured
26 AWG 99.9% high purity oxygen-free copper conductor (8m and 10m)
24 AWG 99.9% high purity oxygen-free copper conductor (15m and 20m)
Low capacitance dielectric
3-layer shielding provides superior rejection of EM and RF interference
24K Gold Plated HDMI male connectors
RoHS Certified

## SPECIFICATIONS

Available Sizes	8, 10, 15 & 20 metres.
Thickness	26 gauge (8m & 10m) / 24 gauge (15m & 20m)
Colour	Black
Conductors	99.99% oxygen free copper
Insulation (inner jacket)	High-density polyethylene (HD-PE)
Layers 1 & 2 Shielding	100% Aluminium Foil
Layer 3 Shielding	95% Al+My braid
Insulation (outer jacket)	PVC
Contacts	Gold plated
Configuration	19+1 Pin
Voltage	5v (USB)
Guarantee	5-year guarantee

# HDMI SlimWire MAX Cable

Available in 0.5, 1, 1.5, 2, 3, 4 & 5 metre lengths



SlimWire HDMI cable with maximum bandwidth capabilities. Supporting the full HDMI 2.0 (a/b) 18Gbps max data rate end-to-end.

Capable of carrying the most premium UHD/4K 60 4:4:4 content, along with all HDR formats (10 & 12-bit), Dolby Vision, HDR10+ and HLG.

## FEATURES

HDMI® 2.0 compliant (a/b)
HDCP 2.2 compliant
18Gbps data rate
Supports all resolutions up to and inc. Ultra HD 4K 60fps 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats 5.1/7.1 Lossless Dolby TrueHD and DTS-HD Surround Sound, Dolby Atmos and DTS:X
Supports CEC, HDMI Ethernet channel, and ARC features
Precision manufactured
Low capacitance dielectric
3-layer shielding provides superior rejection of EM and RF interference
24K Gold Plated HDMI male connectors
RoHS Certified

## SPECIFICATIONS

Available Sizes	0.5, 1, 1.5, 2, 3, 4, & 5 metres.
Thickness	30 AWG (5m 28 AWG) 99.9% high purity oxygen-free copper conductor
Colour	Black
Conductors	99.99% oxygen free copper
Insulation (inner jacket)	High-density polyethylene (HD-PE)
Layers 1 & 2 Shielding	100% Aluminium Foil
Layer 3 Shielding	95% Al+My braid
Insulation (outer jacket)	PVC
Contacts	Gold plated
Configuration	19+1 Pin
Guarantee	5-year guarantee





# MHUB AUDIO

Stackable audio matrix with DSP EQ and integrated 110W stereo amplifiers



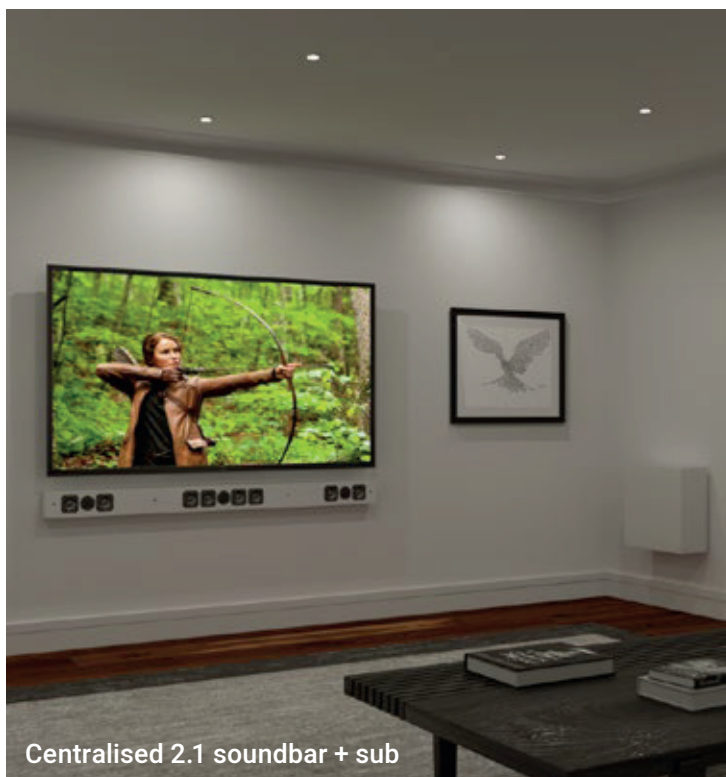
# Centralised multiroom audio

## Introducing the British-made, uControl-ready MHUB AUDIO matrix-amp that completes our centralised home entertainment system.

MHUB AUDIO is a 4-zone matrix-amp with DSP EQ and integrated 110 watt amplifiers. Designed and assembled in Worcestershire, England the MHUB AUDIO is a seamless companion to any MHUB PRO HDMI distribution system, and integrates automatically within uControl.



Incorporating four stereo 110W amplifiers, each with controllable-volume, maximum volume adjustment, auto standby mode, and lip-sync delay. The MHUB AUDIO utilises high-efficiency SM power supplies for the digital elements, whilst the critical analogue audio paths use linear regulation to provide low noise with a great dynamic range.



Centralised 2.1 soundbar + sub

## MHUB PRO + AUDIO

Four analogue inputs with lip sync delay and level adjustment connect directly to the MHUB PRO video zone audio outputs.

## Multiroom music

Two aux digital optical or COAX digital inputs are available for the easy connection additional audio and music sources, like a Sonos Connect, Google Cast, LODE, Denon HEOS etc.

## Sub/slave outputs for .1 systems

Four additional unamplified outputs, one for each zone, are also available. Each with individual DSP EQ allowing high pass and low pass filtering. Perfect for subwoofers or to feed full range audio to external amplification.

## Create 16 zones of amplified audio

The four additional unamplified outputs can be used for connecting additional (slave) MHUB AUDIO units (or other amps) for larger installs, creating up to 16 zones of audio.

## Room EQ wizard

Take the guesswork out of how to equalise a room with the room EQ wizard. By working through a series of steps, the MHUB AUDIO is configured to give the end user the best audio experience for their rooms in minutes. Full EQ options are available to make those individual adjustments, but getting to an excellent starting point, if not the end result takes far less time than before.

# MHUB AUDIO (6x4)

Product code: MHUBAUDIO64



MHUB AUDIO is a 6x4 matrix-amp with DSP EQ, dedicated sub outs and integrated 110 watt amplifiers. Designed and built in Worcestershire, HDA's first endeavour into the world of multiroom audio and high quality sound. Designed to be an easy and seamless companion to any MHUB PRO HDMI distribution system, and which integrates automatically within HDA's universal AV control app, uControl. Enabling installers to 'do more with less hardware', the introduction of the MHUB AUDIO means it's now possible to create a total whole-home video, audio and amplification solution entirely under the HDANYWHERE brand, simple to spec, simple to install and simple to control.


## FEATURES

4x 110w stereo zones, 8x 55w channels 4 Ohm (all zones driven)
Roomwizard EQ
Parametric DSP EQ + crossover
6 inputs/ 4 stereo/ 2 digital 4x zone sub/slave outs
Automatically syncs with uControl app
High-efficiency power supply
Adjustable lip-sync delay
Auto low power

## SPECIFICATIONS

Form factor	1U aluminium, backlit
Input / output / aux / sub	6 / 4 / 4
Input type	3.5mm Stereo Jack (x4) Optical (x2) Digital Coaxial (x2)
Output type	Digital Coaxial (x2) 3.5mm Jack (x4) sub/slave
Audio support (digital)	Stereo
Audio support (analogue)	Stereo
Lip-sync delay	0 – 170ms on input
Amplifier output power	110 watts stereo zones 55 watts into 4 ohms/channel
Ucontrol	Room/source selection +/- volume
Warranty	3 years (4 years with HDA Cloud registration)
Package weight	TBC
Dimension (W/D/H)	440 / 284 / 43
Power	110-240V Internal/POE

## CONTROL



Universal App control sources & displays



Native Amazon Alexa Voice control



3rd party control via IP/RS232

# DAC - Digital to Analog Converter

**Product code: 2.50.796**



The DAC is a small and simple device that converts a digital audio input via S/PDIF optical TOSLINK or coaxial RCA connection to 2-channel analog stereo RCA L/R audio.

The DAC enables utilisation of audio devices that incorporate a digital audio output with the MHUB AUDIO, via its four analog stereo RCA L/R audio inputs.

## FEATURES

Plug and play device
Digital to Analog Converter
S/PDIF optical TOSLINK or coaxial RCA inputs
Analog stereo RCA L/R audio output
Supports sampling rate at 32, 44.1, 48 and 96 KHz
Provides electromagnetic noise free transmission
1-year guarantee
UK / EU / AU / US multi-territory adapters included

## SPECIFICATIONS

Form factor	Compact metal enclosure
Inputs / outputs	TOSLINK and COAX to R/L RCA
Transmission	LPCM
Sample rate	32, 44.1, 48 and 96 KHz
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	10~85% RH (non-condensing)
Power consumption	0.5W
Power supply	DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Device weight	65g
Package weight	195g
Dimensions (W/D/H)	50 x 40 x 26 mm
Guarantee	1-year guarantee

# ADC - Analog to Digital Converter

**Product code: 2.50.797**



The ADC is a small and simple device that converts 2-channel analog stereo RCA L/R audio to an LPCM digital audio output, on either an S/PDIF optical TOSLINK or coaxial RCA connection.

The ADC enables utilisation of audio devices that don't incorporate a digital audio output with the MHUB AUDIO, via its two digital auxiliary inputs.

## FEATURES

Plug and play device
Analog to digital converter
Analog stereo RCA L/R audio input
S/PDIF optical TOSLINK or coaxial RCA output
Supports uncompressed 2-channel LPCM digital audio output
Supports sampling rate at 32, 44.1, 48 and 96 KHz
Provides electromagnetic noise free transmission
1-year guarantee
UK / EU / AU / US multi-territory adapters included

## SPECIFICATIONS

Form factor	Compact metal enclosure
Inputs / outputs	R/L RCA to TOSLINK and COAX
Transmission	LPCM
Sample rate	32, 44.1, 48 and 96 KHz
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	10~85% RH (non-condensing)
Power consumption	0.5W
Power supply	DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Device weight	65g
Package weight	195g
Dimensions (W/D/H)	440 / 284 / 43mm (without feet)
Guarantee	1-year guarantee



# Optical Splitter

Product code: 1.95.906.001.1



Share a single optical audio source to two MHUB AUDIOS.

## FEATURES

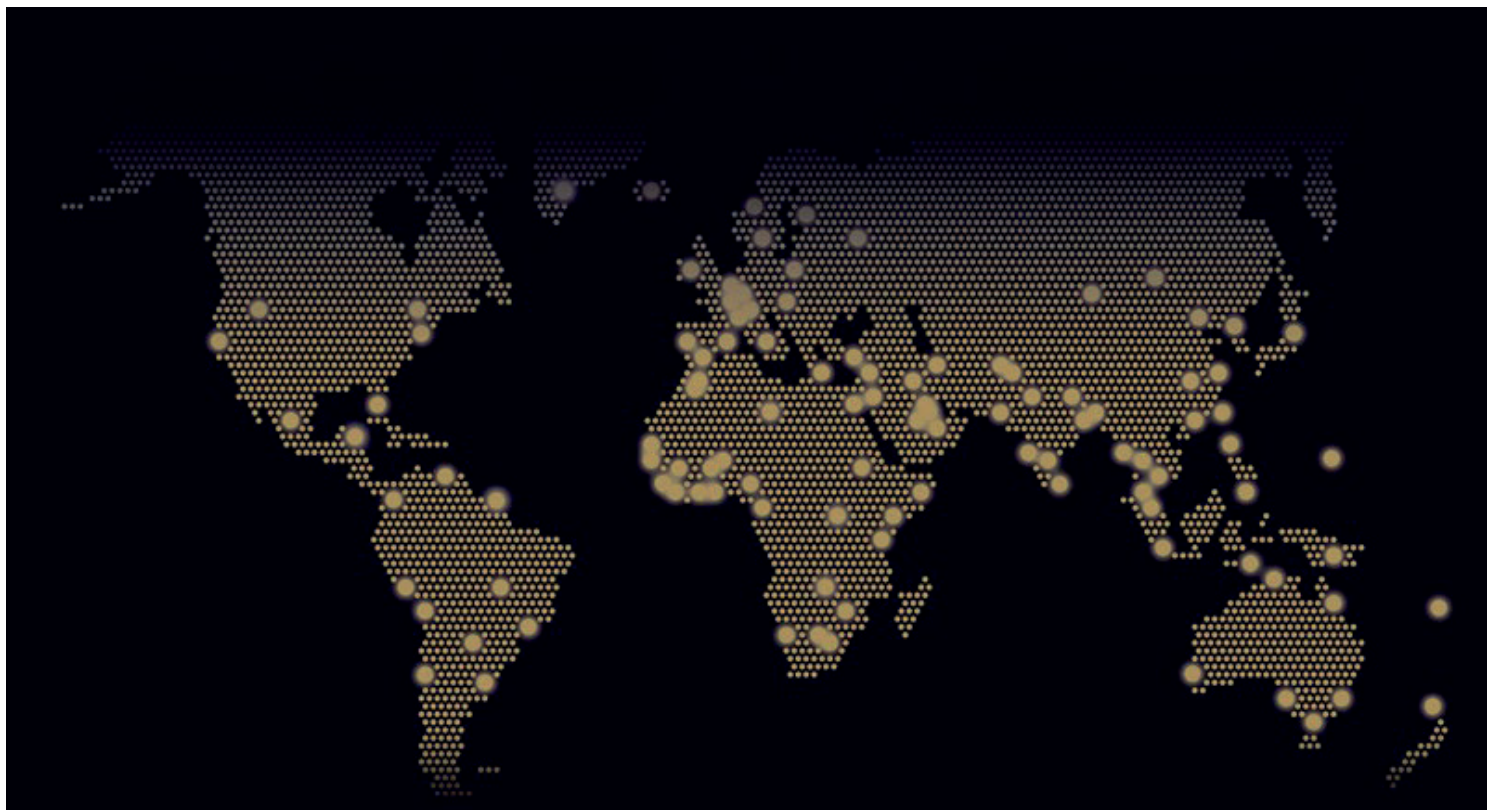
Plug and play device
Digital Toslink Optical Audio Male 1 to 2 Female Splitter Adapter
S/PDIF optical TOSLINK input/outputs
Supports sampling rate at 32, 44.1, 48 and 96 KHz
Provides electromagnetic noise free transmission
Length: 23cm/9.1

## SPECIFICATIONS

Form factor	Compact plastic with short cable.
Inputs / outputs	1x TOSLINK (male) to 2x TOSLINK (female)
Transmission	LPCM
Sample rate	32, 44.1, 48 and 96 KHz
Device weight	30g
Package weight	165g
Dimensions (W/D/H)	50 x 40 x 26 mm
Guarantee	1-year guarantee

# Global learning & skills

New for 2018 is the distance learning platform and course, delivered via self-study and web-based resources, our online courses allow aspiring installers to gain the knowledge and skills required to be a capable, certified HDANYWHERE PRO's away from the traditional classroom environment. We recognise that it's not always possible for busy installers to sacrifice earning days out of the working week to attend training courses. And with the growing number of global locations HDANYWHERE systems are being installed, it is not possible to arrange educational training courses in every country.



HDANYWHERE

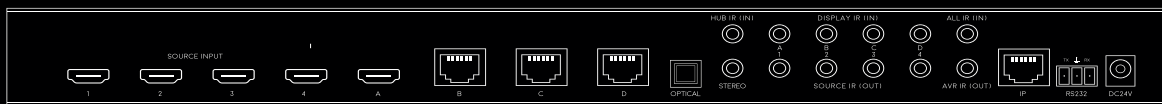
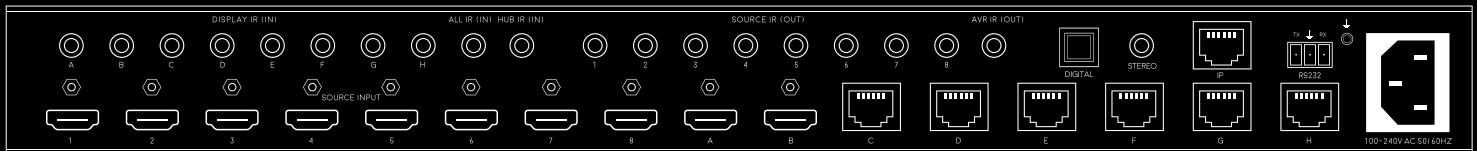
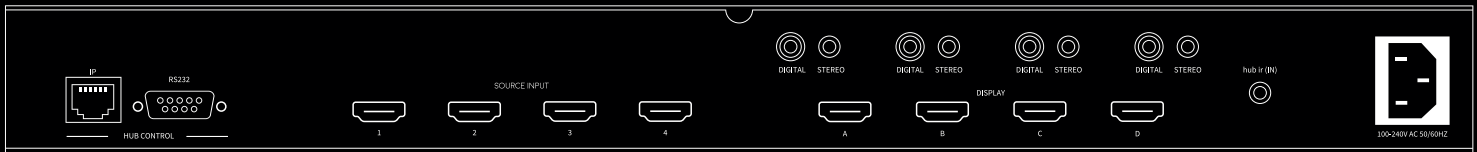
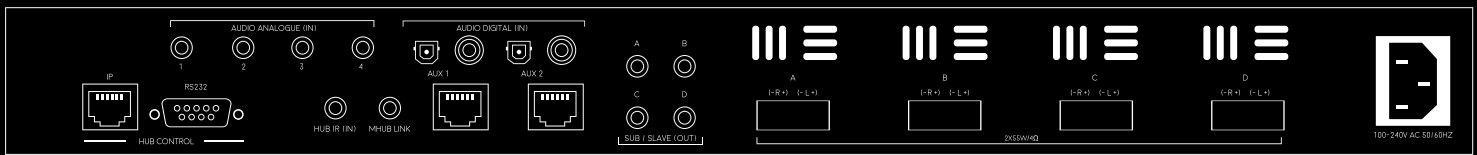
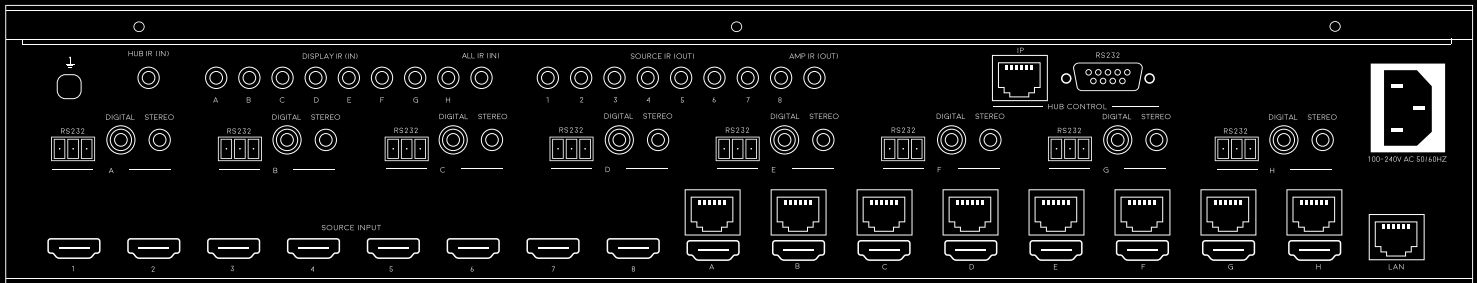
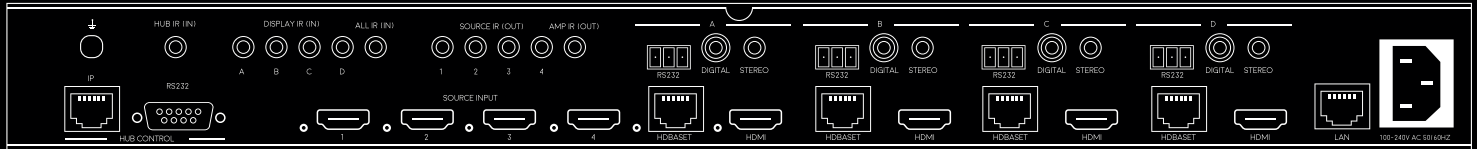
**e-Learning Centre**

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**No matter where you are in the world, all you need is an Internet connection.**

The HDANYWHERE e-Learning centre enables installers to become certified HDA PRO's, working in manageable chunks whenever it suits them. As well as providing learning on the latest technology from HDANYWHERE, installers will be able to stay up-to-date with latest technical hurdles facing the modern Home Technology Professional.

**[learning.hdanywhere.com](http://learning.hdanywhere.com)**



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