

HDANYWHERE

MHUB  
PRO

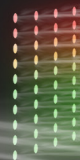
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HDANYWHERE  
MHUB PRO

HDANYWHERE

MHUB  
AUDIO

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# Brochure 2019 Edition

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The HDANYWHERE endeavour is to make centralised entertainment more mainstream and to change the relationship people have with AV for the better.

Modern homes are filled with more technology than ever before. Undoubtedly the most modern entertainment systems are ones that not only integrate into the very fabric of our buildings but also our everyday life.

This year we are releasing more affordable multiroom video and audio systems, designed for more project sizes, from apartments to mansions, small pubs or big bars.

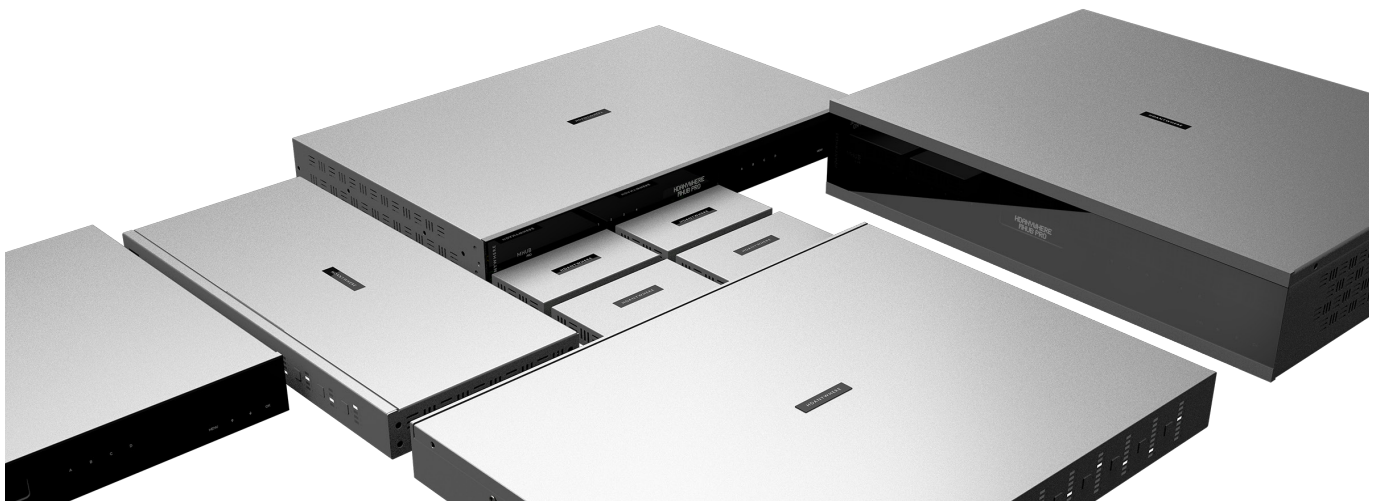
Whether it be the background music from a favourite playlist, or the captivating foreground excitement of a big live sports event, all over the world HDA products are working discreetly in the background to deliver brilliantly unified room-to-room entertainment experiences.

HDA has evolved quickly to become a complete single-brand AV solution provider in residential and light commercial markets. Much more than HDMI distribution, we unify room-to-room entertainment with video, audio, and control.

At HDA, we're proud to be behind your home entertainment.



**Chris Pinder & Team HDA**



# Centralisation, Maximisation & Unification

Our guiding principles.



## Behind better watching and listening experiences throughout today's smarter neater homes.

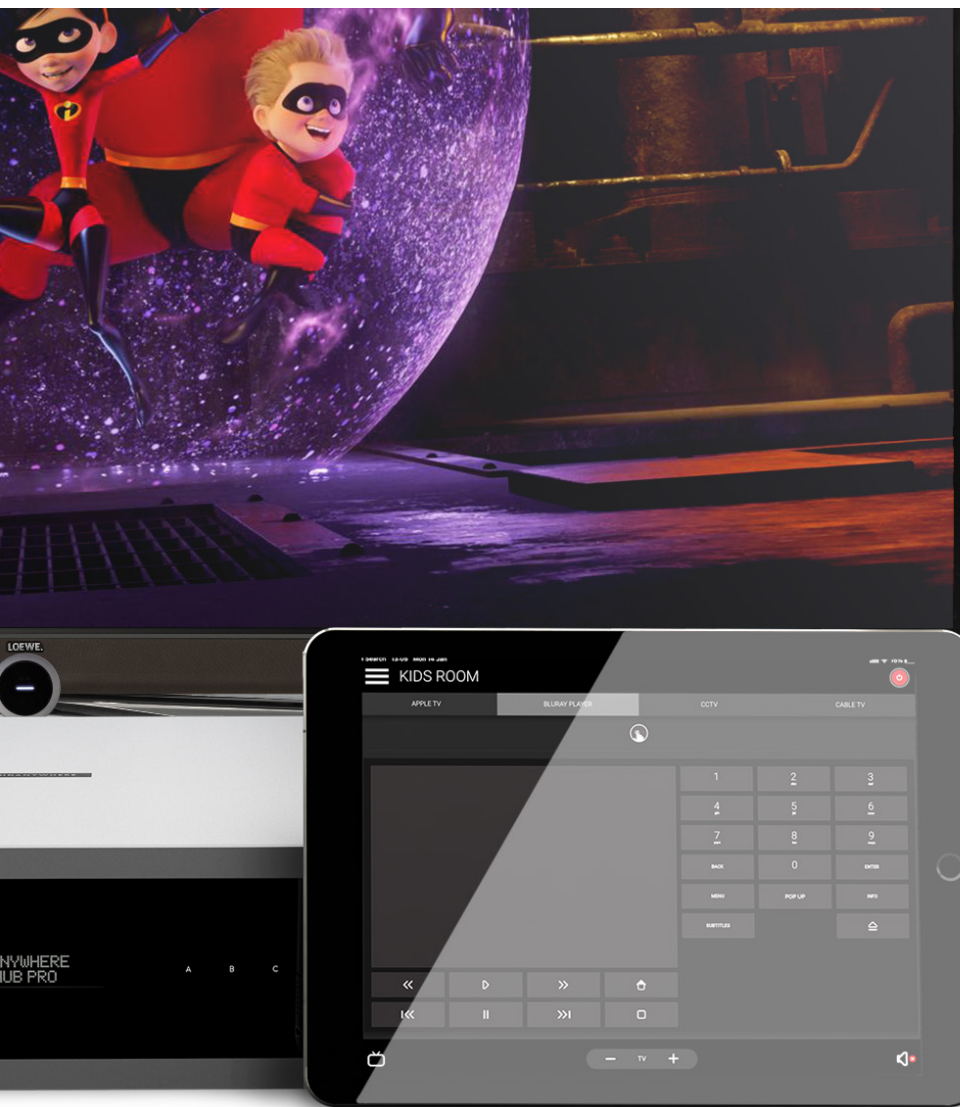
HDANYWHERE multiroom TV and audio systems are a central connection hub for today's plethora of AV devices, working discreetly and very cleverly in the background to deliver seamless multimedia experiences room-to-room.

The three principles of HDA 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, uncluttered living spaces.

Financial investments in AV devices and content are **maximised** through multiple display usage and enhancements in performance, such as improved sound or more straightforward control.

Entertainment throughout the home becomes a more **unified** experience with consistent content availability and a familiar intuitive control interface everywhere.


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




**No. 2 Preferred Brand (CEDIA UK Survey)**  
CEDIA (EMEA)




**Gold - Best Matrix & Video Distribution**  
SVI Magazine




**Best Matrix / Signal Distribution**  
Smart Building Awards




**Bronze - Manufacturer & Cable Solution**  
SVI Magazine



**Best Cable Solution**  
Smart Building Awards



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



# MHUB PRO 2.0

## Meeting the needs of today with 4K HDR.

With more flexibility and function than ever before, MHUB PRO 2.0 replaces our flagship MHUB PRO with an entirely new system designed to tackle the modern AV challenges integrators face today. MHUB PRO 2.0 supports HDMI 2.0 for the latest 18G 4K HDR video content and immersive object-based audio, such as Dolby Atmos & DTS-X. Additionally, on-board are brilliant integration abilities including an internal video scaler, ARC audio from source or display and a 20x8 independent audio matrix with volume and lip-sync adjustments.



### Internal video scaling

Downscale to 1080p directly from MHUB, without affecting higher 4K resolution zones, meaning that every display always performs its best.



### 18G HDMI interfacing

Equipped with 18G HDMI interfaces and backplane supporting Ultra HD 4K/60 (4:4:4) using HDBaseT 2.0. Transmit 4K up to 100 metres over Cat 6 with no latency.



### Flexible grabbing audio

Extracted audio can be 'grabbed' from either the source or display (HDMI-ARC) for connection to amps, active speakers or soundbars.



### Internal audio matrix

An internal independent audio matrix switcher for flexible routing of grabbed audio, with volume and delay adjustments to make managing audio easy for integrators & users alike.





## MHUB U (4x1+1)

A small but mighty MHUB for all homes.

NEW FOR  
2019



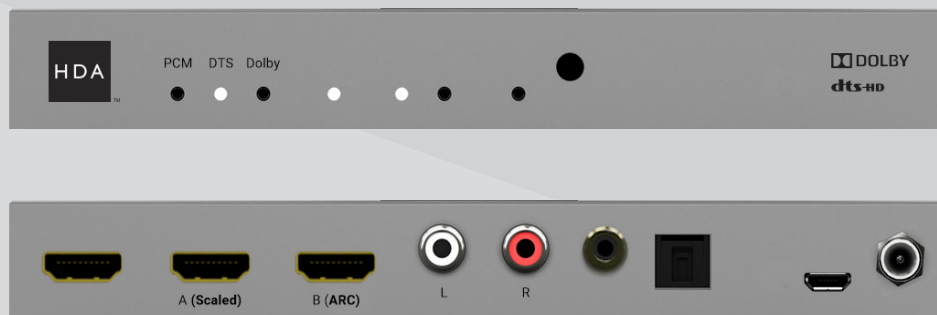
Designed for small homes and apartments the MHUB U (4x1+1) is the newest addition to the affordable MHUB U range. WiFi enabled and with x2 additional IR ports, CEC control and 18G 4K HDMI interfaces with up to 40m transmission range, this MHUB represents all of our innovation wrapped up in this little box.

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## Dolby Audio Down-Mixer

Dolby Audio™ & DTS-HD® down-mixer.

NEW FOR  
2019



Downmix standard Dolby Audio & DTS-HD formats up to 7.1 and output the audio as stereo (LPCM 2.0) over HDMI, S/PDIF (optical and coaxial) as well as analog RCA connections. It is also able to manage Dolby hAtmos signals by extracting 7.1 channels and downmixing that audio.

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## XTND (1x4+1)

Extend 4K in HDR to 4 zones.

NEW FOR  
2019



Designed for modern home entertainment market requirements, the XTND 4K (1x4+1) is fully HDMI 2.0 compatible, boasting 18G HDMI interfaces that support the latest 4K HDR video content, and Dolby Atmos surround sound.

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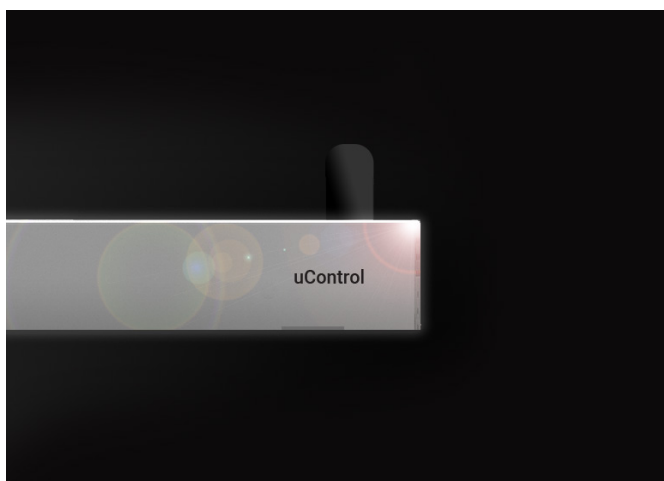
## uControl Zone Processor

Wirelessly control AV devices.

## Switcher MAX (4x1)

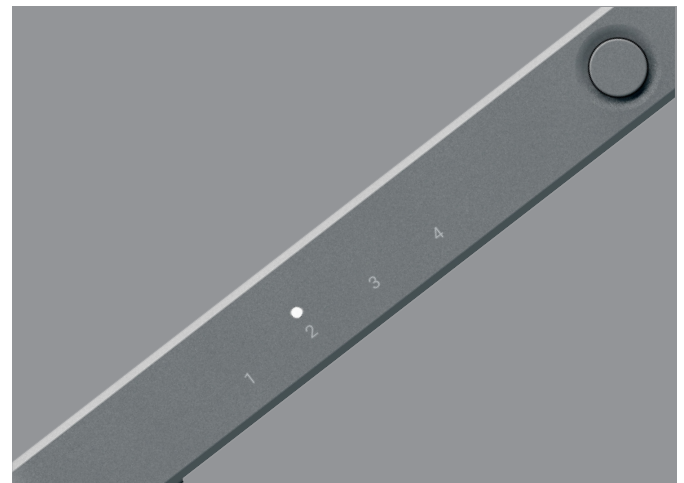
18G HDMI switcher.

NEW FOR  
2019



A small WiFi device that delivers universal control of AV devices from a single app interface, Alexa or utilising the HDA API. Output using IR, IP, CEC, or RS232.

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Ultra HD Premium™ 4x1 HDMI 2.0 switcher with maximum bandwidth capabilities, the ultimate switch option for cinema purists.

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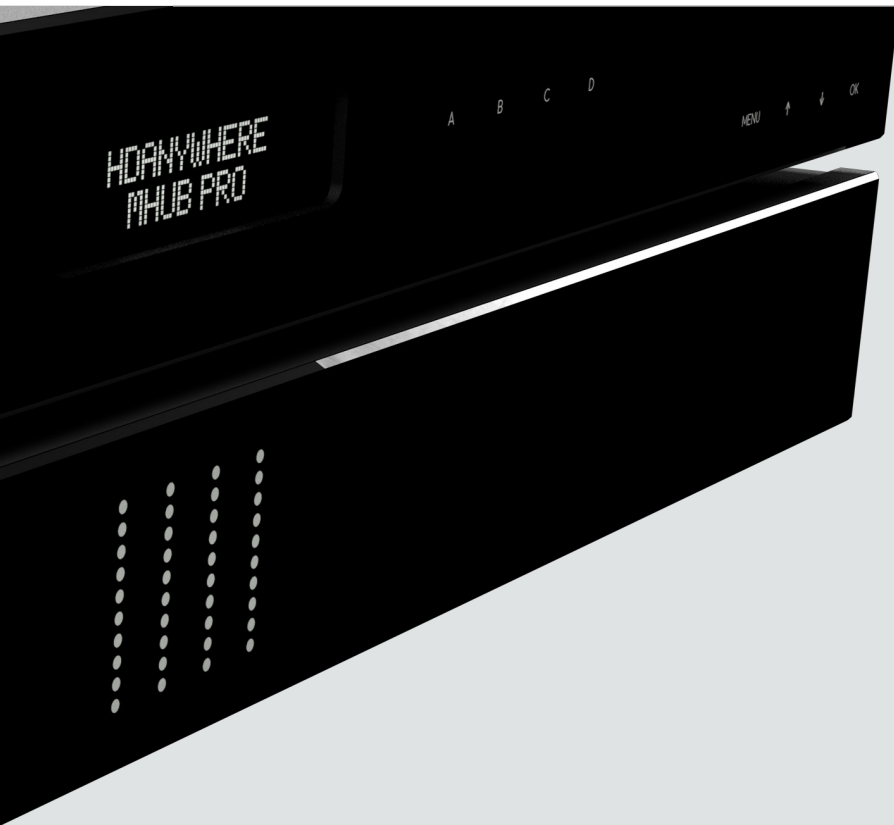
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## David Tyas

MHUB AUDIO LEAD ENGINEER

David is a British Fellow of the Institute of Sound & Communications Engineers. He has a PHD in digital control of analogue audio and lectures for the Audio Engineering Society. Working in audio electronics since 1970, David initially designed audio systems for the UK's most prestigious nightclubs, subsequently joining KLARK TEKNIK where he developed the MIDAS digital mixer consoles, used by the BBC and other broadcasters all over the world.





## Introducing MHUB V&A

### Room-to-room home entertainment.

MHUB V&A - a complete solution for watching and listening throughout the home. An MHUB V&A system delivers multiple locations of pixel-perfect 4K video and 110W amplified audio to all zones from a central location.

**Stack up to four MHUB systems together to create a V&A system to suit your project.**

Any MHUB PRO system can be used as the HDMI video matrix (the MHUB 'V' part) which is then added to a new MHUB model called MHUB AUDIO: a multi-zone, audio matrix-amplifier with DSP (the MHUB 'A' part) to create your V&A system.

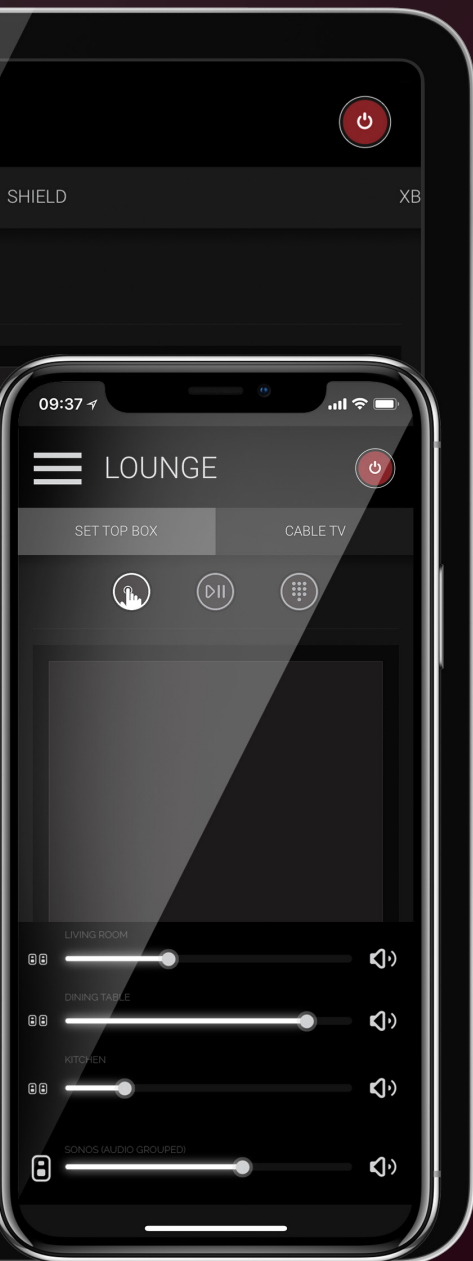
MHUB's powerful on board software will then take care of all setup and management with no programming or technical knowledge required. Finally, full and comprehensive control is delivered via our remote app uControl or from third party control drivers.

# uControl

Unintimidating, universal & unifying.



**HDA**  
uControl  
Download on the  
App Store  
GET IT ON  
Google Play



## uControl: our free remote app

uControl is HDANYWHERE's universal remote app, designed to unify control of all your AV devices room-to-room into a single easy-to-use interface, instead of multiple remotes, that's always close to hand.

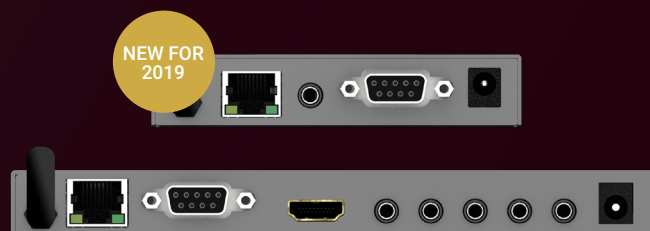
## Patented

uControl utilises a unique patented system of IP gateway and control ports built into all MHUBs as standard. And new for 2019, two standalone uControl zone processors.

## uControl Zone Processor

The UZP1 and UZP5 are WiFi-enabled uControllers, bringing an array of accessible control ports in the form of infrared (IR), HDMI-CEC, serial and IP.

The uControllers can be utilised by app users, Alexa voice users and third party systems via HDANYWHERE's open API. Setup is easy taking minutes to configure.



Patented GB 2548668



## Third-party Integration & API

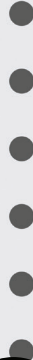
### Feature-rich drivers for major control systems.

MHUB and its uControl hardware works with all major control systems available on the market and boasts the ability to integrate with practically any control system via its modern, feature-rich API. HDANYWHERE remains committed to providing the easiest integration for professionals leading to the development of unique 'Expanded IO' drivers which give the integrator, via their chosen control system, addressable control of the IR/IP/CEC/Serial communication ports on board MHUB - meaning no additional, dedicated, control hardware required.

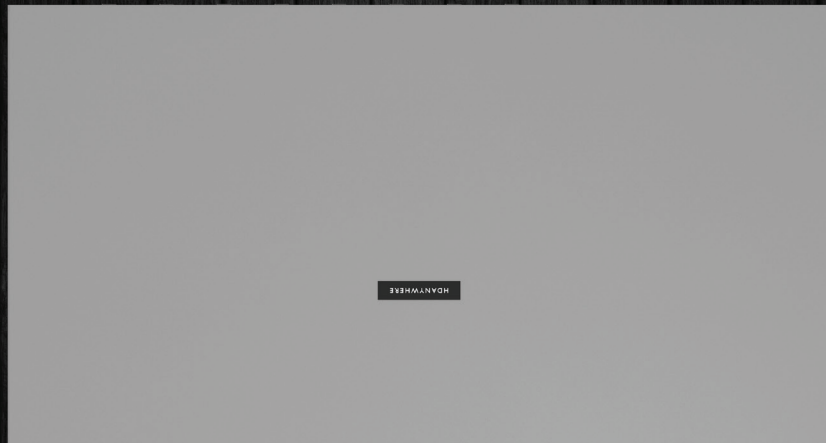
Control system	Current Ability	Expanded IO
Control4	Unit discovery, IP healing, switching, state, 2-way feedback, Expanded IO (display/AVR/source control), volume step/slide, power.	Expand I/O  ADVANCED DRIVER
CRESTRON	Switching, power	Development 2019
SAVANT	Switching, power	No support
NEEO™	Unit discovery, MHUB V&A, IP healing, switching, state, 2-way feedback, Expanded IO (display/AVR/source control), volume step/slide, power.	Expand I/O  ADVANCED DRIVER
LOXONE	Switching, state reporting, 2-way feedback, volume step/slide, power.	
RTI	Unit discovery, IP healing, switching, state, 2-way feedback, Expanded IO (display/AVR/source control), volume step/slide, power.	Expand I/O  ADVANCED DRIVER
U-C Control by Experience	Switching, power	Development 2019
ELAN	Switching, power	
amazon alexa	Unit discovery, MHUB V&A, IP healing, switching, 2-way feedback, Expanded IO (display/source control), volume step/slide.	Expand I/O  ADVANCED DRIVER



**Your office.**



**Your client's MHUB.**



## Remote System Management

Powerful, free, cloud monitoring in every MHUB.

All MHUB systems can communicate with HDA Cloud, our global service and information platform. This ability makes it possible for HDANYWHERE to offer remote system monitoring and management (PRO models only) giving installers access to secure data from all their MHUB locations, their operational status and even the ability to make changes to MHUB configuration without being on site.

# MHUB

HDMI, HDBaseT & audio matrices

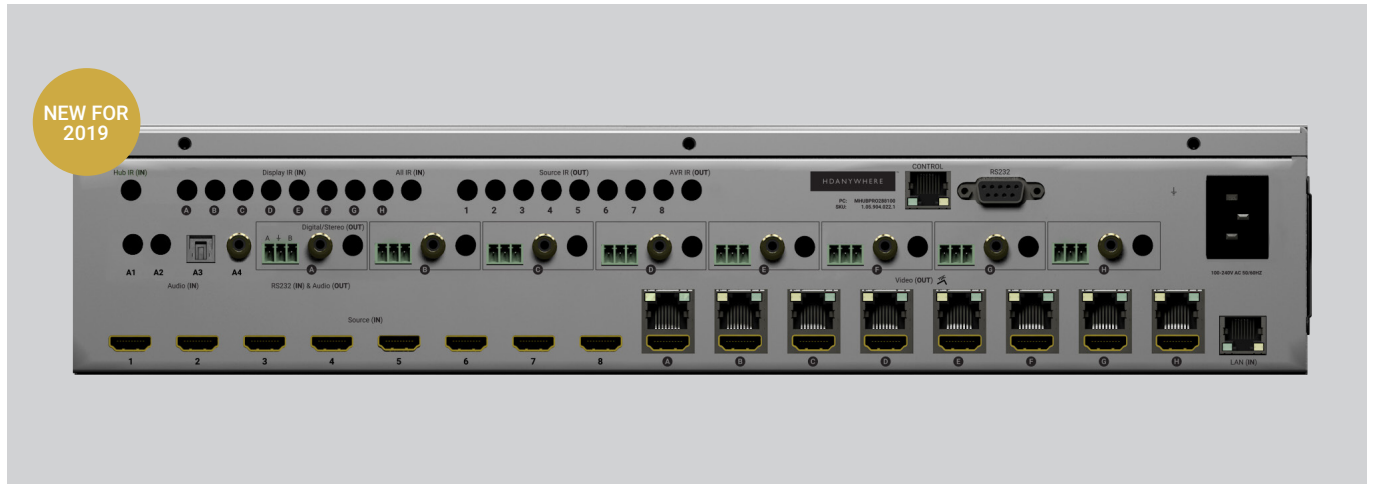
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# MHUB PRO 2.0 (8x8)

Product code: MHUBPRO288100



Designed to address the needs of a contemporary AV install, MHUB PRO 2.0 is fully HDMI 2.0 compatible, equipped with 18G HDMI interfaces and backplane to support Ultra HD 4K/60 (4:4:4) with HDBaseT 2.0 technology to transmit 4K to displays up to 100 metres away over a single Cat6 cable with no latency.

Versatile integrator-centric functions include an internal video scaler, which can fix certain video zones at 1080p, without affecting higher 4K resolution zones, so that every display is always performing at its best. Audio can be 'grabbed' from either the source or display via HDMI-ARC, and an internal 20x8 independent audio matrix switcher offers flexible routing of the grabbed audio, with volume and delay adjustments to make managing audio easy for connection to amps, active speakers, soundbar etc.

## Features

18G (600MHz) HDMI® 2.0 and HDCP 2.2 compatible
Supports source content up to and inc. Ultra HD 4K 60 4:4:4 with High Dynamic Range (HDR) all current formats inc. Dolby Vision®
Supports all current audio formats including Dolby Atmos® and DTS:X®
HDBaseT 2.0 with PoH
Internal video scaling (4K>1080p on every output)
Internal 20x8 audio matrix switcher with flexible grabbing audio (source or display HDMI-ARC) via digi coax, or audio downmix via stereo jack
Internal uControl IO expander universal controller
Control paths via TCP/IP, two-way IR and RS232
Backlit fade in/out touch panel controls
App/web GUI for easy config (MHUB-OS) with remote management (HDA Cloud)
2x integrated 10/100 Ethernet LAN connections at RX
Sold as a complete install package, with all receivers, IR cables and mounting kit included.

## Specification

Form factor	19"/2U aluminium rack-mountable unit
Inputs x outputs	8 HDMI x 8 RJ45 HDBaseT + 8 mirrored HDMI
Transmission tech.	HDBaseT 2.0 (VS2000) + TPC
Video bandwidth	HDMI backplane 594MHz clock / 18Gbps data HDBT 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	8500g
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

**App control**  
Full control of your MHUB, Source and Displays via our integrated and free app, uControl.

**Voice Control**  
All MHUB's support Amazon Alexa natively, allowing full control of your AV system using voice commands.

**3rd Party Control**  
MHUB's offer IP and RS232 integration as standard. Advanced "Expanded IO" drivers also supported for major control systems.

**IR Control**  
Two infrared (IR) remote controllers included for hub and zone control inside package.

# MHUB PRO 2.0 (4x4)

Product code: MHUBPRO24440



Designed to address the needs of a contemporary AV install, MHUB PRO 2.0 is fully HDMI 2.0 compatible, equipped with 18G HDMI interfaces and backplane to support Ultra HD 4K/60 (4:4:4) with HDBaseT 2.0 technology to transmit 4K to displays up to 40 metres away over a single Cat6 cable with no latency.

Versatile integrator-centric functions include an internal video scaler, which can fix certain video zones at 1080p, without affecting higher 4K resolution zones, so that every display is always performing at its best. Audio can be 'grabbed' from either the source or display via HDMI-ARC, and an internal 12x4 independent audio matrix switcher offers flexible routing of the grabbed audio, with volume and delay adjustments to make managing audio easy for connection to amps, active speakers, soundbar etc.

## Features

18G (600MHz) HDMI® 2.0 and HDCP 2.2 compatible
Supports source content up to and inc. Ultra HD 4K 60 4:4:4 with High Dynamic Range (HDR) formats inc. Dolby Vision®
Supports all current audio formats including Dolby Atmos® and DTS:X®
HDBaseT 2.0 with PoH
Internal video scaling (4K>1080p on every output)
Internal 12x4 audio matrix switcher with flexible grabbing audio (source or display HDMI-ARC) via digi coax, or audio downmix via stereo jack
Internal uControl IO expander universal controller
Control paths via TCP/IP, two-way IR and RS232
Backlit fade in/out touch panel controls
App/web GUI for easy config (MHUB-OS) with remote management (HDA Cloud)
Sold as a complete install package, with all receivers, IR cables and mounting kit included.

## Specification

Form factor	19"/1U aluminium rack-mountable unit
Inputs x outputs	4 HDMI x 4 RJ45 HDBaseT + 4 mirrored HDMI
Transmission tech.	HDBaseT 2.0 (VS200) + TPC
Video bandwidth	HDMI backplane 594MHz clock / 18Gbps data HDBT 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

**App control**  
Full control of your MHUB, Source and Displays via our integrated and free app, uControl.

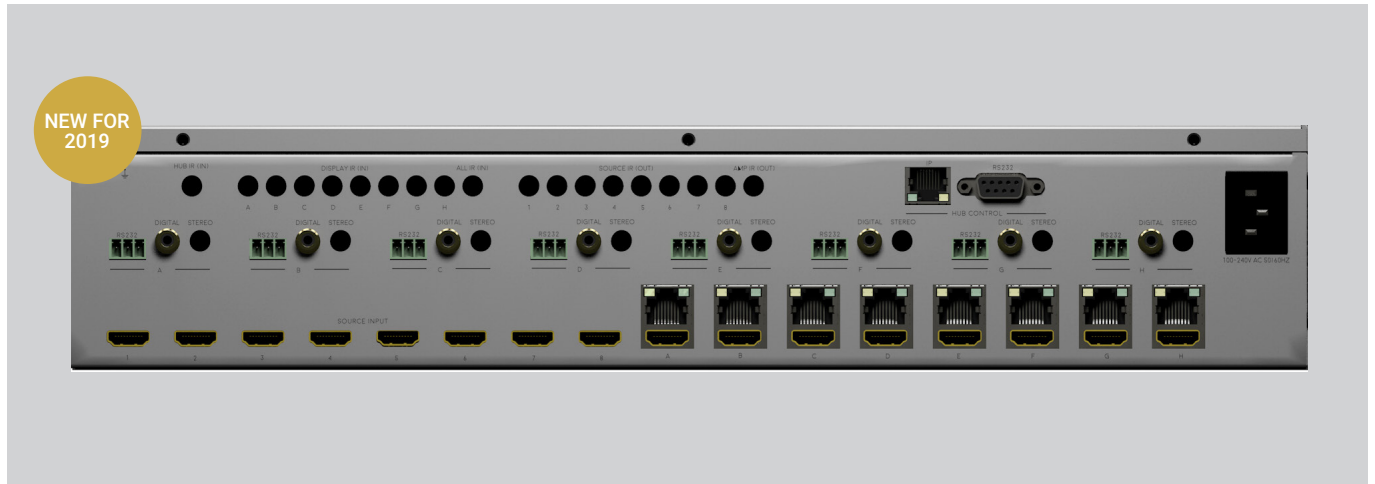
**Voice Control**  
All MHUB's support Amazon Alexa natively, allowing full control of your AV system using voice commands.

**3rd Party Control**  
MHUB's offer IP and RS232 integration as standard. Advanced "Expanded IO" drivers also supported for major control systems.

**IR Control**  
Two infrared (IR) remote controllers included for hub and zone control inside package.

# MHUB PRO (8x8) 40

Product code: MHUBPRO8840



Connectivity-rich professional series 8x8 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 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
Sold as a complete install package, with all receivers, IR cables and mounting kit included.


## Specification

Form factor	19"/2U aluminium rack-mountable unit
Inputs x outputs	8 HDMI x 8 RJ45 HDBaseT + 8 mirrored HDMI
Transmission tech.	HDBaseT (VS010)
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	8500g
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




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Full control of your MHUB, Source and Displays via our integrated and free app, uControl.



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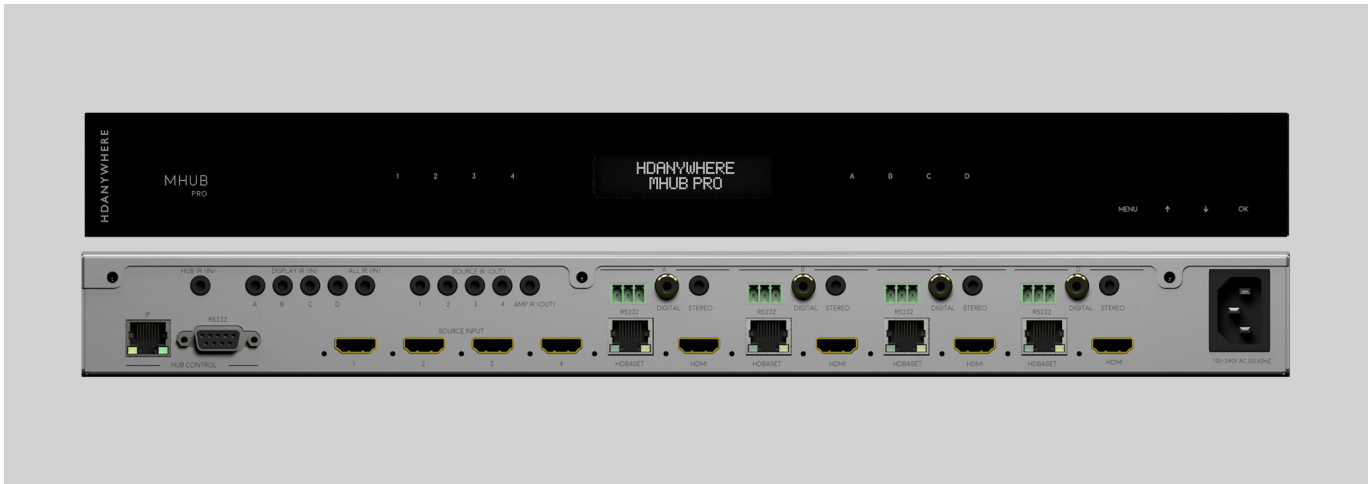
**3rd Party Control**  
MHUB's offer IP and RS232 integration as standard. Advanced "Expanded IO" drivers also supported for major control systems.



**IR Control**  
Two infrared (IR) remote controllers included for hub and zone control inside package.

# 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 multi zone 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
Sold as a complete install package, with all receivers, IR cables and mounting kit included.


## Specification

Form factor	19"/1U aluminium rack-mountable unit
Inputs x outputs	4 HDMI x 4 RJ45 HDBaseT + 4 mirrored HDMI
Transmission tech.	HDBaseT (VS010)
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




**App control**  
Full control of your MHUB, Source and Displays via our integrated and free app, uControl.



**Voice Control**  
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**3rd Party Control**  
MHUB's offer IP and RS232 integration as standard. Advanced "Expanded IO" drivers also supported for major control systems.



**IR Control**  
Two infrared (IR) remote controllers included for hub and zone control inside package.

# 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 throughput
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
Sold as a complete install package with mounting kit included.


## Specification

Form factor	19"/1U aluminium 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	2200g
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




**App control**  
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**Voice Control**  
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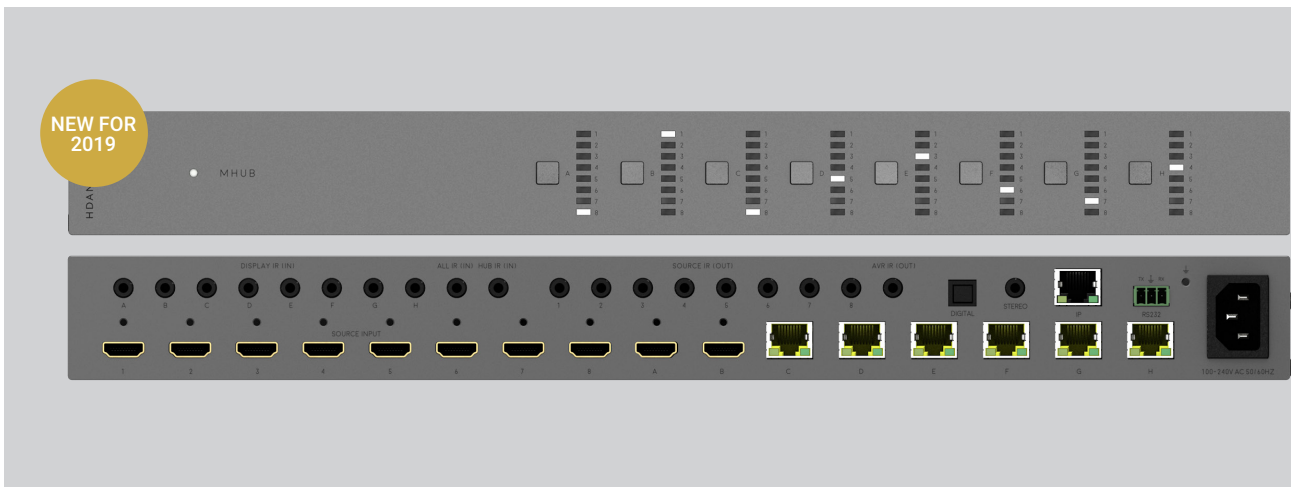
**3rd Party Control**  
MHUB's offer IP and RS232 integration as standard. Advanced "Expanded IO" drivers also supported for major control systems.



**IR Control**  
One infrared (IR) remote controller included for hub control inside package.

# MHUB U (8x6+2)

Product code: MHUB862U40



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 match any of the display zone outputs A-H.

## Features

HDMI® 2.0 features supported up to 18Gbps
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 source content up to and inc. Ultra HD 4K 60 4:4:4 with High Dynamic Range (HDR) formats inc. Dolby Vision®
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
Sold as a complete install package, with all receivers, IR cables and mounting kit included.

## Specification

Form factor	19"/1U aluminium rack-mountable unit
Inputs x outputs	8 HDMI x 6 RJ45 HDBaseT + 2 HDMI
Transmission tech.	HDBaseT (VS010) + TPC and HDMI
Video bandwidth	HDMI backplane 594MHz clock / 18Gbps data HDBT 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

**App control**  
Full control of your MHUB, Source and Displays via our integrated and free app, uControl.

**Voice Control**  
All MHUB's support Amazon Alexa natively, allowing full control of your AV system using voice commands.

**3rd Party Control**  
MHUB's offer IP and RS232 integration as standard. Advanced "Expanded IO" drivers also supported for major control systems.

**IR Control**  
One infrared (IR) remote controller included for hub and zone control inside package.

# MHUB U (4x3+1)

Product code: MHUB431U40



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 match any of the display zone outputs A,B,C or D.


## Features

HDMI® 2.0 features supported up to 18Gbps
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 source content up to and inc. Ultra HD 4K 60 4:4:4 with High Dynamic Range (HDR) formats inc. Dolby Vision®
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
Sold as a complete install package, with all receivers, IR cables and mounting kit included.


## Specification

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 (VS010) + TPC and HDMI
Video bandwidth	HDMI backplane 594MHz clock / 18Gbps data HDBT 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




**App control**  
Full control of your MHUB, Source and Displays via our integrated and free app, uControl.



**Voice Control**  
All MHUB's support Amazon Alexa natively, allowing full control of your AV system using voice commands.



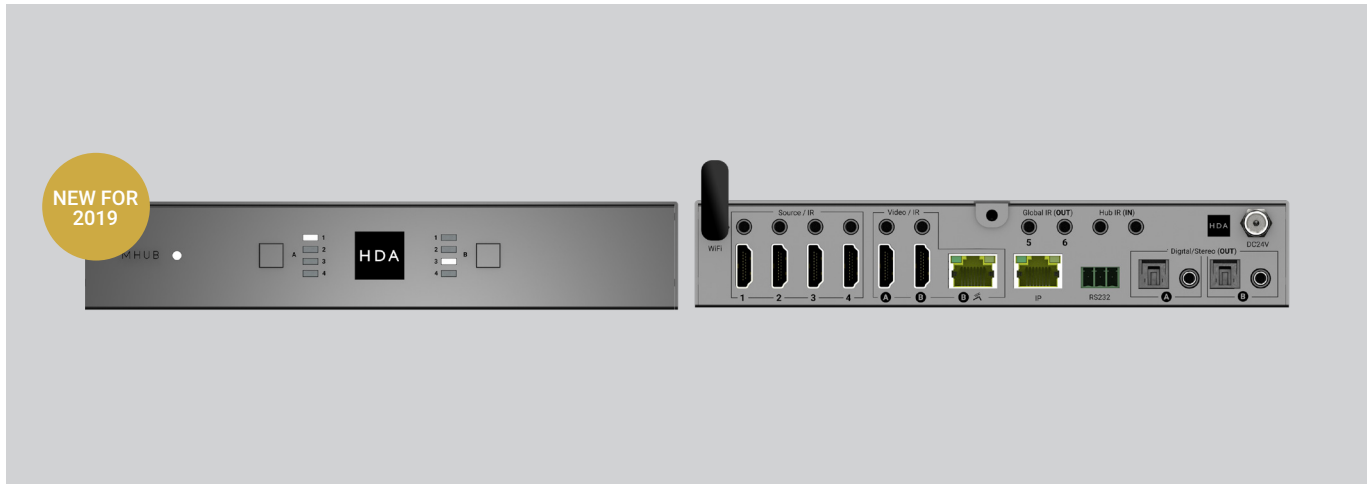
**3rd Party Control**  
MHUB's offer IP and RS232 integration as standard. Advanced "Expanded IO" drivers also supported for major control systems.



**IR Control**  
One infrared (IR) remote controller included for hub and zone control inside package.

# MHUB U (4x1+1)

Product code: MHUB411U40



Cloud monitorable 4x1+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 match any of the display zone outputs A or B.

## Features

HDMI® 2.0 features supported up to 18Gbps
Display receiver 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 source content up to and inc. Ultra HD 4K 60 4:4:4 with High Dynamic Range (HDR) formats inc. Dolby Vision®
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
Sold as a complete install package, with Receiver, IR cables included.

## Specification

Form factor	Compact unit. Mountable with optional mounting wings
Inputs x outputs	4 HDMI x 1 RJ45 HDBaseT + 1 HDMI + 1 mirrored HDMI
Transmission tech.	HDBaseT (VS010) + TPC and HDMI
Video bandwidth	HDMI backplane 594MHz clock / 18Gbps data HDBT 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 TBC RX 125g
Package weight	TBC
Dimensions (W/D/H)	Hub 220 / 200 / 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	AC Power Supply (US/EU standards, CE/FCC/UL certified)
Guarantee	2/3-year guarantee (Cloud registration required)

## Control

**App control**  
Full control of your MHUB, Source and Displays via our integrated and free app, uControl.

**Voice Control**  
All MHUB's support Amazon Alexa natively, allowing full control of your AV system using voice commands.

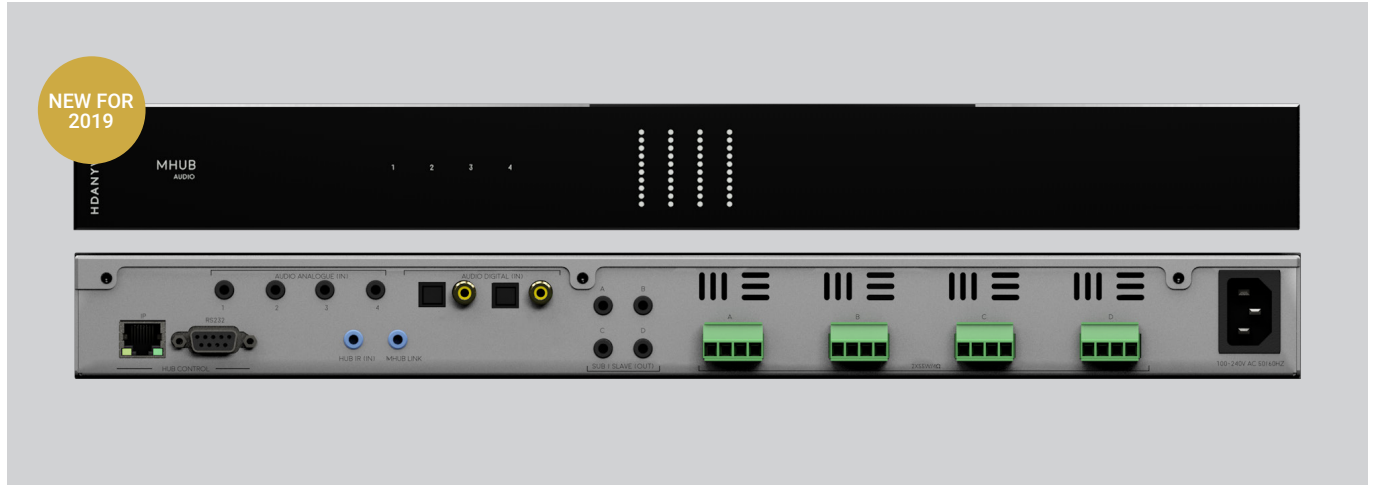
**3rd Party Control**  
MHUB's offer IP and RS232 integration as standard. Advanced "Expanded IO" drivers also supported for major control systems.

**IR Control**  
One infrared (IR) remote controller included for hub and zone control inside package.



# MHUB AUDIO (6x4)

Product code: MHUBAUDIO064



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 uControl. Enabling installers to 'do more with less hardware', the introduction of the MHUB AUDIO means it is now possible to create a total whole-home video, audio and amplification solution entirely under the HDA 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
Sold as a complete install package mounting kit included.

## Specification

Form factor	19"/1U aluminium rack-mountable unit
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	3900g
Dimension (W/D/H)	440 / 284 / 43
Power	110-240V Internal/POE

## Control





**App control**  
Full control of your MHUB, and Speakers via our integrated and free app, uControl.




**Voice Control**  
All MHUB's support Amazon Alexa natively, allowing full control of your AV system using voice commands.

**3rd Party Control**  
MHUB AUDIO offers IP integration as standard for use with all major control system brands.

**IR Control**  
One infrared (IR) remote controller included for hub and zone control inside package.

# MHUB comparison guide

	 <b>MHUB411U40</b>	 <b>MHUB431U40</b>	 <b>MHUB862U40</b>	 <b>MHUBPRO4440</b>		
<b>Inputs/Outputs</b>	HDMI Inputs	4	4	8	4	
	HDBaseT Outputs	1	3	6	4	
	HDMI Output	1	1	2	X	
	HDMI Mirrored Outputs	1	X	X	4	
	HDBaseT Technology	VS010 + TPC	VS010 + TPC	VS010 + TPC	VS010	
<b>I/O Features</b>	POH	✓	✓	✓	✓	
	Distance 4K/1080p	40m/70m	40m/70m	40m/70m	40m/70m	
	Resolution	4K/1080p	4K/1080p	4K/1080p	4K/1080p	
	HDR / Dolby Vision	✓	✓	✓	✓	
	18Gbps	✓	✓	✓	X	
	HDCP	2.2	2.2	2.2	2.2	
	Ethernet Pass-through	X	X	X	X	
	ARC	X	X	X	X	
	<b>Routed Control</b>	Internal Audio Routing	X	✓	✓	X
		Audio Outs (Digital)	1	1	1	4
Audio Outs (Stereo)		1	1	1	4	
Stereo Down-mix		X	X	X	✓	
Backwards IR		✓	✓	✓	✓	
Forwards IR		✓	✓	✓	✓	
Global Backwards		✓	✓	✓	✓	
Global Forwards		✓	✓	✓	✓	
RS232		X	X	X	✓	
App		✓	✓	✓	✓	
<b>Matrix Control</b>	App Control	Display/Source/Switching	Display/Source/Switching	Display/Source/Switching	Display/Source/Switching	
	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	X	✓	
	Packaged with receivers	✓	✓	✓	✓	
	Scaling Receiver Option	✓	✓	✓	✓	
Warranty	2 Years + 1 with cloud registration	2 Years + 1 with cloud registration	2 Years + 1 with cloud registration	3 Years + 1 with cloud registration		

		 MHUBPRO8840	MHUBMAX44	 MHUBPRO24440	 MHUBPRO288100	
Inputs/Outputs	HDMI Inputs	8	4	4	8	
	HDBaseT Outputs	8	X	4	8	
	HDMI Output	X	4	X	X	
	HDMI Mirrored Outputs	8	X	4	8	
	HDBaseT Technology	VS010	X	VS200 + TPC	VS2000 + TPC	
I/O Features	POH	✓	X	✓	✓	
	Distance 4K/1080p	40m/70m	N/A	40m/70m	100m/150m	
	Resolution	4K/1080p	4K/1080p	4K/1080p	4K/1080p	
	HDR / Dolby Vision	✓	✓	✓	✓	
	18Gbps	X	✓	✓	✓	
	HDCP	2.2	2.2	2.2	2.2	
	Ethernet Pass-through	X	X	X	✓	
	ARC	X	X	✓	✓	
	Routed Control	Internal Audio Routing	X	X	✓	✓
		Audio Outs (Digital)	8	4	4	8
Audio Outs (Stereo)		8	4	4	8	
Stereo Down-mix		✓	X	✓	✓	
Backwards IR		✓	X	✓	✓	
Forwards IR		✓	X	✓	✓	
Global Backwards		✓	X	✓	✓	
Global Forwards		✓	X	✓	✓	
RS232		✓	X	✓	✓	
App		✓	✓	✓	✓	
Matrix Control	App Control	Display/Source/Switching	Switching	Display/Source/Switching	Display/Source/Switching	
	iOS / Android	iOS/Android	iOS/Android	iOS/Android	iOS/Android	
	Alexa	✓	✓	✓	✓	
	IP/RS232	✓	✓	✓	✓	
Management	Web Interface	✓	✓	✓	✓	
	Advanced EDID management	✓	✓	✓	✓	
	Remote Monitoring	✓	✓	✓	✓	
	Remote Management	✓	✓	✓	✓	
	Packaged with receivers	✓	X	✓	✓	
	Scaling Receiver Option	✓	X	On board	On board	
Warranty	3 Years + 1 with cloud registration	3 Years + 1 with cloud registration	3 Years + 1 with cloud registration	3 Years + 1 with cloud registration		

# Signal Tools

Adapters, dongles & kits

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# MHUB IR Integration Dongle

Product code: 1.55.911.001.1

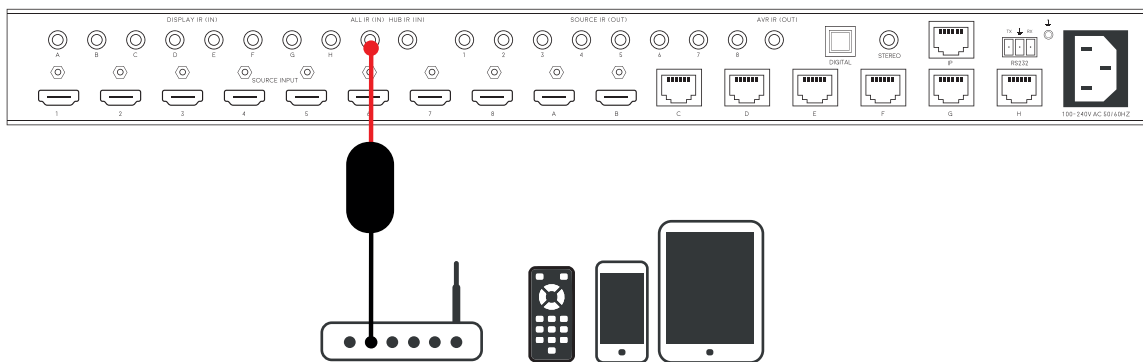


The IR integration dongle is designed to allow you to connect the IR transmitter/blaster output from almost any device (such as a third party control system) directly into the IR receiver input of a MHUB system. This is particularly useful with video over distance systems as it allows a direct, more 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.

INFRARED (IR) CABLE

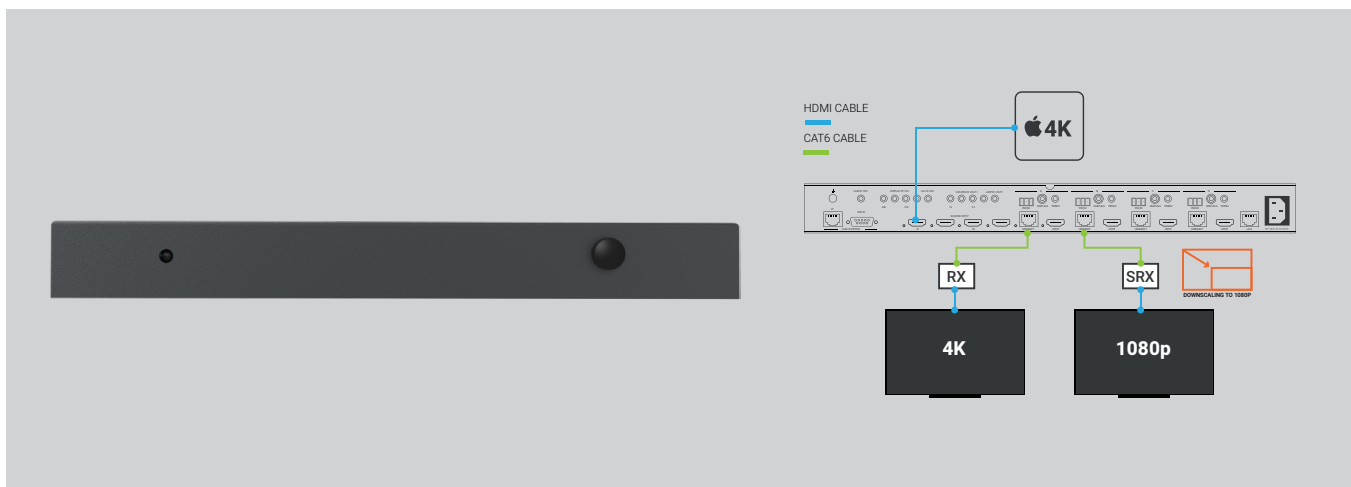


INTEGRATION DONGLE



# 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 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
Up-scale 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
Compatible with MHUB PRO 40 & 70 models only
Up to Dolby Atmos and Dolby DTS:X pass through
HDCP compliant to highest display capability
Sold as a complete install package with mounting wings included.

## Specification

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 (VS100)
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 (2-year if sold separate)

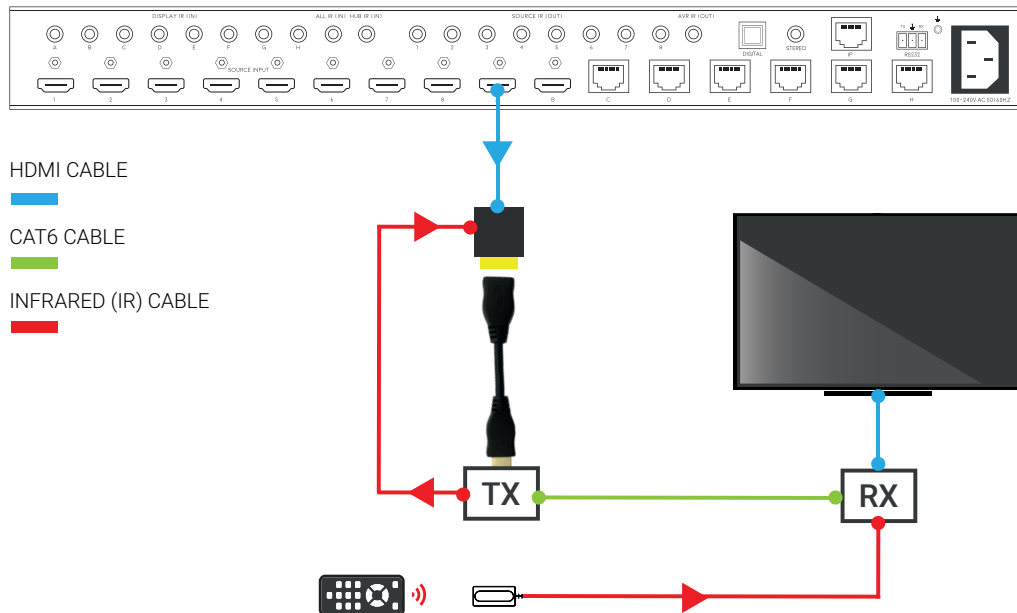
# MHUB + XTND Integration Kit

Product code: 2.50.792



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.



# 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 stereo analog 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
2-year guarantee
UK / EU / AU / US multi-territory adapters included

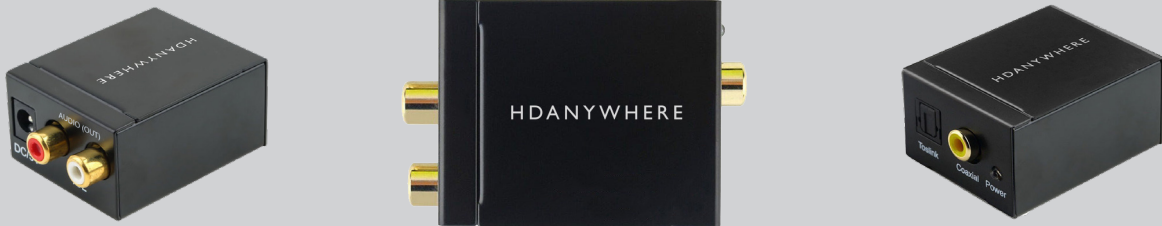
## Specification

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
2-year guarantee
UK / EU / AU / US multi-territory adapters included

## Specification

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)	50 x 40 x 26 mm
Guarantee	1-year guarantee

# XTND Extenders

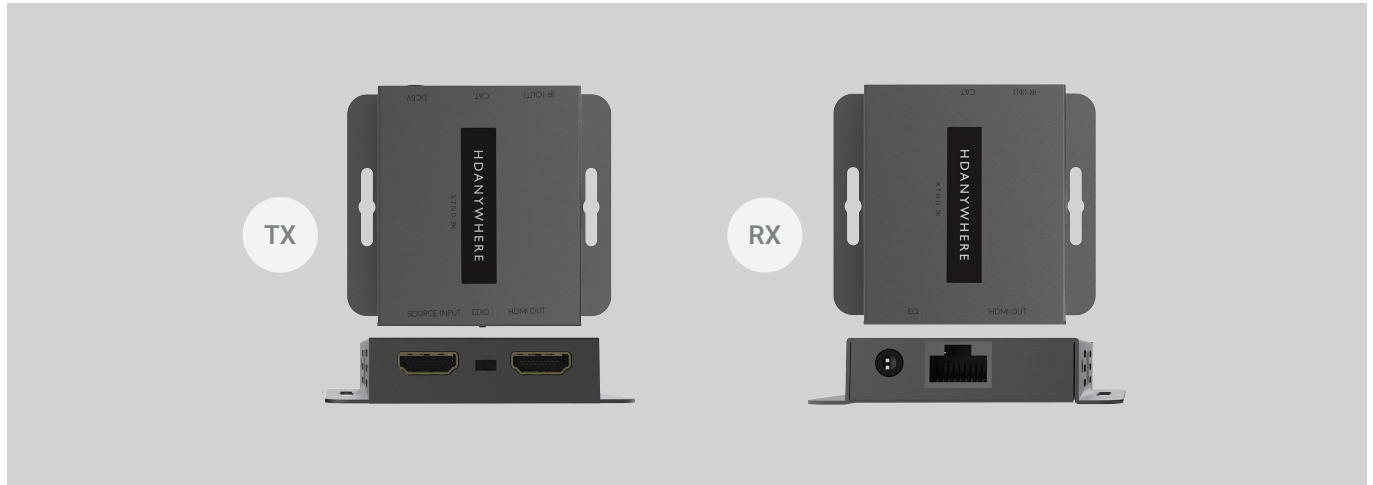
HDMI extension over Cat 6 up to 150m

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# XTND 2K (30)

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

## Specification

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

## Control

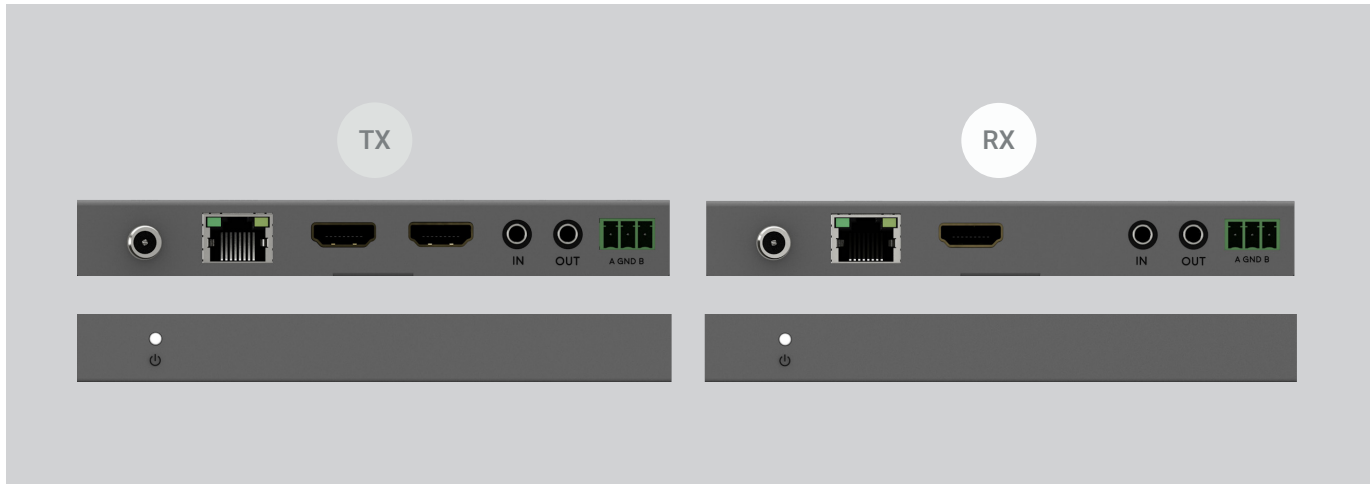


**Backwards IR**

Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.

# XTND 2K (150)

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
4Gbps 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

## Specification

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	148.5MHz clock / 4Gbps 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

## Control

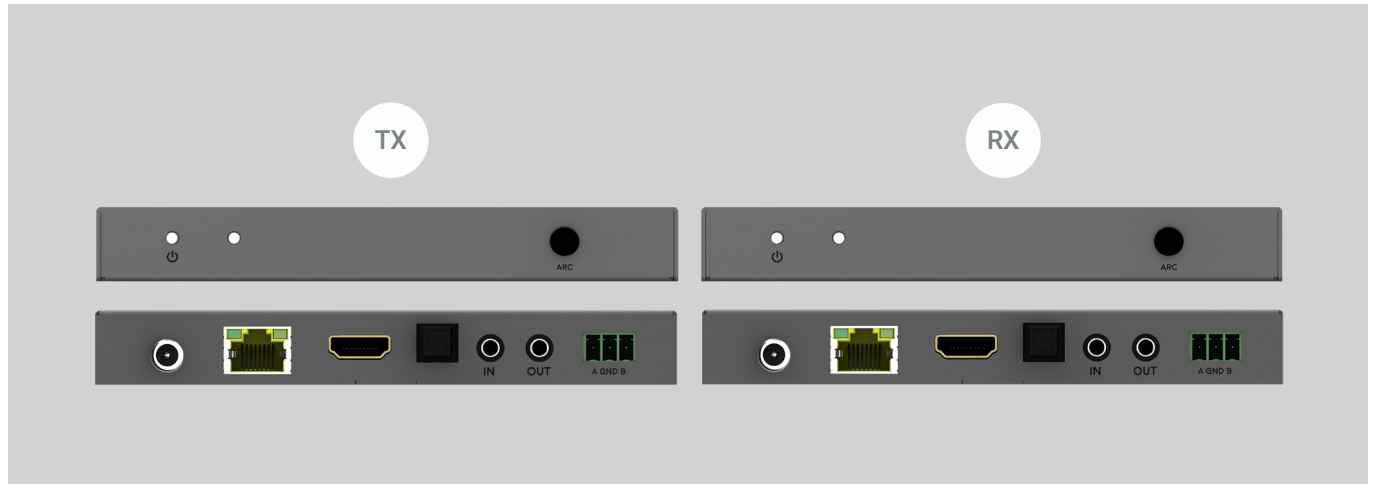
**Backwards IR**  
Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.

**Forwards IR**  
Send infrared (IR) commands from the XTND TX to the display location for control of displays and soundbars.

**2-Way RS232**  
2-way RS232 commands via XTND TX/RX for use with third-party control systems / devices.

# XTND 4K (40) ARC

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

## Specification

TX / RX form factor	Lightweight slender aluminium enclosure
Inputs / outputs	<b>TX</b> HDMI in / RJ45 HDBaseT out / Optical out / RS232 / 2x IR 3.5mm jack (in = to RX / out = from RX) <b>RX</b> 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

## Control

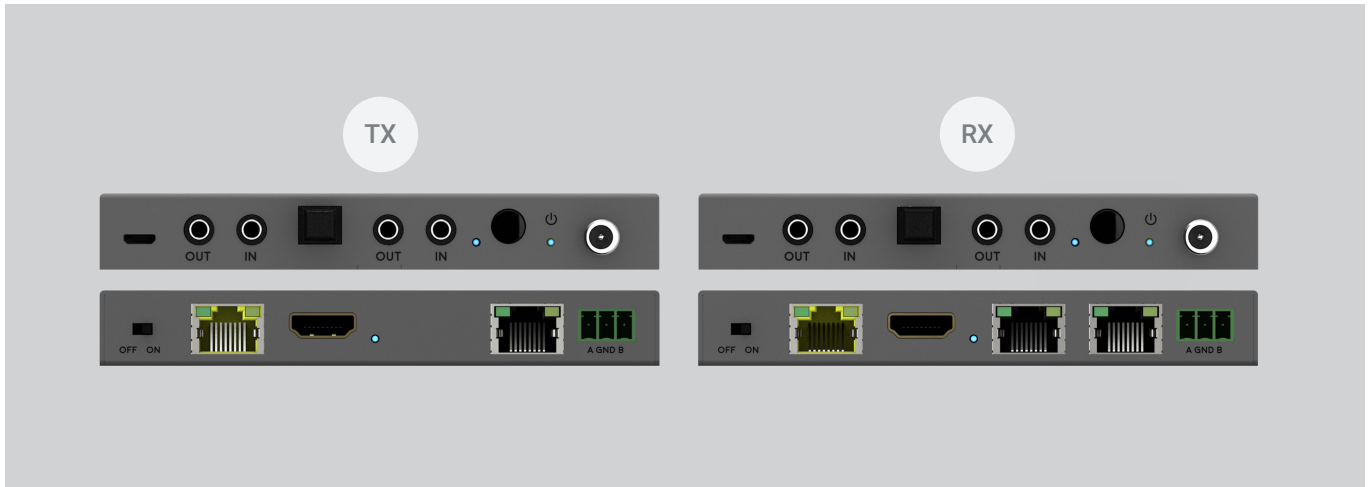
**Backwards IR**  
Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.

**Forwards IR**  
Send infrared (IR) commands from the XTND TX to the display location for control of displays and soundbars.

**2-Way RS232**  
2-way RS232 commands via XTND TX/RX for use with third-party control systems / devices.

# XTND 4K (100) TPC

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 throughput (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

## Specification

TX / RX form factor	Lightweight slender aluminium enclosure
Inputs / outputs	<b>TX</b> 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)  <b>RX</b> 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

## Control

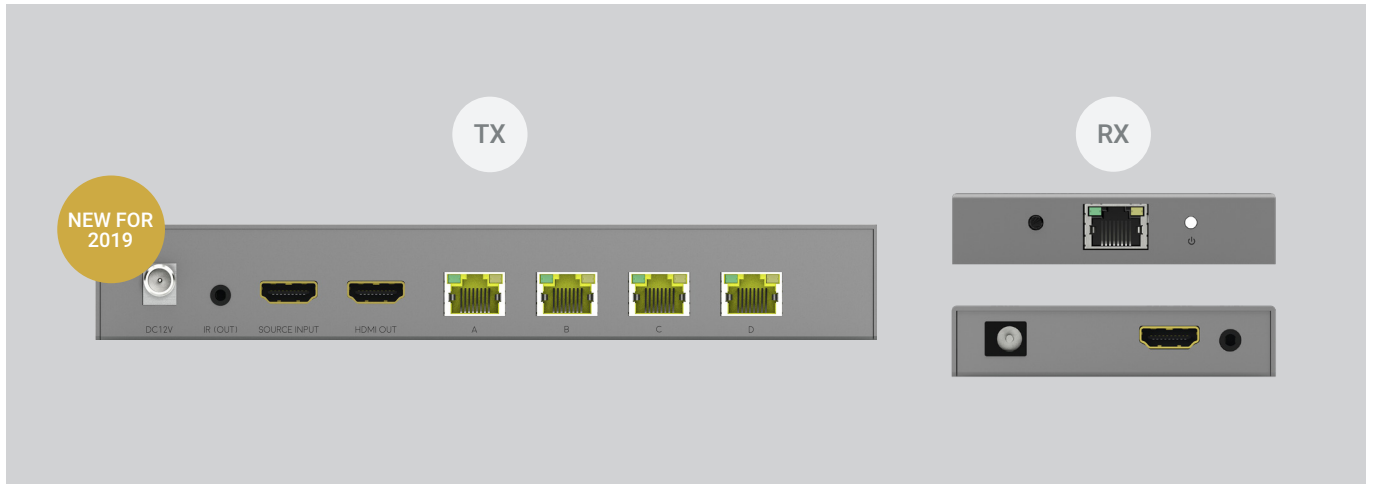
**Backwards IR**  
Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.

**Forwards IR**  
Send infrared (IR) commands from the XTND TX to the display location for control of displays and soundbars.

**2-Way RS232**  
2-way RS232 commands via XTND TX/RX for use with third-party control systems / devices.

# XTND 4K (1x4+1) Splitter

Product code: XTND4K141TPC



Designed for the most modern home entertainment market requirements, the XTND 4K 1x4+1 is fully HDMI 2.0 compatible, boasting 18G HDMI interfaces that support the latest 4K HDR video content as well as 1080p, and Dolby Atmos surround sound. This is distributed over a single Cat6 cable to 4 display locations, up to 30m/60m away with no latency, providing PoE power to the receivers, plus 1 HDMI out for a local display or daisy-chaining with another XTND or HDMI device.

Tipping Point Compression (TPC) enables the transmission of premium UHD/4K 60Hz 4:4:4 content, with all current HDR formats (10 & 12-bit), Dolby Vision®, HDR10 and HLG over a single Cat6 cable, with no human-perceivable difference in video quality.

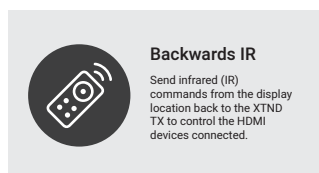
## Features

HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout (up to 30m)
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®
HDMI loop port on hub
All display receivers powered via PoE
UK / EU / AU / US multi-territory adapters included

## Specification

Form factor	Aluminium chassis
Inputs x outputs	1 HDMI x 4 RJ45 HDBiT + 1 HDMI
Transmission tech.	TPC
Video bandwidth	594MHz clock / 18Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Hub control	N/A
App control	N/A
Device weight	575g
Package weight	1500g
Dimensions (W/D/H)	102.5 / 212.6 / 31 mm
Power	DC12V/3A
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 Years

## Control



# XTND Comparison Guide



	XTND2K30P	XTND2K150	XTND4K40ARC	XTND4K100TPC	XTND4K141TPC		
<b>Inputs/Outputs</b>	HDMI Inputs	1	1	1	1		
	HDMI Local Outputs	1	1	X	X	1	
	CAT Outputs	1	1	1	1	4	
	HDBaseTechnology	TMDS	VS010	VS010	VS2000 + TPC	TPC	
<b>I/O Features</b>	POH	✓	✓ (Bi-directional)	✓ (Bi-directional)	✓ (Bi-directional)	✓	
	Distance 4K/1080p	NA/30m	NA/150m	40m/70m	100m/150m	30m/60m	
	Resolution	1080p	1080p	4K/1080p	4K/1080p	4K/1080p	
	HDR / Dolby Vision	X	X	✓	✓	✓	
	18Gbps	X	X	X	✓	✓	
	HDCP	1.4	1.4	2.2	2.2	2.2	
	Ethernet Pass-through	X	X	X	✓	X	
	<b>Audio Features</b>	ARC	X	X	✓	✓	X
		Separate Audio Back	X	X	✓	✓	X
		Separate Audio Forward	X	X	X	✓	X
Audio Outs (other)		X	X	Optical	Optical / Stereo	X	
<b>Routed Control</b>	Backwards IR	✓	✓	✓	✓	✓	
	Forwards IR	X	✓	✓	✓	X	
	RS232	X	✓	✓	✓	X	
	Warranty	2 Years	2 Years	2 Years	2 Years	2 Years	



# Signal Management

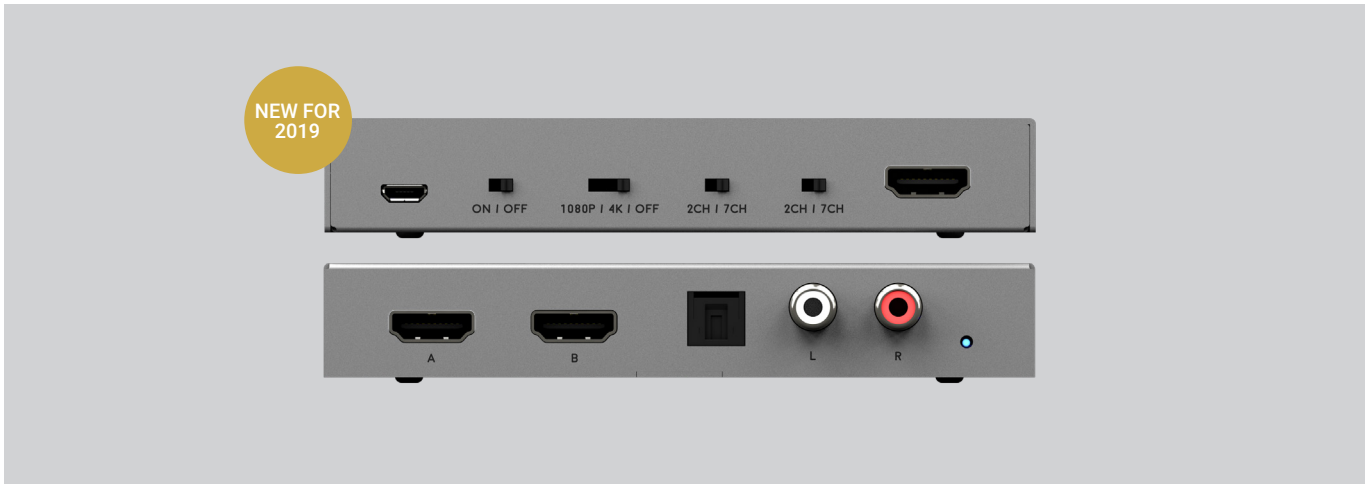
## Manipulation & Conversion

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# HDMI Scaler & Audio Manager

Product code: SIGNALMANAGER



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

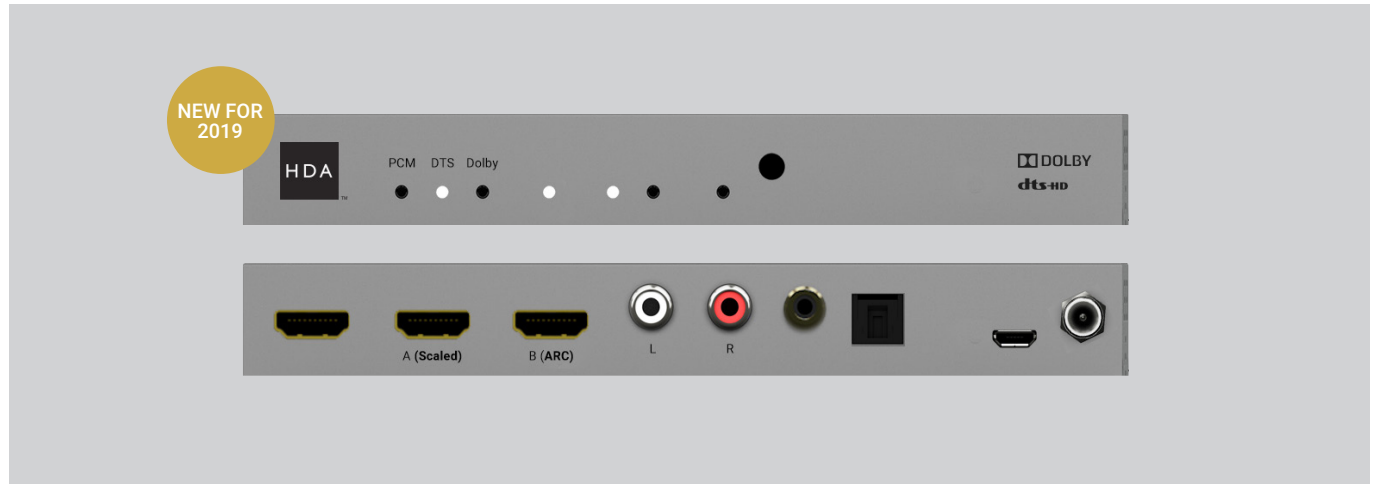
HDMI splitting, scaling and audio management features.
HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughput
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats up to Dolby Atmos® and DTS:X®

## Specification

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
Dimensions (W/D/H)	100 / 56 / 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

# Dolby Audio Down-Mixer

Product code: DDSIGNALMANAGER



A 4K HDMI with Dolby Audio® and DTS-HD® Stereo Audio Downmixer supports the transmission of high bandwidth 18Gbps video through HDMI, and allows the associated audio to be extracted and split to both digital and analog audio outputs, providing high quality audio and video. The Dolby Audio Down-Mixer can downmix standard Dolby Audio & DTS-HD formats up to 7.1 and output the audio as stereo (LPCM 2.0) over HDMI, S/PDIF (optical and coaxial) and analog RCA. Also supported is the pass-through of HD and standard bitstream formats as well as LPCM 7.1 with audio sampling rates up to 192 kHz. Additionally, if the connected display supports ARC, then this unit can grab the ARC audio and output it via all available audio outputs. Both the input and output HDMI ports support 4K UHD resolutions up to 4K@60Hz (YUV 4:4:4, 8-bit).

## Features

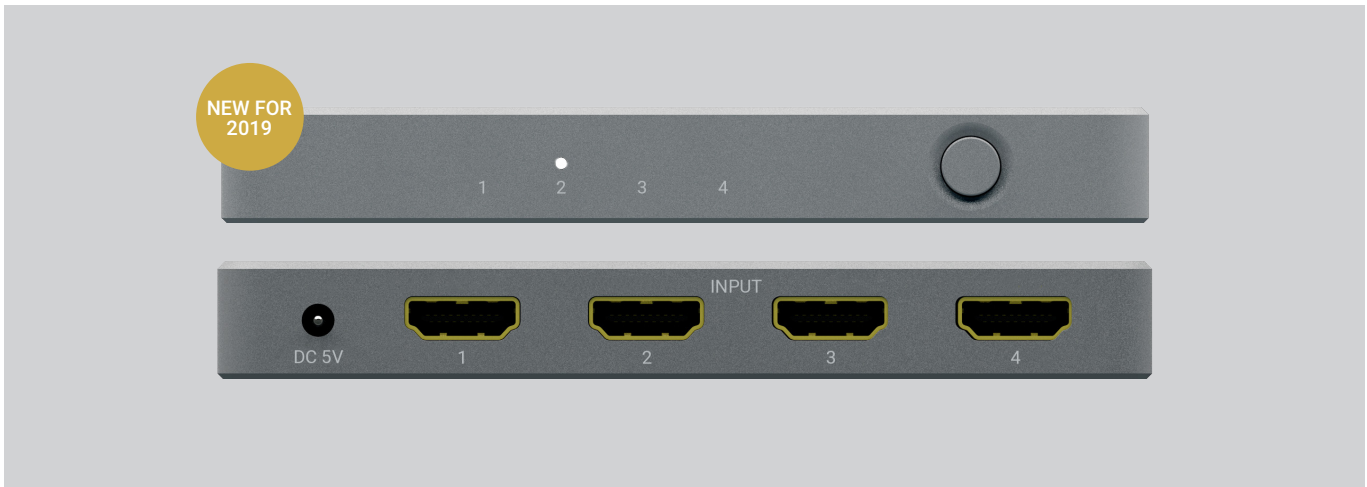
Embedded Dolby Audio / DTS 2.0 decoder
HDMI® 2.0 (a/b) HDCP 1.4/2.2 compliant
18Gbps data rate throughout
Integrated digital interpolation filter and Digital-to-Analog Converter (DAC)
Simultaneous audio output via HDMI, analog stereo, Coaxial and Optical.
Supports HDMI ARC
Dolby Digital sampling rates up to 48kHz
LPCM, DTS sampling rates up to 96kHz
Supports pass-through of LPCM 7.1, bitstream and HD bitstream audio formats over HDMI
Supports resolutions up to 3840x2160@60 Hz (YUV 4:4:4, 8-bit) & 4096x2160@60 Hz (YUV 4:4:4, 8-bit)

## Specification

Form factor	Lightweight slender aluminium enclosure
Inputs / outputs	1 HDMI / 2 HDMI (passthrough / scaled), L/R stereo, RCA, TOSLINK
Transmission tech.	Native HDMI
Device / Package weight	130 / 900 g
Dimensions (W/D/H)	129 / 92 / 12mm
Power	DC 5V/2A (US/EU standards, CE/FCC/UL certified)
Operating temperature	-5°C ~ 51°C / 23°F ~ 125°F
Storage temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative humidity	5~90 % RH (non-condensing)
Power consumption	6W
Guarantee	2-year guarantee

# Switcher MAX (4x1)

Product code: SWITCHERMAX41



The 4x1 Switcher MAX is an Ultra HD Premium™ 4x1 HDMI 2.0 switcher with maximum bandwidth capabilities, the ultimate switch 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

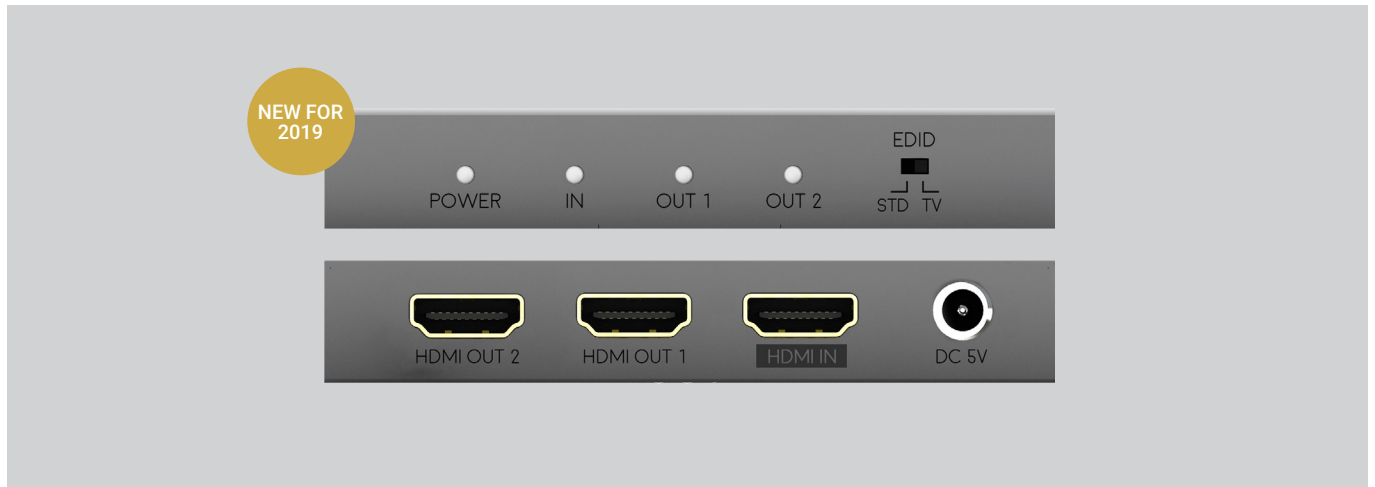
HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats up to Dolby Atmos® and DTS:X®
Built-in equalizer and re-timer

## Specification

Form factor	Lightweight slender aluminium enclosure
Inputs / outputs	4 HDMI / 1 HDMI
Transmission tech	Native HDMI
Video bandwidth	18GBPS
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Device / Package weight	195g
TX/RX Dimensions (W/D/H)	120.97 / 79.17 / 16mm
Power supply 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	1 W
Guarantee	2-year guarantee

# HDMI Splitter MAX (1x2)

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

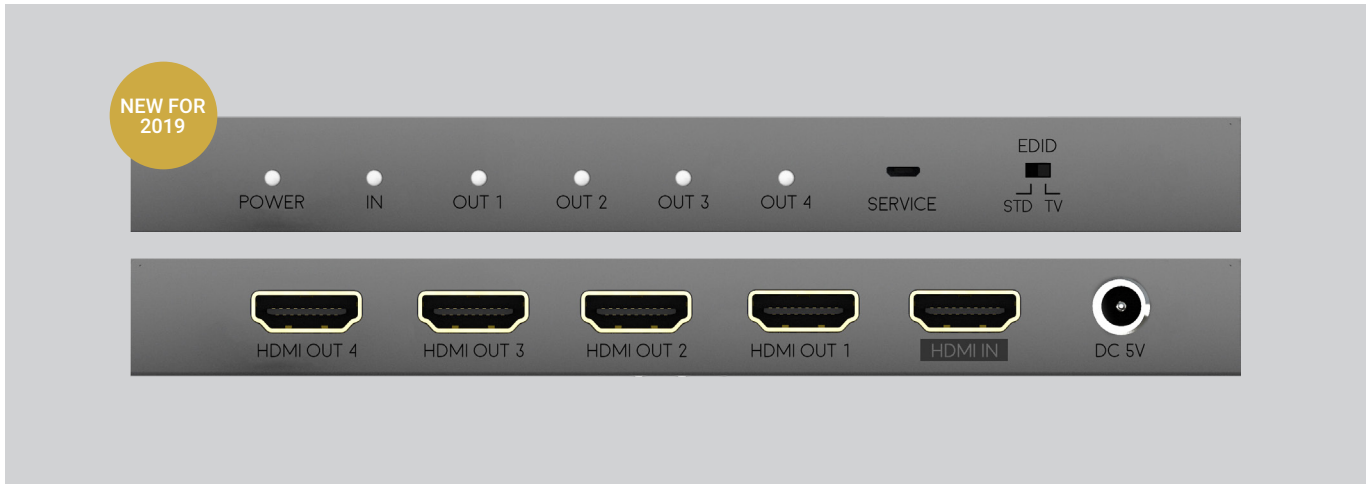
HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout
Advanced EDID management
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats up to Dolby Atmos® and DTS:X®
Built-in equalizer and re-timer

## Specification

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
Dimensions (W/D/H)	100 / 56 / 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 Splitter MAX (1x4)

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 equaliser and re-timer

## Specification

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
Dimensions (W/D/H)	163 / 63 / 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

# Control Processors

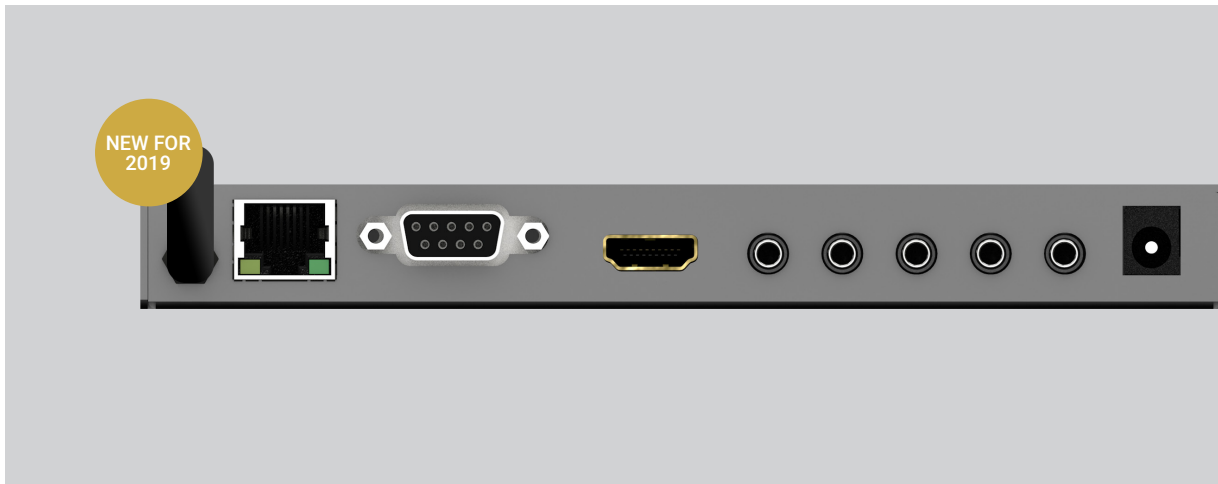
uControl without MHUB

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# uControl Zone Processor

Product code: ZP5



The uControl Zone Processor (ZP5) provides all the benefits of the uControl service without requiring MHUB. Designed to work stand alone or as part of an expansion to any MHUB system, or other brand, the ZP5 brings a rich array of control options in to the hands of the integrator offering a simple and elegant AV control option to old and new installs.

The ZP5 is HDANYWHERE's first WiFi device and acts as a remotely accessible IO expander for uControl. For beginners and installers already familiar with MHUB + uControl, setup is easy, and takes minutes to configure. For advanced users, control can come in the form of CEC, Serial and IP via HDANYWHERE's open API. The ZP5 has x5 IR ports, x1 HDMI CEC port and x1 RS232 making for a neat, and instant, all-in-one AV control solution.


## Features

x1 HDMI CEC control port
x1 two-way RS232 serial comms port
x5 IR outputs
Access to uControl service including IR database
Instant Alexa Voice control
WiFi enabled for concealed or hard to reach areas
Customisable via HDA API
MHUB-OS on board
Sold as a complete package, IR cables and mounting kit included.


## Specification

Form factor	Lightweight slender aluminium enclosure
Control Outputs	1 HDMI (CEC), 1 RS232, 5 IR
Comms Method	IP (API), uControl, Expanded IO drivers (TBC)
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Device / Package weight	195 / 1100 g
Dimensions (W/D/H)	176 / 68.5 / 20mm
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


## Control



**App control**  
Full control of your Matrix, Source and Displays via HDANYWHERE's free app uControl



**Voice Control**  
Full control of your Matrix, Source and Displays via HDANYWHERE's free app uControl



**3rd Party Control**  
Full control of your Matrix, Source and Displays via HDANYWHERE's free app uControl



# uControl Zone Processor Mini

Product code: ZP1



The uControl Zone Processor Mini (ZP1) provides all the benefits of the uControl service without requiring MHUB. Designed to work stand alone or as part of an expansion to any MHUB system, or other brand, the ZP1 brings a rich array of control options in to the hands of the integrator offering a simple and elegant AV control option to old and new installs.

The ZP1 is HDANYWHERE's first WiFi device and acts as a remotely accessible IO expander for uControl. For beginners and installers already familiar with MHUB + uControl, setup is easy, and takes minutes to configure. For advanced users, control can come in the form of CEC, Serial and IP via HDANYWHERE's open API. The ZP1 has x1 IR port and x1 RS232, perfect for remote control of difficult devices such as soundbars, projectors or older, legacy, HDMI video distribution systems which do not support any form of native control.


## Features

x1 two-way RS232 serial comms port
x1 IR outputs
Access to uControl service including IR database
Instant Alexa Voice control
WiFi enabled for concealed or hard to reach areas
Customisable via HDA API
MHUB-OS on board
Sold as a complete package, IR cables and mounting kit included.


## Specification

Form factor	Lightweight palm-sized aluminium enclosure
Inputs / outputs	LAN, WIFI / 1 IR, 1 R232
Comms Method	IP (API), uControl, Expanded IO drivers (TBC)
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Device / Package weight	80 / 900g
Dimensions (W/D/H)	108 / 68.5 / 20mm
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

## Control



**App control**  
Full control of your Matrix, Source and Displays via HDANYWHERE's free app uControl



**Voice Control**  
Full control of your Matrix, Source and Displays via HDANYWHERE's free app uControl



**3rd Party Control**  
Full control of your Matrix, Source and Displays via HDANYWHERE's free app uControl

# HDMI Cables

18Gbps cabling up to 150m

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<b>SlimWire MAX HDMI cable</b>	<b>51</b>
<b>ActiveWire MAX HDMI cable</b>	<b>52</b>
<b>HDMI Fibre Optic MAX cable</b>	<b>53</b>

# SlimWire MAX HDMI 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

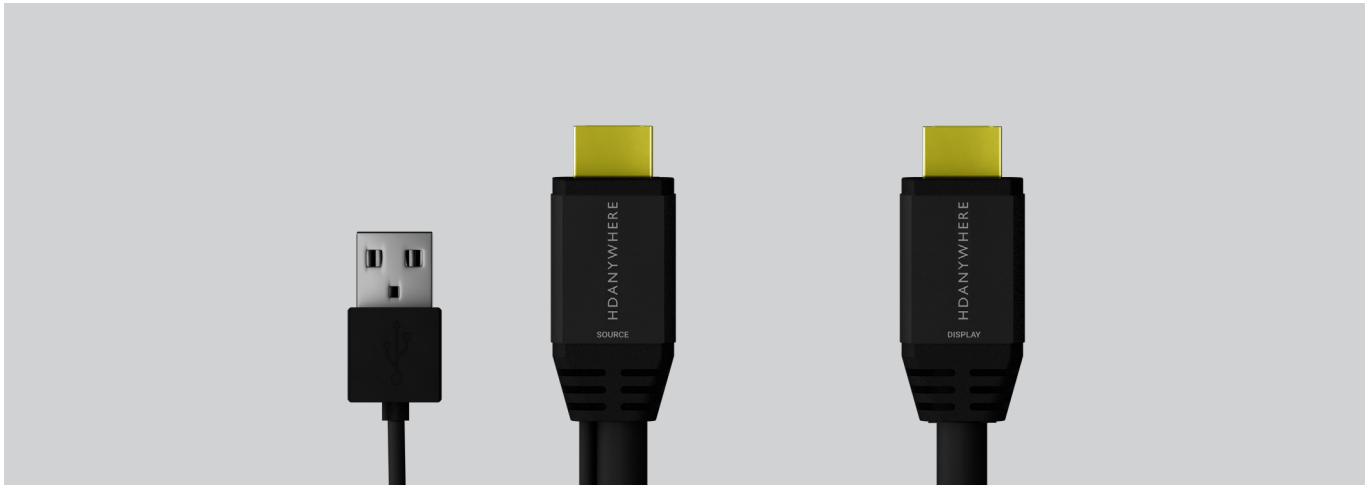
HDMI® 2.0 compliant (a/b)
HDCP 2.2 compliant
18Gbps data rate
Supports all resolutions up to and inc. Ultra HD 4K 60fps 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats 5.1/7.1 Lossless Dolby TrueHD and DTS-HD Surround Sound, Dolby Atmos and DTS:X
Supports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

## Specification

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

# ActiveWire MAX HDMI 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

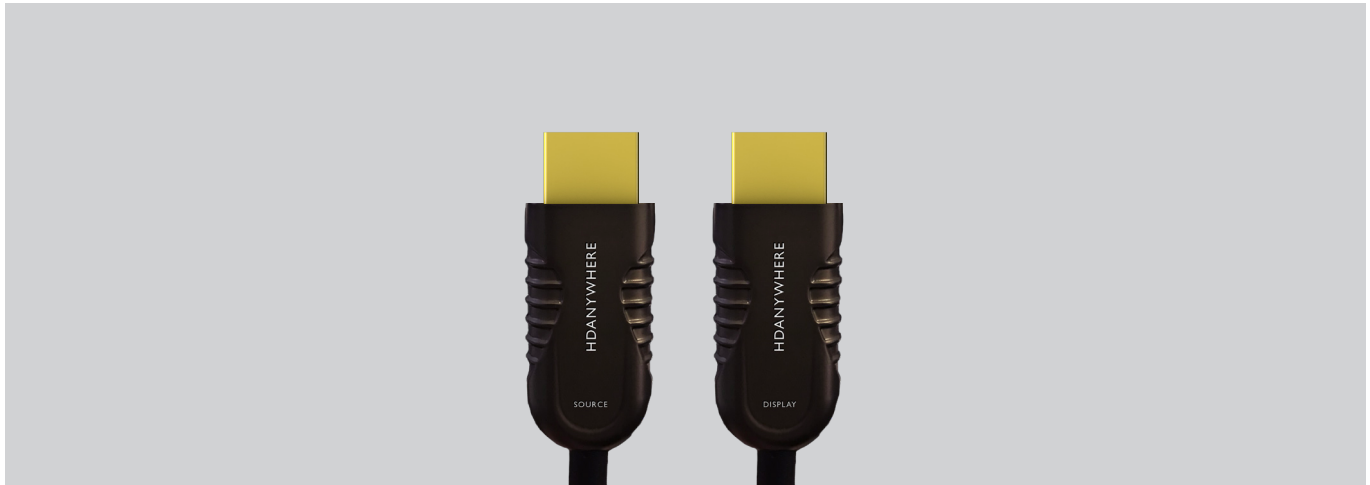
HDMI® 2.0 compliant (a/b)
HDCP 2.2 compliant
18Gbps High Speed data rate (end-to-end)
Supports all resolutions up to and inc. Ultra HD 4K 60fps 4:4:4
Supports all current High Dynamic Range (HDR) formats
Supports all current audio formats 5.1/7.1 Lossless Dolby TrueHD and DTS-HD Surround Sound, Dolby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

## Specification

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 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

## Specification

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

## Training & skills

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.



### 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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## 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 audiovisual connectivity and universal control solutions for the residential and light commercial markets. Our core product lines are centralised video and audio signal distribution and amplification and 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 interconnects, long range HDMI extension with control, HDMI signal management tools, HDMI installation problem solving devices and audio accessories.

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

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Printed January 2019.

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