SMARTER NEATER AV

Our mission is to change the relationship people have with AV in their homes. We are determined to improve the in-home audiovisual experience and make integrated whole-home AV more mainstream.

HDA's centralised multiroom AV systems maximise the use of all entertainment devices while enabling smarter, neater living spaces. Anybody can move between rooms but still access all their favourite shows, movies and recordings on every TV and easily control them from their mobile device. Providing the most fluid and flexible TV viewing experience, without losing a single pixel of picture quality - even at premium 4K Ultra HD resolutions.

For 2017 we have embraced emerging smart home control options, such as voice control and apps. With the release of the uControl universal IR remote app we 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.



CHRIS PINDER FOUNDER

We strongly believe that in-home entertainment systems are the gateway to homeowners adopting a wider range of smart home products and services. We are looking forward to working closely with more AV professionals and smart home designers to help continue to grow the market.













RECENT ACHIEVEMENTS

2015



Winner of all UK CI industry and press awards

First & only video distribution brand to win the prestigious CEDIA Award for "most innovative product".

2015



Connecting homeowners directly to local installers.

First video distribution brand to promote a nationwide Installer Network and deliver HDBT Expert Installer training.

2016



HDA Control launched in App Store

The first in our category to launch a top-down switching app, now over 3000 downloads.

2016



Leading multiroom AV innovation

Patents filed for IP2IR control technologies integrated into MHUB 4K PRO.

2017



uControl universal IR remote app launched

Harnessing the power of IP2IR to enable MHUB connected source and TV control.

2017



18Gbps over HDBaseT™

Tipping Point Compression (TPC) developed to deliver 18Gbps over HDBaseT.

2017



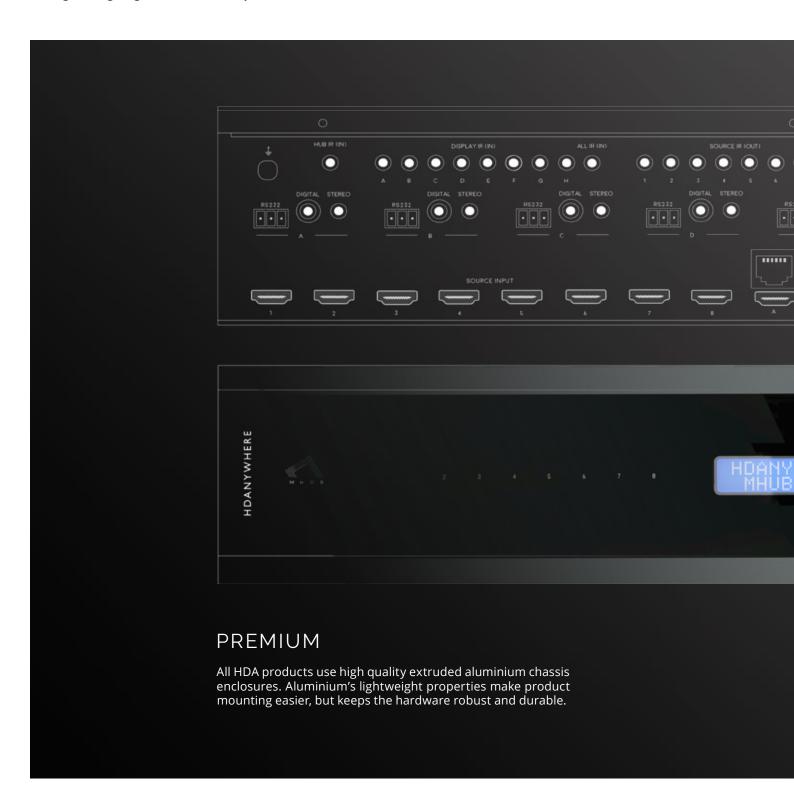
Fusing the best in analogue and digital audio

First-ever HDA multiroom audio system that offers audio routing, lip-sync delay and high quality sound amplification.



HDA DESIGN

User experience and good design is at the core of the what we do. HDANYWHERE products are designed and styled in-house in the UK. For 2017, a more high-end aesthetic and premium industrial design language has been implemented.

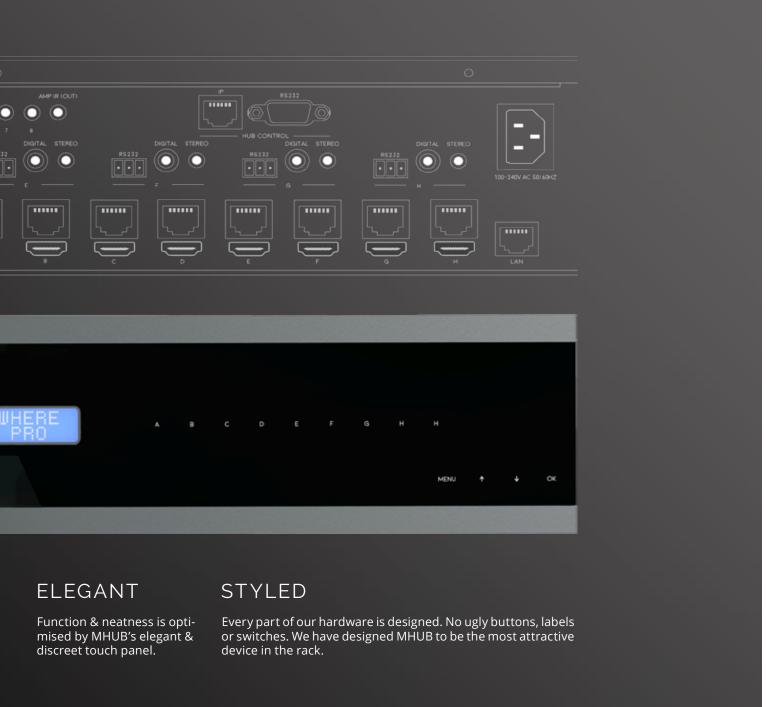


"The use of new materials, such as lightweight aluminium and plastics, together with improved manufacturing processes has resulted, not only in a number of design firsts for HDA but also the highest quality hardware in our product category."

"HDA puts an importance on product appearance as well as function. For example, MHUB PRO is a sophisticated HDMI matrix system, but free of the clutter you see on others. For HDA, less is more. No ubiquitous and unnecessary plastic buttons, rainbow LEDs or garish graphics. We use disappearing backlit touch controls so that the user interface makes way for design minimalism when not required. It is the smallest design details that is one of HDA's biggest brand strengths."

DILLAN PATTNI USER EXPERIENCE





UCONTROL APP

Control is important. It is the bridge between user and machine. HDANYWHERE uControl is the first app of its kind combining source and display control into one clever IR remote app. It requires zero programming knowledge and is free to download from App and Play Stores.



THIRD-PARTY CONTROL INTEGRATION

Because of MHUB 4K PRO's much wider built-in IP2IR control ability, controlling in-room AV within the home with your voice is made a lot simpler than with rival systems. There is no need to add additional controllers or use long convoluted sentences.

Short sentences can trigger multiple actions, that will for example: turn on the TV, switch to the right source connected to the MHUB and then jump to exactly the desired channel all by just simply saying "Alexa, watch BBC News" when you walk into the room.

"Our Alexa integration is truly groundbreaking and totally in-line with HDAN-YWHERE's mission of changing the relationship people have with AV in their homes."

CHRIS PINDER









MHUB 4K PRO

HIGH-END MULTIROOM AV + UCONTROL

Our flagship centralised AV system - delivering maximised AV connectivity, resolution scaling, networking, IoT-capabilities and powerful control. With MHUB 4K PRO you can do so much more with a single piece of hardware in the connected home.

A HDCP 2.2 compliant (4x4/8x8) matrix switcher series, capable of sharing four/eight UHD HDMI media sources to

four/eight long-range screen zones. Via Cat6 cable up to 70 metres for UHD or 100m for 1080p, plus four/eight local zone mirrors via HDMI cables.

HDBaseT (Class A)

Utilises HDBT-A technology for uncompressed audio/video signal distribution, without any degradation in video quality, even at Ultra HD 4K Blu-ray playback resolutions (4K60 8bit 4:2:0 (SDR) and 4K24/30 10bit 4:2:2 (HDR) playback) as well as supporting both stereo downmix and multichannel audio formats, including Dolby Atmos and DTS:X.

Fast Ethernet

Two Ethernet LAN ports are available on each receiver, offering additional networking connectivity at each TV location.





Package

The system package includes the central matrix hub and four/eight slender lightweight receivers. These draw PoE power from the central hub, so no bulky wall PSU or USB 5v cables are required.

Control & Integration

Incorporating a patent-pending integrated IP2IR gateway and routed controller, conventional discrete IR passback and point-to-point forwards IR. The IP2IR conversion function is to support the HDA uControl App (Open API coming soon). Includes all transmitter and receiver cables required to enable full control over all matrix-connected HDMI sources and all screens.



Design

Fronted by backlit touch panel controls that gently fade in and out, as and when required, with a high-quality carbonite lightweight aluminium chassis for both the hub and receivers.

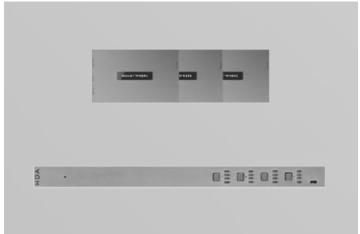
Audio Connectivity

Stereo and digital audio breakout is available on all zone outputs via 3.5mm jack connectors for stereo or digital coax for surround sound formats. Multichannel to stereo downmix is present on the 3.5mm jack connectors.

4-year Warranty

A 3-year standard warranty is provided, increased to 4-years once system registered on HDA Cloud.







MHUB 4K

MORE-AFFORDABLE MULTIROOM AV

Focusing on core functionality and streamlined for maximum value. MHUB 4K keeps the key specs for today's devices in a simplified centralised AV system package.

A HDCP 2.2 compliant (4x3+1/8x6+2) matrix switcher series, capable of sharing four/eight UHD HDMI media sources to three/six long-range screen zones. Via Cat6 cable up to 40 metres in length for UHD, or 70m for 1080p and one/two via

HDMI cables. With discrete IR passback and forwards IR, multichannel audio and PoE display receivers.

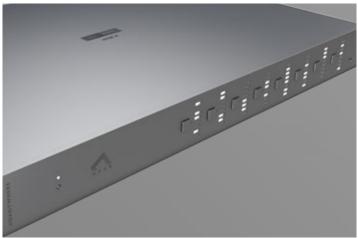
HDBaseT (Class B)

Utilises HDBT-B technology for uncompressed audio/video signal distribution, without any degradation in video quality, even at Ultra HD 4K Blu-ray playback resolutions (4K60 8bit 4:2:0 (SDR) and 4K24/30 10bit 4:2:2 (HDR) playback) as well as supporting both stereo downmix and multichannel audio formats, including Dolby Atmos and DTS:X.

Package

The system package includes the central matrix hub, with either three or six palm-sized lightweight receivers. These draw PoE power from the central hub, so no bulky wall PSU or USB 5v cables are required.

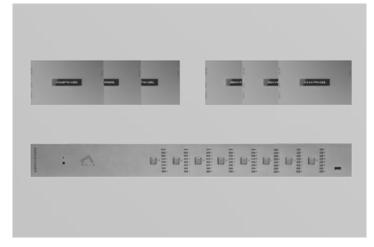




Control & Integration Supports discrete backwards IR from every zone and point-

to-point forwards IR to the three/six long-range zones. The package includes all transmitter and receiver dongles required to enable full control over all matrix-connected HDMI sources and all screens.

Control of the matrix routing can be performed via 2-way RS232, TCP/IP, IR or the front panel source toggle buttons. Ready-made drivers are available for all major control systems free of charge. The 'AVR IR' port is for integrating IR control for AVRs in addition to the source devices.



Design

Compact form factors made for both the hub and receivers, made of lightweight aluminium.

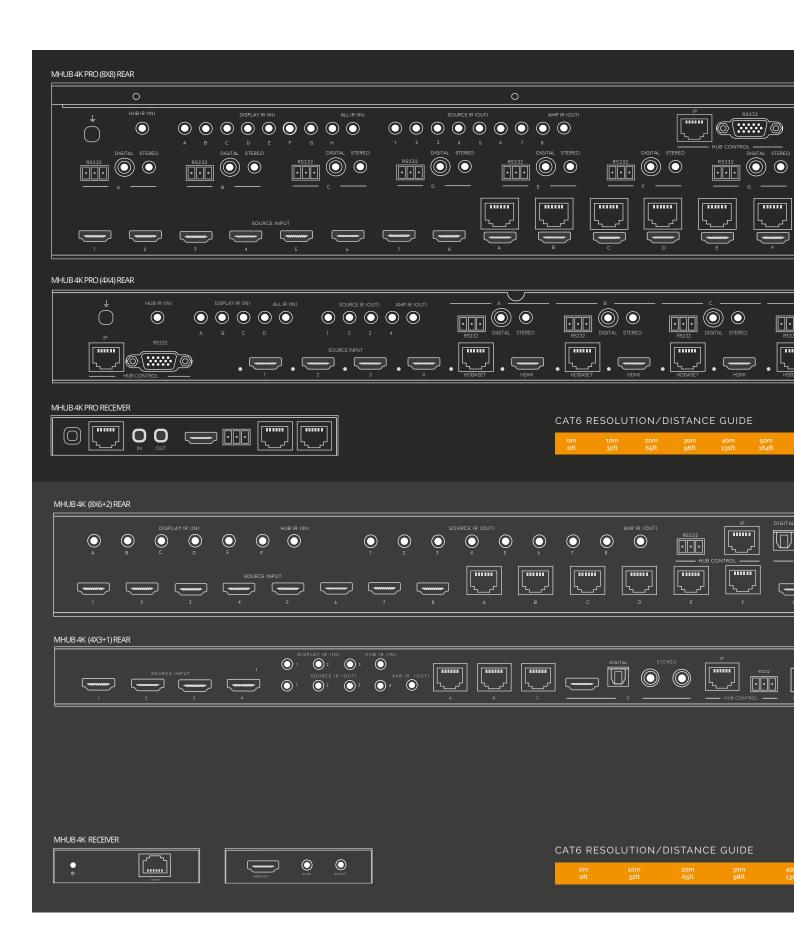
Audio extraction connectivity

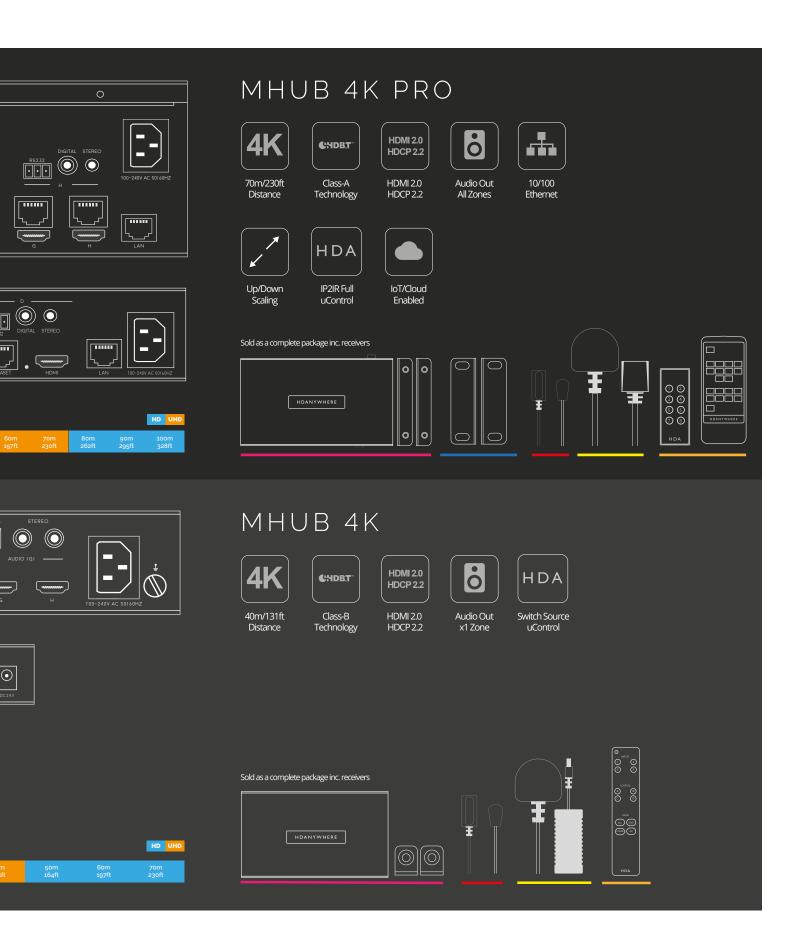
Stereo and digital audio breakout is available for a single local zone output via phono for stereo (L&R ch. only / not downmix) or optical SPDIF for surround sound formats.

3-year Warranty

A 2-year standard warranty is provided, increased to 3-years once system registered on HDA Cloud.

MHUB CLOSE-UP





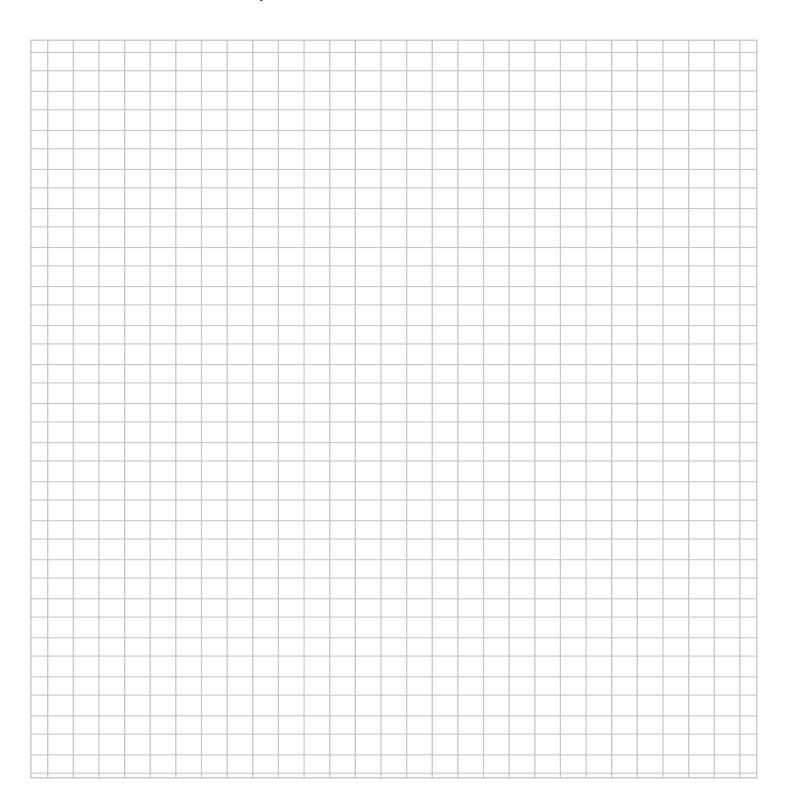
INTRODUCING HDA MAX

MAX is a series of Ultra HD Premium[™] compatible matrices and extenders that support full-fat 4K60 8bit 4:4:4 or 4K60 10bit 4:2:0 (HDR10) and the associated 18Gbps data-rates of HDMI 2.0 spec, even over a single Cat6 cable for the most 'Premium TV' experience possible.



PLAN YOUR SYSTEM

Feeling inspired? Draw your installation plans and diagrams here. If you need additional assistance, contact support@hdanywhere.com for helpful system advice. For detailed specifications, documents and software, visit HDanywhere.com.



MHUB AUDIO MATRIX AMPLIFIER

MHUB AUDIO is our first-ever matrix amplifier delivering impactful whole-home audio that integrates seamlessly into a unified HDANYWHERE system topology. A fusion of the best in analogue and digital audio technology in a hybrid device that offers audio routing, lip-sync delay and high quality sound amplification.

The perfect companion

Designed for use with MHUB 4K PRO multiroom AV systems, four analogue inputs connect directly to the zone outputs, each featuring an adjustable lip-sync delay. MHUB's onboard software, DASH, can then detect and sync all settings instantly. No setup required.

Digital and analogue sound Incorporating four stereo 50 watt amplifiers, each with controllable-volume, input level adjustments, standby, twoband HF and LP EQ. Utilising high-efficiency SM power supplies for the digital elements, whilst the critical analogue audio paths use linear regulation to provide very low noise with a great dynamic range.

Not just for TV audio

Two additional digital optical or COAX inputs are available accepting S/PDIF signals for the easy connection of other audio and music sources, such as a Sonos Connect, Google Cast, LODE LA1, Denon HEOS etc.

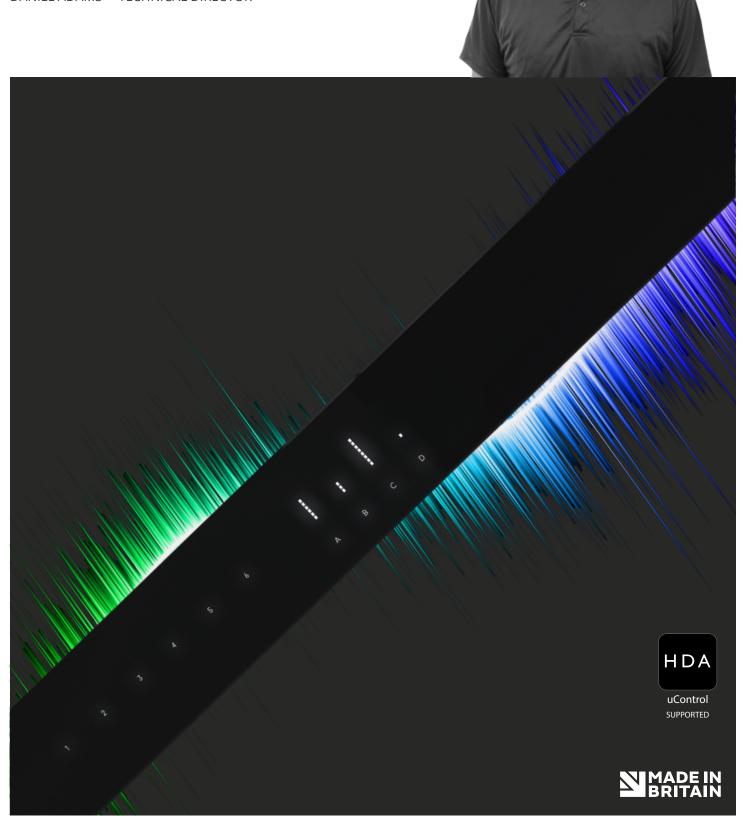
Control

Control can occur via either the IR link, serial commands or via IP. It can be used 'straight out of the box' with MHUB 4K PRO following its source commands via a loop-through IR link. MHUB AUDIO is also automatically recognised by the uControl app for simple control and configuration with mobile devices.

STEREO LINE INPUTS	Connections	3.5mm Stereo Jack
	Frequency response	10Hz to 22KHz +/- 1dB
	Distortion	<0.1%
	Sensitivity	0.2V (-12dBu) to 1.95V (+8 dBu)
	Input gain range	20dB, software adjustable
	Input impendence	47ohms (unbalanced)
	Headroom	>12dB
	Noise	<-90dB
	Lip-sync delay	0 – 170ms
DIGITAL INPUTS	Connections	RCA (Coaxial DTS / Dolby Digital / 2 channel LPCM)
		Toslink (Optical DTS / Dolby Digital / 2 channel LPCM)
		EXT (Cat 5 for use with HDC input extender)
	Sample rates	32 to 192Ks/s
	Word length	16/20/24bit max
AMPLIFIERS	Output power	55 watts RMS into 4 ohms per channel
	Power efficiency	88% at rated output
	Frequency response	10Hz to 22KHz +/- 1d
	THD and noise	<0.2% at rated output

"We want to offer installers a total video, audio and amplification solution under the HDANYWHERE brand that is simple to spec and even simpler to install. With MHUB AUDIO, installers can effectively eliminate the time spent searching for an audio matrix and amplifier and you don't need to worry about whether these products will play nice together. We're creating a total audiovisual distribution system that makes life substantially easier for installers."

DANIEL ADAMS TECHNICAL DIRECTOR



MHUB COMPARISON TABLE

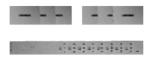




MHUB 2K (1x4)

MHUB 4K (4x3+1)

PRODUCT CODE	MHUB2K14	MHUB4K431
PACKAGE SKU	UK: 2.50.743 EU: 2.50.744 US: 2.50.745 AU: 2.50.746	UK: 2.50.712 EU: 2.50.725 US: 2.50.727 AU: 2.50.739
FORM-FACTOR	Compact Aluminium Case	Compact Aluminium Case with push button
TRANSMISSION METHOD	HDMl over CAT X	HDMl over HDBaseT Lite (Class-B)
INPUTS/OUTPUTS/MIRROR	x1 HDMI/x4 CATX/x1HDMI	x4 HDMI/x3 HDBaseT Lite x1 HDMI/0
MAXIMUM PICTURE OUTPUT	Full HD 1080P/60	4K/60 8bit 4:2:0 4K /24 10bit 4:2:0 HDR
ACHIEVABLE DISTANCE.	(1080p 30m/98ft)	(4K 40m/130ft) (1080p 70m/230ft)
HDMI/HDCP VERSION	1.4 <i>/</i> 1.4	2.0a* / 2.2
EDID MANAGEMENT	v	•
AUDIO SUPPORT	All formats up to and including Dolby Atmos and DTS:X	All formats up to and including Dolby Atmos and DTS:X
AUDIO EXTRACTION (DIGITAL)	х	✓ Hub Output 4 only
AUDIO EXTRACTION (ANALOGUE)	х	✓ Hub Output 4 only
10/100 ETHERNET	Х	X
IOT/HDA CLOUD ENABLED	Х	X
CONTROL (HUB)	N/A	Hub, IR, IP, RS232, App
IP2IR™ + UCONTROL	х	Switching Only
PSU (HUB/RECEIVER)	12V DC External /POE	24V DC External /POE
WARRANTY	2 years	2 years + 1 (HDA Cloud registration)
*HDMI 2.0a timing currently supported 4K /24 36-bit 4:2:0 HDR ** Distances based of	on Cat6 UTP	









MHUB 4K (8x6+2)

MHUB 4K MAX (4x4) MHUB 4K PRO (4x4)

MHUB4K862	MHUB4K44MAX	MHUB4K44PRO	MHUB4K88PRO
UK: 2.50.713	UK: 2.50.747	UK: 2.50.729	UK: 2.50.730
EU: 2.50.726 US: 2.50.728	EU: 2.50.748 US: 2.50.749	EU: 2.50.731 US: 2.50.733	EU: 2.50.732 US: 2.50.734
AU: 2.50.740	AU: 2.50.750	AU: 2.50.741	AU: 2.50.742
1U Aluminium with push button			2U Aluminium backlit touchpanel
mai pasii sattori	backine coderiparier	backlit touchpanel	bacinic todersparies
HDMl over HDBaseT Lite (Class-B)	HDMI 2.0 18Gbps	HDMI over HDBaseT Pro (Class-A)	HDMI over HDBaseT Pro (Class-A)
x8 HDMI/x6 HDBaseT Lite x2 HDMI/0	x4 HDMI/x4 HDMI/0	x4 HDMl/x4 HDBaseT Pro/x4 HDMl	x8 HDMI/x8 HDBaseT Pro/x8 HDMI
4K/60 8bit 4:2:0 4K /24 10bit 4:2:0 HDR	4K/60 8bit 4:4:4 4K60 10bit 4:2:0 (HDR10)	4K/60 8bit 4:2:0 4K /24 10bit 4:2:0 HDR	4K/60 8bit 4:2:0 4K /24 10bit 4:2:0 HDR
4K724 TODIC 4.2.0 TIDA	4000 10011 4.2.0 (110010)	4K724 TODIC 4.2.0 FIDA	4K724 TOUR 4.2.0 HDK
(4K 40m/130ft) (1080p 70m/230ft)	Cable Dependent	(4K 70m/230ft) (1080p 100m/492ft)	(4K 70m/230ft) (1080p 100m/492ft)
2.0a* / 2.2	2.0a* / 2.2	2.0a* / 2.2	2.0a* / 2.2
2.00 / 2.2	2.0a / 2.2	2.00 / 2.2	2.Ua / 2.2
∠	Z.0a / Z.Z	Z.00 / Z.Z	∠.ua / 2.2 ✓
V			
✓ All formats up to and including Dolby	✓ All formats up to and including Dolby	✓ All formats up to and including Dolby	All formats up to and including Dolby
✔ All formats up to and including Dolby Atmos and DTS:X	✓ All formats up to and including Dolby Atmos and DTS:X	✔ All formats up to and including Dolby Atmos and DTS:X	All formats up to and including Dolby Atmos and DTS:X
All formats up to and including Dolby Atmos and DTS:X Hub Output 7 only	All formats up to and including Dolby Atmos and DTS:X • Hub Outputs 1-4	✓ All formats up to and including Dolby Atmos and DTS:X ✓ Hub Outputs 1-4	✓ All formats up to and including Dolby Atmos and DTS:X ✓ Hub Outputs 1-8
All formats up to and including Dolby Atmos and DTS:X Hub Output 7 only Hub Output 7 only	All formats up to and including Dolby Atmos and DTS:X Hub Outputs 1-4 Hub Outputs 1-4	 ✓ All formats up to and including Dolby Atmos and DTS:X ✓ Hub Outputs 1-4 ✓ Hub Outputs 1-4 	All formats up to and including Dolby Atmos and DTS:X Hub Outputs 1-8 Hub Outputs 1-8
All formats up to and including Dolby Atmos and DTS:X Hub Output 7 only Hub Output 7 only X	All formats up to and including Dolby Atmos and DTS:X Hub Outputs 1-4 Hub Outputs 1-4 X	All formats up to and including Dolby Atmos and DTS:X Hub Outputs 1-4 Hub Outputs 1-4	All formats up to and including Dolby Atmos and DTS:X Hub Outputs 1-8 Hub Outputs 1-8
All formats up to and including Dolby Atmos and DTS:X Hub Output 7 only Hub Output 7 only X X	All formats up to and including Dolby Atmos and DTS:X Hub Outputs 1-4 Hub Outputs 1-4 X	All formats up to and including Dolby Atmos and DTS:X Hub Outputs 1-4 Hub Outputs 1-4	All formats up to and including Dolby Atmos and DTS:X Hub Outputs 1-8 Hub Outputs 1-8
All formats up to and including Dolby Atmos and DTS:X Hub Output 7 only Hub Output 7 only X X Hub, IR, IP, RS232, App	All formats up to and including Dolby Atmos and DTS:X Hub Outputs 1-4 X Hub Outputs 1-4 X Hub, IR, IP, RS232, App	All formats up to and including Dolby Atmos and DTS:X Hub Outputs 1-4 Hub Outputs 1-4 Hub, IR, IP, RS232, App	All formats up to and including Dolby Atmos and DTS:X Hub Outputs 1-8 Hub Outputs 1-8 Hub, IR, IP, RS232, App











play. Uses single-wire technology and supports TX>RX
PoE, as well as backwards IR for control of the extended
source device.

XTND HDMI EXTENDERS

XTND is a range of lightweight aluminium HDMI extenders are divided into two subcategories; 2K (FHD 1080p) and 4K (UHD 2160p)

1. XTND 2K (30)

Extends a 1080p HDMI signal up to 30m over Cat6 cable, with local HDMI out for distribution to a second nearby dis-

2. XTND 2K (40)

Delivers a 1080p HDMI signal up to 40m over Cat6 cable, with local HDMI out for distribution to a second nearby display. Supports two-way IR and requires 5V power supplies for both the TX and RX. The display receiver can alternatively be powered by an optional USB to 5V power lead, providing TV model supports this functionality. ARC is available on the receiver for integration with in-room AVRs and soundbars.

3. XTND 4K (40)

A HDBaseT Class-B HDMI extender that delivers 4K60 8bit











4:2:0 (SDR) and 4K24/30 10bit 4:2:2 (HDR) up to 40m and 1080p up to 70m over a single Cat6 cable, with HDR support, HDCP 2.2, two-way IR and bi-directional PoE that allows choice of either the transmitter or receiver to be PSU powered.

4. XTND 4K (100)

A HDBaseT 2.0 Class-C HDMI extender with long-range mode, two-way IR and ARC on the transmitter for audio extraction to rack-based AVRs. Sends 4K60 8bit 4:2:0 (SDR) and 4K24/30 10bit 4:2:2 (HDR) up to 100m and 1080p up to 150m over a single Cat6 cable. Audio extraction is also achieved via digi coax. Bidirectional PoE enables you to power the receiver from the transmitter or vice versa, and two-way stereo audio is also supported.

XTND 4K MAX (100) 18Gbps over HDBaseT with TPC

For the first time Tipping Point Compression (TPC) is utilised to enable transmission of HDMI 2.0 'Max 4K' 18Gbps 4K60 8bit 4:4:4 or 4K60 10bit 4:2:0 (HDR10) content down HDBaseT's constricted 10.2G pipe using very-light compression, meaning there is no human-perceivable difference in video quality whilst TPC is active. Groundbreaking because the compression algorithm only becomes active when the input signal data rate tips over the 10.2G threshold (which in reality, isn't very often) - hence 'tipping point'.

XTND COMPARISON TABLE





XTND 2K (30)

XTND 2K (40)

PRODUCT CODE	XTND2K30	XTND2K40
PACKAGE SKU	UK: 2.50.708 EU: 2.50.717 US: 2.50.721 AU: 2.50.735	UK: 2.50.716 EU: 2.50.718 US: 2.50.722 AU: 2.50.736
TRANSMISSION METHOD	HDMI over CAT X	HDMI over CAT X
INPUTS/OUTPUTS/MIRROR	1//1/1	1//1/1
MAXIMUM PICTURE OUTPUT	Full HD 1080P/60	Full HD 1080P/60
ACHIEVABLE DISTANCE"	(1080p 30m/98ft)	(1080p 40m/130ft)
HDMI/HDCP VERSION	1.4/1.4	1.4 /1.4
EDID MANAGEMENT	•	v
AUDIO SUPPORT	All formats up to and including Dolby Atmos and DTS:X	All formats up to and including Dolb Atmos and DTS:X
ARC	x	V
(DIGITAL)	x	✓ on RX
(ANALOGUE)	X	X
10/100 ETHERNET	X	X
SOURCE/DISPLAY IR	YES/NO	YES/YES
PSU	PoE 5V on TX	5V on TX & RX
WARRANTY	2 years	2 years
*HDMI 2.0a timing currently supported 4K /24 36-bit 4:2:0 H	HDR ** Distances based on Cat6 UTP	







XTND 4K (40)

XTND 4K (100) XTND 4K MAX (100)

XTND4K40	XTND4K100	XTND4KMAX100
UK: 2.50.709 EU: 2.50.719 US: 2.50.723 AU: 2.50.737	UK: 2.50.710 EU: 2.50.720 US: 2.50.724 AU: 2.50.738	2.50.751 UK, EU, US, AU
HDMl over HDBaseT Lite (Class-B)	HDMI over HDBaseT Pro (Class-C)	HDMI over HDBaseT Pro (Class-C) w. TPC™
1//1/0	1//1/0	1/1/0
4K/60 8bit 4:2:0 4K /24 10bit 4:2:0 HDR	4K/60 8bit 4:2:0 4K /24 10bit 4:2:0 HDR	4K/60 8bit 4:4:4 4K60 10bit 4:2:0 (HDR10)
(4K 40m/130ft) (1080p 70m/230ft)	(4K 100m/328ft) (1080p 150m/492ft)	(4K 100m/328ft) (1080p 150m/492ft)
2.0a* / 2.2	2.0a* / 2.2	2.0a*/2.2
V	•	•
All formats up to and including Dolby Atmos and DTS:X	All formats up to and including Dolby Atmos and DTS:X	All formats up to and including Dolby Atmos and DTS:X
X	•	✓ Bi-Directional
X	V	V
X	•	V
X	•	✓
YES/YES	YES/YES	YES/YES
PoE 24V Bi-Directional	PoE 24V Bi-Directional	PoE 24V Bi-Directional Multi-territory PSU
2 years	2 years	2 years







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