Seamless **Entertainment** Discreet **Technology**

MHUB PRO
V&A BUNDLES

MHUB PRO + AUDIO

Lip Sync

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

MHUB Link

Multiroom music

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

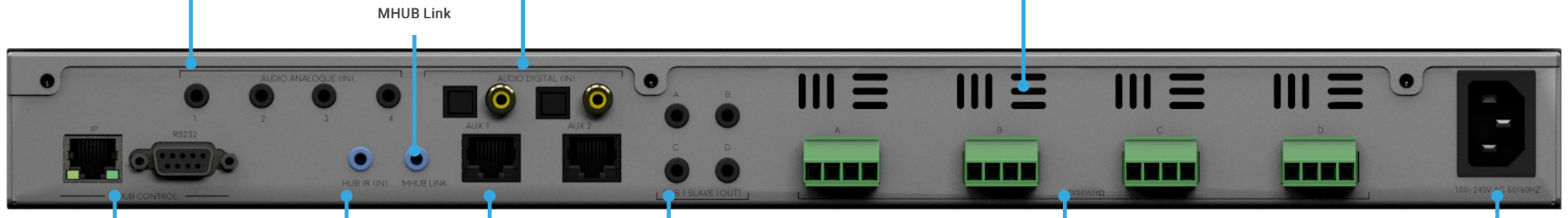## Room EQ wizard

Room EQ *Parametric EQ*

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

MHUB Control

MHUB IR (IN)

REMOTE Audio (IN) ARC

IEC Power

Sub/slave outputs for .1 systems

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

Create 16 zones of amplified audio

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

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

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

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

David Tyas - MHUB AUDIO ELECTRONICS ENGINEER

David is a Fellow (someone of technical eminence) 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.

MADE IN BRITAIN
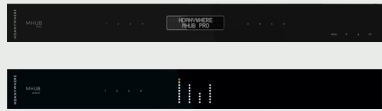
MHUB PRO (4x4) V&A Bundle

Page 7

MHUB PRO (8x8) V&A Bundle

Page 8

Control

Unified Audio Control.

Toggle between audio devices connected to your MHUB and instantly control your TV, AVR or MHUB AUDIO volume.
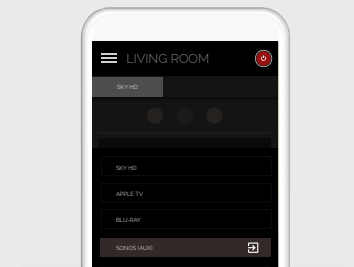
Music or TV? Your choice.

MHUB's centralise all your AV devices and make it easy to access your media whenever and wherever you want it.
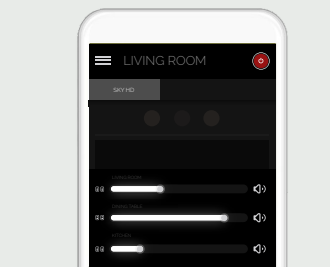
"These go to eleven".

Fill your home with high-quality immersive audio by grouping audio from multiple zones on-the-fly.

App or voice[*]: both are the same

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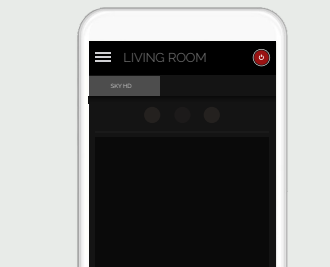
App control

uControl can control the media sources and displays connected to any MHUB via IR and IP over WiFi, with a mobile device instead of multiple remotes.

uControl offers all the control needed for most AV scenarios in every room of the whole-home system. There is no need for a separate controller; it is integrated within the matrix itself.

*Country depending

Setup & control in minutes

SELECT PRIMARY CONTROLLER

HDANYWHERE

Seamless **Entertainment** Discreet **Technology**

SETUP A NEW MHUB SYSTEM

CONNECT TO AN EXISTING MHUB SYSTEM

SETUP HELP

✔ MHUB PRO (4X4) 192.168.1.156

MHUB PRO (4X4) 192.168.1.156

MHUB PRO (8X8) 192.168.1.156

CONNECTION OPTIONS

Video + audio distribution

CREATE STACKED MHUB SYSTEM

SELECT SECONDARY DEVICES

✔ CONNECT TO MHUB AT 192.168.1.156

✔ CONNECT TO MHUB AT 192.168.1.156

✔ CONNECT TO MHUB AT 192.168.1.156

NEXT

SETUP COMPLETE

ACCESS UCONTROL

A guided first boot process.

uControl uses everyday language to guide you through the setup process. You will need to download uControl to setup your MHUB system.
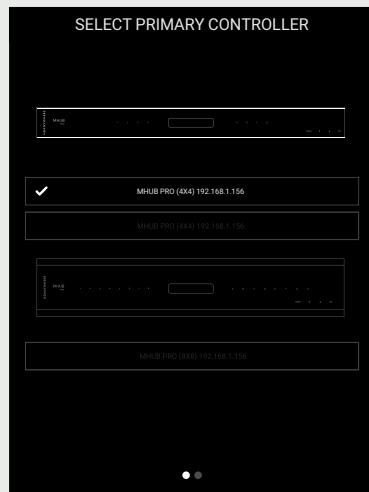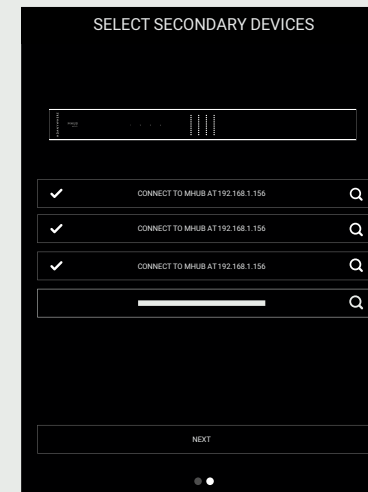
Sophisticated hardware detection.

All MHUB devices are detectable using Apple's Bonjour network discovery protocol. uControl will find and instantly connect to all MHUB devices that it finds.
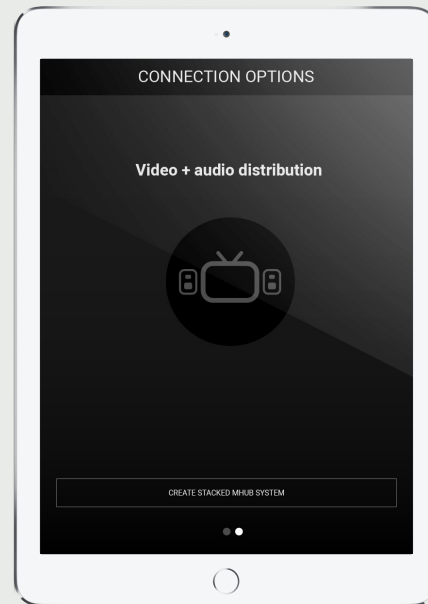
Intelligent defaults.

uControl will intelligently determine what it is that you want to do based on the network search result.

We look after all the complex logic.

MHUB will support up to three stacked MHUB AUDIO systems plus an additional master device to control them all. Complex routing, voice control and cloud management is all taken care for you.
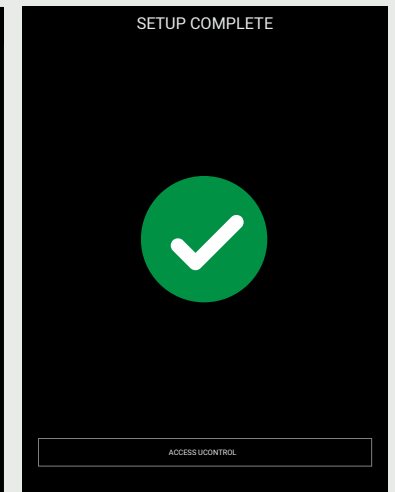
Setup really takes minutes.

All the examples in this document require no control system. uControl will give you control access over all your displays, speakers, AVRs, the MHUB itself plus all the sources connected to it!

MULTIZONE

VIDEO & AUDIO

Multizone Video & Audio Setup

A total entertainment solution

Pixelicious Ultra HD 4K video accompanied with impactful sound throughout the whole-home or venue. Route 4 video sources to up to 8 displays or projectors, with audio from up to 16 speakers and 4 booming subs from just 2U of hardware.

Total control as standard

Complete control over what source and channel is being viewed where, plus zone volume and even the ability to turn everything on and off at the start or end of the shift can all be achieved quickly and simply from the uControl app on a phone or tablet.

1 x HDANYWHERE MHUB PRO 4x4 / 8x8 VIDEO MATRIX

1 x HDANYWHERE MHUB AUDIO MATRIX AMP

8 x in-ceiling/in-wall speakers
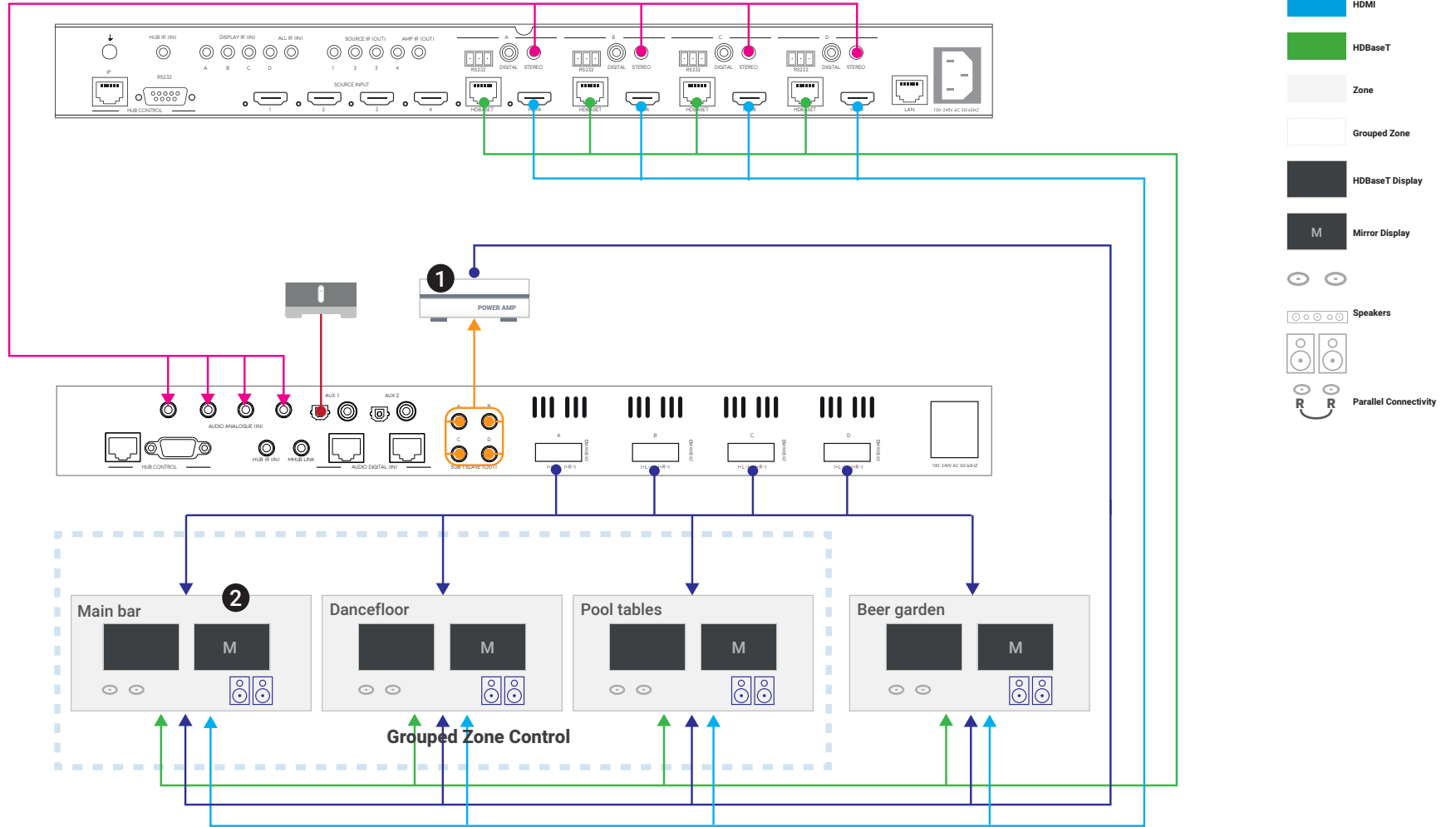

8 x Speakers

4 x Subwoofers

Multizone Video & Audio Setup Bar / Hospitality / Commercial

1 Power Amp

If there isn't enough power from MHUB AUDIO to fill the zone with sound then there is always the option to add a power amp using the "sub/slave" port(s).

2 Mirror Display

Do you need a 8x8 system or can you get away with just a 4x4? All MHUB PRO systems support HDMI mirrors meaning that you can send picture to four additional displays.

Legend:
- Stereo (3.5mm)
- Sub-slave (3.5mm)
- Optical
- Speaker
- HDMI
- HDBaseT
- Zone
- Grouped Zone
- HDBaseT Display
- M Mirror Display
- Speakers
- R R Parallel Connectivity

POWER AMP

Main bar | Dancefloor | Pool tables | Beer garden

Grouped Zone Control

Multizone Video & Audio Setup Residential Large or Small

Legend

- Stereo (3.5mm)
- Sub-slave (3.5mm)
- Optical
- Speaker
- HDMI
- HDBaseT
- Zone
- Grouped Zone
- HDBaseT Display
- M Mirror Display
- Speakers
- R R Parallel Connectivity
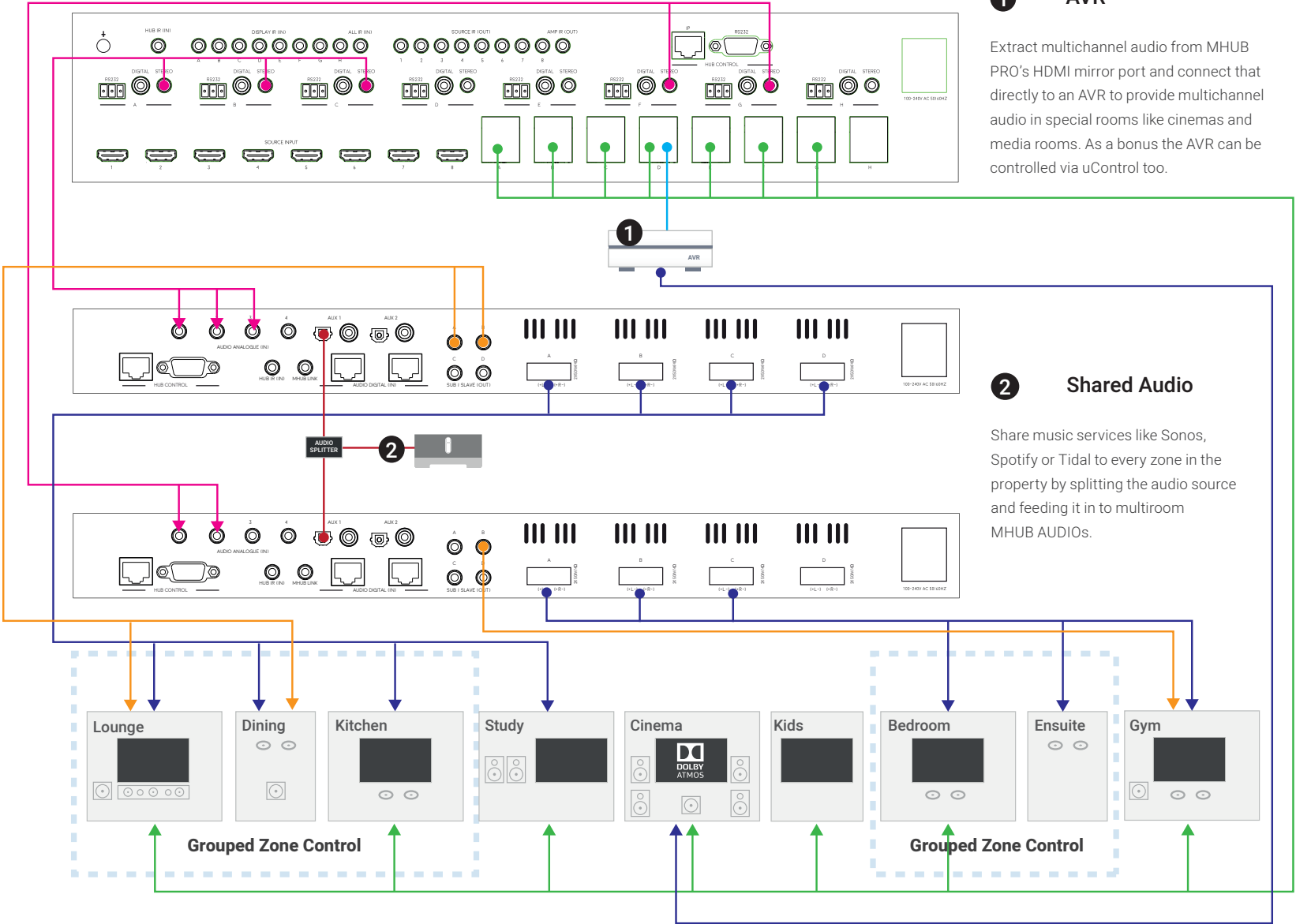
1 AVR

Extract multichannel audio from MHUB PRO's HDMI mirror port and connect that directly to an AVR to provide multichannel audio in special rooms like cinemas and media rooms. As a bonus the AVR can be controlled via uControl too.
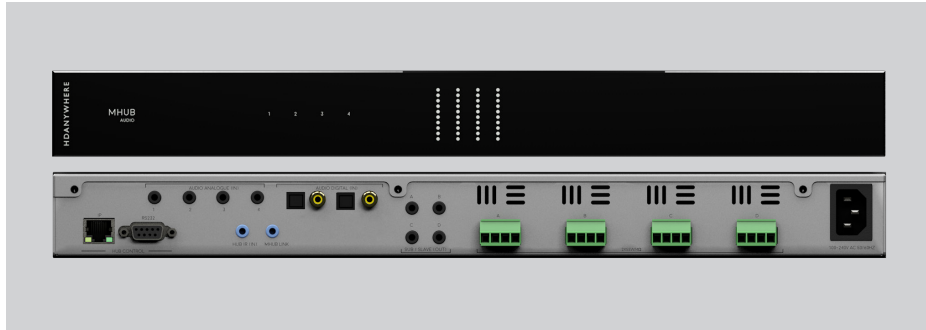
2 Shared Audio

Share music services like Sonos, Spotify or Tidal to every zone in the property by splitting the audio source and feeding it in to multiroom MHUB AUDIOs.

Lounge Dining Kitchen Study Cinema Kids Bedroom Ensuite Gym

Grouped Zone Control   **Grouped Zone Control**

MHUB AUDIO (6x4)

Product code: MHUBAUDIO64

MHUB AUDIO is a 6x4 matrix-amp with DSP EQ, dedicated sub outs and integrated 110 watt amplifiers. Designed and built in Worcestershire, HDA's first endeavour into the world of multiroom audio and high quality sound. Designed to be an easy and seamless companion to any MHUB PRO HDMI distribution system, and which integrates automatically within 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
Guarantee	3/4-year guarantee (Cloud registration required)

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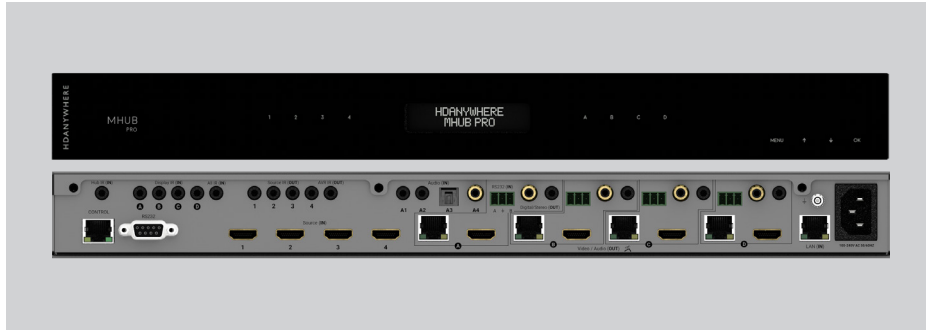
Designed to address the needs of a contemporary AV install, MHUB PRO 2.0 is fully HDMI 2.0 compatible, equipped with 18G HDMI interfaces and backplane to support Ultra HD 4K/60 (4:4:4) with HDBaseT 2.0 technology to transmit 4K to displays up to 40 metres away over a single Cat6 cable with no latency.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

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 (8x8)

Product code: MHUBPRO288100
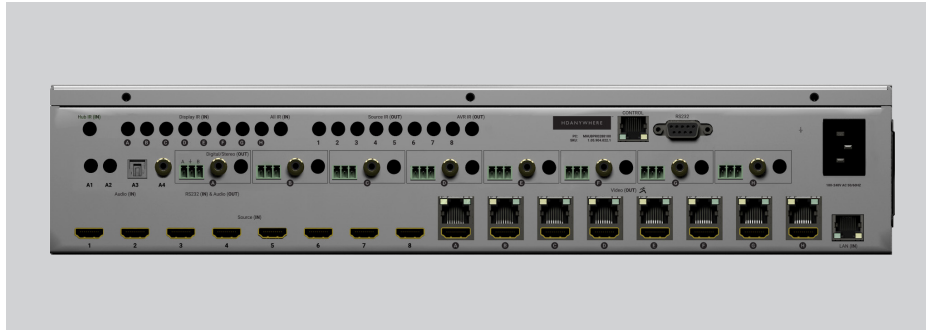
Designed to address the needs of a contemporary AV install, MHUB PRO 2.0 is fully HDMI 2.0 compatible, equipped with 18G HDMI interfaces and backplane to support Ultra HD 4K/60 (4:4:4) with HDBaseT 2.0 technology to transmit 4K to displays up to 100 metres away over a single Cat6 cable with no latency. 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.