

MHUB S (16+16x16) 100A/100ADM

A stackable HDBaseT™ matrix that's easier to install & cheaper to deploy than AV over IP. Featuring volume-controllable audio outputs and powerful uControl™ inside.



PRODUCT CODE(S):

2.50.926 with Dolby Audio **2.50.909** Standard

EVERYTHING INCLUDED

Sold as a full kit (chassis, x16 display receivers, IR, mounting kits)

INPUTS / INPUT MIRRORS / OUTPUTS / OUTPUT MIRRORS

16 / 16 / 16 / 4

DISTANCE

100m / 394ft (4K) | **150m / 492ft** (1080p)

Supports up to 160 displays (x10 stacked)

4K > 1080p downscaling all outputs

Downmixing*

Match source or follow output audio modes

Volume controllable audio outputs

5 year warranty**

MHUB S is a unique AV matrix for managing media, music and mood, in umpteen zones.

With no need for networking knowledge or equipment, MHUB S is easy to install, and more cost effective than AV over IP in both hardware cost and installation experience with better video quality.

MHUB S can be a single-brand solution that's quickly installed and manageable remotely via the cloud, now with the significant benefit of also including bolt-on uControl smart remotes for luxury residential and light commercial projects.

Control System Drivers

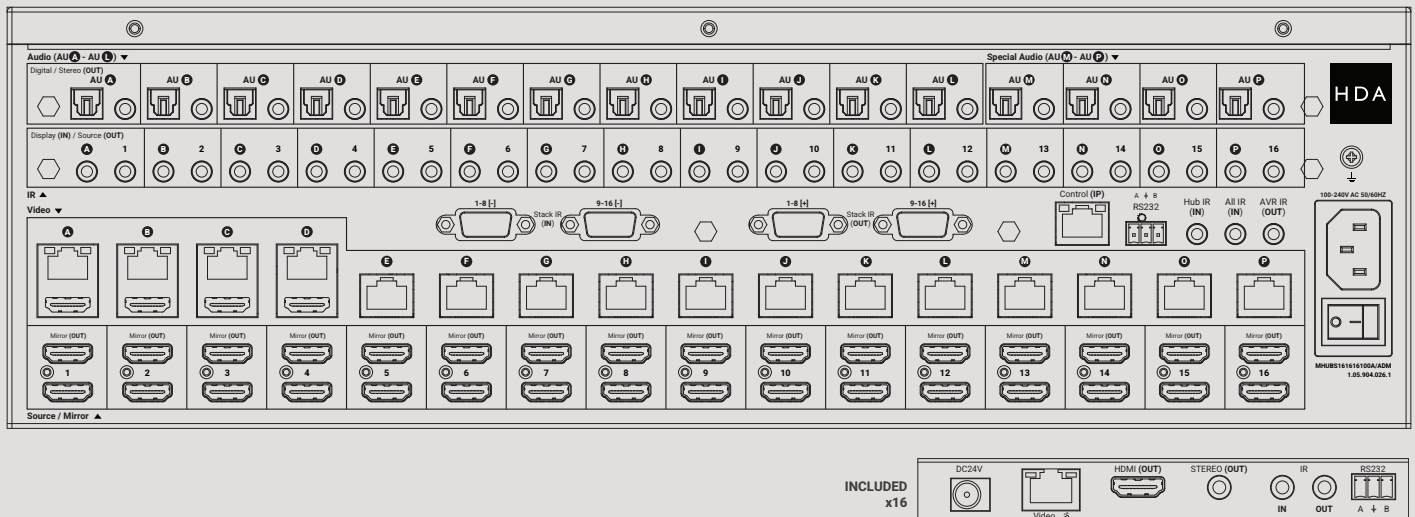


uControl works with popular smart home brands + many more



*Special Audio Model
MHUB S (16+16x16) 100ADM
MHUBS161616100ADM
2.50.926

Standard Model
MHUB S (16+16x16) 100A
MHUBS161616100A
2.50.909



Form

Chassis W/H/D (mm)	440/132/398
Display receiver W/H/D (mm)	140/65/18
Weight (g)	Chassis: 6300 Receiver: 187
Material	Chassis: Steel + Aluminium Receiver: Aluminium
Colour	Carbonite (grey)
Operating temp	0°C - 40°C / 32°F - 104°F
Storage temp	-20°C - 60°C / -4°F - 140°F
Relative humidity	20 - 90% (Non-condensing)

AV Input/Output

Video inputs	16 HDMI
Video input mirrors	16 HDMI (stacking ports)
Video outputs	16 HDBaseT
Video output mirrors	4 HDMI (AVRs/expansion)
Audio outputs	16 Optical + Stereo

Other

CEC control	Display
IR cascade	(max. x4 MHUB S)
Warranty	2 (+3) years**

Technical

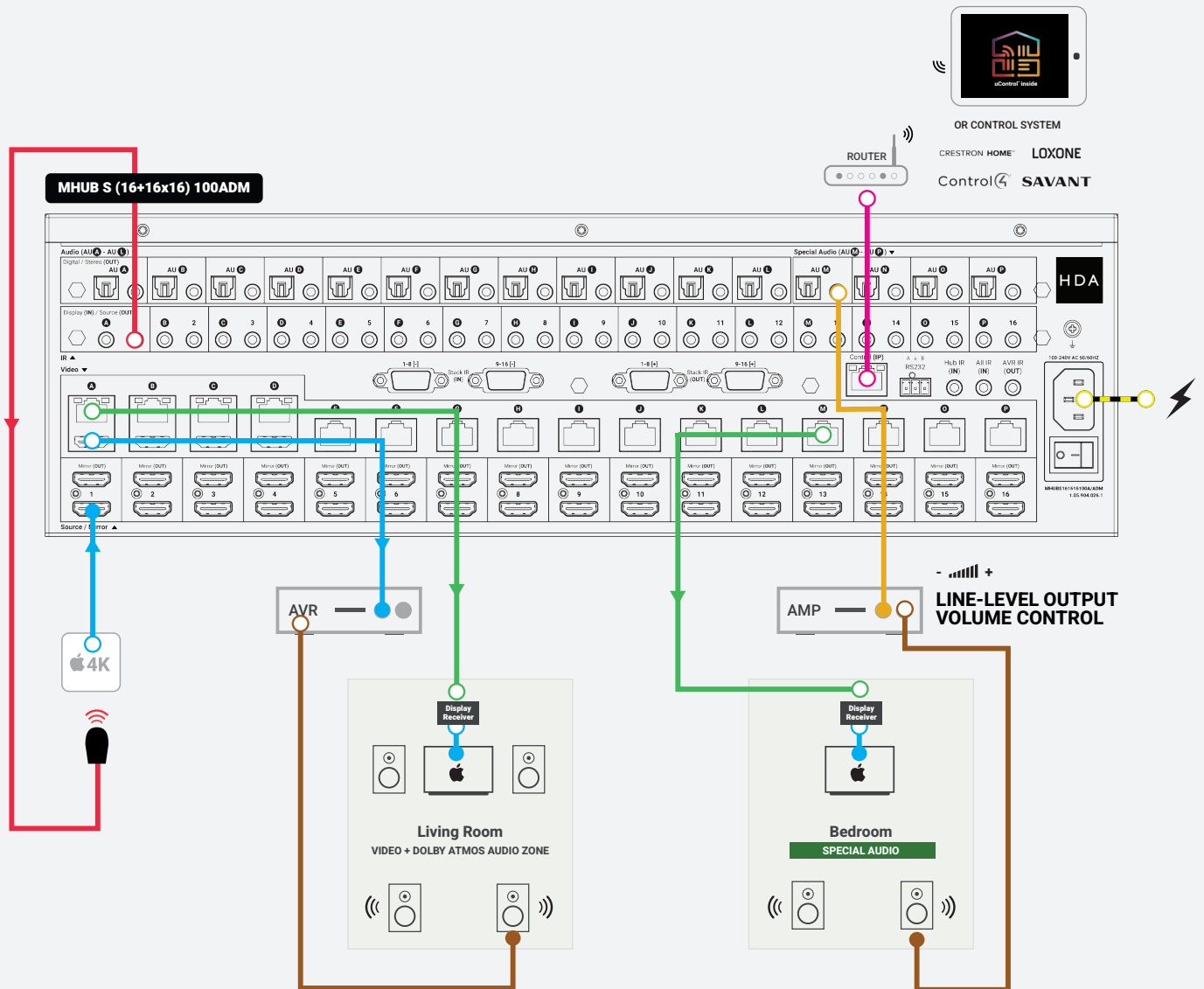
HDMI	2.0b
HDCP	2.3, 1.4
Video bandwidth	18Gbps
Transmission distance	1080p: 150m/492ft 4K: 100m/394ft
Colour space	RGB, YCbCr 4:4:4/4:2:2/4:2:0, YUV 4:4:4
Colour depth	8-bit, 10-bit, 12-bit (1080p@60Hz) 8-bit (4K@60Hz YUV 4:4:4) 10-bit, 12-bit (4K@60Hz YCbCr 4:2:2/4:2:0)
Supported resolutions	Up to 4K@60Hz (4:4:4) with HDR
HDR formats	HDR10, HDR10+, Dolby Vision*, HLG
HDMI audio (input)	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby True HD, Dolby Digital Plus (DD+), Dolby Atmos, DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X
Audio (output)	HDBaseT/HDMI: LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby True HD, Dolby Digital Plus (DD+), Dolby Atmos, DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X Optical: Up to 5.1 PCM, Dolby/DTS 5.1 Stereo: Unbalanced 2ch, Max output level 2VRMS
Output gain (1dB steps)	-12dB — +12dB
Max output level	-55dB — 0dB
Infrared	20Khz - 60Khz

*Only Dolby Vision Low Latency Mode is supported at 60Hz over Video TPC output.

** Standard warranty is 2 years. Extend warranty by an additional 3 years if device is registered on HDA Cloud within 30 days of purchase.

Wiring example.

- HDMI Cable
- Ethernet Cable
- Cat 6 / HDBaseT
- IR RX/TX Cable
- Speaker Cable
- Power
- 3.5mm Stereo Cable



Stacking x2 MHUB S together to create a 16x32 zone system

- HDMI Cable
- Cat 6 / HDBaseT
- IR RX/TX Cable

