

HMD1.0A HMD1.2A

The new HMD Series combines the power of a magnetic loop amplifier delivering up to 4.2 Arms with the flexibility of Auracast™ wireless broadcasting technologies.

Available in integrated or upgradeable versions (optional Auracast™ module), this series meets the needs of modern installations, combining universal accessibility and next-generation connectivity.

The product can cover rooms up to 150m² depending on the configuration.



HMD1.0 – HMD1.0A



HMD1.2 – HMD1.2A

Power supply

Voltage	24V DC
Current	3A
Type	External power supply

INPUTS

Line input 1	Balanced or unbalanced line
Input 2	Line, 70 V, 100 V, or high-voltage audio
Phantom Mic 1 Power supply	12V (activated via Dipswitch)

AURACAST™ OUTPUT

Auracast™	Not integrated into HMD1.0 & HMD1.2 / integrated into HMD1.0A and HMD1.2A
Auracast™ connector	Connector on PCBA or 4-point terminal block

LOOP OUTPUT

Number of loop outputs	1 (HMD1.0) 2 (HMD1.2)
Loop connector	2 pts - 3.5 mm pitch Buchanan series
Output signal	Voltage - polarized at Vin/2
Output voltage	48Vpp/4,5Arms max. depending on loop characteristics

AUDIO

Frequency response	100Hz - 6kHz min. (-3dB) depending on loop characteristics
Metallic Loss Compensation (MLC)	Adjustable MLC
Automatic gain control (AGC)	Voice-Optimized peak detection
Integrated signal generator	Pink noise and 1kHz

HMD1.0A – HMD1.2A

SETTINGS AND USER INTERFACE (UI)	
Configuration	Dipswitch
Input and output adjustment	Potentiometer
LED	Power, Auracast™, default, clip, Loop 1 (HMD1.0), Loop 2 (HMD1.2)

INSTALLATION
Mounted on a wall or in a dedicated cabinet, the HMD is quick and easy to install. Connect your audio source to the dedicated input. Refer to the recommendations in the Smartloop loop simulation software for cable section selection and layout and adjust the amplifier to the IEC standard using the OP-FSM field strength meter.

PRODUCT REFERENCES	
HDC20A	The HCD20A is a hybrid driver that integrates a 3Arms loop driver and an Auracast™ transmitter for meters. Supplied with a 24 V power supply.
HDC20	HDC20 is a 3.5Arms loop system for reception counter with possibiyl to connect an Opus Auracast broadcaster (Aura-CA). Supplied with a 24V 3A power supply.
HMD1.0A	1-channel loop amplifier with integrated Auracast™
HMD1.2A	2-channel loop amplifier with integrated Auracast™

HYBRID KITS	
HDC20A-K	
HDC20A-K1	
HDC20A-K2	
HDC20A-WALL	
HMD1.0A-SA	
HMD1.0A-TV	

KITS HMD



HMD1.0-SA (room)

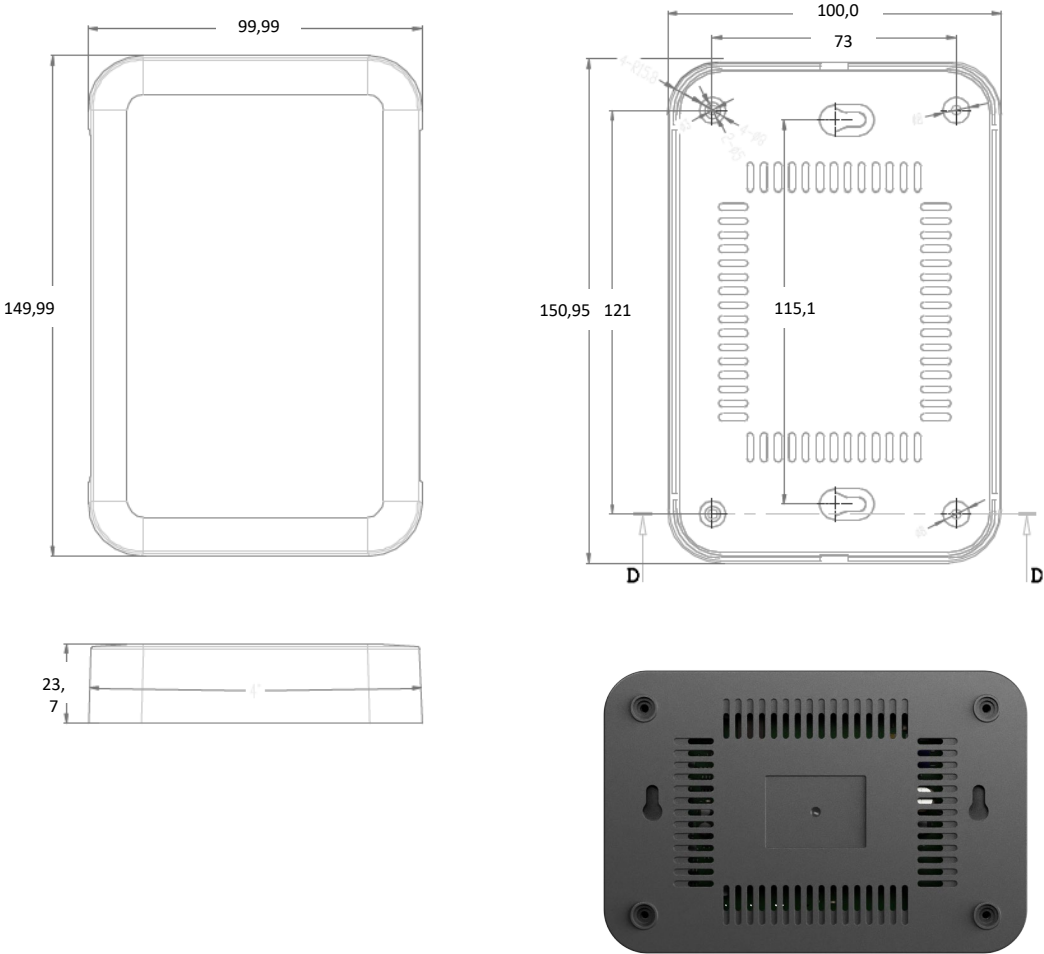
Phoenix connectors
Screwdriver
OP-M (Surface microphone)
RCA cable
OP-IL50
Power supply
IEC Compliant sticker



HMD1.0-TV (television)

Phoenix connectors
Screwdriver
OP-M (Surface microphone)
RCA cable
OP-IL50
Power supply
IEC Compliant sticker
OP-TOS Link

HMD1.0A – HMD1.2A



Complementary products:

AuraSTRX

Auracast receiver with touch screen.



TR-iL

Magnetic necklace to hold the magnetic loop with a 3.5mm plug.



OP-778

Professional headset with 3.5 mm jack. More durable headset offering better sound quality.



AuraCH5

5-slot smart charging station for AuraSTRX with configuration function.



Aura-CA

Compact Auracast transmitter for loops or window intercoms.



OP-FSM-02

Field meter for magnetic loop with OP-778 headset.

