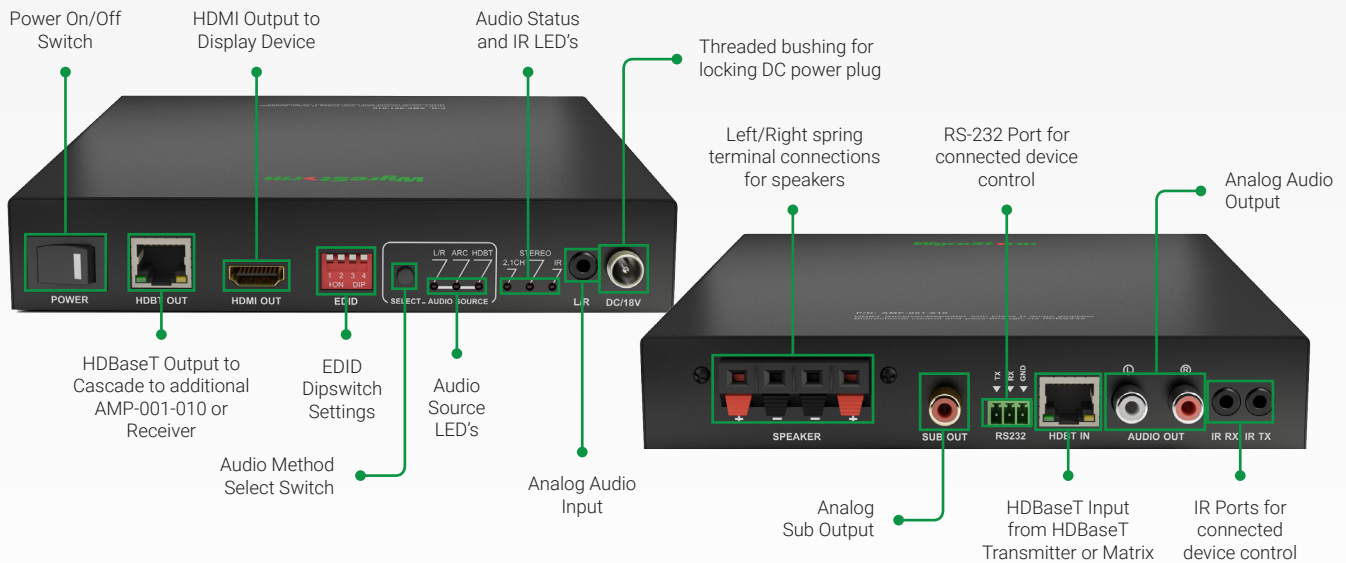# HDBaseT™ Receiver with Integrated 2.1 Audio Amplifier (70m/230ft)

AMP-001-010

WyreStorm

Specification Sheet

Power On/Off Switch

HDMI Output to Display Device

Audio Status and IR LED's

Threaded bushing for locking DC power plug

Left/Right spring terminal connections for speakers

RS-232 Port for connected device control

Analog Audio Output

HDBaseT Output to Cascade to additional AMP-001-010 or Receiver

EDID Dipswitch Settings

Audio Source LED's

Analog Audio Input

Audio Method Select Switch

Analog Sub Output

HDBaseT Input from HDBaseT Transmitter or Matrix

IR Ports for connected device control

ARC HDBT™ HDCP HDMI™ PoH

WyreStorm - Because the Technology Matters.

Introduction

A feature rich and highly versatile product that simplifies, combines and improves the relationship between HDMI, HDBaseT™ and stereo audio for integrators, it incorporates 3:1 audio switching from centralized AV sources, ARC or local audio input, and can be used centrally, in-line or as a display device for one of the most flexible and powerful applications of HDBaseT™ technology to date.

Fully cascadable over multiple 70m/230ft distances up to 7 times using just a single Cat5e/6 cable, it combines HDMI / HDBaseT™ repeating, 2.1 audio amplification with sub-woofer and analogue stereo pre-outs and HD reception with bidirectional control of source/display/Amp via bidirectional IR and RS-232, and so much more...

Key Features

- Combined HDBaseT™ Repeater, Receiver and Class D Amplifier – all-in-one
- HDBaseT™ Input, HDBaseT™ Output
- 3:1 Audio Switcher/Receiver – Audio from Centralized source via HDBaseT™ Transmitter or Matrix Device, Audio Return Channel (ARC) or Local Audio Input via 3.5mm
- AMP used centrally with AV source, In-line close to speakers, wall mounted near data connections or locally at display location
- 70m/230ft transmission between transmitting device and AMP > then another 70m/230ft to next AMP
- Fully cascadable up to 7 times from single transmitting device (Matrix or HDBaseT™ transmitter)
- 2.1 stereo audio at 25w per channel

- HDMI output for direct connection of HD display either in-line to each AMP connected or at the end of the run
- Left/Right spring terminal connections for speakers
- RCA Subwoofer output connection
- Bidirectional control of source and display via IR or addressable RS-232 - commands (Tx, Rx, Gnd) sent with HD Audio & Video along the single Cat5e/6
- Local amp control via Wide-band IR Receiver
- EDID management and pre-sets via DIP switch
- LED indication of audio source selection - HDBaseT™, Local or ARC
- Accessory pack including configuration software, remote, IR receiver
- Compact size for flexible integration location

In the Box

1x AMP-001-010 Digital Amplifier
1x Install Guide
1x 18v DC Power Supply (US | EU | UK)
1x Wide-band IR Emitter

1x Wide-band IR Receiver (30-50KHz)
1x Remote Control Handset
2 x Mountain brackets (recommended)

Specifications

Audio and Video	
Inputs	1x HDBT In: 8-pin RJ-45 female 1x L/R: 3.5mm (1/8in) TRS Stereo
Outputs	1x Audio Out: RCA Female (L/R) 1x Sub Out: RCA Female 1x Speaker: Push Terminal (L/R +/-) 1x HDMI Out: 19-pin type A 1x HDBT Out: 8-pin RJ-45 Female
Audio Formats	2ch PCM	Up to 7.1 DTS Master HD and Dolby True HD

Video Resolutions (Max)	**Resoluton**	**HDMI**	**Cat6**	**Cat6a/7**
	1920x1080p @60Hz 16bit	15m/49ft	70m/230ft	70m/230ft

Maximum Pixel Clock	HDMI: 600mHz	HDBaseT: 297mHz

Communication and Control	
HDMI	HDCP	EDID	DVI/D supported with adapter (not included)
HDBaseT	HDCP	EDID	PoH pass-through	Bidirectional IR and RS-232
IR	1x IR RX: 3.5mm (1/8in) TRS Stereo	1x IR TX: 3.5mm (1/8in) TS Mono	Bidirectional over HDBaseT
RS-232	1x RS-232: 3-pin Phoenix	Bidirectional over HDBaseT

Power	
Power Supply	Input: 100~240V AC 50/60Hz	Output: 18V DC 2A
Max Power Consumption	TX: 2.5W	RX: 45W
PoH	Pass-through from TX to PoH compatible RX

Environmental	
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C)	10% ~ 90%, non-condensing
Storage Temperature	-4°F to ~ 158°F (-20°C ~ +70°C)	10% ~ 90%, non-condensing
Maximum BTU	153.5 BTU/hr

Dimensions and Weight	
Rack Units	<1U
Height	31mm/1.23in
Width	178mm/7.01in
Depth	202mm/7.96in
Weight	1kg/2.2lbs

Regulatory	
Safety and Emission	CE	FCC	RoHS

Right Product for the Right Application.