

## AVG-PEX40MARC-4KH

### HDMI 2.0 ARC Extender over HDBT



This AVönic HDBaseT Extender supports 4K@60Hz 4:4:4 with HDR and is HDCP 2.2 compliant. It delivers 4K/UHD video, audio, power, and IR over a single Cat 6A/7 cable, with a range of up to 40m/131ft. The receiver features a DIP switch for configuring the Audio Output channel, allowing selection between the ARC feed from a TV (with ARC support) or an auxiliary S/PDIF input port. Additionally, it supports bi-directional IR pass-through, enabling control of the display from the transmitter side or control of the source from the receiver side. The unit also offers HDMI audio de-embedding via a Phoenix analog connector. Proprietary two-way PoC technology ensures visual power supply and connection status via LED indicators, providing clear feedback on the power and signal connection between devices.

## Features

- AVon-Link technology simplifies audio & video routing and enhances system flexibility and ease of use.
- 4K/UHD capability @60 Hz with 4:4:4 Chroma sampling, plus support for HDR formats.
- HDCP 2.2 compliant.
- Visual Lossless Compression enables 4K@60 HDR extension over HDBaseT.
- Receiver to transmitter audio return via ARC or digital coaxial pathway.
- HDMI audio de-embedding with phoenix analog connector.
- Supports bi-directional IR and RS232 pass-through over HDBT.
- Supports bi-directional PoC power supply.
- Supports transmitting 1080p signal up to 60m/197ft and 4K@60Hz 4:4:4 signal up to 35m/115ft via a single Cat 5e/6 cable.
- Supports transmitting 1080p signal up to 70m/230ft and 4K@60Hz 4:4:4 signal up to 40m/131ft via a single Cat 6A/7 cable.

## Specifications

Technical	
Input	1 x HDMI, 1 x HDBT
Input Signal Type	HDMI with HDCP 2.2

Input Signal Type	800x6008, 1024x7688, 1280x7688, 1280x8008, 1280x9608, 1280x10248, 1360x7688, 1366x7688, 1440x9008, 1600x9008, 1600x12008, 1680x10508, 1920x10808,
Input/Output Resolution	1920x12008, 3840x21602,3,5,6,8, 4096x21602,3,5,6,8
Supported	1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = at 60 Hz, 9 = at 75 Hz;
Audio Format Supported	<b>HDMI:</b> Fully supports audio formats in HDMI 2.0 specification, including PCM, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, DTS:X <b>S/PDIF:</b> PCM 2.0, Dolby Digital, DTS 5.1
Maximum Data Rate	18Gbps

General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	DC 12V/3A

Power Consumption (Maximum)	Receiver is powered by transmitter: 18.72W Transmitter is powered by receiver: 18.96W
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General	
	Transmitter and receiver are powered separately: Transmitter: 8.4W Receiver: 6.6W
Device Dimension (W x H x D)	Transmitter/Receiver: 195mm x 21mm x 94.8mm/7.68" x 0.83" x 3.73"
Product Weight	Transmitter/Receiver: 0.4kg/0.88lb


## Transmission Distance

Cable Type	Range	Supported Video
Cat 5e/6	35m/115ft	4K@60Hz 4:4:4
	60m/197ft	1080P@60Hz
Cat 6A/7	40m/131ft	4K@60Hz 4:4:4
	70m/197ft	1080P@60Hz
HDMI	Input/Output: 15m/49ft	1080p@60Hz
	Input/Output: 10m/33ft	4K@30Hz 4:4:4
	Input/Output: 5m/16ft	4K@60Hz 4:4:4



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