

AVG-EX100AO-eARC

eARC Audio-Only Extender



This AVönic product is an eARC audio-only extender kit. It can transmit eARC/ARC or alternative S/PDIF audio up to 100m/330ft from the TV back to the centralised AVR. The kit supports full eARC capabilities up to Dolby Atmos. It also supports full eARC function and is backwards compatible with 5.1CH ARC. It also features bi-directional IR, RS232, and CEC pass-through between the eARC transmitter and receiver.

Features

- AVon-Link technology simplifies audio & video routing and enhances system flexibility and ease of use.
- Supports transmitting eARC/ARC audio up to 100m/330ft over a single Cat 5e/6 or above cable.
- The eARC audio supports article-based audio formats like Dolby Atmos and DTS:X, and also supports lossless audio formats like Dolby TrueHD and DTS HD Master.
- Provides alternative S/PDIF audio return channel, which can be set through a simple 2-pin DIP switch.
- Multiple control methods, including bi-directional IR, RS232 and CEC between transmitter and receiver.
- Powered via Micro USB. Both transmitter and receiver could be powered by 5V USB power.
- Firmware upgradable via RS232 port.

Specifications

Technical	
Input/Output Port	<p>Transmitter: 1 x HDMI OUT, 1 x UTP OUT, 1 x S/PDIF IN, 1 x IR IN, 1 x IR OUT, 1 x RS232, 1 x Micro USB (for power input)</p> <p>Receiver: 1 x HDMI IN, 1 x UTP IN, 1 x S/PDIF OUT, 1 x IR IN, 1 x IR OUT, 1 x RS232, 1 x Micro USB (for power input)</p>
Audio Format Supported	<p>S/PDIF: Dolby Digital, Dolby Digital Plus, DTS, DTS HD, PCM 2.0 ARC: Dolby Digital, Dolby Digital Plus, DTS, DTS HD, PCM 2.0 eARC: PCM 2.0, PCM 5.1, PCM 7.1, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS, DTS HD, DTS HD Master Audio, DTS:X</p>

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 5V 1A
Power Consumption	3.582W (Max)
Device Dimension (W x H x D)	120mm x 25mm x 70.2mm/ 4.72" x 0.98" x 2.76" each for TX/RX
Product Weight	0.32kg/0.71lb

Transmission Distance

Note: T568B straight-through Category cable is recommended.


Cable Type	Range
Cat 5e/6 or above	100m/330ft
HDMI	Input/Output: 5m/16ft



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