

HD A

# GUIDE

HDMI Extenders

CONNECT



# XTND 2K (30)

Product code: XTND2K30

SKU 2.50.893



An ultra lightweight, palm-sized HDMI extender set supporting all resolutions up to Full HD 1080p 60Hz content uncompressed up to 30 metres over one twisted pair Cat cable. Control of the transmitter source is made possible via a return IR channel and included IR cabling.

The transmitter incorporates a HDMI loop/splitter out port for connecting a second display, or for daisy-chaining additional extenders in series. PoE power means the receiver is powered via the Cat cable.


## Features

Supports all resolutions up to and inc. Full HD 1080p 60Hz up to 30m
Supports LPCM 7.1ch, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master audio
HDMI loop port on TX
Return IR control channel (RX>TX)
Uncompressed HDMI TMDS signal transmission
Fix EDID settings
Sold as a complete install package, with all IR cabling and mounting kit included.
UK / EU / AU / US multi-territory adapters included

## Specification

TX / RX form factor	Lightweight slender aluminium enclosure with integrated mounting wings
Inputs / outputs	<b>TX</b> HDMI in / RJ45 out / IR 3.5mm jack (out = from RX) <b>RX</b> RJ45 in / HDMI out / IR 3.5mm jack (in = to TX)
Transmission tech.	TMDS
Video bandwidth	165MHz / 6.75Gbps
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Device / Package weight	56 / 700 g
Dimensions (W/D/H)	78 / 67 / 16 mm (TX and RX)
Power	5V/1A DC type connector (US/EU standards, CE/FCC/UL certified)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	9.5W (max)
Guarantee	2 year guarantee

## Control



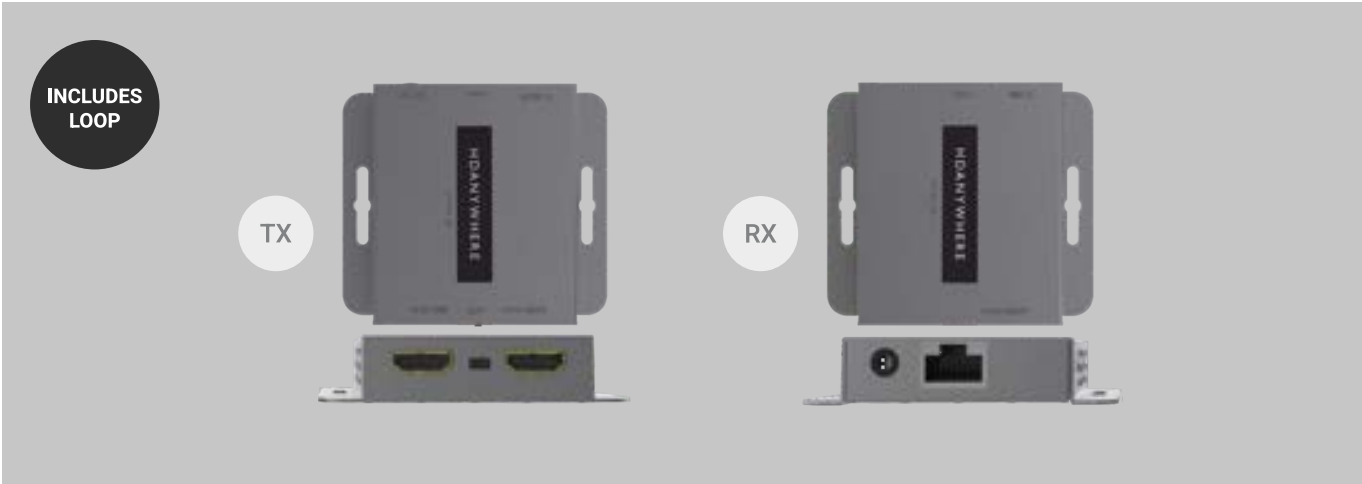
**Backwards IR**

Send infrared (IR) commands from the display back to the XTND TX to control the HDMI devices connected.

# XTND 2K (60)

Product code: XTND2K60

SKU 2.50.893



An ultra lightweight, palm-sized HDMI extender set supporting all resolutions up to Full HD 1080p 60Hz content uncompressed up to 60 metres over one twisted pair Cat cable. Control of the transmitter source is made possible via a return IR channel and included IR cabling.

The transmitter incorporates a HDMI loop/splitter out port for connecting a second display, or for daisy-chaining additional extenders in series. PoE power means the receiver is powered via the Cat cable.

## Features

Supports Full HD 1080p* up to 60m
Supports LPCM 7.1ch, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master audio
HDMI loop port on TX
Return IR control channel (RX>TX)
Uncompressed HDMI TMDS signal transmission
Fix EDID settings
Sold as a complete install package, with all IR cabling and mounting kit included.
UK / EU / AU / US multi-territory adapters included

\*Additional support for 4K (up to 4K@30Hz 4:4:4) is possible but source/display must be HDCP 1.4 compliant.

## Specification

TX / RX form factor	Lightweight slender aluminium enclosure with integrated mounting wings
Inputs / outputs	<b>TX</b> HDMI in / HDMI out / RJ45 out / IR 3.5mm jack (out = from RX) <b>RX</b> RJ45 in / HDMI out / IR 3.5mm jack (in = to TX)
Transmission tech.	TMDS
Video bandwidth	10.2Gbps
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact dis - charge)
Device / Package weight	56 / 700 g
Dimensions (W/D/H)	78 / 67 / 16 mm (TX and RX)
Power	12V/1A DC type connector (US/EU standards, CE/FCC/UL certified)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	2.73W (max)
Guarantee	2 year guarantee

## Control



**Backwards IR**

Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.

# XTND 2K (150)

Product code: XTND2K150  
SKU 2.50.767



A long-range uncompressed HDMI extender set supporting all resolutions up to Full HD 1080p 60Hz content up to 150 metres over one twisted pair Cat cable. HDBaseT technology ensures ultra-reliable and robust transmission, even over challenging cable distances.

Control either the source or the display via two-way IR or RS232. The transmitter incorporates a HDMI loop/splitter out port for connecting a second display or for daisy-chaining additional extenders in series. Bi-directional PoH means that the solution can be powered from either RX or TX.


## Features

Supports all resolutions up to and inc. Full HD 1080p 60Hz up to 150m
Supports LPCM 7.1ch, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio
10.2Gbps data rate
HDMI loop port on TX
Two-way IR and bi-directional RS232 control
Bi-directional PoH - can be powered from either RX or TX
Sold as a complete install package, with all IR cabling and mounting kit included
UK / EU / AU / US multi-territory adapters included

## Specification

TX / RX form factor	Lightweight slender aluminium enclosure
Inputs / outputs	<b>TX</b> HDMI in / RJ45 HDBaseT out / RS232 / 2x IR 3.5mm jack (in = to RX / out = from RX) <b>RX</b> RJ45 HDBaseT in / HDMI out / RS232 / 2x IR 3.5mm jack (in = to TX / out = from TX)
Transmission tech.	HDBaseT
Video bandwidth	340MHz clock / 10.2Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Control	Bi-directional IR and RS232 + HDMI-CEC pass through
Device / Package weight	125 / 1100 g
TX / RX Dimensions (W/D/H)	140 / 65 / 17 mm
Power	24V/1A DC screw type connector (US/EU standards, CE/FCC/UL certified)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	9.5W (max)
Guarantee	2 year guarantee


## Control



**Backwards IR**  
Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.



**Forwards IR**  
Send infrared (IR) commands from the XTND TX to the display location for control of displays and soundbars.

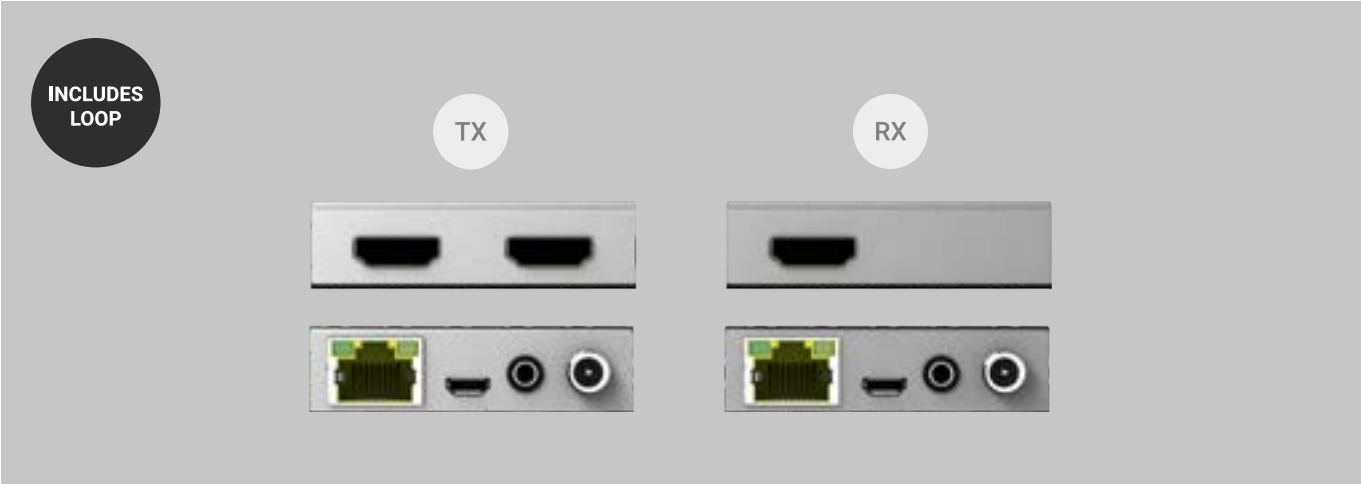


**2-Way RS232**  
XTND TX/RX for use with third-party control systems / devices.

# XTND 4K (40) with TPC

Product code: XTND4K40TPC

SKU 2.50.885



A compact, palm-sized HDMI 2.0 extender set - supports 18Gbps premium UHD/4K 60Hz 4:4:4 data rates, with all current HDR formats inc. Dolby Vision®, HDR10 and HLG up to 40 metres, over one twisted pair Cat cable.

Control of the transmitter source is made possible via a return IR channel and included IR cabling.

Tipping Point Compression w/DSC enables the transmission of 18Gbps content with no human-perceivable difference in video quality. TPC can handle all HDR formats, including Dolby Vision, retaining all original HDR Meta and is compatible with all chroma subsampling and colour space options (4:4:4, 4:2:2, and 4:2:0).

## Features

HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout (up to 40m)
HDMI 2.0 (Native 18G) loop port on TX
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats inc. Dolby Vision®
Supports all current audio formats up to Dolby Atmos® and DTS:X®
Bi-directional PoC - can be powered from either RX or TX.
Sold as a complete install package, with all IR cabling and mounting kit included.
UK / EU / AU / US multi-territory adapters included

## Specification

TX / RX form factor	Palm-sized, ultra lightweight aluminium enclosure
Inputs / outputs	<b>TX</b> HDMI in / HDMI loop out / RJ45 HDMI over CAT / 1x IR 3.5mm jack (out = from RX) <b>RX</b> RJ45 HDMI over CAT in / HDMI out / 1x IR 3.5mm jack (in = to TX)
Transmission tech.	HDMI over CAT + TPC
Video bandwidth	Up to 4K@60Hz (4:4:4)
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Control	Bi-directional IR, HDMI-CEC pass through.
Device / Package weight	TX 78g / RX 75g / 500 g
Dimensions (W/D/H)	61 x 88 x 18 mm
Power	DC12V/1A
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-20°C - 60°C / -4°F - 140°F
Relative humidity	20~90 % RH (non-condensing)
Power consumption	3.84W (max)
Guarantee	2 Years

## Control

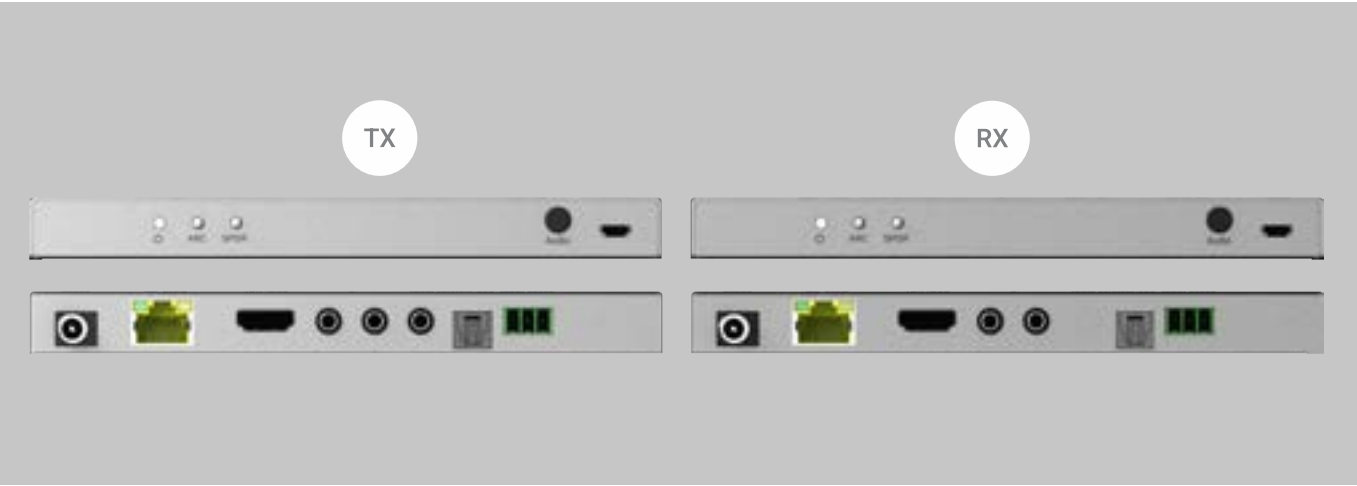
**Backwards IR**  
Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.

**Forwards IR**  
Send infrared (IR) commands from the XTND TX to the display location for control of displays and soundbars

# XTND 4K (40) with ARC & TPC

Product code: XTND4K402ARCTPC

SKU 2.50.886



Our most slender, super-slim and ultra-lightweight HDMI 2.0 / HDBaseT 2.0 extender set - supports 18Gbps premium UHD/4K 60Hz 4:4:4 data rates, with all current HDR formats inc. Dolby Vision®, HDR10 and HLG up to 40 metres, over one twisted pair Cat cable.

Audio return is possible to optical on the TX or optical on RX to optical on TX. Control via two-way IR and RS232 are also available.

Tipping Point Compression w/DSC enables the transmission of 18Gbps content via HDBaseT 2.0 technology, with no human-perceivable difference in video quality. TPC can handle all HDR formats, including Dolby Vision, retaining all original HDR Meta and is compatible with all chroma subsampling and colour space options (4:4:4, 4:2:2, and 4:2:0).


## Features

HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout (up to 40m)
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats inc. Dolby Vision®
Supports all current audio formats up to Dolby Atmos® and DTS:X®
HDMI ARC+CEC: RX > TX
Bi-directional PoH - can be powered from either RX or TX
Sold as a complete install package, with all IR cabling and mounting kit included.
UK / EU / AU / US multi-territory adapters included

## Specification

TX / RX form factor	Lightweight, super-slim aluminium enclosure
Inputs / outputs	<b>TX</b> HDMI in / RJ45 HDBaseT out / Optical out / RS232 / 2x IR 3.5mm jack (in = to RX / out = from RX) <b>RX</b> RJ45 HDBaseT in / HDMI out / Optical in / RS232 / 2x IR 3.5mm jack (in = to TX / out = from TX)
Transmission tech.	HDBaseT 2.0 + TPC w/DSC
Video bandwidth	594MHz clock / 18Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Control	Bi-directional IR and RS232 + HDMI-CEC pass through.
Device / Package weight	176 / 1100 g
Dimensions (W/D/H)	162 / 88 / 17 mm (TX and RX)
Power	24V/1A DC screw type connector (US/EU standards, CE/FCC/UL certified)
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	9.5W (max)
Guarantee	2 year guarantee

## Control



**Backwards IR**  
Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.



**Forwards IR**  
Send infrared (IR) commands from the XTND TX to the display location for control of displays and soundbars.



**2-Way RS232**  
XTND TX/RX for use with third-party control systems / devices.

# XTND 4K (100) with TPC

Product code: XTND4K1002TPC

SKU 250.887



A long-range super-slim and ultra-lightweight HDMI 2.0 extender set - supports 18Gbps premium UHD/4K 60Hz 4:4:4 data rates, with all current HDR formats inc. Dolby Vision®, HDR10 and HLG up to 100 metres, over one twisted pair Cat cable.

A de-embed stereo audio output port is available on the RX for as a helpful connection option for amplifiers or soundbars etc. Control via two-way IR or RS232 available on the receiver.

Tipping Point Compression w/DSC enables the transmission of 18Gbps content with no human-perceivable difference in video quality. TPC can handle all HDR formats, including Dolby Vision, retaining all original HDR Meta and is compatible with all chroma subsampling and colour space options (4:4:4, 4:2:2, and 4:2:0).


## Features

HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout (up to 100m)
HDMI 2.0 (Native 18G) loop port on TX
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats inc. Dolby Vision®
Supports all current audio formats up to Dolby Atmos® and DTS:X®
Stereo audio de-embed port on the RX
Bi-directional PoC - can be powered from either RX or TX.
Sold as a complete install package, with all IR cabling and mounting kit included.
UK / EU / AU / US multi-territory adapters included

## Specification


TX / RX form factor	Lightweight, super-slim aluminium enclosure
Inputs / outputs	<b>TX</b> HDMI in / HDMI loop out / RJ45 HDMI over CAT out / RS232 / 2x IR 3.5mm jack (in = to RX / out = from RX)  <b>RX</b> RJ45 HDMI over CAT in / HDMI out / RS232 / 2x IR 3.5mm jack (in = to TX / out = from TX) / 1x 3.5mm stereo jack
Transmission tech.	HDMI over CAT + TPC
Video bandwidth	594MHz clock / 18Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Control	Bi-directional IR, RS232, HDMI-CEC pass through.
Device / Package weight	TX 124g / RX 124g / 790 g
Dimensions (W/D/H)	140 / 65 / 18 mm (TX and RX)
Power	24V/1A DC screw type connector
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	9.36W (max)
Guarantee	2 year guarantee

## Control




**Backwards IR**

Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.



**Forwards IR**

Send infrared (IR) commands from the XTND TX to the display location for control of displays and soundbars.



**2-Way RS232**

XTND TX/RX for use with third-party control systems / devices.

# XTND 4K (100) with eARC & USB

Product code: XTND4K100EARCUSB  
SKU 2.58.940



The first of a new era of ultra high performance HDA connectivity products, the XTND 4K (100) eARC + USB is the ultimate all-in-one, long distance (video, audio, USB, control, Ethernet and power) Transmit (TX) and Receive (RX) extender solution.

The XTND 4K (100) eARC + USB delivers uncompressed 4K video, high-quality audio, USB, 1Gb Ethernet and power over a single Cat6A cable for up to 100 metre using HDBaseT 3.0 technology.

## Features

Supports video picture formats up to 4K@60Hz (4:4:4) including HDR and Dolby Vision (4K@30Hz)
HDBaseT 3.0
Uncompressed 18Gbps bandwidth
4K up to 100m (328ft) over Cat 6A cable
Digital audio support up to and including Dolby Atmos and DTS:X
Audio extraction over stereo or SPDIF (not downmixed).
eARC to HDMI, HDMI OUT or SPDIF
Supports external audio embedding or extraction
1Gb Ethernet pass through
Bi-directional USB 2.0 (Host/Device)
Bi-directional IR & RS232
CEC control from display to HDMI source
Bi-directional Power over Cat

## Specification

TX / RX form factor	Lightweight, super-slim aluminium enclosure
Inputs / outputs	<b>TX</b> Inputs: x1 HDMI, Outputs: x1 HDMI (Mirror), x1 HDBaseT, x1 3.5mm Stereo, x1 SPDIF <b>RX</b> Inputs: x1 HDBaseT, x1 SPDIF, Outputs: x1 HDMI, x1 3.5mm Stereo
Transmission tech.	HDBaseT
Video bandwidth	18Gbps Uncompressed (16G up 2G down)
ESD protection	±8kV (Air-gap discharge) ±4kV (Contact discharge)
Control	Bi-directional IR, RS232, HDMI-CEC pass through.
Device / Package weight	TX 425g / RX 437g / 1040g
Dimensions (W/D/H)	170 x 102 x 22 (TX and RX)
Power	24V 1A DC screw type connector
Operating temperature	0°C - 40°C / 32°F - 104°F
Storage temperature	-20°C - 60°C / -4°F - 140°F
Relative humidity	20 - 90% (Non-condensing))
Power consumption	15.36W (PoC)
Guarantee	2 year guarantee

## Control

**Backwards IR**  
Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.

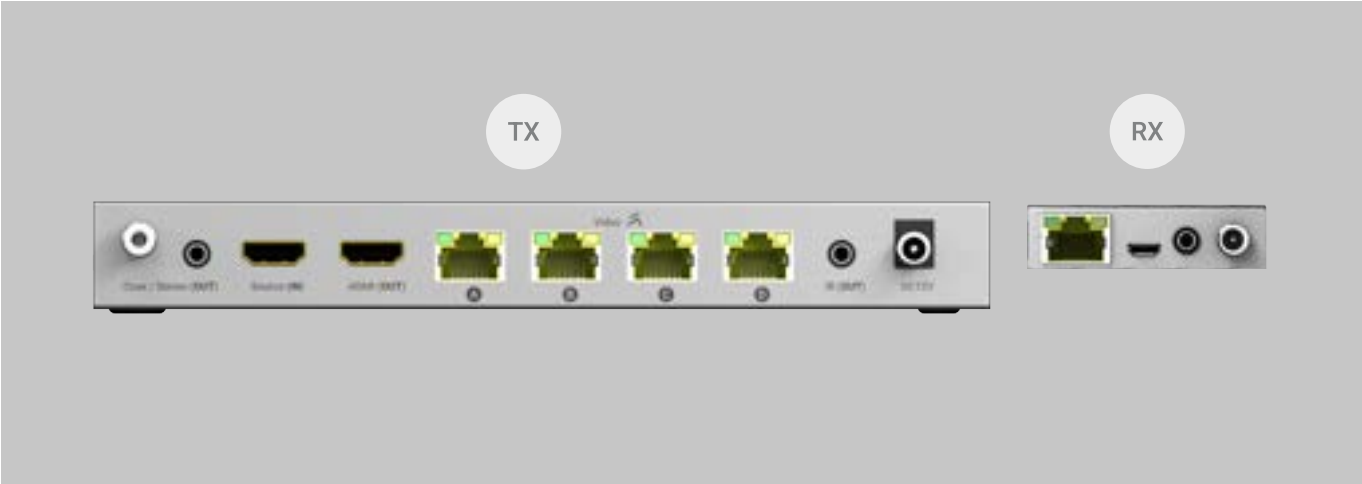
**Forwards IR**  
Send infrared (IR) commands from the XTND TX to the display location for control of displays and soundbars.

**2-Way RS232**  
XTND TX/RX for use with third-party control systems / devices.



# XTND 4K (40) TPC Splitter (1x4+1)

Product code: XTND4K14140TPC  
SKU 2.50.892



The XTND 4K (40) TPC Splitter (1x4+1) has been designed for the most modern home entertainment market requirements. This XTND is HDMI 2.0 compatible, boasting 18G HDMI interfaces, that support the latest 4K HDR video content as well as 1080p and Dolby Atmos surround sound distributed over a single Cat6 cable to 4 display locations up to 40m (131ft) away.

All display receivers are powered from the transmitter using PoE with an additional HDMI out for a local display or daisy-chaining with other HDA devices. Stereo or multichannel audio extraction is also available for media room setups.


## Features

Supports 18Gbps bandwidth and video picture formats up to 4K@60Hz (4:4:4) including HDR and Dolby Vision*
Includes local HDMI loop out
4K up to 40m (131ft)
Digital audio support up to and including Dolby Atmos and DTS:X
Audio extraction over coax & stereo (source audio only - no downmix).
Backwards IR
EDID management
Power over Cable

## Specification

Form factor	Steel
Inputs x outputs	1 HDMI x 4 Cat +1 HDMI (Mirror), 3.5mm Stereo Jack, x1 Digital Coax
Transmission tech.	TPC
Video bandwidth	18Gbps
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Hub control	N/A
App control	N/A
Device weight	TX 617g / RX 155g
Package weight	1900g
Dimensions (W/D/H)	TX 100 / 210 / 25 / RX 88 / 61 / 18mm
Power	DC12V/2.5A
Operating temperature	0°C - 40°C / 32°F - 104°F
Storage temperature	-20°C - 60°C / -4°F - 140°F
Relative humidity	20~90 % RH (non-condensing)
Power consumption	14W (max) 0.5W (standby)
Guarantee	2 Years

## Control



**Backwards IR**

Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.

# XTND Audio (300)

Product code: XTNDA300  
SKU 2.50.896



The XTND Audio (300) is a plug-and-play extender capable of extending the range of digital or analogue audio signals up to a distance of 300m/984ft over a single Cat5e or 6 cable. Featuring a built-in DAC it's possible to convert digital audio to analogue.

## Features

Extend digital and analogue audio signals up to a maximum distance of 300m / 984ft over single Cat 5e/6 cable
Distances supported: 100m / 328ft @ 192KHz, 150m / 492ft @ 96KHz, 300m / 984ft @ 48KHz
Bi-directional Power over Cable (PoC)
Digital audio support including: PCM 2.0, LPCM, DTS, Dolby Digital, Dolby Digital Plus
32KHz, 44.1KHz, 48KHz, 96KHz, 176.4KHz, 192KHz @ 24-bit
Ultra-low jitter
Plug-and-Play design

## Specification

TX / RX form factor	Slender Steel enclosure
Inputs / outputs	<b>TX</b> x1 Optical, x1 Stereo RCA (L/R) <b>RX</b> x1 Optical, x1 Stereo RCA (L/R)
Device / Package weight	174g (TX and RX) / 900g
Dimensions (W/D/H)	90 / 72 / 20mm (TX and RX)
Power	12V/1A DC type connector
Operating temperature	0°C - 40°C / 32°F - 104°F
Storage temperature	-20°C - 60°C / -4°F - 140°F
Relative humidity	20~90 % RH (non-condensing)
Power consumption	1.5W (Maximum)
Guarantee	2 year guarantee



**Audio from display to AVR**  
Can be used to return audio from a TV to an amplifier in a centralised or hidden location.



**From AVR to Sub**  
Send signal to an active subwoofer located further away than normal.

# XTND Audio (100) eARC

Product code: XTNDA100EARC  
SKU 2.58.943



An essential audio extender for utilising eARC over long distances.

The XTND Audio (100) eARC extends audio from a HDMI-eARC-equipped display to an amplifier or a HDMI-eARC-equipped AVR, over a 100-meter cable run - offering both stereo and multi-channel digital audio support (Dolby Atmos, DTS via eARC) with seamless control through HDMI CEC. It's a powerful, easy-to-install solution for multi-room audio setups.

## Features

Extended Audio Transmission: Transmits eARC or optical audio signals up to 100 meters over a single Cat6 cable.
HDMI eARC and CEC Support: Ensures compatibility with high-resolution, multi-channel audio formats and control via HDMI CEC.
Audio Flexibility: Works with either HDMI eARC or optical audio, enabling easy connection between devices such as TVs, AV receivers and streaming amplifiers.

## Specification

TX / RX form factor	Slender Steel enclosure
Inputs / outputs	<b>TX</b> x1 Optical, x1 HDMI (HDCP 2.2), 1x Audio mode switch <b>RX</b> x1 Optical, x1 HDMI (HDCP 2.2)
Device / Package weight	174g (TX and RX) / 900g
Dimensions (W/D/H)	90 / 72 / 20mm (TX and RX)
Power	12V/1A DC type connector
Operating temperature	0°C - 40°C / 32°F - 104°F
Storage temperature	-20°C - 60°C / -4°F - 140°F
Relative humidity	20~90 % RH (non-condensing)
Power consumption	1.5W (Maximum)
Guarantee	2 year guarantee



### Audio from display to AVR

Can be used to return audio and HDMI CEC from a TV to an amplifier in a centralised or hidden location.

≡ ≡ HDA