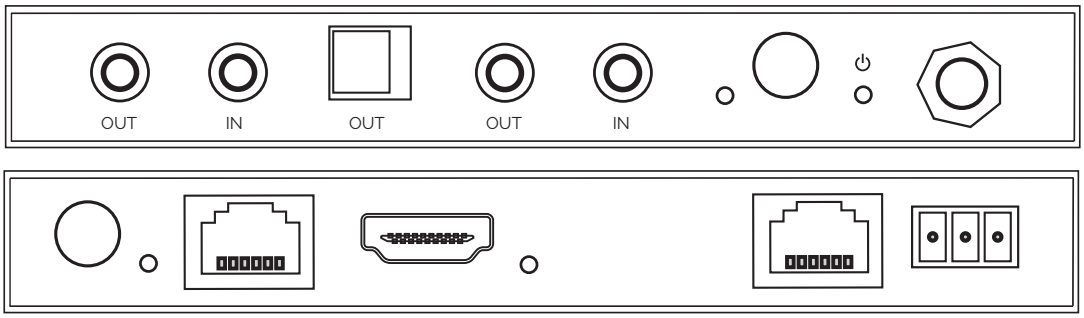
XTND 4K (100m) Extender Manual

Product Code: XTND4K100



HDANYWHERE™

YOUR EXTENDERS

Use an XTND 4K (100m) extender to extend your favourite HDMI media device (DVD/Blu-Ray player, Xbox, Apple TV etc) to a HDTV located up to 150m away for 1080p content or 100m away for 4K devices.

XTND 4K (100m) requires Cat cabling to be run from the Transmitter to the display Receiver, which you can run yourself if capable or choose to have professionally installed.

IN THE BOX

1. x1 XTND 4K (100m) Transmitter
2. x1 XTND 4K (100m) Receiver
3. x1 24V / 1A DC PSU
4. x2 IR Transmitters (TX)
5. x2 IR Receivers (RX)
6. x4 wall mounting brackets

CONTENTS

QUICK SETUP

This quick setup guide will get your extender up and working in less than 5 minutes. If you need to integrate IR control then please continue on to **page 6**.

1. Power off your display and your HDMI source device
2. Connect the HDMI source to the HDMI input on the XTND 4K (100m) Transmitter using an appropriate HDMI cable.
3. Connect a display such as a HDTV or HD Projector to the HDMI output port on the XTND 4K (100m) Receiver using an appropriate HDMI cable. We recommend that you use high-speed HDMI cables no longer than 5 meters in length.
4. Now connect a single Cat5e/6 cable up to 490ft/150m in length between the Cat output port of the XTND 4K (100m) Transmitter and the Cat input port on the XTND 4K (100m) Receiver.
5. Plug in the power supply for either the Transmitter or the Receiver.
6. Power on your HDMI source device, then power on your display.
7. At this point the display should show the video and audio of the HDMI source device that is connected to the extender.

SYSTEM FEATURES

1. Delivers uncompressed video and audio over network cable
2. Supports the following resolutions:

   a. 640x480, 800x600, 1024x768, 1280x1024, 1600x1200, 1920x1080,1920x1200, 4096x2160p (DCI), 3840x2160p (UHD) DTV/ HDTV: 480i/576i/480p/576p/720p/1080i/1080 p/4Kx2K

   b. All 3D formats including 3D at 1080p60

   c. Up to 48-Bit Deep Colour
3. Enables HD viewing in one additional room
4. Stereo or multichannel audio including:

   a. LPCM 7.1CH

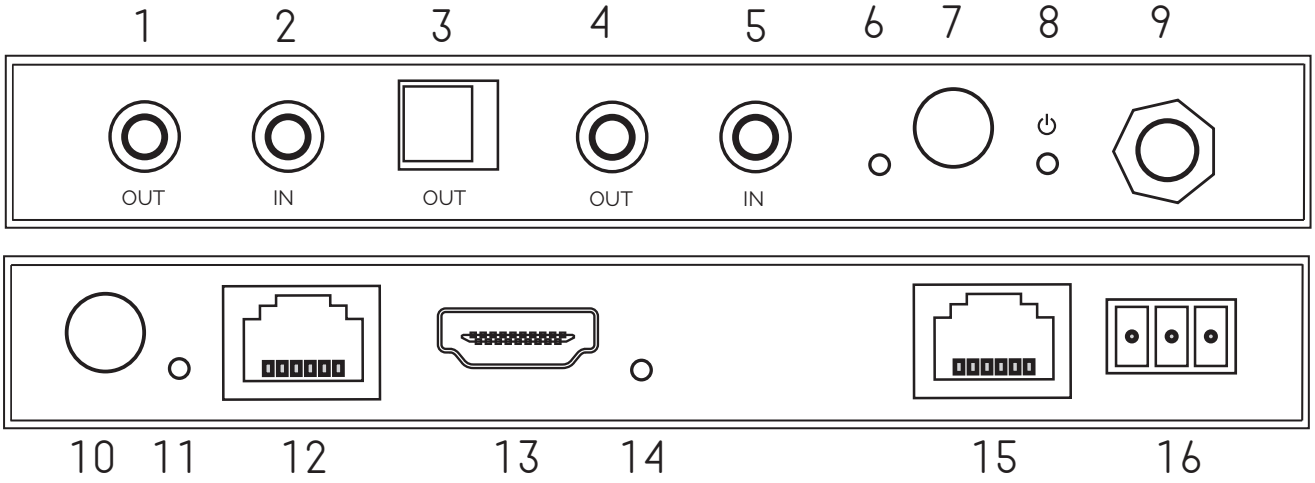
   b. Dolby True HD

   c. DTS-HD Master Audio

   d. Dolby Atmos

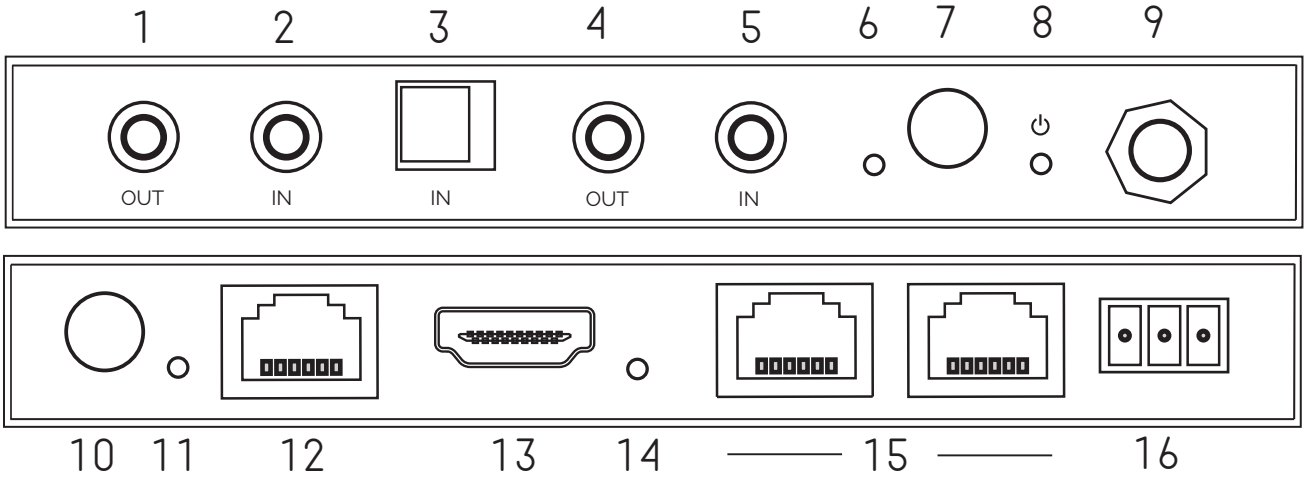
   e. DTS: X
5. Two-way IR
6. Bi-directional RS232 control.
7. Ethernet Pass Through
8. Audio Return via HDMI or optical

TRANSMITTER (X1)



1. **Stereo (OUT):** Receive stereo audio from the receiver via 3.5mm jack cable
2. **Stereo (IN):** Send stereo audio to the receiver via 3.5mm jack cable
3. **Digital Out:** Allows ARC extraction of display audio via optical cable
4. **IR (OUT):** Plug the supplied IR TX into this port
5. **IR (IN):** Plug the supplied IR RX into this port
6. **ARC Power:** This led indicates if ARC is enabled or disabled
7. **ARC Button:** Press this button to Enable ARC extraction on your TV
8. **Power LED:** This indicates that your transmitter is being powered
9. **DC input:** Plug the 24V power supply into the unit
10. **LRM Button:** This button enables "Long Range Mode" this mode disables 4K supports but increases the effective transmission distance of 1080p content to 150m
11. **LRM Enabled:** This indicates if LRM is disabled or enabled
12. **HDBaseT output:** Connect the CAT 5e/6 cabling run from the receiver to this port
13. **HDMI Input port:** Connect HDMI source e.g. BluRay player, with HDMI cable
14. **HDMI Power LED:** This indicates the receiver detects a connected HDMI source
15. **Lan Port:** Connect an active ethernet connection to this port to enable the dual ethernet ports on the receiver
16. **RS232 Port:** Provides bi-directional RS232 between receiver and transmitter

RECEIVER (X1)



1. **Stereo (OUT):** Receive stereo audio from the transmitter via 3.5mm jack cable
2. **Stereo (IN):** Send stereo audio to the transmitter via 3.5mm jack cable
3. **Digital In:** Send digital audio via optical cable to the transmitter
4. **IR (OUT):** Plug the supplied IR TX into this port
5. **IR (IN):** Plug the supplied IR RX into this port
6. **ARC Power:** This led indicates if ARC is enabled or disabled
7. **ARC Button:** Press this button to Enable ARC extraction on your TV
8. **Power LED:** This indicates that your receiver is being powered
9. **DC input:** Plug the 24V power supply into the unit
10. **LRM Button:** This button enables "Long Range Mode" this mode disables 4K supports but increases the effective transmission distance of 1080p content to 150m
11. **LRM Enabled:** This indicates if LRM is disabled or enabled
12. **HDBaseT Input:** Connect the CAT 5e/6 cabling run from the transmitter to this port
13. **HDMI Output port:** Connect a HDMI display such as a TV or projector
14. **HDMI Power LED:** This indicates the receiver detects a connected HDMI TV
15. **Lan Ports:** Connect an ethernet cable to these ports to provide a wired internet connection to a local device
16. **RS232 Port:** Provides bi-directional RS232 between receiver and transmitter

SETTING UP IR CONTROL

This will enable backwards and forewards IR control (the most common form of IR control) where IR signals from a remote in your distant location is sent back to the extender and sent to your source device to make it appear as though it is in the same room as you.

SOURCE CONTROL VIA IR (BACKWARDS IR)

1. Plug IR Transmitter TX into the 3.5mm jack port labelled IR TX on the XTND 4K (100m) Transmitter
2. Place IR Transmitter TX bud (small circular part) in front of the IR eye of the source (where you would normally point the remote to control the HDMI source device).
3. Plug IR Receiver RX into the 3.5mm jack port labelled IR RX on the XTND 4K (100m) Receiver.
4. Place IR Receiver at or near the display (position it close to where you would usually point your remote to turn your TV on or off).

DISPLAY CONTROL VIA IR (FORWARDS IR)

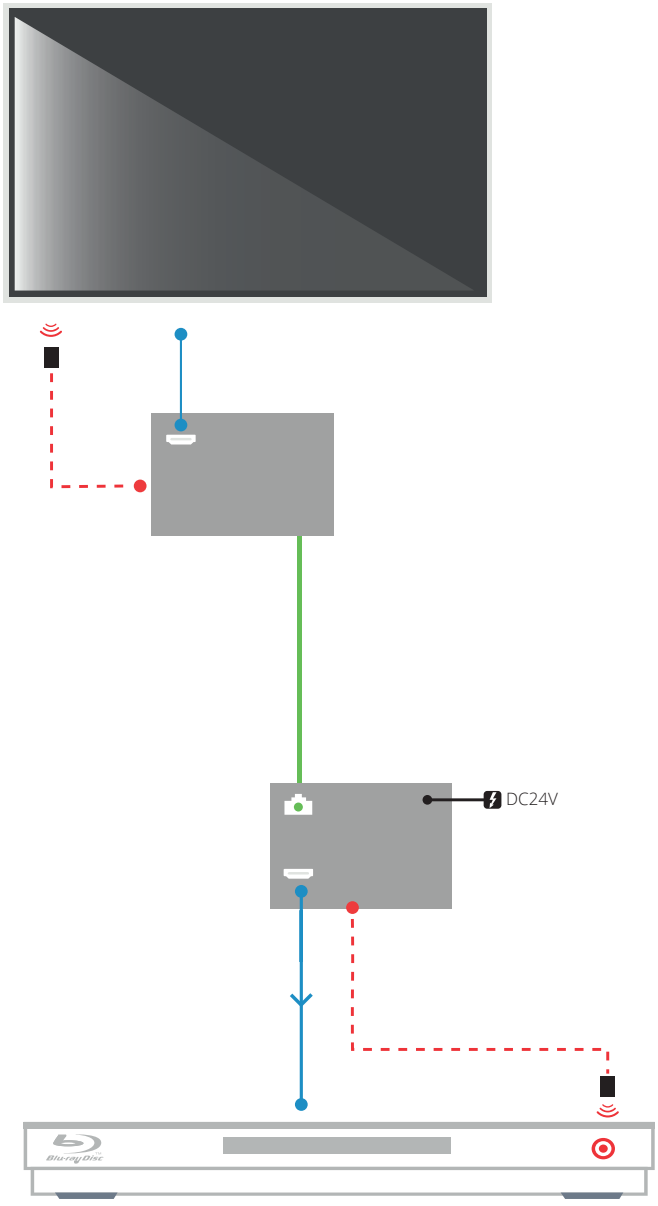
1. Plug IR Transmitter TX into the 3.5mm jack port labelled IR TX on the XTND 4K (100m) Receiver.
2. Place IR Transmitter TX in front of the IR eye of the display (position it where you would usually point your remote to turn on or off your TV).
3. Plug IR Receiver RX into the 3.5mm jack port labelled IR RX on the XTND 4K (100m) Transmitter
4. Place IR Receiver in a visible uncovered position where it is able to receive remote signals.

STANDARD WIRING DIAGRAM

This is a typical wiring diagram that shows how we would expect an XTND 4K (100m) Extender set up to look once installed. This diagram features a single HDMI source device (a BluRay player) being sent to 1 room, with a display located up to 150 metres away, and with IR controlling the source device via backwards IR.

Key

- IR cable
- HDMI cable - 5m / 16ft Max
- HDMI over cat cable - 70m / 230ft Max
- Connection
- Direction
- IR Transmitter
- IR Receiver



SPECIFICATION

Frequency bandwidth
297MHz (10.2Gbps)

Transmitter input/output ports
x1 HDMI input
x1 Cat 5e/6
x1 IR Transmitter
x1 IR Receiver
x1 Phoenix connector (rs232)

Receiver input/output ports
x1 HDMI output
x1 Cat 5e/6
x1 IR Transmitter
x1 IR Receiver
x1 Phoenix connector (rs232)

Power supply
x1 DC 24V 1A

ESD Protection Human Body Model
± 8kV (air-gap discharge) ± 4kV (contact discharge)

Dimensions (mm) (Width x Depth x Height)
Display Receiver (65x115x17)

Weight (g)
Display Receiver 200g x2

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)

Maximum power consumption
20W

TWO-YEAR REPLACEMENT WARRANTY & GUARANTEE

A one-year worldwide replacement guarantee covering HDanywhere™ electronic devices is provided by HD Connectivity Ltd. . If you need to use this guarantee, please contact HDanywhere Customer Services: support@hdconnectivity.com or telephone (0)1648 576 348 during UK office hours.

Hereby, HDanywhere™ declares that this HDMI connectivity device is in compliance with the essential requirements and other relevant provisions of the following Directives: 2006/95/EC (LVD Directive); 2004/108/EC (EMC Directive); 999/5/EC (R&TTE Directive).

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