



INT-HDX100-RXWP Quick Install Guide



This guide is for quick installation only.
For complete owners manual go to www.libav.com or use a QR reader to access the manual via QR code below.



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Product Overview

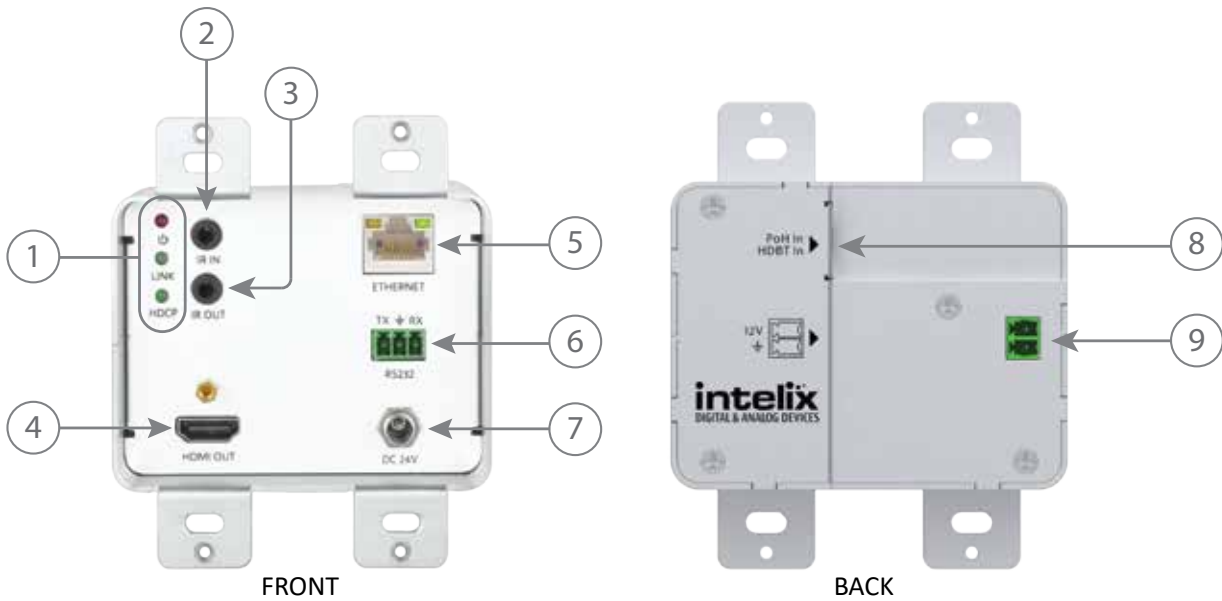
The Intelix INT-HDX100-RXWP receives HDMI, IR, Ethernet and RS232 over a single solid core shielded Category cable. The INT-HDX100-RXWP supports 1080p video signal up to 100m and 4K signals up to 4K@60Hz / 4:2:0 / 8 bit color up to 70m. The INT-HDX100-RXWP supports CEC pass through and is HDCP 2.2 compliant. 48V PoH built in allows the receiver to be powered from a compatible Intelix transmitter.

The INT-HDX100-RXWP is compatible with all Intelix HDBaseT product offerings and any product that meets the HDBaseT specifications.

Package Contents

- INT-HDX100-RXWP HDBaseT Wall Plate Transmitter
- Quick Install Guide
- 2 gang decorator plate cover
- RS232 to DB9 breakout cable
- 2-pin phoenix connector
- (4) Mounting Screws
- 24V DC Power supply with US, EU, UK and AU power adapters.

Receiver View



1. DIAGNOSTIC LED'S

POWER (RED) - Solid when device is powered ON

LINK (GREEN) - Solid when successful link between transmitter and receiver is established; off or blinking indicates a physical link error

HDCP (GREEN) - Solid when HDMI signal is encrypted; blinking when non-HDCP protected content is transmitted; OFF when no content is being transmitted

2. IR IN -3.5mm connection for IR receiver

3. IR OUT -3.5mm connection for IR emitter

4. HDMI OUT - HDMI output port for connection to HDMI display

5. ETHERNET - RJ45 port for passing Ethernet to receiver / display location from transmitter / source location

6. RS232 - 3 pin terminal block for RS232 pass through control of connected display or 3rd party device

7. DC24V - DC connector for power supply

8. HDBT IN / POH IN - HDBaseT input; RJ45 connection. Supports 48V PoH

Connectivity Instructions

1. Verify all components included with the extender set are present before installation.
2. Turn off power and disconnect the audio/video equipment by following the manufacturer's instructions.
3. Connect Category 6 or greater twisted pair cable with RJ45 connectors between the INT-HDX100-RXWP and a compatible Intelix HDBaseT transmitter. TIA/EIA-568B straight-through wiring connections must be used with all HDBaseT extenders.
4. Connect an HDMI cable and any desired IR, Ethernet and RS232 connections between the display and the INT-HDX100-RXWP.
5. Connect an HDMI cable and any desired IR, Ethernet and RS232 connections between the source and a compatible Intelix HDBaseT transmitter.
6. Connect a power supply to the compatible Intelix HDBaseT transmitter, and lock the power supply to the power connector by twisting the locking collar clockwise.
7. Power on attached audio/video devices.

Passing IR Signals:

The INT-HDX100-RXWP is capable of passing IR signals between 30 and 50 KHz. To prevent damage to any of the electronics, the extender should be powered off while inserting or removing any IR components. Inserting an IR transmitter into the IR IN port may damage the IR circuit for that extender.

Cabling Wiring Requirements

HDBaseT Cabling

To ensure proper performance of the INT-HDX100-RXWP, it is recommended that you use solid core, shielded Category 6 F/UTP cabling at a minimum. Category 5e F/UTP may perform well but may not support power over HDBaseT reliably over longer distances.



When using shielded category cabling *ALWAYS*...

-use shielded connectors
-properly ground the category cable

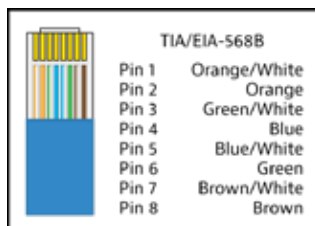
For optimized HDBaseT performance use the following Liberty Wire and Cable branded cabling;

Category 6 plenum; **24-4P-P-L6SH**

Category 6A plenum; **24-4P-P-L6ASH**

Category 6 NON-plenum; **24-4P-L6SH**

Category 6A NON-plenum; **24-4P-L6ASH**



Twisted Pair Wiring

Use TIA/EIA-568B wiring for Category 6 connection between send and receive units.

Technical Specifications

Supported Audio and Video	
Video Compliance	HDMI 2.0+, HDCP2.2, and CEC (Consumer Electronics Control)
Input / Output Resolution Support	Up to 4096x2160@60Hz (4:2:0 chroma sub-sampling / 8 bit deep color)
Embedded Audio	Up to PCM 8 channel, Dolby Digital, DTS, TrueHD, DTS-HD Master Audio and Dolby Atmos
IR Carrier Frequency Range	30-50kHz at 5 volts
HDBaseT Signal Characteristics	
Maximum Distance	<i>1080p</i> : 100 meters / 330 feet <i>4K@60Hz 4:2:0</i> 70 meters / 230 feet
Cable Requirements	Solid core shielded Category 6 F/UTP or greater with TIA/EIA-568B crimp pattern
Bandwidth	10.2 Gbps
Chassis and Environmental	
Dimensions (H x W x D)	104.5mm x 89.0mm x 67.9mm (4.1" x 3.5" x 2.7")
Product Weight	285g / 0.6lbs
Operating Temperature	-5° to +55° C (+23° to +131° F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Operating Humidity (Environment)	10% to 90%, Non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) ±4kV (Contact discharge)
Surge Protection	Voltage: ±1 kV
Power	
Maximum Power Consumption	9 watts
Power Supply Input Voltage	100-240V AC at 50-60 Hz
Power Supply Output Voltage	24V DC
Regulatory	CE, FCC, RoHS
Other	
Standard Warranty	5 Years
Included Items	Quick Guide, 2 gang decorator plate cover, RS232 to DP9 breakout cable, 2-pin phoenix connector, 4 mountings screws and a 24V DC power supply with US, EU, UK and AU adapters.

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.

Thank you for your purchase.

For Technical Support please call our toll free number at
800-530-8998 or email us at supportlibav@libav.com

www.libav.com

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