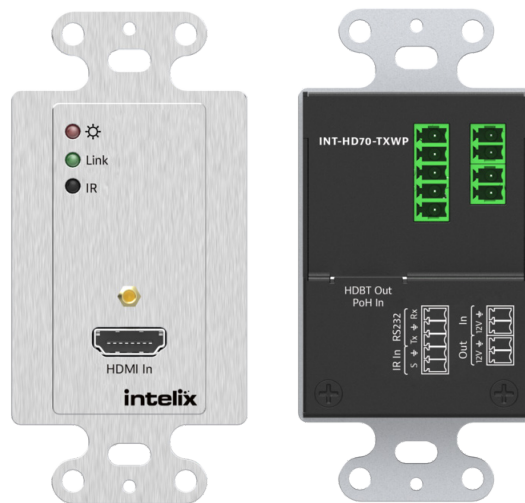




INT-HD70-TXWP Quick Install Guide



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.



Scan QR Code with your Smart-phone or Tablet

Product Overview

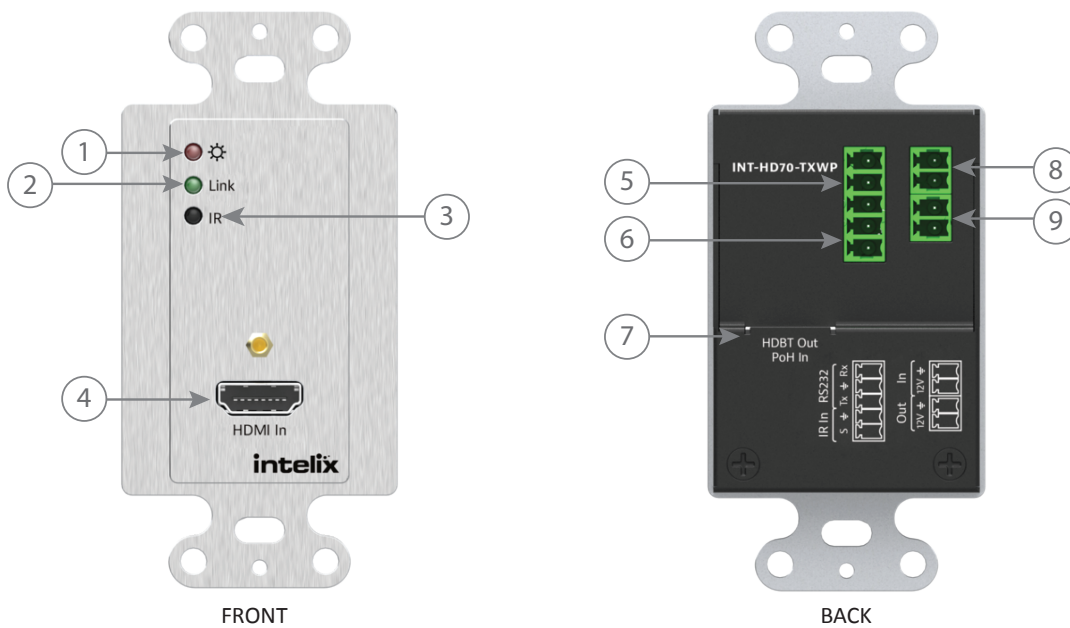
The Intelix INT-HD70-TXWP extends HDMI, IR, and RS232 over a single solid core shielded Category 5e or greater cable using the Valens VS010TX HDBaseT chip. The INT-HD70-TXWP supports 1080p video signal up to 70m and 4K signals up to 4K@60Hz / 4:2:0 / 8 bit color up to 40m. The INT-HD70-TXWP supports CEC pass through and is HDCP 2.2 compliant. 48V PoH built in allows the transmitter to be powered from a compatible Intelix receiver, the transmitter also has 12V DC output for powering 3rd party device nearby.

The INT-HD70-TXWP is compatible with all Intelix HDBaseT product offerings and any product that meets the HDBaseT specifications.

Package Contents

- INT-HD70-TXWP HDBaseT Wall Plate Transmitter
- Quick Install Guide
- (3) 2 pin Phoenix connector
- (1) 3 pin Phoenix connector
- (2) Mounting Screws

Transmitter View



1. **POWER LED** - Illuminates RED when power is applied
2. **LINK LED** - Illuminates GREEN when the transmitter is connected to receiver successfully
3. **IR** - Built in IR sensor / receiver for IR pass through control
4. **HDMI IN** - HDMI input port for connection to HDMI video source
5. **RS232** - 3 pin terminal block for RS232 pass through control
6. **IR IN** - 2 pin terminal block for IR receiver
7. **HDBT OUT / POH IN** - HDBaseT output; RJ45 connection. Supports 48V PoH
8. **DC IN** - 2 pin terminal to connect 12V DC power adapter.
9. **DC OUT** - 2-pin terminal block to connect / power 3rd party device

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-HD70-TXWP and a compatible Intelix HDBaseT receiver. TIA/EIA-568B straight-through wiring connections must be used with all HDBaseT extenders.
4. Connect an HDMI cable and any desired IR or RS232 control accessories between the display and a compatible Intelix HDBaseT receiver.
5. Connect an HDMI cable and any desired IR or RS232 control accessories between the source and the INT-HD70-TXWP transmitter.
6. Connect a power supply to the compatible Intelix HDBaseT receiver, 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-HD70-TXWP 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-HD70-TXWP, 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**

	TIA/EIA-568B	
	Pin 1	Orange/White
	Pin 2	Orange
	Pin 3	Green/White
	Pin 4	Blue
	Pin 5	Blue/White
	Pin 6	Green
	Pin 7	Brown/White
	Pin 8	Brown

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	1080p: 70 meters / 231 feet 4K@60Hz 4:2:0 40 meters / 132 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)	103 mm x 50 mm x 50 mm (4.07 in x 1.9 in x 1.9 in)
Product Weight	180g / 0.39lbs
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	12V DC
Regulatory	CE, FCC, RoHS
Other	
Standard Warranty	5 Years
Included Items	Quick Guide, (3) 2 pin Phoenix connectors, (1) 3 pin Phoenix connector, (2) Mounting screws

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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