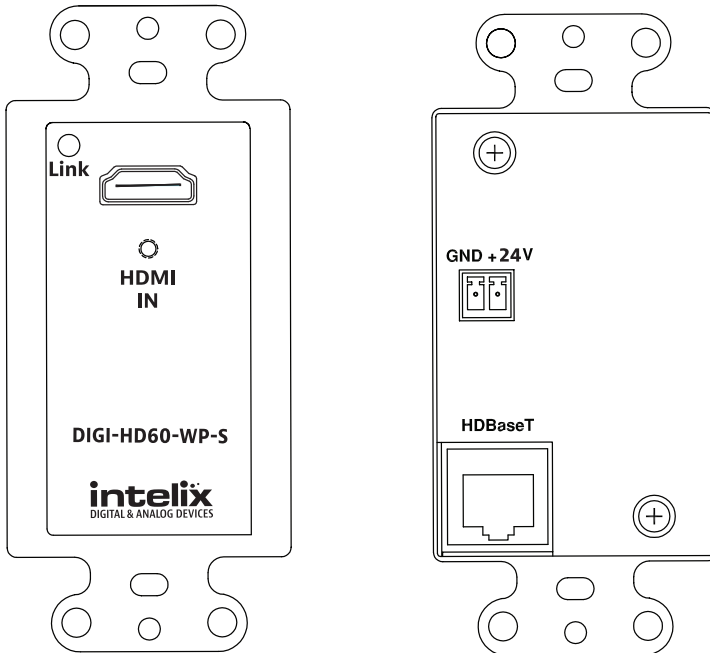


# intelix

DIGITAL & ANALOG DEVICES

## DIGI-HD60-WP-S Installation Guide



### Important notice:

- Do not attempt to disassemble or alter the extender housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.
- To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.
- Do not connect the extender to a telecommunication outlet wired to unrelated equipment. Doing so may damage the unit or any connected equipment. Ensure all connected twisted pair cabling is straight-through (point-to-point).
- Allow proper ventilation to reduce the risk of thermal failure.

The Intelix DIGI-HD60-WP-S extends HDMI over a single twisted pair cable by incorporating HDBaseT technology. The DIGI-HD60-WP-S supports HDCP Encrypted Content & DDC/EDID Transmission. DIGI-HD60-WP-S transmits Ultra HD (4K2K), HDTV Video Resolutions up to 720p/1080i/1080p@60Hz and WUXGA (1920X1200 @60Hz) at distances of 60m (196ft). Diagnostic LED ensure hassle-free and robust installations. Power design allows the units to be powered at the RX end, and pass power upstream to the wall plate.

The DIGI-HD60 series extenders are compatible with all Intelix HDBaseT product offerings and any product that meets the HDBaseT specifications.

### **Diagnostic LED:**

The DIGI-HD60-WP-S provides one LED to indicate the current operating status and to assist troubleshooting an installation.

*Link:* Solid red when powered up. Blinking red/amber when HDBT is connected without video signal. Solid amber when video connection is established.

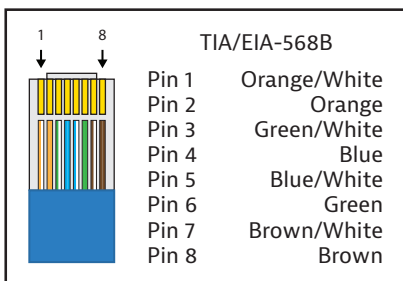
## **Instructions**

*The following instructions describe the installation process for a point-to-point installation. The procedure is similar for compatible HDBaseT components. In the event a compatible HDBaseT product cannot provide power over the HDBaseT cable connection, the DIGI-HD60-WP-S product will require a local power supply.*

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 shielded Category 5e or greater twisted pair cable with RJ45 connectors between the transmitter (DIGI-HD60-WP-S) and the receiver (DIGI-HD60-R). TIA/EIA-568B straight-through wiring connections must be used with all HDBaseT extenders.
4. Connect an HDMI cable between the display and the receiver (DIGI-HD60-R).
5. Connect an HDMI cable between the source and the transmitter (DIGI-HD60-WP-S).
6. Connect the power supply to the compatible receiver.
7. Power on attached audio/video devices.

# Troubleshooting Tips

Symptom	Possible Solutions
<ul style="list-style-type: none"> <li>Power indicator is off.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure that active power is connected.</li> <li>If power is provided by another HDBase-T device, verify twisted pair cable is securely connected to the HDBT port on back of wall plate.</li> </ul>
<ul style="list-style-type: none"> <li>Power indicator is on, but link indicator is off.</li> </ul>	<ul style="list-style-type: none"> <li>Verify CAT5e or greater twisted pair cable is being utilized and terminated with 568B crimp pattern.</li> <li>Test with another twisted pair cable.</li> </ul>
<ul style="list-style-type: none"> <li>Power and link indicator are on, but no video signal is present.</li> </ul>	<ul style="list-style-type: none"> <li>Verify the source is powered on.</li> <li>Test with another HDMI cable. Verify the HDMI cable between the source and the transmitter is less than or equal to 5 meters in length.</li> <li>Test with another HDMI source.</li> <li>Ensure twisted pair cable connections between transmitter and receiver are securely fastened.</li> <li>Turn the power off, then back on to reset the link.</li> </ul>



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

# Technical Specifications

<b>Input/Output Connections</b>	
HDMI	One (1) HDMI Type A Receptacle
Twisted Pair	One (1) 8P8C port (Shielded RJ45)
<b>Supported Audio and Video</b>	
Maximum Video Compatibility at 60 m	Deep Color 36/30/24 Bit at 1080p
Maximum Video Compatibility at 35 m	Deep Color 48 Bit at 1080p, 3D, and 4k x 2k (UHD) up to 30 Hz: RGB, YCbCr 4:4:4, YCbCr 4:2:2; up to 60 Hz: YCbCr 4:2:0
Video Compliance	HDMI, HDCP 2.2, and CEC (Consumer Electronics Control)
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
<b>HDBaseT Signal Characteristics</b>	
Maximum Distance	60 m
Cable Requirements	Solid core shielded Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
Bandwidth	10.2 Gbps
<b>Chassis and Environmental</b>	
Enclosure	Painted steel
Dimensions	45.72mm x 20.82mm x 104.14mm (1.80 in. x 0.82 in. x 4.10 in.)
Shipping Weight	0.22 kg (0.49 lbs.)
Operating Temperature (Environment)	0° to +40° C (+32° to +104° F)
Operating Temperature (Chassis)	0° to +55° C (+32° to +131° F)
Operating Humidity (Environment)	20% to 90%, Non-condensing
Storage Temperature (Environment)	-10° to +60° C (+14° to +140° F)
Storage Humidity (Environment)	20% to 90%, Non-condensing
<b>Power, ESD, and Regulatory</b>	
Maximum Power Consumption	24VDC @ 0.5 Amps (Max.)
ESD Protection	15kV
Regulatory	CE, RoHS, FCC
<b>Other</b>	
Standard Warranty	2 years
Diagnostic Indicators	Link LED
Included Accessories	Installation Guide

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

**intelix**  
DIGITAL & ANALOG DEVICES  
11675 Ridgeline Drive  
Colorado Springs, Colorado 80921  
1-800-530-8998  
supportlibav@libav.com