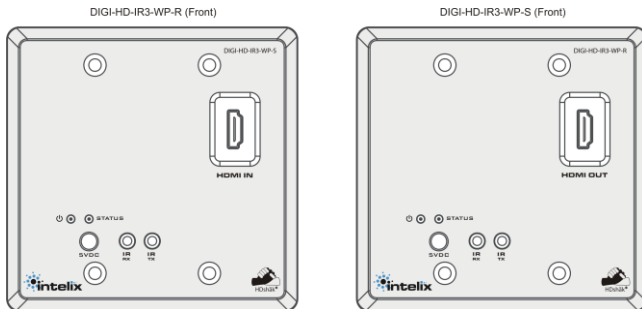


DIGI-HD-IR3-WP Installation Manual



The Intelix DIGI-HD-IR3-WP transmits HDMI and IR up to 300' over two twisted pair cables. In environments with high electromagnetic interference (EMI), shielded twisted pair cable should be used.

Built-in HDshāk® technology provides dynamic HDMI, EDID/DDC and HDCP mode selection, guaranteeing performance and image quality. Plus, onboard HDMI amplification and buffering allows multiple extenders to be daisy-chained for greater distances.

The DIGI-HD-IR3-WP features electrostatic discharge (ESD) protection circuitry which safeguards the HDMI circuit against static electricity and other destructive stray voltage.

Compatible Devices

Compatible Receivers: DIGI-HD-IR3-R, DIGI-HD-IR3-WP-R, *DIGI-HD-IR2-R

Compatible Transmitters: DIGI-HD-IR3-S, DIGI-HD-IR3-WP-S, *DIGI-HD-IR2-S, DIGI-HD-4X2, DIGI-HD-4X4, DIGI-HD-4X8, DIGI-HD-8X8,

*when paired with 2-series extenders, bi-directional IR is not supported; only source-to-display

Maximum Recommended Distances

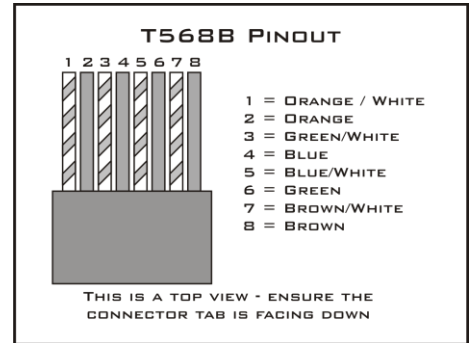
	1080p	1080i	720p	576i/p	480i/p
Cat 6a (shielded)	150'	300'	300'	300'	300'
Cat 6	110'	220'	220'	220'	220'
Cat 5e	100'	200'	200'	200'	200'

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-HD-IR3-WP conforms to HDMI and HDCP specifications.

Intelix does not guarantee operation with devices that do not conform to these specifications. The Intelix DIGI-HD-IR3-WP complies with HDCP standards.

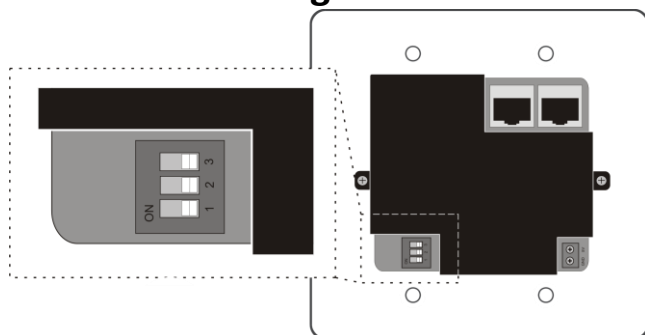


Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.

Instructions

1. Turn off power and disconnect the audio/video equipment by following the manufacturer's instructions.
2. Adjust DIP switches for desired mode.
3. Connect all Cat5e cables (ensure T568B straight-thru wiring).
4. Connect all HDMI cables.
5. Connect power supplies.
6. Power on attached audio/video devices.

DIP Switch Settings



DIGI-HD-IR3-WP-S Transmitter Dip Switch Positions			
SW 1	SW 2	SW 3	Mode
Off	Off	Off	1080p, Stereo Audio
Off	On	Off	1080p, 5.1 Audio
Off	Off	On	EDID Information from DDC
On	Off	Off	Use Copied EDID (Run Mode)
On	Off	On	EDID copy (Acquire and store)
On	On	On	1080i, Stereo Audio

DIGI-HD-IR3-WP-R Receiver Dip Switch Positions			
SW 1	SW 2	SW 3	Mode
Off	Off	Off	Normal Mode
Off	On	Off	Compatibility Mode

***The DIGI-HD-IR3 system must be power cycled for the changes to take effect. Please remove ALL cables from extender, change DIP switches, and then reconnect.**

DIP Switch Settings

1. DIGI-HD-IR3-WP-S
 - a. 1080p, Stereo Audio – The transmitter is preset with EDID for 1080p video and PCM stereo audio.
 - b. 1080p, 5.1 Audio – The transmitter is preset with EDID for 1080p video and Dolby Digital 5.1, DTS 5.1, and PCM stereo audio.
 - c. EDID from DDC – The receiver sends dynamic EDID to the transmitter via the 2nd Cat 5e cable.
 - d. Use Copied EDID (Run Mode) – The transmitter uses custom EDID copied into the transmitter during installation.
 - e. EDID copy (Acquire and store) – Installation only setting used during EDID copy process.
 - f. 1080i, Stereo Audio – The transmitter is preset with EDID for 1080i video and PCM stereo audio.
2. DIGI-HD-IR3-WP-R
 - a. Normal Mode – Factory default works in most applications.
 - b. Compatibility Mode – Certain sources may create an unstable video image. This may include some cable/satellite receivers. Try using this setting if you witness an image that flashes on/off approximately every 2 seconds.

Copying Display EDID

1. Disconnect the transmitter from the source device.
2. Disconnect the receiver from the destination device.
3. Set transmitter DIP switches to EDID Copy mode (On, Off, On)
4. Connect the transmitter to the destination device via an HDMI cable.
5. Connect the 5VDC power supply to the transmitter.
6. The *Status* LED will flash for 2-3 seconds then remain solid. The EDID signals have been copied and stored.
7. Disconnect the transmitter from the destination.
8. Change DIP switch settings to EDID Run Mode (On, Off, Off)
9. Reconnect the transmitter and receiver following normal installation procedures.

Troubleshooting

Symptom	Possible Solutions
No signal	Verify that both ends of the twisted pair cables use 568B crimp pattern.
Status LED is off	Verify HDMI cables and source and destination HDMI ports are operational.
No signal	Verify the power supplies are connected to both the send and receive baluns. Verify the power LEDs on both the send and receive units are brightly illuminated.
Unusual colors in the video	Power off the destination device and power it back on to force renegotiation. Unplug and re-plug the HDMI cable from receive balun to force renegotiation.
No signal	Use shorter runs of twisted pair cabling.
Screen is completely snowy	Drop the HDMI signal to the next lower resolution; i.e., decrease resolution from 1080p to 1080i, etc.
Speckling in the video image	Replace the twisted pair cable with a higher grade twisted pair cable; i.e., replace Cat 5e with Cat 6.
Occasional signal dropouts	
Speckling in the video image	If the destination device is incapable of displaying the video signal, alter the source signal; i.e., decrease resolution from 1080p to 1080i, etc.
Video without audio	Change source device to output PCM other than Bitstream audio Enable PCM down sampling if supported by your source device