

DIGI-HD-IR3 Installation Manual



The Intelix DIGI-HD-IR3 transmits HDMI and bi-directional 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.

The DIGI-HD-IR3 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

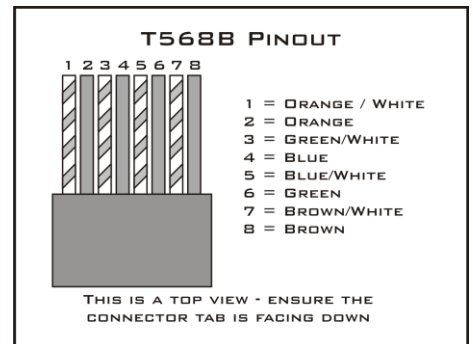
	1080p	1080i	720p	576i/p	480i/p
Cat 6a (shielded)	150'	300'	300'	300'	300'
Cat 6	110'	220'	220'	220'	220'
Cat 5e	100'	200'	200'	200'	200'

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 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.

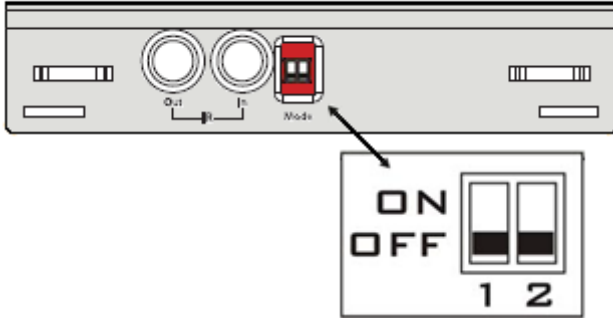


Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.

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/Cat6 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 Transmitter Dip Switch Positions		
SW 1	SW 2	Mode
Off	Off	Read EDID data from displays
Off	On	1080p with multi-channel audio
On	Off	1080p with stereo audio
On	On	No function

DIGI-HD-IR3 Receiver Dip Switch Positions		
SW 1	SW 2	Mode
Off	Off	Normal Operation
Off	On	Compatibility Mode
On	Off	Compatibility Mode
On	On	No function

*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.

Troubleshooting

Symptom	Possible Solutions
No signal Status LED is off	Verify that both ends of the twisted pair cables use 568B crimp pattern. 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 Screen is completely snowy Speckling in the video image Occasional signal dropouts	Use shorter runs of twisted pair cabling. Drop the HDMI signal to the next lower resolution; i.e., decrease resolution from 1080p to 1080i, etc. Replace the twisted pair cable with a higher grade twisted pair cable; i.e., replace Cat 5e with Cat 6. Set the receive extender dipswitches to compatibility mode.
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