

DIGI-HD-COAX Installation Manual



Simplify installations with Intelix DIGI-HD-COAX extenders. The first of its kind, the Intelix DIGI-HD-COAX transmits high-definition HDMI signals over a single coaxial cable.

Designed for demanding commercial and residential audio-visual applications, the DIGI-HD-COAX employs Intelix's industry-leading HDMI processing to ensure audio and video perform flawlessly up to 675 feet using RG6 or RG59. Plus, built-in 1x2 distribution amplifiers split video signals to two independent outputs, thereby allowing dual distribution systems and/or daisy-chaining.

Both the transmitter and receiver include two BNC to F adaptors, ensuring compatibility with different cable terminations.

Finally, HDMI meets install.

	1080p	1080i	720p
RG6*	300'	675'	675'
RG59*	250'	675'	675'

*75 ohm cabling

Caution: 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.

Instructions

1. Power off the source and destination devices which will be connected to the extenders.
2. Verify the outlets and cross connects to which you will connect the DIGI-HD-COAX are configured properly and labeled appropriately to identify the circuit.

Caution: To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.

3. Connect the transmitter (DIGI-HD-COAX-S) to the HDMI port of the source device.
4. Connect one end of the coaxial cable to the transmitter via *Coax Out A*. If necessary, attach the BNC-to-F adaptor to change the connector type.
5. Connect the receiver (DIGI-HD-COAX-R) to the HDMI port on the destination device.
6. Connect the other end of the coaxial cable to the receiver. If necessary, attach the BNC-to-F adaptor to change the connector type.
7. If necessary, connect additional receivers and destination equipment via *Coax Out B* on the transmitter and/or *Loop Out* on the receiver.
8. Connect the 5V power supply to the transmitter.
9. Connect the 5V power supply to the receiver(s).
10. Power on the destination equipment.
11. Power on the source equipment.

Troubleshooting

If your equipment malfunctions with the DIGI-HD-COAX extenders in place, follow the troubleshooting procedures below:

1. Perform diagnostics on your equipment by following the manufacturer's instructions.
2. Power cycle the source and destination devices.
3. Power cycle the DIGI-HD-COAX transmitter and receiver.
4. Connect the source and destination devices directly together to verify proper operation.
5. Check all connections and the coaxial cabling system.
6. The maximum operational distances over which the DIGI-HD-COAX can be transmitted is dependent on the equipment and cabling. Ensure that the maximum recommended operational distances have not been exceeded.
7. Replace the DIGI-HD-COAX with another DIGI-HD-COAX set that is known to be working.

Technical Specifications

Video Bandwidth	2.97 Gb/s
Max Links	5
Operating Temp Range	32 to 104 degrees F 0 to 40 degrees C
Operating Humid Range	10 to 85% non-condensing
Supported Video Resolutions	720p, 1080i, 1080p
Supported Audio Resolutions	8, 10, 12 bits per channel Dolby TrueHD 7.1, Dolby TrueHD 5.1, Dolby Digital 5.1 DTS-HD Master Audio 7.1, DTS-HD Master Audio 5.1, DTS 5.1, PCM 2.0, PCM 5.1
Max Power Consumption	5 watts
Power	5 VDC / 2A
Regulatory Compliancy	CE, RoHS
Shipping Weight	HDMI 1.3, HDCP 1.1
Intelix Part Numbers	2.1 lbs. Transmit: DIGI-HD-COAX-S Receive: DIGI-HD-COAX-R
Warranty	2 years

