

HDMI Over Coax Extender with Bi-Directional IR

XTENDEX®

Extend HDMI, multi-channel audio, and bi-directional IR over single RG6 coaxial cable up to 984 feet.

- Transmits an HDMI signal over one coaxial cable.
- Supports HDTV resolutions to 1080p.
 - Refer to the resolution chart in the specifications section for resolutions using different coaxial cable lengths.
- Supports HDMI features.
 - 12-bit Deep Color
 - x.v.Color
 - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, DTS, LPCM 7.1, and LPCM 2.
 - Bandwidth up to 225 MHz (6.75 Gbps)
 - Lip Sync
- HDCP compliant.
- Built-in EDID table.
- Bidirectional IR control of source and display.
- Integrated mounting brackets for easy surface/wall mounting.



HDIR-COAX (Front & Back)

- **Extend HDTV 1080p 60Hz video up to 328 feet 100 meters)**

The XTENDEX® HDMI Over Coax Extender transmits uncompressed HDMI signals and bi-directional IR up to 984 feet (300 meters) using one RG6 coaxial cable or 672 feet (205 meters) using RG59 coaxial cable. Each video extender consists of a local unit that connects to an HDMI source and a remote unit that connects to an HDMI display.

Specifications

Local Unit

- Compatible with a computer or HDTV video source with HDMI output.
- One female HDMI connector.
- Two female 3.5mm ports for IR transmitter/receiver
 - IR frequency range: 20 to 60 KHz.
- One female BNC connector for sending/receiving high definition video/audio signals, IR signal, and DDC signal.

Power

- Local and remote unit:
 - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter. (US AC adapter included.)
- Optional universal power plug adapters available (not included).
 - Output: 5VDC, 2.0A

Dimensions

- WxDxH (in): 3.46x3.74x1.18 (88x95x30 mm).

Environmental

- Operating temperature: 32 to 131°F (0 to 55°C)
- Storage temperature: -4 to 185°F (-20 to 85°C)
- Operating/storage relative humidity: up to 95% non-condensing RH.

Remote Unit

- One female HDMI connector for display.
- Two female 3.5mm ports for IR transmitter/receiver
 - IR frequency range: 20 to 60 KHz.
- One female BNC connector for sending/receiving high definition video/audio signals, IR signal, and DDC signal.
- Supports HDTV resolutions to 1080p.
- Supports embedded digital audio through HDMI compatible TVs or audio receivers.

Regular Approvals

- CE, RoHS
- TAA compliant

Cables Distances and Resolutions

Distances & Resolutions for RG6/RG59 Coaxial Cables		
Cable	Distance	Maximum Resolutions
RG6	328 feet (100 meters)	1080p@60Hz
	656 feet (200 meters)	720p, 1080i, 1080p@24/25/30Hz
	984 feet (300 meters)	480i, 576i
RG59	246 feet (75 meters)	1080p@60Hz
	426 feet (130 meters)	720p, 1080i, 1080p@24/25/30Hz
	672 feet (205 meters)	480i, 576i

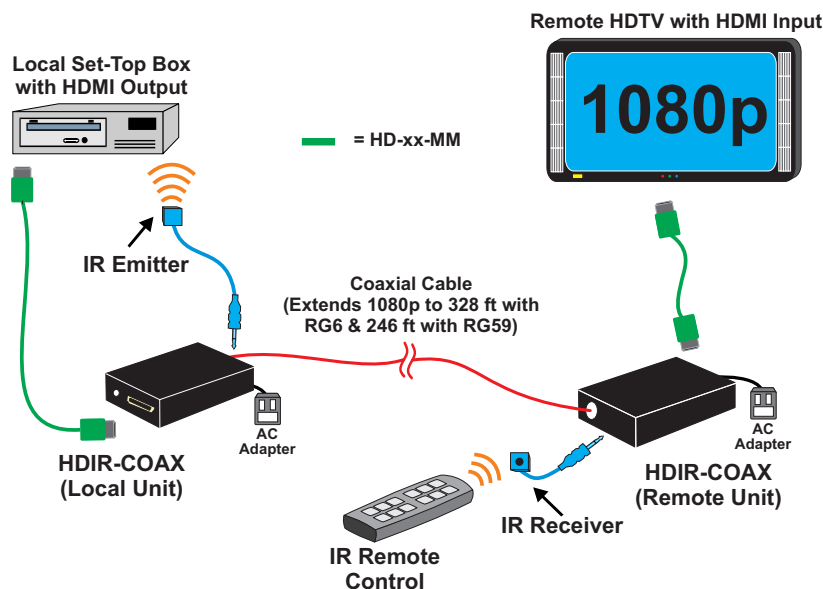
Cables

- Use high quality 75 Ohm RG6/RG59 coaxial cable with BNC connectors (not included).
- Use HD-xx-MM cable to connect an HDMI source or display up to 50 feet away from the transmitter/receiver (not included).
- IR emitter and receiver cables included.

HDMI Over Coax Extender with Bi-Directional IR XTENDEX®

Extend HDMI, multi-channel audio, and bi-directional IR over single RG6 coaxial cable up to 984 feet.

Configuration and Cable Illustrations



How to extend HDMI, multi-channel audio, and bi-directional IR over single RG6 coaxial cable up to 984 feet.
Extends HDTV 1080p 60Hz video up to 328 feet (100 meters)