

ENFORCER®

ENHANCED Extenders for HDMI over Single Cat5e/6

Manual



MVE-AT11-01NQ



MVE-AT11-W1NQ

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE	Up to 230ft (70m) 1080p Resolution	1 Cat5e/6 Single Cat5e/6	IR IR Pass-Through	3D Support	4K Support
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MVE-AT11-01NQ	Extender for HDMI over Cat5e/6
MVE-AT11-W1NQ	Wall-plate Extender for HDMI over Cat5e/6

- Extend HDMI signals up to 230ft (70m) at 1080p over a single Cat5e/6 cable
- Plug and play operation – comes as a complete set
- Choose from either a tabletop model (MVE-AT11-01NQ) or a double-gang wall-plate model (MVE-AT11-W1NQ)
- The tabletop and wall-plate models are compatible with each other. Mix and match the transmitter from one model to the receiver of the other.

Introduction:

The ENFORCER Enhanced Extenders for HDMI over Single Cat5e/6 extend the range of HDMI signals by using an active transmitter and receiver to send video and audio over a single Cat5e/6 cable. 1080p HDMI Signals can be transmitted up to 230ft (70m) between the two units with zero signal loss. The extender supports IR signals using the included adapters, allowing the user to use a remote control from one end of an installation to control a device such as a TV or media player at the opposite end of the installation.

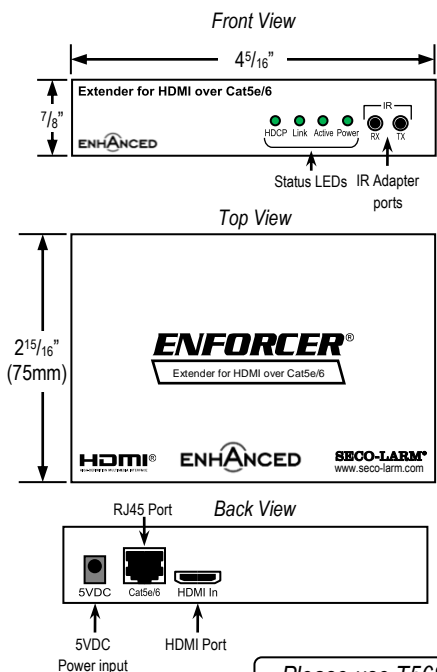
Features:

- **Signal Strength** – Active operation ensures that the signal strength will remain strong over the length of the cable.
- **Distance** – The Enhanced Extenders for HDMI over Single Cat5e/6 can transmit a clear HDMI signal up to 230ft (70m).
- **Formats Supported** – The Enhanced Extenders for HDMI over Single Cat5e/6 support both progressive and interlaced formats: 1080p/1080i/720p/576p/576i/480p/480i.
- **Plug and Play** – The Enhanced Extenders for HDMI over Single Cat5e/6 come as a complete set consisting of a transmitter, receiver, power supplies, and IR adapters. No adjustments or settings need to be made. The unit is ready to use right out of the box.
- **Zero Signal Loss** – Integrated circuits in the transmitter and receiver clean, buffer, and amplify the HDMI signal. This prevents signal loss and ensures a clear signal regardless of the length of the cable up to the maximum range.
- **Connect Multiple Units** – Repeat up to four sets to extend HDMI range up to 918ft (280m).
- **Mix and Match** – The tabletop and wall-plate models are compatible with each other. Connect a transmitter from one model to the receiver of another.

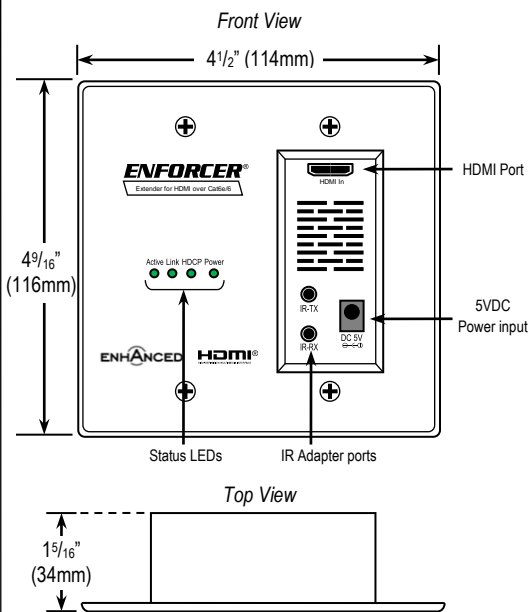
Specifications:

Input video signal	0.5~1.0 Vp-p	
Input DDC signal	5Vp-p (TTL)	
Maximum single link range	1920x1200, 1080p	
Deep color	36-bit	
Video formats supported	High-speed HDMI with 3D, HDCP 1.2	
Audio formats supported	LPCM, Dolby-AC3, DTS 7.1, DSD	
Output video	HDMI	
Resolutions supported	1080p/1080i/720p/576p/576i/480p/480i	
Range – 1080p	Cat6: Up to 230' (70m)	
Video amplifier bandwidth	10.2Gbps	
Cat5e/6 Wiring standard	T568-B	
Operating voltage	5VDC	
Power supply	2A@5VDC (2 adapters) (2.1mm plug)	
Current draw	Transmitter	450mA@5VDC
	Receiver	900mA@5VDC
Operating temperature	5°~131° F (-15°~55° C)	
Operating humidity	5~90% RH (no condensation)	
Dimensions	MVE-AT11-01NQ	4 ⁵ / ₁₆ "x2 ¹⁵ / ₁₆ "x7 ⁷ / ₈ " (110x75x23mm)
	MVE-AT11-W1NQ	4 ¹ / ₁₆ "x4 ¹ / ₂ "x5 ⁵ / ₁₆ " (116x115x34mm)
Weight	MVE-AT11-01NQ	9.2-oz (260g)
	MVE-AT11-W1NQ	9.3-oz (264g)

Overview: MVE-AT11-01NQ



MVE-AT11-W1NQ



Please use T568-B wiring standard.

Note: Only transmitters are shown above. The transmitters and receivers have the same dimensions and similar parts.

Status LED Chart:

	Steady ON	Flashing	OFF
Active	N/A	Unit is working	Unit is not working/powerd
Link	Connection OK	Check connection	Not connected
HDCP	Video has HDCP	Video does not have HDCP	No video
Power	Power ON	Check power	Power OFF

Parts List

- 1 x Transmitter
- 1 x Receiver
- 2 x 5VDC Power adapters
- 1 x IR Transmitter
- 1 x IR Receiver
- 1 x Manual

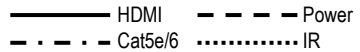
Installation:

1. Determine where the transmitter and receiver will be wired as well as how much Cat5e/6 cable will be necessary.
2. Connect the HDMI cable to both the transmitter and the source device.
3. Connect the HDMI cable to both the receiver and the display.
4. Connect the Cat5e/6 cable to both the receiver and transmitter units.
Note: For best results, use Cat6 cable.
5. Connect one 5VDC adapter to the transmitter and another to the receiver.
6. Determine which device, if any, will be controlled by the remote control. Install the IR transmitter to the IR-TX port of the closest extender unit, pointing the IR transmitter at the device. Install the IR receiver to the IR-RX port of the other extender unit. Point the remote control at the IR receiver when in use.
7. **MVE-AT11-W1NQ Only:** Install the MVE-AT11-W1NQ using a standard double-gang box.
8. Switch on the HDMI source and display to verify that the system is functioning properly.

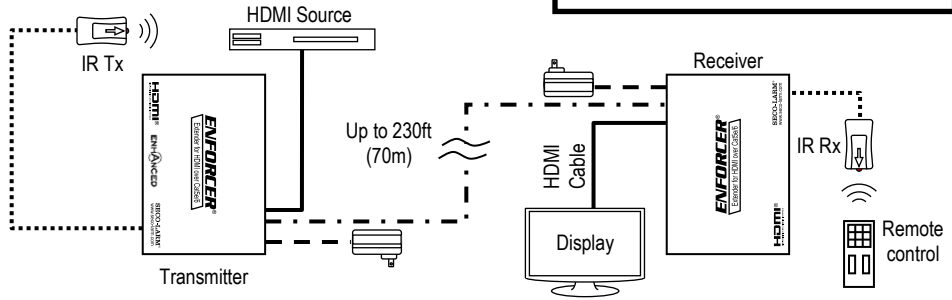
ENFORCER Enhanced Extenders for HDMI® over Single Cat5e/6

Sample Application:

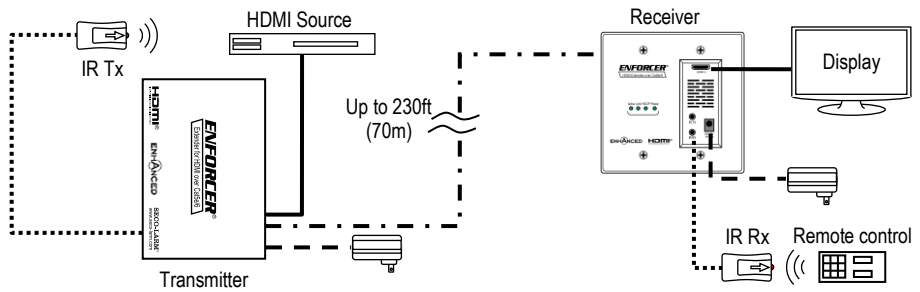
Cable Legend:



Standard installation of MVE-AT11-01NQ



Installing MVE-AT11-01NQ transmitter with MVE-AT11-W1NQ receiver



Troubleshooting:

HDMI device does not function correctly

- Use T568-B wiring standard
- Make sure the extender is powered on both sides.
- Make sure the source and the display are powered.
- Test the Cat5e/6 cable between the receiver and transmitter and make sure it is functional.
- Make sure that there are no problems with the HDMI source, HDMI cables, or HDMI display by plugging the source directly into the display using an HDMI cable
- Make sure that the transmitter and receiver are plugged into the correct units
- Make sure the HDMI source is compatible with the HDMI display.

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This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair, or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship.

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