

HDMI 1.2 CAT5E/6 EXTENDER USER MANUAL

MODELS 177269
& 177276

Model 177269



Model 177276


MANHATTAN[™]

Thank you for purchasing this MANHATTAN® HDMI 1.2 Cat5e/6 Extender, Model 177269 (50 m) or Model 177276 (30 m).

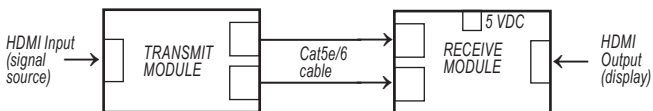
With this convenient device, you can easily extend HDMI signals with more versatile and more pliant Cat5e/6 cables (instead of HDMI cables) for longer-distance transmissions. Using this manual for reference, you'll soon be enjoying the benefits of these features:

- Delivers a sharp, clear signal from DVD and Blu-ray players, set-top boxes, satellite receivers and other sources
- Fully HDCP compliant to protect high-definition content transmission and ensure quality reception
- Supports video amplifier bandwidth up to 1.65 Gbps for 1080p display
- Easy to install — requires no configuration
- Lifetime Warranty

Package Contents

- HDMI Extender (receive and transmit modules)
- Power adapter and user manual

CONNECTIONS



1. Connect the HDMI cable from your sending unit / signal source (such as HD-DVD, PS3 or a set-top box) to the HDMI Input jack on the transmit module of the HDMI 1.2 Cat5e/6 Extender.
2. Use your Cat5e/6 cable to connect the matching jacks on the transmit and receive modules of the HDMI 1.2 Cat5e/6 Extender (Cat5e-1 to Cat5e-1; Cat5e-2 to Cat5e-2). **NOTE:** Refer to Specifications/ General for effective cable lengths.
3. Connect the HDMI cable from your receiving unit / output (such as an LCD TV) to the HDMI Output jack on the receive module.
4. Plug the included power adapter into the DC jack on the extender.

Connection Tips

- Use shielded (vs. unshielded) Cat5e/6 cables to ensure the highest possible transmission quality.
- Always connect and remove cables gently to prevent damage.
- Avoid using HDMI cable longer than 2 m (6 ft.) to connect either the sending device to the transmit module or the receiving device to the receive module.
- For optimal quality, use Cat6 cable no longer than what's listed in Specifications/General.
- Prior to installation (or should a problem arise with signal reception), check all cables and connectors for damage, and ensure power is on to all relevant units.

SPECIFICATIONS

Standards & Certifications

- HDMI 1.2a, HDCP 1.0 / 1.1, DVI 1.0, CE, FCC, UL

General

- Model 177269:
 - Cat6 cable 1080p at 50 m (approx. 165 ft.)
 - Cat6 cable 480p at 100 m (approx. 330 ft.)
- Model 177276:
 - Cat6 cable 1080p at 30 m (approx. 100 ft.)
 - Cat6 cable 480p at 60 m (approx. 200 ft.)
- Power: 5 V DC / 2 A; cable with ferrite core, 1.2 m (4 ft.)

Connections

- (1) HDMI female (input/output)
- (2) RJ45 female (output/input)

Signal Input/Output

- Input video signal: 0.5 – 1.0 V p-p
- Input DDC signal: 5 V p-p (TTL)
- Maximum single-link range: 1920 x 1200, 1080p
- Output video: HDMI 1.2a, HDCP 1.0 / 1.1, DVI 1.0
- Frequency: 1.65 Gbps / 140 MHz

Video Resolutions

- VGA: 640 x 480, 800 x 600, 1024 x 768, 1920 x 1200
- DTV/HDTV: 480i/480p/576i/576p/720p/1080i/1080p

Physical

- Dimensions: 45 x 25 x 81 mm (1.7 x 1 x 3.2 in.)
- Weight: 246 g (8.6 oz.)



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