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Connectivity Company

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CHE-HDBTWP230RX

HDMI Extender Receiver over CAT5



User's Manual

Please note: It is strongly recommended to use the proper type of cables and display devices that are capable of handling the resolution and refresh rate selected. Low-quality cables can elevate noise levels and degrade output signals.

CE FC RoHS

Package Contents

- HDMI Extender Receiver Unit x1
- Power Adapter (Set / Pc) x1
- User's Manual x1
- Grounding Wire x1

Features

- Send HDMI signal to a display over CAT5e/6 cable of up to 70 meters
- Transmit full uncompressed HD video and audio over cable
- Extend units via CAT5e/6/6a (and up) cable
- HDTV, 3D HDTV compatible
- HDCP compliant and Blu-ray ready
- Supports Deep Color and HD Audio formats
- Supports Bi-Directional Power; either Wall-plate (TX) or RX
- Compact size. Easy to set up; simple to install
- Ideal for conference rooms, classrooms, digital signage, etc.

1. Product Description



R1	RJ-45 Jack	Use a CATx cable for connection between two units
R2	HDMI connector	[R2] Connect to an HDMI display
R3	LED Indicator	[R3] <u>Red</u> : Power on / <u>Blue</u> : Link OK
P	Power Supply	Apply power to either one end of two units

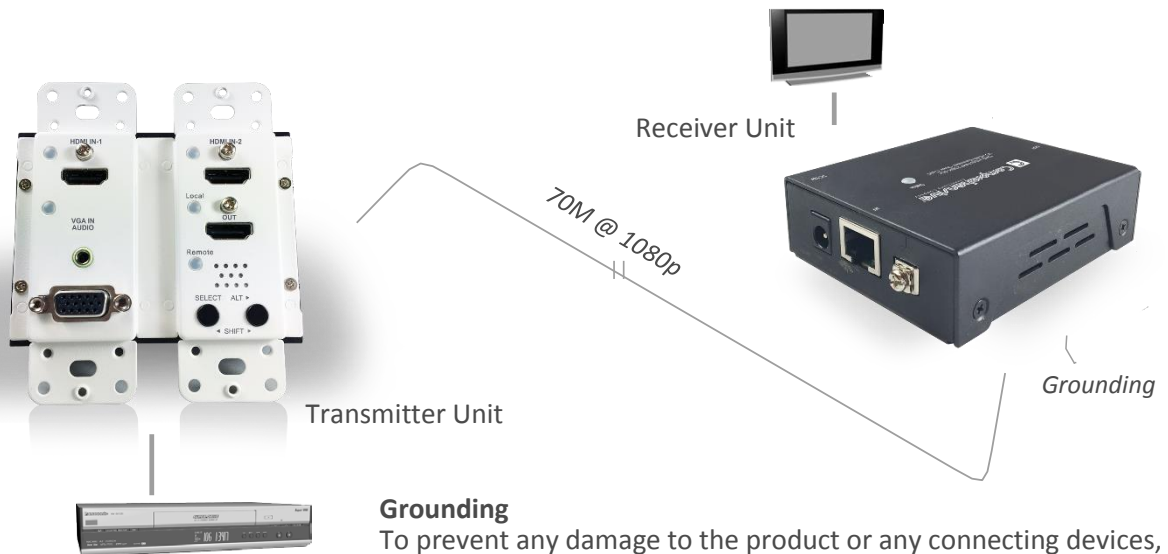
2. LED Indicators

LED Status
Power ON: Green/Link OK: Blue
Power ON: Red/Link OK: Blue

NOTE:

1. The System will disable the video output signal when it detects non-HDCP compliant display(s) when playing the HDCP video source. **All the connected output displays MUST be HDCP compliant, when the video source is HDCP compliant.**
2. The quality of the output signal will depend largely upon the quality of video source, cable and display device used. Low-quality cables degrade the output signal causing elevated noise levels. Use the proper cable and make sure the display device can handle the resolution and refresh rate selected.

3. Connection Pattern



Grounding
 To prevent any damage to the product or any connecting devices, and to improve audio/video signal quality, it is important to make sure that the extender systems are properly grounded.

4. Specifications

Input → Output	RJ-45 → HDMI
LED (Link / Video status)	x 1 (Dual Color)
Video Resolution (max.)	Full HD (1080p@60Hz) (1080i@60Hz for EVBM-M102)
Extension Distance	70M (1080p), 35M (4K x 2K)
Power Supply	DC 12V (Phantom Power)
Enclosure	Metal
Weight (lbs.)	0.43
H x W x D (in.)	0.98 x 2.6 x 3.1

*Above video resolution and extension distance are based on a single CAT5e/6 24AWG solid cable without cascade. STP cabling is recommended for environments with high EMI or RFI. For the best performance results, using stranded cabling or other thinner cables, and coiling of excess cable lengths should be avoided.



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