

Wall Plate HDMI & IR Repeater CAT5 Extender

ITEM NO.: HW01 Wall Plate HDMI & IR Repeater CAT5 Extender

HW01 Wall Plate HDMI with IR repeater CAT5 extender is designed to use two low cost CAT5E cable to extend HDTV sources from DVD players, Blu-ray Disc player PS3. With extra embedded IR receiving and emitting units for easy and friendly control HDMI sources from the remote site.

HW01 Wall Plate HDMI & IR Repeater CAT5 Extender

- Extends HDMI and IR signal over two CAT5/5e/6 cables.
- Transmission range up to 70M at 1080i, 30M at 1080p resolution.
- Embedded IR control path.
- Including local and remote unit.
- External power supply requested at remote unit.
- Hi quality digital video and audio over CAT5 without any signal loss.
- HDMI 1.2 compliant.
- Fully HDCP compliant.

Panel view & Function:



Cable:

Video Link cable using hi quality CAT5E UTP or CAT5E STP cable,
Data Link cable using CAT5E UTP/STP cable,
It is not hi speed signal transmission, so using regular CAT5E UTP cable will be ok.

Transmission Range:

The transmission range will be based on the cable quality and HDMI equipment.
Use CAT5E UTP cable up to 30M@1080p.
Use CAT6 UTP cable up to 35M@1080p.
Use CAT5E UTP cable up to 70M@1080i/720p.

RJ45 pin Define:**Video Link (TIA/EIA-568-B)**

1. Orange-white	DATA2+
2. Orange	DATA2-
3. Green-white	CLOCK+
4. Blue	DATA1+
5. Blue-white	DATA1-
6. Green	CLOCK-
7. Brown-white	DATA0+
8. Brown	DATA0-

Data Link (TIA/EIA-568-B)

1. Orange-white	Reserve
2. Orange	GND
3. Green-white	DDC SCL
4. Blue	Reserve
5. Blue-white	Reserve
6. Green	DDC SDA
7. Brown-white	HDMI +5V
8. Brown	Hot Plug Detect

HW01R Status LED:

[OFF]	No power or power source is too low
[Blue]	Power source from external power adapter
[Red]	Power source from HDMI Source
[Flicker]	No video signal

Caution:

The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

Trouble shooting:**No Picture:****Check LED**

[OFF]	Check Power Adapter.
[Blue]	Check Video Link Cable Length & Quality. Check Video & Data Cable Connect. Check HDMI Cable Connect.
[Red]	Check Video Link Cable Length & Quality. Check Video & Data Cable Connect. Check HDMI Cable Connect. Add external power Adaptor at remote unit.
[Flicker]	Check Link Cable Connect, Check HDMI Cable Connect.

Picture with noise: Noise (signal too weak or low power)
check Video Link Cable Connect \ Length \ Quality.
Add external power adaptor at remote unit.

Picture disappear: (signal too week or with interference)
Check Video Link Cable Connect \ Length \ Quality.
Cabling away from EMI interference source.

Installation view:**Specification:**

ITEM NO.	HW01T	HW01R
Resolution	480i/480p/720p/1080i/1080p	
Link Cable Distance	CAT5E 70M@1080i , CAT5E 30M @1080p	
HDMI Cable Distance	28 AW HDMI Cables 5M @1080p	
HDMI Connector	HDMI A Type x 1 (Input)	HDMI A Type x 1 (Output)
3.5 mm Connector	IR emitter	IR receiver
Link Connector	RJ-45 Shielded x 1	RJ-45 Shielded x 1
IR remote contrl	Electro-optical characteristics: 25° Carrier Frequency: 38Khz	
Power Consumption	X	5V 250mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
DIMENSIONS W x H x D mm	43 x67 x 27	61x67x27
Weight	105g	130g