

HDMI 4K Cascading Extender with PoC

AVLINK®



HDM-GLNW (Local)



HDM-GRNW (Remote)

USER MANUAL HDM-GENW / HDM-GRNW HDM-GENW2

V1.1

Product Introduction

HDM-GENW is an HDMI/4K cascading extender with a PoC function, which can extend HDMI signals up to 50 meters via a single CAT 5e / 6 cable. The resolution supports up to 4K/60Hz (4:4:4). It can be extended through the multi-level connection of the receiving end, and it can also realize a transmitter and multiple receivers do not need to go through the switch. It is widely used in computer teaching systems, high-quality multimedia displays, video conferences, digital home cinema, exhibitions, education, finance, scientific research, meteorology, and other fields.

Features

- Extender 4K/60Hz 4:4:4 HDMI to 50 meters over a Cat. 5e/6 cable
- Multi-receiver Cascade: Cascade to 2 levels for 4K/60Hz sources, or 4 levels (Max.) for 4K/30Hz sources
- Support Power over Cable (PoC)
- HDCP 2.2 /1.4 compliant
- HDMI Local Loopback: Local Loop on the transmitter (Local / HDM-GLNW) to monitor real-time streaming content on the receiver side (Remote / HDM-GRNW)
- Support all frequency band IR control
- The wall-mountable design

Package Contents-

HDM-GENW:

- 1 x HDM-GLNW and 1x HDM-GRNW
- 1 x IR Blaster and 1 x IR Receiver
- 1 x DC 12V 2A with Locking Jack

HDM-GRNW:

- 1 x HDM-GRNW
- 1 x IR Receiver
- 1 x DC 12V 2A with Locking Jack

HDM-GENW2:

- 1 x HDM-GLNW and 2 x HDM-GRNW
- 1 x IR Blaster and 2 x IR Receiver
- 2 x DC 12V 2A with Locking Jack

If anything is missed, please contact your vendor.

Specifications

Function	HDM-GLNW	HDM-GRNW
Cable Distance	50M (CAT6)	
HDCP version	HDCP 2.2 (Downward Compatible)	
Max. Resolution	4K/60Hz (YCbCr 4:4:4)	
HDMI Input Connector	1 A Type Female	None
HDMI Output Connector	1 A Type Female	1 A Type Female
LINK	RJ-45 Connector x 1	RJ-45 Connector x 2
IR IN	None	3.5 Stereo Jack x 1
IR OUT	3.5 Stereo Jack x 1	None
Power Adapter (Min.)	DC 12V 2A (Locking Jack)	
Power Consumption (with PoC)	HDM-GLNW x 1 + HDM-GRNW x 1: 5.4W (Max.)	
	HDM-GLNW x 1 + HDM-GRNW x 2: 10.2W (Max.)	
Housing	Metal	
Weight	665±2 g	
Dimensions (L x W x H)	155 x 78 x 26 mm	

Front View

HDM-GLNW

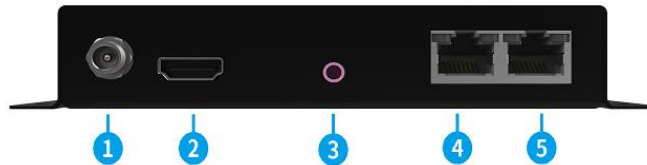


1. DC 12V
2. HDMI IN
3. LOOP OUT
4. LINK OUT

LED Indicator	Status	Description
Yellow	Solid	The chip is working.
Green	Blinking	The HDMI signal is inputting.

5. IR OUT

HDM-GRNW



1. DC 12V
2. HDMI OUT
3. IR IN
4. LINK IN

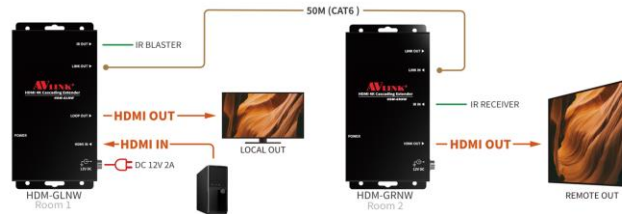
LED Indicator	Status	Description
Yellow	Solid	The chip is working
Green	Blinking	The signal from the previous-level unit is working.

5. LINK OUT

LED Indicator	Status	Description
Yellow	Blinking	The display device is connected.
Green	Solid	The output signal is working.

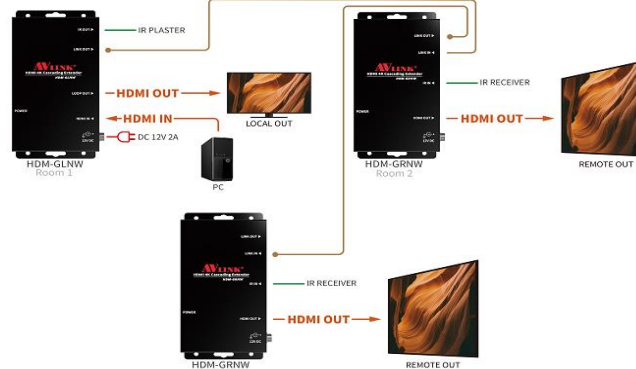
Diagram

- (1) Point-to-point connection, using a single CAT5e / 6 cable extension up to 50 meters.



- (2) Multi-receiver Cascade

- Cascade to 2 levels (HDM-GENW: 1 x HDM-GLNW + 2 x HDM-GRNW) with a PoC function and support video resolutions up to 4K/60Hz.



- Cascade to 4 levels (Max.) (1 x HDM-GLNW + 4 x HDM-GRNW with power adaptor / each unit) and support video resolutions up to 4K/30Hz.



※Precautions※

- Please note that the resolution used by the product cannot exceed the product parameters.
- It is recommended to use shielded network cables in poor environments.
- The input and output HDMI cables cannot exceed 3 meters.
- The input voltage cannot exceed 12V when using the supplied adapter.

IR Receiver Cable Directions:

Put it into the HDM-GRNW "IR IN" port and place the IR Receiver Cable, so that you can point to it easily with your IR remote controller.



IR Blaster Cable Directions:

Plug the IR blaster cable plug into the HDM-GLNW "IR OUT" port. It sits in front of the DVD receiver's IR sensor, which is located on the front panel.



© AV LINK GROUP LTD., All rights reserved.

Trademarks:

All the companies, brand names, and product names referred to in this manual are trademarks or registered trademarks belonging to their respective companies.