

# HDMI EXTENDER

## AVLINK™



**HX-RUW2  
(Remote)**

## USER MANUAL HX-RUW2

V1.0

### Package Contents-

- 1x HX-RUW2 Remote Unit
- 1 user manual
- 1x Power adapter DC 12V with lock
- 1x IR Blaster Cable
- 1x IR Receiver Cable
- 2x screws
- 4x foot pads

Any thing missed, please contact with your vendor.

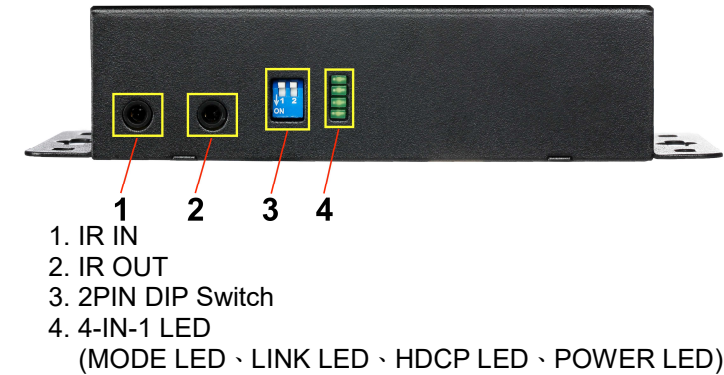
## Features

- Through the HDMI Extender, you can use one source device (HDBaseT output port) to display.
- Extension of HDMI signal up to 100/70 meter on HDTV
- HDCP Compliant
- Supports 3D pass-through
- Supports all frequency band IR control
- One CAT.5e/ CAT.6 cable extension
- Supports resolution up to 4Kx2K
- HDBaseT technology
- Use CAT.5e/ CAT.6 cable to install easily

## Specifications

Function	HX-RUW2
HDMI Out Connector	HDMI A-Type Female x 1
RJ-45 Connector	1
IR IN	3.5 $\phi$ Stereo Jack x 1
IR OUT	3.5 $\phi$ Stereo Jack x 1
Max. Resolution	4Kx2K
Cable Distance	100 m
Power Adapter (Min.)	DC 12V with lock
Housing	Metal
Weight	315g
Dimensions (LxWxH)	150x80x35 mm

### REMOTE FRONT VIEW

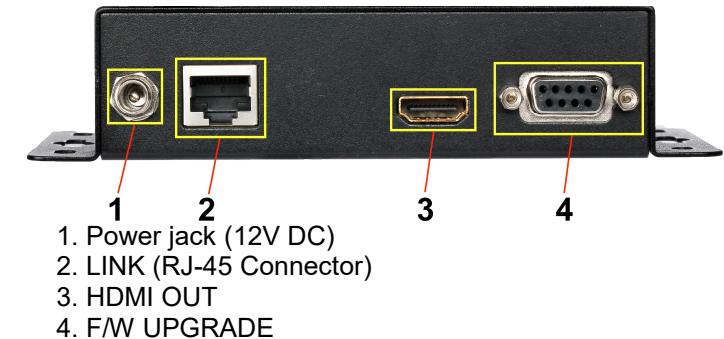


### DIP SWITCH SETTING

Select RS-232 or F/W upgrade mode:

1	2	Mode
OFF	NC	RS-232
ON	NC	F/W upgrade

### REMOTE REAR VIEW



## Installation

1. Turn off the source device and HDTV.
2. Connect the HDMI extension cable between the HDTV and the "HDMI OUT" port of HX-RUW2.
3. Connect the CAT.5e/ CAT.6 cables between the source device and the HX-RUW2 "LINK" port of extender.
4. Connect the power cord and turn on the extender.
5. Turn on the source device (equipment) and HDTV.

## IR Receiver Cable Directions:

Put it into the HX-RUW2 “IR IN” port and place the IR Receiver Cable, so that you can point to it easily with your IR remote controller.

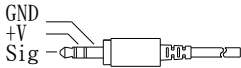
## IR Blaster Cable Directions:

Plug IR blaster cable plug into HX-RUW2 “IR OUT” port, It sits in front of the device (equipment) receiver’s IR sensor, which is located on the front-panel.

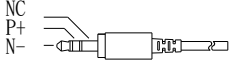
## Additional Options

Select any additional options you may require.

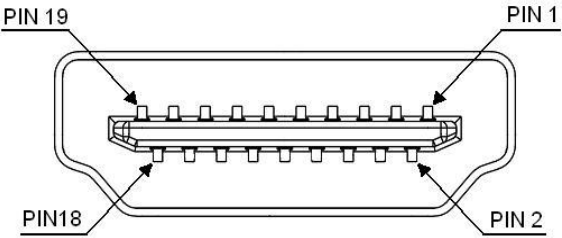
### 1. IR Receiver Cable



### 2. IR Blaster Cable



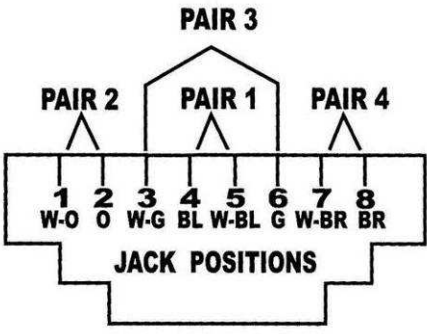
## Technical Specifications Output Signal



Pin #	Signal	Pin #	Signal
1	TMDS Data 2+	11	TMDS Clock Shield
2	TMDS Data 2 Shield	12	TMDS Clock -
3	TMDS Data 2-	13	CEC
4	TMDS Data 1+	14	Reserved (N.C. on device)
5	TMDS Data 1 Shield	15	SCL
6	TMDS Data 1-	16	SDA
7	TMDS Data 0+	17	DDC/CEC Ground
8	TMDS Data 0 Shield	18	+5V Power
9	TMDS Data 0-	19	Hot Plug Detect
10	TMDS Clock+		

## Wiring Information & Coding

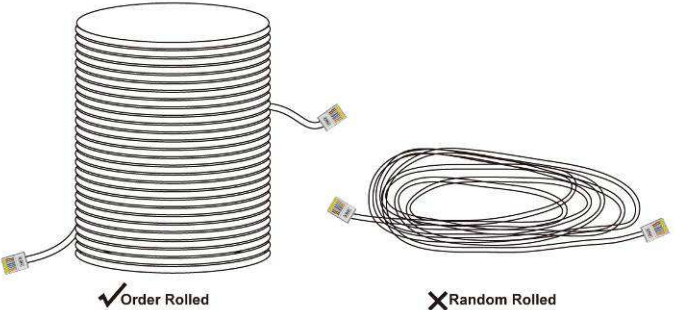
Conductor Identification	RJ45 Pin Assignment	Color Code for Conductor
Pair 1	5	White-Blue
	4	Blue
Pair 2	1	White-Orange
	2	Orange
Pair 3	3	White-Green
	6	Green
Pair 4	7	White-Brown
	8	Brown



## Note

However sometimes, especially in demonstrations or in a lab environment, the cable is rolled randomly in small turns for convenience. The randomly rolled UTP cable suffers additional signal impairments (compared to a straight cable) and therefore the maximal operating reach might be reduced.

Rolling a CAT5E/CAT6 cable around a 70cm fixed diameter plastic drum has just a minor effect on the FEXT (Far End Cross Talk) when compared to a fully stretched cable.



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