

# HDMI EXTENDER

## AVLINK™



**HDM-SLW+ HDM-ELW+  
HDM-EPLW+**  
(Local)



**HDM-SRW+ HDM-ERW+  
HDM-EPRW+**  
(Remote)

**USER MANUAL** V1.0  
**HDM-SXW+ / HDM-EXW+  
/HDM-EPXW+**

### Package Contents-

- 1x HDM-SLW+ or HDM-ELW+ or HDM-EPLW+ Local Unit
- 1x HDM-SRW+ or HDM-ERW+ or HDM-EPRW+ Remote Unit
- 1 user manual
- 2x Power adapter DC 12V with lock (for HDM-SXW+/HDM-EXW+)
- 1x Power adapter DC 48V with lock and Power Cord (for HDM-EPXW+)
- 1x IR Blaster Cable(Peak Wavelength 940nm)
- 1x IR Receiver Cable
- 4x screws
- 8x foot pads

Anything missed, please contact with your vendor.

### Features

- Through the HDMI Extender, you can use one DVD to display identical image and extension of HDMI signal up to 70/100 meter on HDTV
- HDCP Compliant
- Supports 3D pass-through
- Support RS-232(Bi-direction transfer)
- Supports all frequency band IR control
- One CAT.5 cable extension
- Supports HDTV up to 4k2k
- HD-baseT technology
- Use CAT.5 cable to install easily
- Cable Distance
- Supports Power over Cable(EPXW+ ONLY )
- Undervoltage, Overvoltage and Thermal Protection
- Short-Circuit Protection with Auto-Restart
- Support HDMI DA (Local unit)

Resolution	Cable Type	HDM-SXW+	HDM-EXW+ / HDM-EPXW+
1080P(12bit)	Cat5e/Cat6	60M	100M
	Cat6a/Cat7	70M	100M
4Kx2K	Cat5e/Cat6	35M	70M
	Cat6a/Cat7	40M	100M

### Specifications

Function	Local	Remote
HDMI In Connector	HDMI A-Type Female x 1	None

HDMI Out Connector	HDMI A-Type Female x1(DA)	HDMI A-Type Female x 1
RJ-45 Connector	1	
IR OUT	3.5 $\mu$ Stereo Jack x 1	
IR2 IN	3.5 $\mu$ Stereo Jack x 1	
Max. Resolution	4k2k	
Cable Distance	70 M (SXW+) 100M (EXW+ / EPXW+)	
Power Adapter (Min.)	DC 12V with lock (for EXW+/SXW+) DC 48V with lock (for EPXW+)	
Housing	Metal	
Weight	472g(SXW+ /EXW+) 513g(EPXW+)	292g(SXW+ /EXW+) 328g(EPXW+)
Dimensions (LxWxH)	171x120x25 mm(for EXW+/SXW+) 171x120x35 mm (for EPXW+)	150x80x25 mm (for EXW+/SXW+) 150x80x35 mm (for EPXW+)

### LOCAL FRONT VIEW



1. RS-232
2. IR OUT
3. IR IN
4. LED

### LOCAL REAR VIEW



1. Power jack (12V DC for SXW+/EXW+, 48V DC for EPXW+)
2. LINK (RJ-45 Connector)
3. HDMI OUT (DA)
4. HDMI IN

### REMOTE FRONT VIEW



1. IR2 IN
2. IR OUT
3. IR1 IN
4. LED

## REMOTE REAR VIEW



1. Power jack (SXW+ / EXW+)
2. LINK (RJ-45 Connector)
3. HDMI OUT
4. RS-232

## Installation

1. Turn off the DVD and HDTV.
2. Connect the HDMI extension cable between the DVD and the "HDMI IN" port of HDM-SLW+ or HDM-ELW+ or HDM-EPLW+.
3. Connect the HDMI extension cable between the HDTV and the "HDMI OUT" port of HDM-SRW+ or HDM-ERW+ or HDM-EPRW+.
4. Connect the CAT.5 cables between the HDM-SLW+ or HDM-ELW+ or HDM-EPLW+ "LINK" port and the HDM-SRW+ or HDM-ERW+ or HDM-EPRW+ "LINK" port of extender.
5. Connect the power cord and turn on the extender.
6. Turn on the DVD and HDTV.

## IR Receiver Cable Directions:

Put it into the HDM-SRW+ or HDM-ERW+ or HDM-EPRW+ "IR2 IN" port and place the IR Receiver Cable, so that you can point to it easily with your IR remote controller.

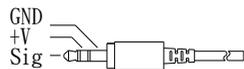
## IR Blaster Cable Directions:

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

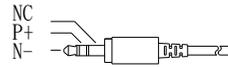
## Additional Options

Select any additional options you may require.

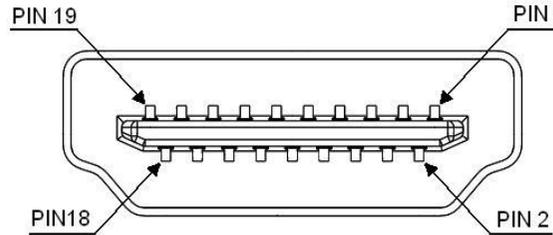
1. IR Receiver Cable



## 2. IR Blaster Cable



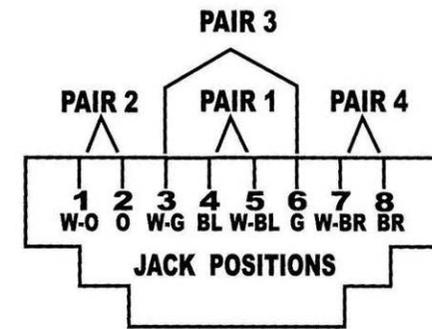
## Technical Specifications Output Signal



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	+5 Power
9	TMDS Data 0-	19	Hot Plug Detect
10	TMDS Clock+		

## Wiring Information & Coding

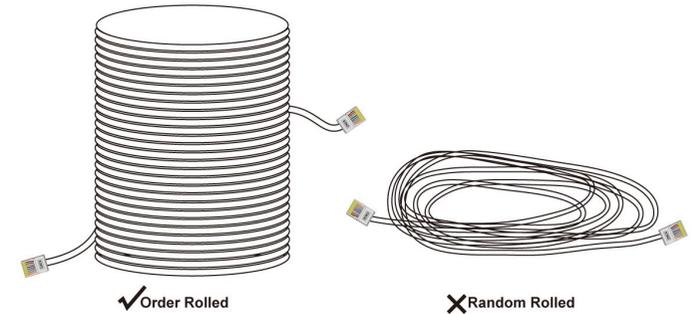
Conductor Identification	RJ45 Pin Assignment	Color Code for Conductor
Pair 1	5	White-Blue
	4	Blue
Pair 2	1	White-Orange
	2	Orange
Pair 3	3	White-Green
	6	Green
Pair 4	7	White-Brown
	8	Brown



## 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 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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