HDMI EXTENDER

AVLINK™

HDM-SLC **HDM-ELC**
(Local)

HDM-SRC **HDM-ERC**
(Remote)

USER MANUAL V1.0
HDM-SXC / HDM-EXC
Package Contents-
- 1x HDM-SLC or HDM-ELC Local Unit
- 1x HDM-SRC or HDM-ERC Remote Unit
- 1x User manual
- 1x Power adapter DC 12V with lock

Any thing 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
- HDBaseT technology
- Use CAT.5 cable to install easily
- Cable Distance
- Supports Power over Cable (POC)

Resolution	Cable Type	HDM-SXC	HDM-EXC
1080P(12bit)	Cat5e/Cat6	70M	100M
	Cat6a/Cat7	70M	100M
4Kx2K	Cat5e/Cat6	40M	100M(Cat6)
	Cat6a/Cat7	40M	100M

Specifications

Function	HDMI-SLC	HDMI-ELC	HDMI-SRC	HDMI-ERC
HDMI In Connector	HDMI A-Type Female x 1		None	
HDMI Out Connector	None		HDMI A-Type Female x 1	
RJ-45 Connector	1			
RS232	Terminal block (TX GND RX)			
IR OUT	3.5ψ Stereo Jack x 1			
IR2 IN	3.5ψ Stereo Jack x 1			
Max. Resolution	4k2k			
Cable Distance	70 m	100 m	70 m	100 m
Power Adapter (Min.)	DC 12V with lock			
Housing	Metal			
Weight	175g		183g	
Dimensions (LxWxH)	89.2x63x22 mm		89.2x63x22 mm	

LOCAL FRONT VIEW

1. LED : MODE LINK HDCP POWER
2. IR IN
3. IR OUT

LOCAL REAR VIEW

1. Power jack 12V DC
2. LINK (RJ-45 Connector)
3. HDMI IN
4. RS232

REMOTE FRONT VIEW

1. LED : MODE LINK HDCP POWER
2. IR IN
3. IR OUT

REMOTE REAR VIEW

1. Power jack 12V DC
2. LINK (RJ-45 Connector)
3. HDMI OUT
4. RS232

Installation

1. Turn off the DVD and HDTV.
2. Connect the HDMI extension cable between the DVD and the "HDMI IN" port of HDM-SLC or HDM-ELC.
3. Connect the HDMI extension cable between the HDTV and the "HDMI OUT" port of HDM-SRC or HDM-ERC.
4. Connect the CAT.5E cables between the HDM-SLC or HDM-ELC "LINK" port and the HDM-SRC or HDM-ERC "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-SRC or HDM-ERC "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 HDM-SLC or HDM-ELC "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

GND
+V
Sig

2. IR Blaster Cable

NC
P+
N−
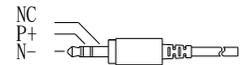
Technical Specifications Output Signal

PIN 19   PIN 1

PIN18   PIN 2
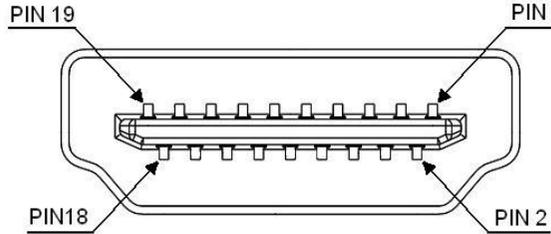
Pin #	Signal	Pin #	Signal
1	TMDS Data 2+	11	TMDS Clock Shield
2	TMDS Data 2 Shield	12	TMDS Clock -
3	TMDS Data 2-	13	CEC
4	TMDS Data 1+	14	Reserved (N.C. on device)
5	TMDS Data 1 Shield	15	SCL
6	TMDS Data 1-	16	SDA
7	TMDS Data 0+	17	DDC/CEC Ground
8	TMDS Data 0 Shield	18	+5 Power
9	TMDS Data 0-	19	Hot Plug Detect
10	TMDS Clock+		

Wiring Information & Coding

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

PAIR 3

PAIR 2   PAIR 1   PAIR 4

1   2   3   4   5   6   7   8
W-O O   W-G BL W-BL G W-BR BR

JACK POSITIONS
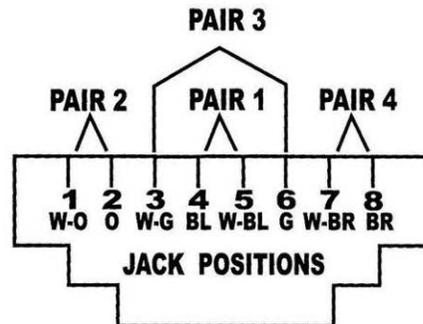
Note

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 70M fixed diameter plastic drum has just a minor effect on the FEXT (Far End Cross Talk) when compared to a fully stretched cable.
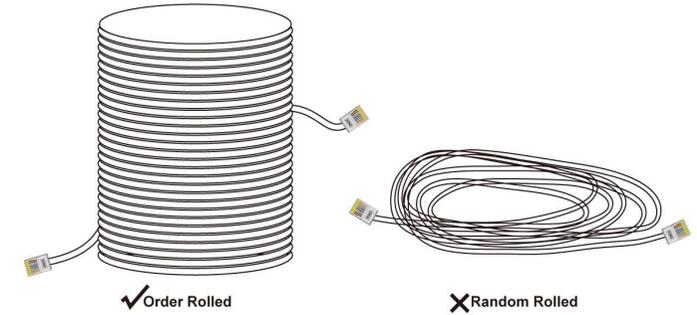
✔ Order Rolled   ✘ Random Rolled

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