

HDMI EXTENDER

AVLINK™



**HDM-DLW
(Local)**



**HDM-DRW
(Remote)**

USER MANUAL HDM-DLW / HDM-DRW

V1.0

Package Contents-

- 1x HDM-DLW Local Unit
- 1x HDM-DRW Remote Unit
- 1 user manual
- 2x Power adapter DC 12V with lock
- 1x IR Blaster Cable(Peak Wavelength 940nm)
- 1x IR Receiver Cable
- 4x screws
- 8x foot pads

Any thing missed, please contact with your vendor.

Features

- Through the HDMI Extender, you can use one UHD DVD to display identical image and extension of HDMI signal up to 100 meter on UHD TV.
- HDCP 1.x, 2.2 Compliant.
- Supports 3D pass-through.
- Supports CEC pass-through.
- Support RS-232(Bi-direction transfer)
- Supports all frequency band IR control.
- Supports all standard formats of audio, such as Dolby Digital, DTS, Dolby TrueHD, DTS HD-Master Audio and more.
- Supports UHD TV up to 4KX2K@60 (RGB,YCbCr :4:4:4/2:2/4:2:0)
- Supports HDR.
- HD-baseT technology.
- Use CAT.X cable to install easily.
- Cable Distance:

Resolution	Cable type	Cable Distance
1080P 12bit	CAT5e	100M
1080P 3D		90M
4KX2K	CAT6/6a/7	100M

Specifications

Function	HDM-DLW	HDM-DRW
HDMI In Connector	HDMI A-Type Female x 1	None
HDMI Out Connector	None	HDMI A-Type Female x 1
RJ-45 Connector	1	
IR OUT	3.5 ϕ Stereo Jack x 1	
IR IN	3.5 ϕ Stereo Jack x 1	
Max. Resolution	4KX2K@60 4:4:4 (8bit)	
Cable Distance	Cat.6@100 meters (Max.)	
Power Adapter (Min.)	DC 12V with lock	
Housing	Metal	
Weight	466 g	466 g
Dimensions (LxWxH)	171x120x25 mm	

LOCAL FRONT VIEW



1. IR IN
2. IR OUT
3. RESET KEY
4. DIP SWITCH
5. SYSTEM LED

LOCAL REAR VIEW



1. Power jack (12V DC)
2. LINK (RJ-45 Connector)
3. HDMI IN
4. RS-232

REMOTE FRONT VIEW



1. IR IN
2. IR OUT
3. RESET KEY
4. DIP SWITCH
5. SYSTEM LED

REMOTE REAR VIEW



1. Power jack (12V DC)
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-DLW.
3. Connect the HDMI extension cable between the HDTV and the “HDMI OUT” port of HDM-DRW.
4. Connect the CAT.5 cables between the HDM-DLW “LINK” port and the HDM-DRW “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-DXW “IR IN” port and place the IR Receiver Cable, so that you can point to it easily with your IR remote controller.

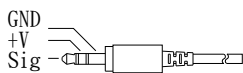
IR Blaster Cable Directions:

Plug IR blaster cable plug into HDM-DXW “IR OUT” port, It sits in front of the DVD receiver’s IR sensor, which is located on the front-panel.

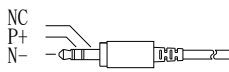
Additional Options

Select any additional options you may require.

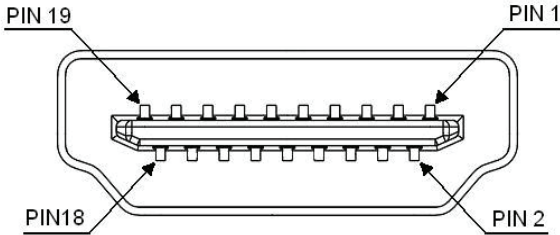
1. IR Receiver Cable



2. IR Blaster Cable



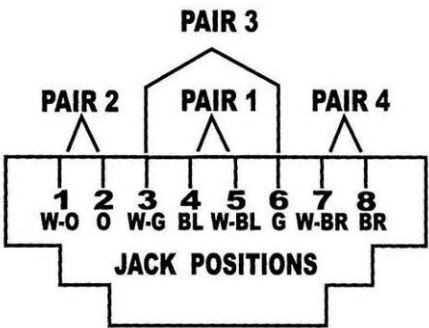
Technical Specifications Output Signal



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

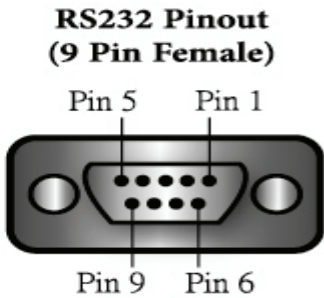
Wiring Information & Coding

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



RS232/D-Sub 9 Pin Definitions

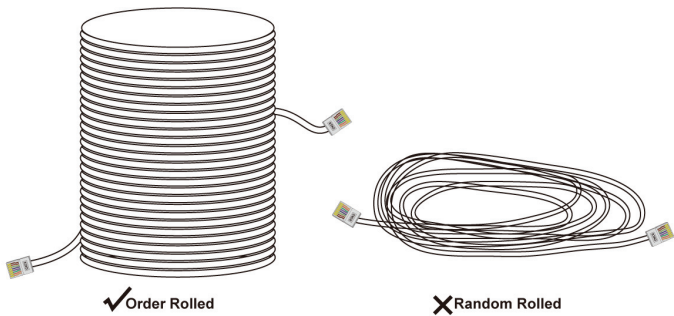
Pin 1	N/C
Pin 2	TxD (Data Out)
Pin 3	RxD (Data In)
Pin 4	N/C
Pin 5	GND
Pin 6	N/C
Pin 7	N/C
Pin 8	N/C
Pin 9	N/C



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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