

# HDMI EXTENDER

## AVLINK™



**HDMI-FLW  
(Local)**



**HDMI-FRW  
(Remote)**

## USER MANUAL HDMI-FXW

V1.1

### Package Contents-

- 1x HDMI-FLW Local Unit
- 1x HDMI-FRW Remote Unit
- 1 user manual
- 1x Power adapter DC 48V with lock
- 1x HDMI 1.2M cable
- 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

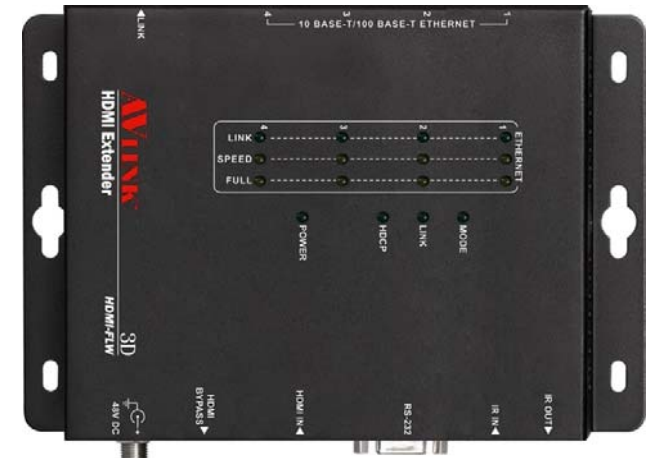
- Through the HDMI Extender, you can use one DVD to display identical image and extension of HDMI signal up to 100 meter on HDTV
- HDCP Compliant
- Supports Power over Cable
- Supports 10/100 base-T Ethernet switcher (Compliant IEEE802.3, IEEE802.3u, IEEE802.3x)
- 8 standard Ethernet port (with switching capabilities on each unit.
- Supports IR/RS-232/Ethernet extension function.
- IR extension function(Supports all frequency band IR control)
- Supports 3D pass-through
- Supports CEC pass-through
- Support RS-232(Bi-direction transfer)
- One CAT.5 cable extension
- Supports HDTV up to 1080p
- HD-baseT technology
- Use CAT.5 cable to install easily

## Specifications

Function	HDMI-FLW	HDMI-FRW
HDMI In Connector	HDMI A-Type Female x 1	None
HDMI Out Connector	HDMI A-Type Female x 1 (By pass)	HDMI A-Type Female x 1
RJ-45 Connector	1	
RJ-45 Connector (with LED)	4	
RS-232 Connector	1	
IR OUT	3.5ψ Stereo Jack x 1	3.5ψ Stereo Jack x 1
IR IN	3.5ψ Stereo Jack x 1	None
IR1 IN	None	Internal IR receiver
IR2 IN	None	3.5ψ Stereo Jack x 1
Max. Resolution	1080P 60Hz	
Cable Distance	100 m (Max.)	
Power Adapter (Min.)	DC 48V with lock	None
Housing	Metal	
Weight	505g	505g
Dimensions (LxWxH)	171x120x25 mm	

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## LOCAL TOP VIEW



- 1~4 port ETHERNET LINK/SPEED/FULL indicators.  
LINK ( Flash : Activity )  
SPEED ( ON : 100M, OFF : 10M )  
FULL ( ON : Full duplex ,OFF : Half duplex ,  
Flash : Collision)
- POWER LED
- HDCP LED
- LINK LED
- MODE LED

## LOCAL FRONT VIEW



- ETHERNET(1~4 port RJ-45 Connector with LED)
- LINK (RJ-45 Connector)

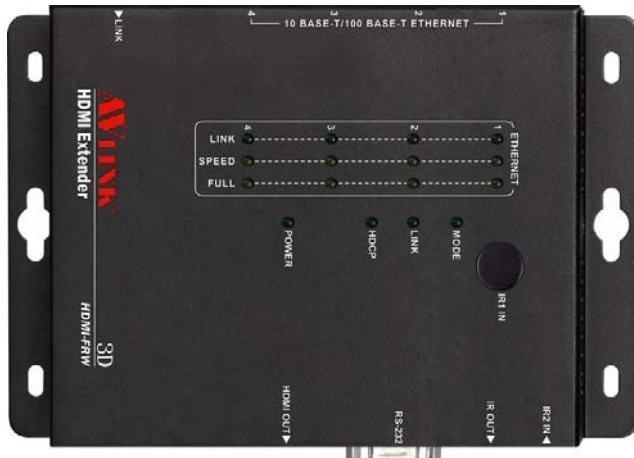
## LOCAL REAR VIEW



- Power jack (48V DC)
- HDMI BYPASS
- HDMI IN
- RS-232
- IR IN
- IR OUT

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## REMOTE TOP VIEW



- 1~4 port ETHERNET LINK/SPEED/FULL indicators.  
LINK (Flash : Activity)  
SPEED (ON : 100M, OFF : 10M)  
FULL (ON : Full duplex ,OFF : Half duplex ,  
Flash : Collision)
2. POWER LED
3. HDCP LED
4. LINK LED
5. MODE LED
6. IR1 IN ( Internal IR receiver )

## REMOTE FRONT VIEW



1. ETHERNET(1~4 port RJ-45 Connector with LED)
2. LINK (RJ-45 Connector)

## REMOTE REAR VIEW



1. HDMI OUT
2. RS-232
3. IR OUT
4. IR2 IN

## Installation

1. Turn off the DVD and HDTV.
2. Connect the HDMI extension cable between the DVD and the "HDMI IN" port of HDMI-FLW.
3. Connect the HDMI extension cable between the HDTV and the "HDMI OUT" port of HDMI-FRW.

4. Connect the CAT.5 cables between the HDMI-FLW "LINK" port and the HDMI-FRW "LINK" port of extender.
  5. Connect the power cord and turn on the extender.
  6. Turn on the DVD and HDTV.
- ※ When a HDMI device(TV) connected to BYPASS port, the remote video output will be disable. Only BYPASS port available.

## IR Receiver Cable Directions:

Put it into the HDMI-FLW "IR IN" or HDMI-FRW "IR2 IN" port and place the IR Receiver Cable, so that you can point to it easily with your IR remote controller.

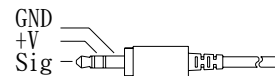
## IR Blaster Cable Directions:

Plug IR blaster cable plug into HDMI-FRW or HDMI-FLW "IR OUT" port, it sits in front of the DVD receiver's IR sensor, which is located on the front-panel.

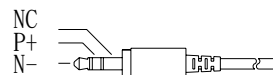
## Additional Options

Select any additional options you may require.

1. IR Receiver Cable

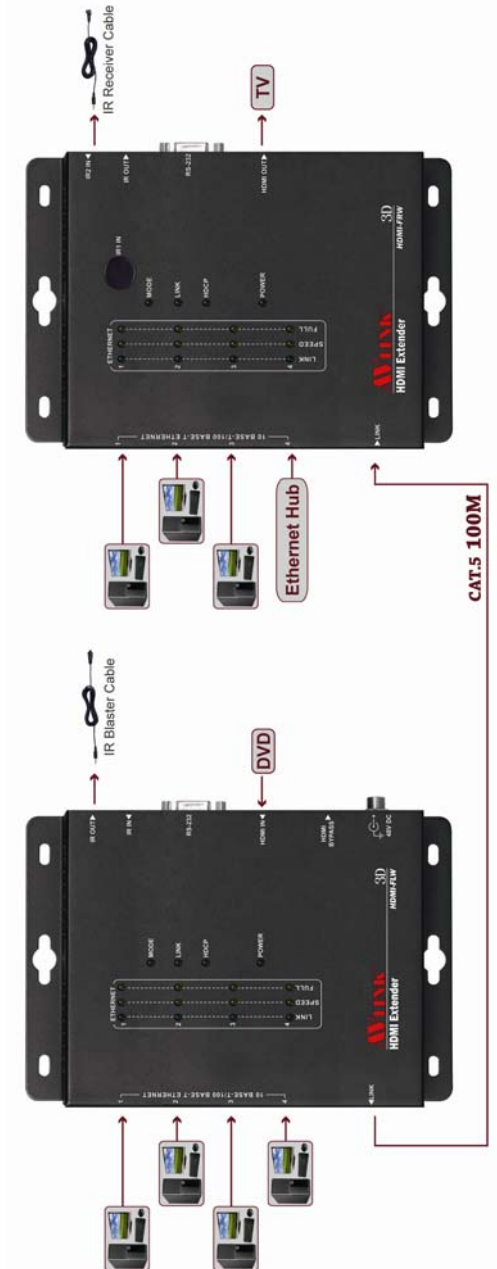


2. IR Blaster Cable

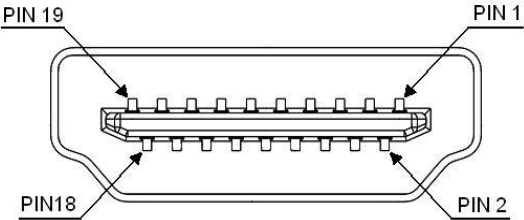


## Ethernet connect:

Use one Ethernet signal connected to any of the 8 Ethernet port in HDMI-FLW or HDMI-FRW, the other 7 Ethernet port can go connection with standard network devices.



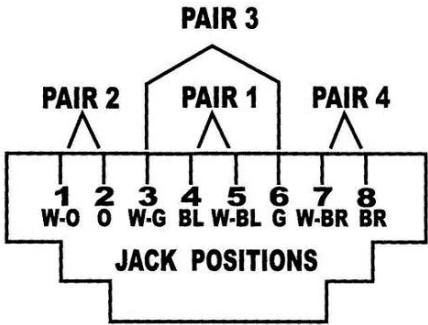
# Technical Specifications Output Signal



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



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