# HDMI Distribution Amplifier



(HS-1412IW) 1 In 2 Out



(HS-1414IW) 1 In 4 Out



(HS-1418IW) 1 In 8 Out

USER MANUAL V1.1 HS-1412IW/HS-1414IW /HS-1418IW

#### **Package Contents-**

- 1x AVLINK HS-1412IW or HS-1414IW or HS-1418IW HDMI Distribution Amplifier
- 1x User Manual
- 1x Power Adapter DC 12V
- 2x Screws
- 4x Foot Pads

Anything missed, please contact with your vendor.

#### Introduction

Through the HDMI Distribution Amplifier, you can use one HDMI source such as DVD player to display / broadcast the identical image up to8projectors or HDTVs through HDMI ports.

HDMI Distribution Amplifier is ideal for:

- Test Bench Facilities
- Data Centers
- Help Desks

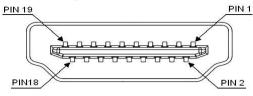
#### **Features**

- Supports 3D
- HDCP Compliant
- Compliant with the specification of HDMI
- Support high-resolution display up to 1080P@60Hz(12-bit),4Kx2K@30Hz(8-bit)
- EDID copy from OUT 1
- Cascade able to satisfy the demanded ports

### **Specifications**

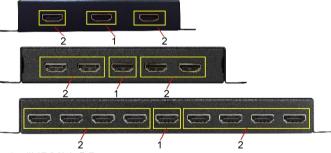
Function	HS-1412IW	HS-1414IW	HS-1418IW	
HDMI Input Connector (A-Type Female)	1			
HDMI Output Connector (A-Type Female)	2	4	8	
Max. Resolution	1080P@60Hz(12-bit),4Kx2K@30Hz(8-bit)			
Cable Distance (Device to Monitor)	10 m (Max.)			
Signal Type	Standard HDMI Signal			
Power Adapter (Min.)	DC 12V			
Housing	Metal			
Weight	270g	450g	646g	
Dimensions (LxWxH)	150x80x25 mm	171x120x25 mm	240x120x25 mm	

# Technical Specifications Input/Output Signal



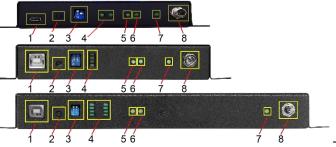
Pin#	Signal	Pin#	Signal
1	TMDS Data 2+	11	TMDS Clock Shield
2	TMDS Data 2 Shield	12	TMDS Clock -
3	TMDS Data 2-	13	CEC
4	TMDS Data 1+		Reserved (N.C. on device)
5	TMDS Data 1 Shield	15	SCL
6	TMDS Data 1-	16	SDA
7	TMDS Data 0+	17	DDC/CEC Ground
8	TMDS Data 0 Shield	18	+5 <b>V</b> Power
9	TMDS Data 0-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

#### **FRONT VIEW**



- 1. "HDMI In" Port
- 2. "HDMI Out" Port

#### **REAR VIEW**



- 1. F/W Upgrade
- 2. Reset
- 3. Mode(must reset)

1	2	Mode
OFF	OFF	1080P
OFF	ON	Copy Out1
ON	OFF	Reserved
ON	ON	4K x 2K

- 4. 1~2/1~4/1~8 Out port LED
- 5. HDCP LED
- 6. HDMI In LED
- 7. Power LED
- 8. DC 12V Input

#### Installation

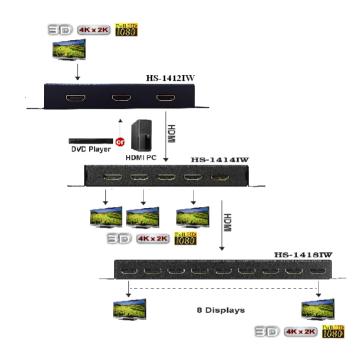
- 1. Turn off the HDMI source and HDMI displays.
- Connect the HDMI male extension cable between the HDMI source and the "HDMI In" port of Distribution Amplifier.
- 3. Connect the HDMI male/female extension cables between the displays and the "HDMI Out" ports of Distribution Amplifier.
- 4. Connect the power cord and turn on the Distribution Amplifier.
- 5. Turn on the HDMI source and HDMI displays.

#### Note:

- Have to set ALL displays with the same resolution.
- We suggest the user connects the display from "HDMI Out 1" first because the Distribution Amplifier will simulate the EDID from "HDMI Out 1".
- We suggest the user connects the HDMI source to the Distribution Amplifier via1.8M cable for the better video quality.

#### Note:

Even though you are allowed to cascade more Distribution Amplifiers to satisfy demanded ports, the image might become unstable if cascade too many levels of Distribution Amplifiers.



P.S.: The example of cascading the 2/4 and 8 ports Distribution Amplifier. Better yet, you can cascade more Distribution Amplifiers to satisfy demanded ports.

## **Operation for cascade:**

- 1. The function to display identical image on more displays, you have to attach another Distribution Amplifier.
- Connect the HDMI male/female extension cable between the "HDMI Out 1" port of 1<sup>st</sup> level Distribution Amplifier and the "HDMI In" port of 2<sup>nd</sup> level Distribution Amplifier.

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