# HDMI Distribution Amplifier







# USER MANUAL V1.0 HS-2414FS / HS-2418FS / HS-2428FS

## **Package Contents-**

- 1 AVLINK HS-2414FS or HS-2418FS or HS-2428FS HDMI Distribution Amplifier
- 1 user manual
- 1 power adapter DC 12V 1A for HS-2414FS
- 1 AC power cord for HS-2418FS, HS-2428FS
- 2 rack rails, 8 screws for HS-2414FS only
- 2 rack rails, 6 screws for HS-2418FS, HS-2428FS

Any thing missed, please contact with your vendor.

## Introduction

Through the HDMI Distribution Amplifier, you can use one DVD player/TV receiver to display identical image on 4,8 projectors or HDTV by HDMI port.

HDMI Distribution Amplifier is ideal for:

- Test bench facilities
- Data Center
- Help desks

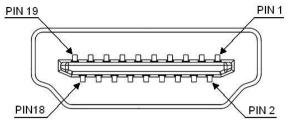
## **Features**

- Use PanelLink digital technology.
- Compliant with the specification of HDMI.
- Support high-resolution display up to UXGA, 480p, 480i, 720p, 1080i, 1080p, 4K2K,deep color up 12 bits.
- 2 HDMI input and select one to all output (displays) by switch key on front panel (HS-2428FS only).
- Can be cascaded.
- 1U rack design for HS-2414FS, HS-2418FS, HS-2428FS.

# **Specifications**

Function	HS-2414FS	HS-2418FS	HS-2428FS
HDMI Input Connector (A-Type Female)	1		2
HDMI Output Connector (A-Type Female)	4	8	
Max. Resolution	UXGA, 4K2K (8Bits)		
Cable Distance (Device to Monitor)	10 m (Max.)		
Signal Type	Standard HDMI Signal		
Power Adapter (Min.)	DC 12V 1A	AC 100	~240V
Housing	Metal		
Weight	975 g	2340 g	2360 g
Dimensions (LxWxH) mm	269x104 x45	440x185x45	

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

## **FRONT VIEW**



1. Power LED

### **REAR VIEW**



- 1. Input Power Jack
- 2. "HDMI In" Port
- 3. "HDMI Out" Port

-1- -2-

<sup>\*</sup>There are 2/4/8 out ports for HS-2414FS / HS-2418FS (HS-2428FS).

# Installation

- 1. Turn off the DVD player/TV receiver and monitors.
- Connect the HDMI male extension cable between the DVD player/TV receiver and the "HDMI In" port of Distribution Amplifier.
- Connect the HDMI male/female extension cables between the monitors and the "HDMI Out" ports of Distribution Amplifier.
- Connect the power cord and turn on the Distribution Amplifier.
- 5. Turn on the DVD player/TV receiver and monitors. **Note:**
- Have to install all TVs with the same resolution limited.
- We suggest user connect TV from "HDMI Out 1" first. Because Distribution Amplifier will simulation EDID from "HDMI Out 1".
- We suggest user connect source equipment to Distribution Amplifier by 1.8M cable for better video quality.

**Operation for cascade:** 

- The function to display identical image on more monitors, you have to attach another Distribution Amplifier.
- 2. Connect the HDMI male/female extension cable between the former Distribution Amplifier of the "HDMI Out 1" port and the latter Distribution Amplifier of the "HDMI In" port.

Note:

Even though you are allowed to cascade the Distribution Amplifier with varied ports, the image might become unstable if cascade too many tiers of Distribution Amplifier.

Moniter Monite

P.S.: The example cascades the 4 and 8 ports Distribution Amplifier; however, you can cascade the HDMI Distribution Amplifier with demanded port.

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