



HDMI Distribution Amplifier



(ZIG-14DA)
1 In 4 Out



(ZIG-18DA)
1 In 8 Out

USER MANUAL ZIG-14DA / ZIG-18DA

V1.0

Package Contents-

- 1 ZIGEN ZIG-14DA or ZIG-18DA HDMI Distribution Amplifier.
- 1 user manual.
- 1 power adapter DC 12V 600mA for ZIG-14DA.

- 1 AC power cord for ZIG-18DA.
- 2 rack rails, 8 screws for ZIG-14DA only.
- 2 rack rails, 6 screws for ZIG-18DA.

Introduction

ZIGEN ZIG-18DA HDMI Distribution Amplifier with 3D Support

ZIGEN 1x8 HDMI distribution amplifiers allow users to split any HDMI digital video with embedded audio source to 8 HD displays. ZIG-18DA will split the HDMI signal to 8 outputs without signal loss and maintain high resolution up to 1080p/60Hz, 3D and 1920x1200 computer signals.

Features

HDCP compliant

Panel Link digital technology. Can be cascaded up to 8 layers

3D Function Support.

Full HD support: 1080p@24/60Hz, 3D.

Support high-resolution display up to UXGA, 480p, 480i, 720p, 1080i, 1080p, 1920x1200 deep colors up 12 bits.

Supports uncompressed PCM 2- Ch. Audio,

5.1, 7.1, DTS-HD, Dolby audio format.

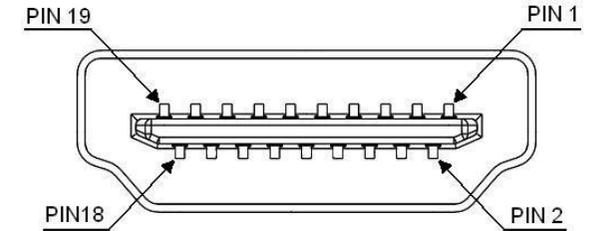
1U rack design.

Specifications

Function	ZIG-14DA	ZIG-18DA
HDMI Input Connector (A-Type Female)	1	1
HDMI Output Connector (A-Type Female)	4	8
Max. Resolution	UXGA, 1080p (12Bits)	
Cable Distance (Device to Monitor)	10 m (Max.)	
Signal Type	Standard HDMI Signal	
Power Adapter (Min.)	DC 12V 600mA	AC100~240V
Housing	Metal	
Weight	975 g	2340 g
Dimensions (LxWxH) mm	269x104x45	440x185x45

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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+	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+		

FRONT VIEW



1. Power LED

REAR VIEW



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

*There are 4/8 out ports for ZIG-14DA / ZIG-18DA

Installation

1. Turn off the DVD player/TV receiver and monitors.
2. Connect the HDMI male extension cable between the DVD player/TV receiver and the "HDMI In" port of Distribution Amplifier.
3. Connect the HDMI male/female extension cables between the monitors and the "HDMI Out" ports of Distribution Amplifier.
4. Connect the power cord and turn on the Distribution Amplifier.
5. Turn on the DVD player/TV receiver and monitors.

Note:

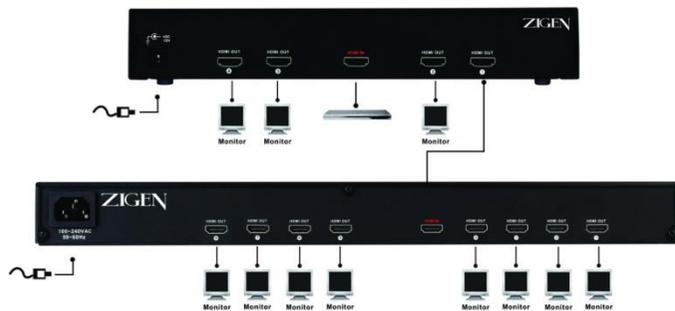
- Have to install all TVs with the same resolution limits.
- We suggest user connect TV from "HDMI Out 1" first. Because Distribution Amplifier will simulate EDID from "HDMI Out 1".
- We suggest users to connect source equipment to Distribution Amplifier by ZIGEN manufactured cable for best video quality.

Operation for cascade:

1. 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 first Distribution Amplifier of the "HDMI Out 1" port and the second 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 cascaded more than 8 tiers of Distribution Amplifier.



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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