ZIG-PHASED

1 x 2 HDMI 2.0 Repeater and HDMI/ARC Audio Extractor Quick Start Guide

Read this quick start guide carefully before using the product. Pictures shown in this document are for reference only. Different models and specifications are subject to actual product. Refer to ZIG-PHASED User Manual for more details on installing, configuring, and operating the ZIG-PHASED 1 x 2 HDMI 2.0 Repeater and Audio Extractor.

Important Downloads

Download the latest documents from the product page of the zigencorp.com website. The product page contains the latest documents to ensure a successful deployment of ZIG-PHASED. Important documents include:

- ZIG-PHASED Quick Start Guide
- ZIG-PHASED User Manual

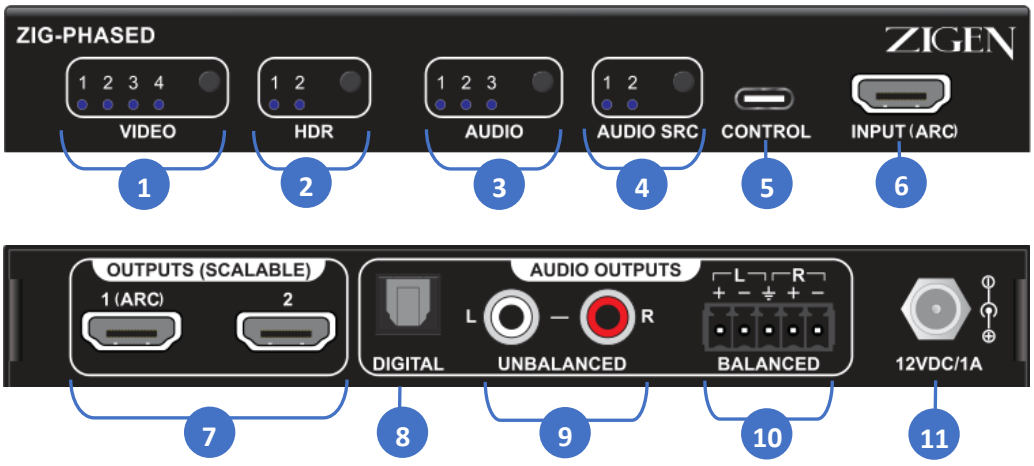
Overview

The ZIG-PHASED is an HDMI 2.0 repeater with one input and two scalable outputs for mixed resolution environments. The device supports video formats up to 4K UHD (up to 2160p60 @ 4:4:4) with support for HDCP 2.2 or 1.4 content protection.

Audio can be extracted from the HDMI input or Audio Return Channel (ARC) from Output #1. The extracted audio can be heard on the Optical output, Balanced Analog Audio, and Unbalanced RCA Analog Audio interfaces. The ARC audio can be redirected back to the HDMI input if an ARC capable AV Receiver is connected to the input.

Packing List

1x ZIG-PHASED 1 x 2 HDMI Repeater/Audio Extractor
1x Universal 100-240 VAC, 12V/1A Power Supply
2x Wall Mounting Ears including Hardware
4x Plastic Cushions
1x Quick Start Guide



Quick Start Guide

1 VIDEO EDID Selection

The Video EDID selection pushbutton cycles through the different video modes as indicated below:

LED	Function
0 0 0 1	Auto – Use EDID from sink with the lowest native resolution
0 0 1 0	1080p60 – Built in fixed resolution
0 0 1 1	2160p30 – Built in fixed resolution
0 1 0 0	2160p60 – Built in fixed resolution
0 1 0 1	EDID Out 1 – EDID from HDMI Output 1
0 1 1 0	EDID Out 2 – EDID from HDMI Output 2
0 1 1 1	Stored EDID 1 – Use Memorized EDID 1 **Press and hold AUDIO SRC to store EDID.*
1 0 0 0	Stored EDID 2 – Use Memorized EDID 2 **Press and hold AUDIO SRC to store EDID.*
1 0 0 1	Checkerboard – Black/White Test Pattern
1 0 1 0	Ramp – Black to White Test Pattern
1 0 1 1	Red Ramp – Black to Red Test Pattern
1 1 0 0	Green Ramp – Black to Green Test Pattern
1 1 0 1	Blue Ramp – Black to Blue Test Pattern
1 1 1 0	White – White Field Test Pattern
1 1 1 1	PRBS – Pseudo Random Test Pattern

2 HDR EDID Selection

The HDR EDID selection pushbutton cycles through the different HDR modes as indicated below:

LED	Function
0 1	Bypass – Allow HDR to pass through if supported
1 0	HDR Off – Disable HDR mode

3 Audio EDID Selection

The Audio EDID selection pushbutton cycles through the different audio modes as indicated below:

LED	Function
0 0 1	Bypass – Allow default audio mode
0 1 0	Stereo Only – Allow only 2-channel PCM
0 1 1	5.1 – Allow 5.1 audio or lower format.
1 0 0	7.1 – Allow 7.1 audio or lower formats.
1 0 1	Dolby Only – Allow Dolby and disable DTS
1 1 0	DTS Only – Allow DTS and disable Dolby

4 Audio SRC Selection

The Audio SRC selection pushbutton cycles through the possible sources of audio as indicated below:

LED	Function
0 1	HDMI In – Audio extracted from HDMI In
1 0	ARC – Audio extracted from ARC from HDMI Output 1

5 Control USB-C

This USB-C port is used to update the ZIG-PHASED firmware.

6 HDMI Input (ARC)

Connect the video source to this input. ARC is passed through from HDMI Output 1 if an ARC capable AV Receiver is connected to the HDMI input.

7 HDMI Outputs

Connect displays or AV Receiver to the HDMI Scalable Outputs. Output 1 supports ARC from a Smart TV.

8 Optical Outputs

The Optical port will output extracted audio from HDMI In or ARC.

9 Unbalanced Analog Audio RCA Output

The Unbalanced Analog Audio RCA will output consumer level audio extracted from HDMI In or ARC.

10 Balanced Analog Audio Output

The Balanced Analog Audio Left/Right Phoenix connector will output professional level balanced audio extracted from HDMI In or ARC. (*Refer to the ZIG-PHASED User Manual for proper wiring diagram).*

11 Power

Use the included 12VDC @ 1Amp external power supply to power the ZIG-PHASED. Ensure the locking ring is threaded snugly to prevent inadvertent disconnection of the power jack.