

CV-55AZ

HDMI 2.0a Repeater

User Manual



rev: 140505
Made in Taiwan



Safety and Notice

The **CV-55AZ HDMI 2.0a Repeater** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the **CV-55AZ** should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.



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INTRODUCTION

The **CV-55AZ HDMI Repeater** boosts up your HDMI extension transmission over long cable and makes multiple layer cascading of HDMI products possible. The CV-55AZ amplifies and equalizes the HDMI signal to provide high quality audio and video.

FEATURES

- HDMI2.0a compliant
- Supports 4K2K@60 4:4:4 8bits
- Supports HDR*, which is 4K2K@60 4:2:0 10bits**
- HDCP 2.2 compliant
- Supports CEC bypass



* HDR = High Dynamic Range.

** The video bandwidth of 4K2K@60 4:2:0 10bits (HDR) is 384 MHz, and the 4K2K@60 4:4:4 8bits is 594MHz.

PACKAGE CONTENTS

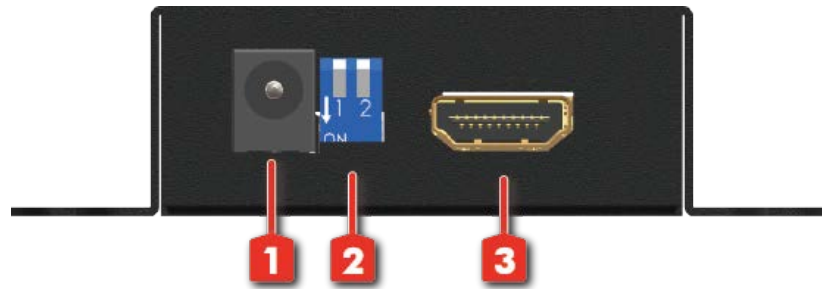
- 1x CV-55AZ
- 1x DC 5V 0.85A power supply unit
- 1x User Manual

SPECIFICATIONS

Model Name		CV-55AZ
Technical		
Role of usage	HDMI to HDMI Repeater	
HDMI compliance	HDMI 2.0a	
HDCP compliance	Yes	
Input Video bandwidth	Single-link 594MHz [18Gbps]	
Video support	HDR 4K2K@60 (4:2:0 10bits) / 4K2K@60 (4:4:4 8bits)	
Audio support	Bypass	
ESD protection	[1] Human body model — ±19kV [air-gap discharge] & ±12kV [contact discharge] [2] Core chipset — ±2kV	
PCB stack-up	4-layer board [impedance control — differential 100Ω; single 50Ω]	
CEC Channel	Bypass	
Input	1x HDMI	
Output	1x HDMI	
HDMI connector	Type A [19-pin female]	
Mechanical		CV-55AZ
Housing	Metal enclosure	
Dimensions [L x D x H]	Model	56 x 67 x 22mm [2.2"x2.6"x0.8"]
	Package	325 x 196 x 92mm[12.7" x 7.7" x 3.6"]
	Carton	490 x 426 x 352mm[1'6" x 1'4" x 1'2"]
Weight	Model	130g [4.6 oz]
	Package	200g [0.4 lbs]
Fixedness	Wall-mounting case with screws	
Power supply	5V 0.85A DC	
Power consumption	3 Watts [max]	
Operation temperature	0~40°C [32~104°F]	
Storage temperature	-20~60°C [-4~140°F]	
Relative humidity	20~90% RH [no condensation]	

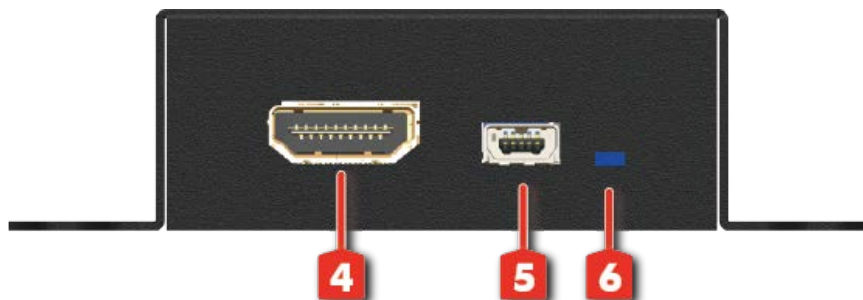
PANEL DESCRIPTIONS

Front Panel



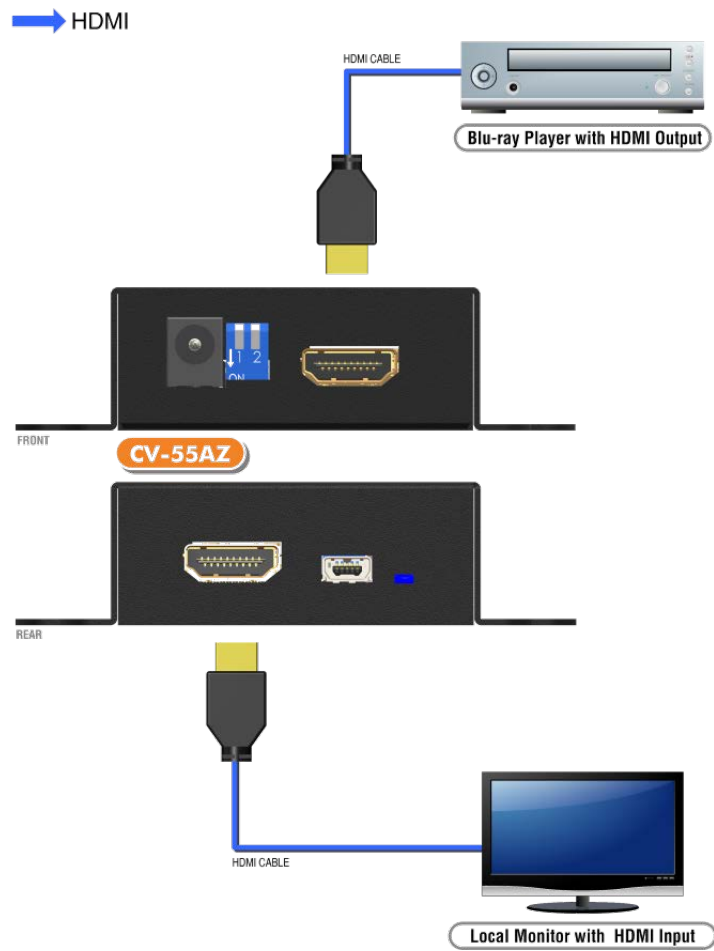
1. **5V DC power jack**
2. **Dip Switch:** PIN #1: ON [↓] FW update mode
OFF [↑] Working mode
PIN #2: Reserved
3. **HDMI IN:** Connect to a HDMI source with a HDMI male-male cable here

Rear Panel



4. **HDMI OUT:** Connect to a HDMI display with a HDMI male-male cable here.
5. **Mini USB for FW update**
6. **LED: Power indicator**

CONNECTION DIAGRAM



LIMITED WARRANTY

The SELLER warrants the **CV-55AZ HDMI 2.0a Repeater** to be free from defects in the material and workmanship for 1 year from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surge. This warranty is offered by the SELLER for its BUYER with direct transaction only. This warranty is void if the warranty seal on the metal housing is broken.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables and power adapters are limited to a 30 day warranty and must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. **Also, the technical information contained herein regarding the CV-55AZ features and specifications is subject to change without further notice.**