ZIGEN

COMPLETE HD/IP
CONNECTIVITY SOLUTIONS

Zigen ZIG-PAX

Long Range Digital / Analog Audio Extender

Transmitter

Receiver

4K 60 Hz 4:4:4
HDCP 2.2

Important Safety Instructions

1. Do not use this product near water.

2. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

3. Do not install or place this product near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

4. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

5. Only use attachments/accessories specified by the manufacturer.

6. To reduce the risk of electric shock and/or damage to this product, never handle or touch this unit or power cord if your hands are wet or damp. Do not expose this product to rain or moisture.

7. Unplug this apparatus during lightning storms or when unused for long periods of time.

8. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

9. Batteries that may be included with this product and/or accessories should never be exposed to open flame or excessive heat. Always dispose of used batteries according to the instructions.

Warranty Information

Powered Product Warranty

Zigen, Inc. warrants its powered products against any defects in materials and workmanship for a period of three years from the date of invoice. Touchscreen displays carry a one year parts and labor warranty. If a malfunction occurs during the warranty period, Zigen, Inc. will repair or replace a product to its original operating condition. A return authorization number must be obtained from Zigen, Inc. before products are returned for service.

Non-Powered and Cable Products - Lifetime Limited Performance Warranty

Zigen, Inc. warrants that its non-powered products and cable products will be free from defects in material and workmanship for as long as you or your customer owns the product. All Zigen non-powered products and cables are designed and engineered to meet and exceed performance specifications. If, at anytime, the product fails due to manufacturer defect, Zigen will repair or replace the product to ensure that it meets original performance specifications. Reduced performance due to normal wear and tear, or damages caused by misuse or negligence will not be covered. Zigen will test and evaluate all non-powered and cable products claimed defective. Products must be shipped to Zigen, prepaid along with proof of purchase only after obtaining a Return Merchandise Authorization (RMA) number from the Zigen. This statement of policy is in lieu of any other policy expressed or implied and no representative or person is authorized to assume any other liability or adopt any other policy for Zigen without our written consent.

Return Policy

If you would like to return a Zigen product, it can be done within 30 days of purchase for a full refund, less shipping and handling. Zigen will not be responsible for shipping and handling of product returns. Returns will only be accepted of products with proof of purchase, products in the original packaging with zero to minimal use and a Return Merchandise Authorization RMA number provided by Zigen.

Contacting Zigen

Technical Support

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Features

- Active line level stereo audio extender

- Active digital audio extender

- Frequency response from 20Hz to 20 KHz +/-3dB

- Stereo: Up to 170m / 557 ft. (CAT5e/6)

- TOSLINK/COAX: Up to 290m / 951 ft. (CAT5e/6)

- TOSLINK & COAX: PCM/Dobly/DTS; AUDIO: Stereo pass-through

The ZIG-PAX is packaged with the following items:

- 1 x ZIG-PAX Transmitter
- 1 x Power Adaptor(12VDC,1A)
- 1 x ZIG-PAX Receiver
- 4 x Mounting Ears & 8 x Screws
- 8 x Plastic Cushions
- 1 x User Manual

If any of these products are not present upon first opening of the package, please contact Zigen or your reseller.

This product uses UL-Listed power supplies

Table of Contents

8

The ZIGEN ZIG-PAX is a transmitter/receiver extender kit for long distance transmission of digital and or analog stereo audio over a single CAT – X type cable. The ZIG-PAX can be used as a point-to-point solution or integrated with Matrix switching equipment to extend inputs or outputs to remote locations.
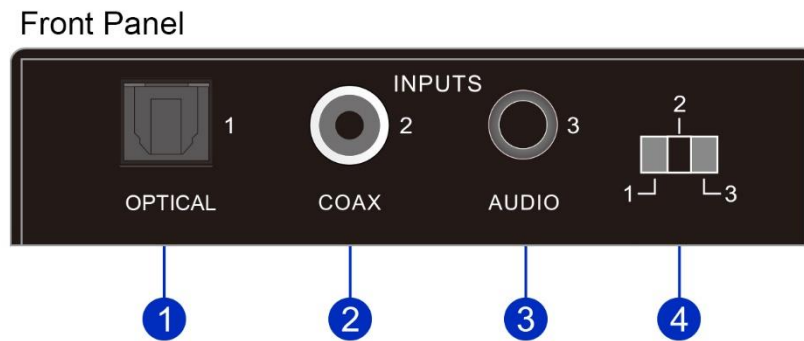
Front Panel

Transmitter Front Panel

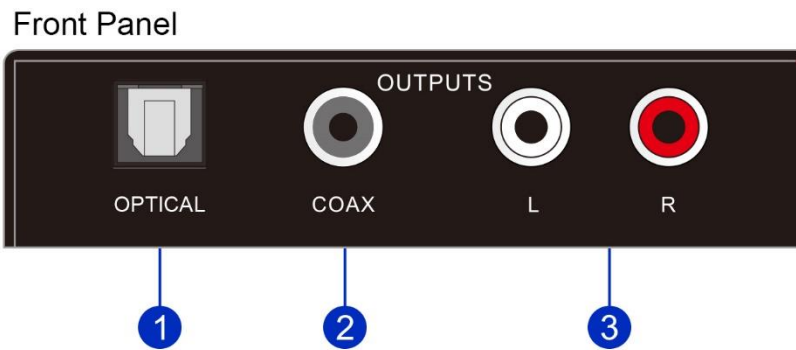**1 OPTICAL:** digital audio input port, connects to audio source.

2 COAX: digital audio input port, connects to audio source.

3 AUDIO: Stereo audio input port, connects to audio source.

4 DIP: switcher for selecting audio input source.
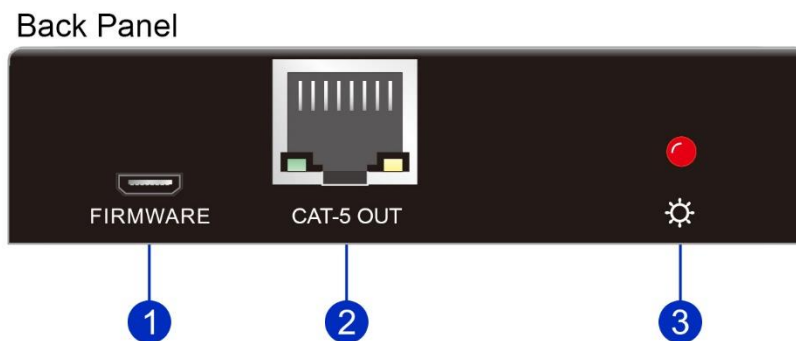
Back Panel

Transmitter Back Panel

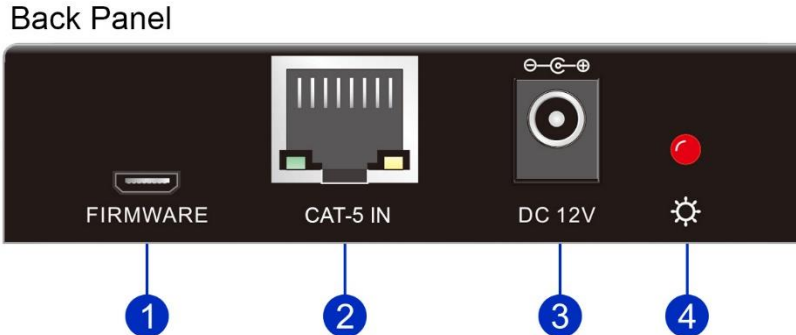**1 FIRMWARE:** Micro USB port for firmware update.

2 CAT-5 OUT: port connects to the "CAT-5 IN" port of Receiver.

3 POWER: red light power indicator.

ZIG-PAX Receiver Panel Description

Front Panel

Receiver Front Panel

1 OPTICAL: digital audio input port, connects to audio source.

2 COAX: digital audio input port, connects to audio source.

3 RCA (L+R): audio output port, connects to audio output device for playing.

Back Panel
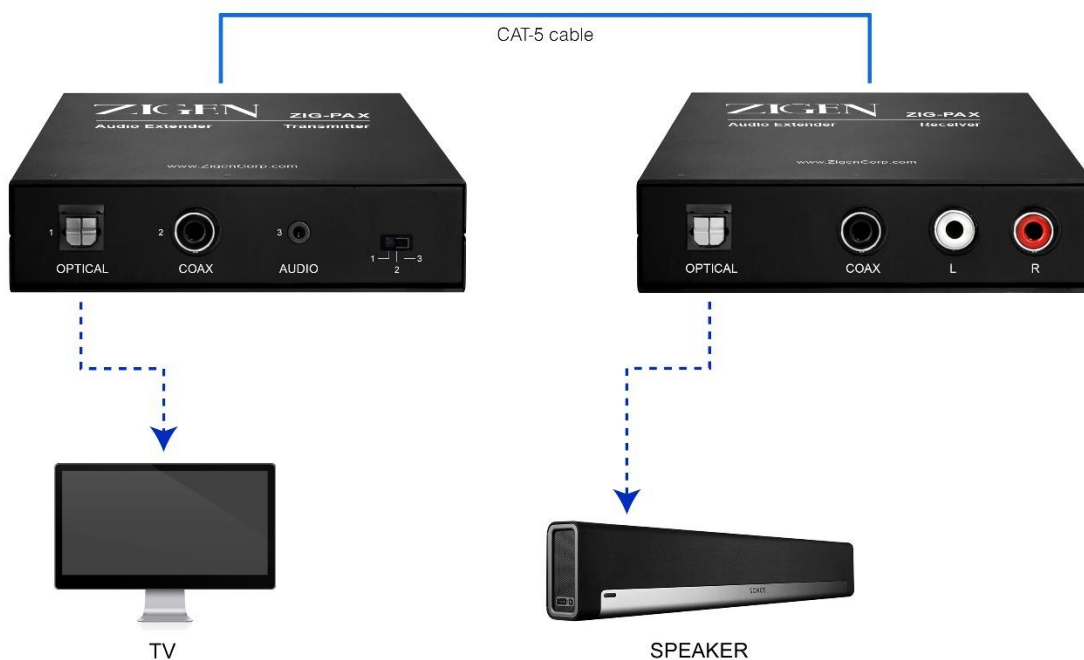

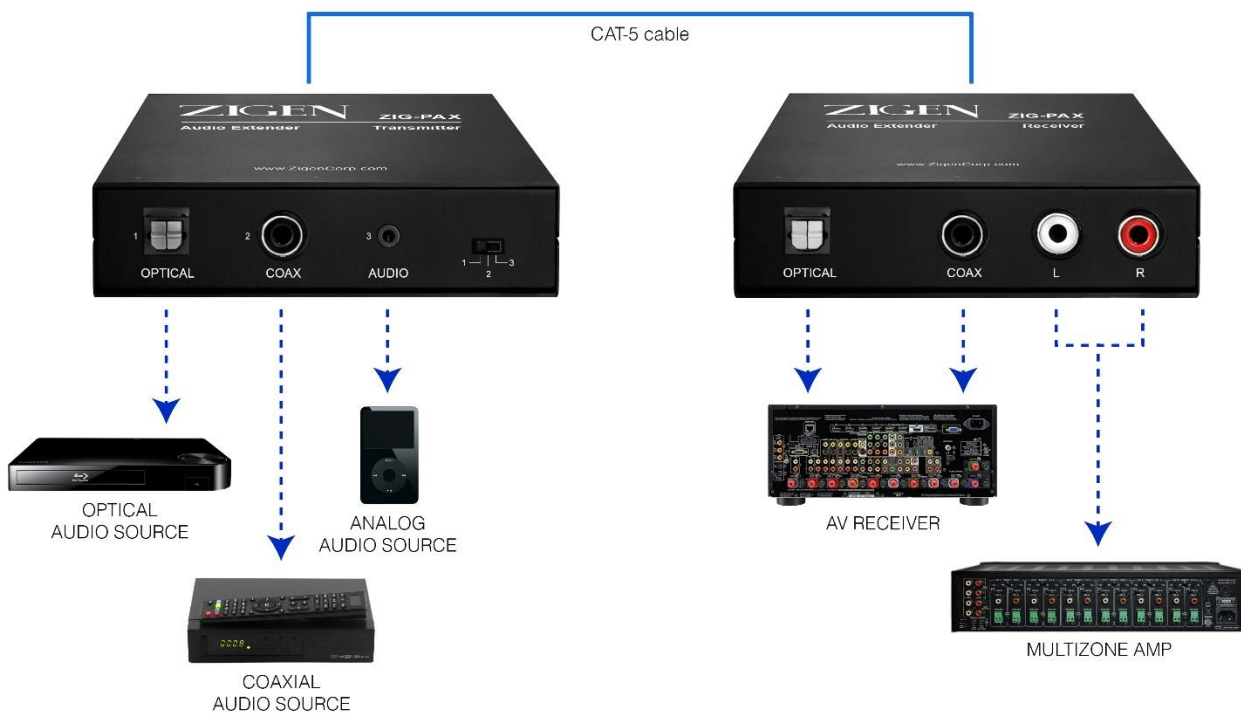**Receiver Back Panel**

1 FIRMWARE: Micro USB port for firmware update.

2 CAT-5 IN: R ports connects to the "CAT-5 OUT" port of Transmitter.

3 DC12V: port connects to 12VDC power adaptor.

4 POWER: Red power indicator.

Application Diagram

CAT-5 cable

OPTICAL   COAX   AUDIO   1 2 3

OPTICAL   COAX   L   R

TV

SPEAKER

Application Diagram

CAT-5 cable

OPTICAL   COAX   AUDIO   1 2 3

OPTICAL   COAX   L   R

OPTICAL
AUDIO SOURCE

ANALOG
AUDIO SOURCE

AV RECEIVER

COAXIAL
AUDIO SOURCE

MULTIZONE AMP

Specifications

Transmitter		Receiver	
Input	TOSLINK, COAX or ANALOG	**Input**	CAT-5 IN
Output	CAT-5 OUT	**Output**	TOSLINK, COAX & RCA (L+R)
General			
Audio Format	TOSLINK & COAX: PCM/Dobly/DTS; AUDIO: Stereo		
Sound Channel	TOSLINK & COAX: 2.0-7.1		
Frequency Response	20 Hz to 20 kHz, ±3 dB		
Sample Rate	TOSLINK & COAX: 48k/96k/192k 16bit/18bit/24bit		
Transmission Distance	Stereo: Up to 170m / 557 ft. (CAT5e/6) TOSLINK/COAX: Up to 290m / 951 ft. (CAT5e/6)		
Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: 12VDC, 1A		
Power Consumption	2.5W (Max)		
Operating Temperature	-10 ~ +55℃		
Humidity	10% ~ 90%		
Net Weight	Transmitter: 110 g / 0.243 lb. ; Receiver: 119g / 0.262 lb.		
Dimension(W*H*D)	88mm x 80mm x 21.5mm		