

# *PC/HD Audio over CAT5 Receiver at 100 Meters*

*Operation Manual*



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## **1. Introduction**

This is the receiver (Rx) unit of PC/HD audio over CAT5 solution, works with the transmitter that can extend PC/HD with Audio signal through CAT-5 cables for a distance up to 100 meters. The installation of PC/HD audio over CAT5 is easy and quick, simply place receiver next to your display, and get all necessary cables connected to complete and enjoy.

## **2. Features**

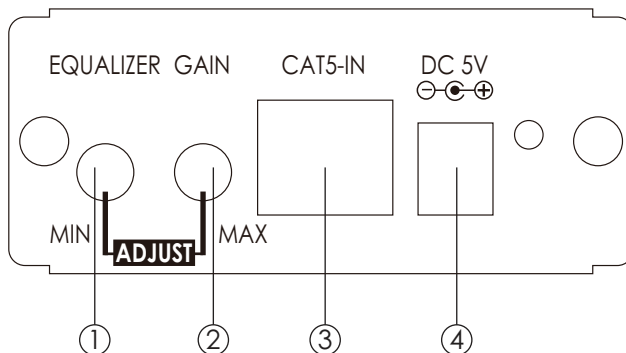
- Supports PC/RGB and HD/YCbCr/YPbPr format output.
- Supports CAT-5 cable.
- Supports high definition (HD) output source up to 1080P.
- Supports PC output source up to UXGA.
- Supports Dolby AC3/PCM 2Ch Toslink output audio
- The output signal will depend on the input source.
- Easy to install and simple to operate.

## **3. Package Contents**

- PC/HD audio over CAT5 receiver box.
- 5V/1A DC power supply adaptor.
- Operation Manual.

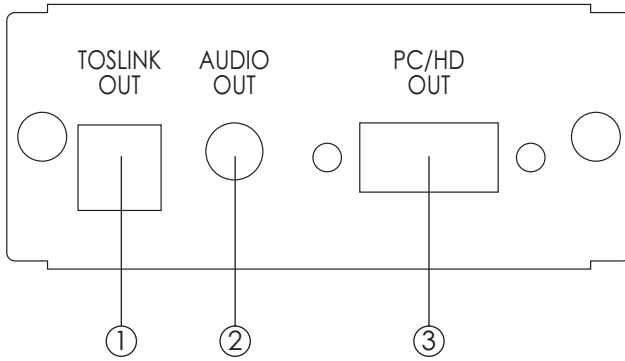
## 4. Operation Controls and Functions

### 4.1 Front Panel



1. EQUALIZER: Use this switcher to adjust signal enhancement over long distance.
2. GAIN: Use this switcher to adjust brightness.
3. CAT5-IN: Connected the video output to the video input of the CAT5 receiver unit using CAT-5 cable.
4. DC 5V/1A: Power input.

## 4.2 Rear Panel



1. Toslink output: Connected SPDIF output to the display audio input.
2. Audio output: Connected audio R/L output to the display audio input.
3. PC/HD output: Connect the PC/HDMI output port to the PC/HDMI input display with D-Sub 15pin cable.

## 5. Specifications

Supported Resolutions	HD: up to 1080p; PC: up to UXGA
Output Ports	VGA, Audio L/R or Toslink/SPDIF
Input Port	CAT-5
Audio Input	Toslink: Dolby AC3 / PCM 2CH L/R: PCM 2CH
Power Supply	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	99.5(W) x 77(D) x 32.5(H)
Weight(g)	200
Chassis Material	Metal
Silkscreen Color	Black/Silver
Operating Temperature	0°C ~ 40°C

### 5.1 Audio Performance

Input Level/Freq.	Output Terminal	Channel	Output Sample Rate	Reference Level Vrms/dB	THD+N <0.01%	SNR >80dB	Crosstalk <-60dB	NOTE
Analog L/R 1Vrms/1KHz	Analog	L	N/A	2.047	<0.01%	>80dB	<-60dB	Frequency:1KHz; Sample Rate:48KHz
		R		2.015	<0.01%	>80dB	<-60dB	
	Toslink	L	44.1KHz	-2.37	<0.01%	>80dB	<-60dB	
		R		-2.5	<0.01%	>80dB	<-60dB	
Input Level/Freq.	Output Terminal	Channel	Output Sample Rate	Reference Level	THD+N <0.01%	SNR >80dB	Crosstalk <-80dB	NOTE
Toslink -6dB/1KHz (32~192KHz)	Analog	L	N/A	1.35	<0.01%	>80dB	<-60dB	Frequency:1KHz; Sample Rate:48KHz
		R		1.35	<0.01%	>80dB	<-60dB	
	Toslink	L	32~192KHz	-6	<0.01%	>80dB	<-60dB	
		R		-6	<0.01%	>80dB	<-60dB	



## **Cypress Component over CAT5 series:**

<b>Product</b>	<b>Description</b>
CA-COMPAT	Component over CAT5 Transmitter
CA-COMP 50R	Component over CAT5 Receiver at 50 meters
CA-COMP 100R	Component over CAT5 Receiver at 100 meters



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20071128 MPM-COMP100R