

PC/HD Audio over CAT5 Transmitter

Operation Manual



CA-COMPAT

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1. Introduction

PC/HD Audio over CAT5 Transmitter is the transmitter (Tx) unit of PC/HD & Audio over CAT5 solution, depends on the type of receiver (Rx) unit used. The system can extend PC/HD & Audio signal through CAT-5 cables for a distance up to 50/100 meters. The installation of PC/HD Audio over CAT5 is easy and quick, simply place the system next to your display, and get all necessary cables connected to complete and enjoy.

2. Features

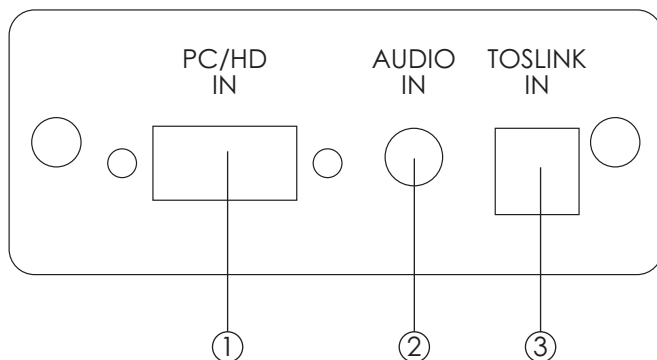
- Supports PC/RGB and HD/YCbCr/YPbPr format input.
- Supports CAT-5/CAT-5E/CAT-6 cable.
- Supports high definition (HD) input source up to 1080P.
- Supports PC output source up to UXGA.
- Supports Dolby AC3/PCM 2CH Toslink output audio.
- Supports Dolby AC3/PCM 2CH Toslink input audio.
- Easy to install and simple to operate.

3. Package Contents

- PC/HD Audio over CAT5 Transmitter.
- 5V/1A DC power supply adaptor.
- Operation Manual.

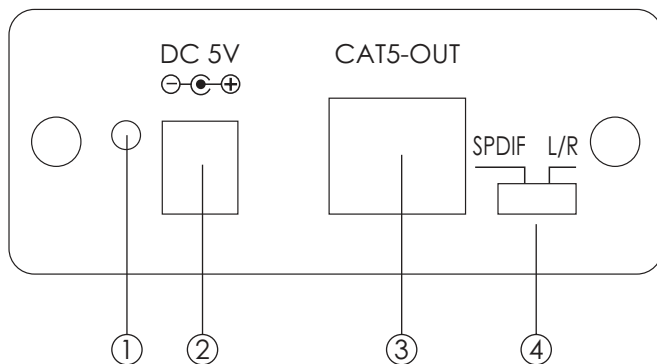
4. Operation Controls and Functions

4.1 Front Panel



1. PC/HD input: Connect the PC or HD input signal with D-Sub 15 pin cable from your source equipment.
2. Audio input: Connected external audio source.
3. Toslink input: Connected external SPDIF audio source.

4.2 Rear Panel



1. Power ON/OFF indicator.
2. DC 5V/1A: Power input.
3. CAT5-Out: Connected the video output to the video input of the CAT5 receiver unit using CAT-5 cable.
4. SPDIF/L/R switcher: Select output audio source (SPDIF or L/R).

5. Specifications

Supported Resolutions	HD: up to 1080p
Input Ports	VGA, Audio L/R and Toslink/SPDIF
Output 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 79.5(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		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:

Product	Description
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

