CA-DVI250R

DVI over CAT5 Receiver Box

Operation Manual

CA-DVI250R

Revision History

Version No	*Date*	*Summary of Change*
V1	***20090401***	***Preliminary Release***

Precaution

Failure to follow the precautions described below may cause damage to DVI over CAT 5 Transmitter and Receiver Box and void the warranty.

- DO NOT open the case. Doing so will void the warranty. If you find problem with it, please return back to your retailer or seller who will assist you or provide you with solution.
- DO NOT use third-Party AC adapter or power cord. Doing so may damage DVI over CAT 5 Transmitter and Receiver Box.
- DO NOT bump, jar or drop contents of the products as it may damage it and result in warranty void.
- DO NOT set any liquids or beverages on the drive as they may damage DVI over CAT 5 Transmitter and Receiver Box.

Table of Contents

1. Introduction

The DVI Receiver over CAT 5 is device that is used to receive DVI signals. Not only can this amazing piece of equipment receive an HD signal but it can also handle analog and digital audio signals too. Through the use of a DDC cable this device can also support HDCP and CEC. If you're looking around for a new and better way to view DVI video on a TV or display, then look no further then the DVI over CAT5 Receiver Box

2. Application

- Display your DVI/HDMI source in a room that's far away, up to 250m.
- Transfer analog/digital sound over long distances.

3. Contents

- DVI over CAT 5 Receiver 250M x 1
- Operational Manual x 1
- 5V/2.6A Power Adaptor x 1

4. System Requirements

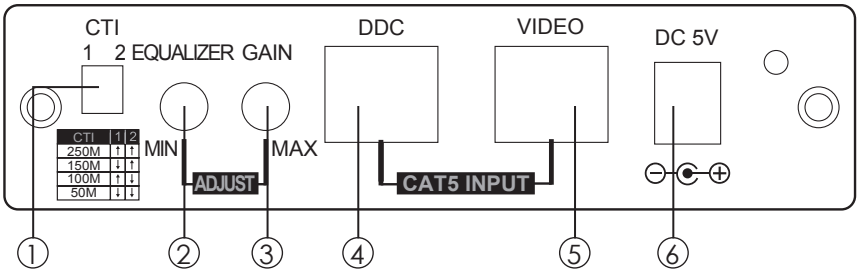
PC/DVI/HDMI source with DVI output connector, DVI to DVI or HDMI to DVI cable, CAT 5 cable and DVI display monitor or HDMI TV/Monitor.

5. Features

- Compatible with HDMI 1.2, HDCP 1.1 and DVI 1.0.
- Supports Equalizer, Gain, CTI (Color Transient Improvement) adjustment.
- Supports high definition input/output up to 1080P/UXGA.
- Easy to install and operate.
- Connects CAT 5 to DVI without any signal loss even after transferring 250meters.
- Supports DDC/HDCP signal transfer through DDC cable.
- Transmitter has built-in EDID
- Supports both external Coaxial and Stereo Sound.

6. Operation Controls and Functions

6.1 Receiver's Front Panel



① CTI dip switch – To optimize the CTI use the twin switches to set the operating distance.

CTI	1	2
150 - 250m	↑	↑
100 - 150m	↓	↑
50 - 100m	↑	↓
50 m ↓	↓	↓

② EQUALIZER – EQUALIZER – Turn this switch left or right in order to adjust for distortion during long distance transmission.

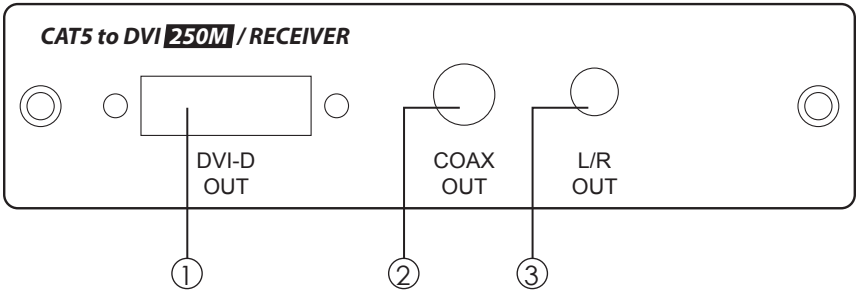
③ GAIN – To adjust the Brightness and Contrast turn the switch left or right

④ DDC CAT 5 INPUT – Connect the DDC input to the DDC output of the Transmitter with a CAT-5/CAT-5E/CAT-6 cable.
Note: For advanced users only, if it's known that DDC or HDCP data are required for the source and the display, you can use a single CAT-5 cable for Video connections.

⑤ VIDEO CAT 5 INPUT – Connect the VIDEO input to the Video output of the Transmitter with a CAT-5/CAT-5E/CAT-6 cable.

⑥ Power Jack – Plug the 5V / 2.6A power supply into the unit and connect the adaptor to an AC outlet.

6.2 Receiver's Rear Panel



① DVI-D OUT – Connect to the DVI/HDMI port of the display using either a DVI or DVI to HDMI cable.

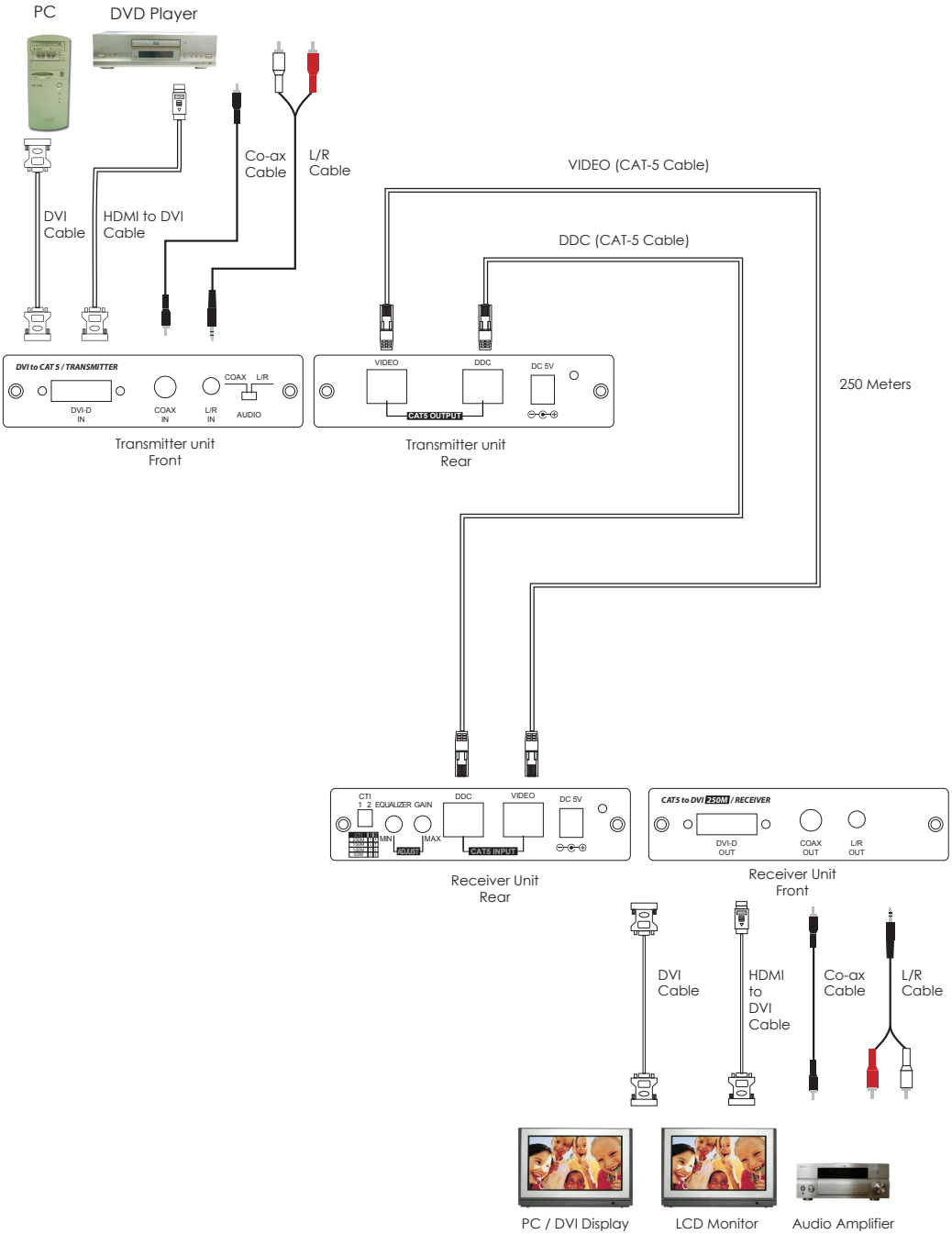
② COAX OUT – Connect to an audio amplifiers/audio devices input using a coaxial cable.

Note: This audio signal is received from CAT 5 in SPDIF format, so the LPCM sound will perform in 2CH's.

③ L/R OUT – Connect to an audio devices input using a 3.5mm phone jack.

Note: This audio channel only performs in Stereo sound only. When Dolby or DTS signal is sent no sound will be played.

7. Connection and Installation



8. Specifications

Transmitter Input port	1 x DVI-I female port (Accepts DVI-D signals only) 1 x Coaxial 1 x L/R Audio
Transmitter Output port	2 x CAT5 RJ 45 8pin
Receiver Input port	2 x CAT5 RJ 45 8pin
Receiver Output port	1 x DVI-I female port 1 x Coaxial 1 x L/R Audio
Resolution	HD- 480i/p 60, 576p 60, 720P 50/60, 1080i 50/60Hz, 1080p 50/60Hz PC- 640 x 480=VGA72, VGA75, VGA85 800 x 600=SVGA56, SVGA60, SVGA72, SVGA75, SVGA85 1024 x 768=XGA60, XGA70, XGA75, XGA85 1280 x 1024=SXGA60, SXGA75, SXGA85 1600 x 1200=UXGA60 1920 x 1200=Reduced blanking WUXGA
Power Supply	5V / 2.6A DC power supply
Dimensions (mm)	125 x 130 x 30 / each
Weight (g)	700 /each
Material	Aluminum
Color	Silver
Power Consumption	W

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