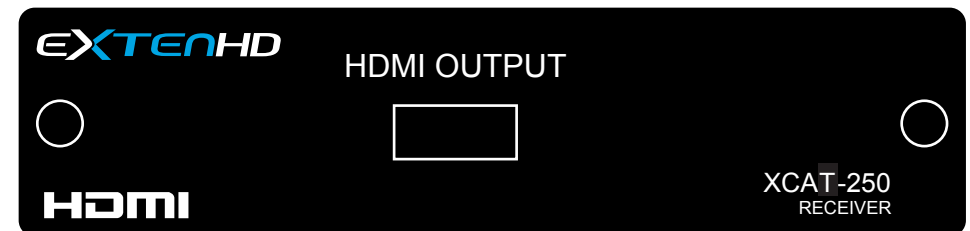




HDMI Over CAT5 Receiver at 820 feet (250 meters)

Model XCAT-250 Operation Manual

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Oakmont, PA 15139
www.extenHD.com
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PN 21765



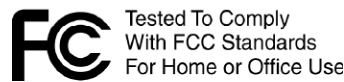
Caution:

IMPORTANT SAFEGUARDS FOR AUDIO PRODUCTS. PLEASE READ CAREFULLY THE FOLLOWING IMPORTANT SAFEGUARDS THAT ARE APPLICABLE TO YOUR EQUIPMENT

1. Read instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow instructions - Follow all operating and use instructions.
5. Water and Moisture - the appliance should not be used near water - for example: near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool.
6. Ventilation - The appliance should be located so that its location or position does not interfere with proper ventilation. For example: the appliance should not be situated on a bed, sofa, rug or similar surface that may block the ventilation openings.
7. Heat - keep away from heat sources such as radiators, registers, stoves or other heat-producing appliances .
8. Power sources - the appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
9. Grounding or polarization. - Precautions should be taken so that the polarization or grounding means of the appliance is not defeated. **Caution: To prevent electric shock, match the wide blade of this plug to the wide slot, fully insert. Do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.**
10. Power cord Protection - Power supply cords should be routed so they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and where they exit from the appliance.
11. Cleaning - Wipe unit with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents or strong detergents.
12. Nonuse periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
13. Object and Liquid entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
14. Damage requiring service - The appliance should be serviced by qualified personnel when: the power cord has been damaged, objects have fallen or liquids spilled into the appliance, the appliance has been exposed to rain, does not appear to operate normally or exhibits a marked change in performance or the unit has been dropped or the enclosure damaged.
15. Service - The user should not attempt to service the appliance beyond that described in the operating manual. All other servicing should be referred to qualified service personnel.

Notice to Users

The system may cause interference to a TV or radio even when it is operating properly. To determine whether the system is causing the interference, turn it off. If the interference goes away, the system is causing the interference.



NOTE: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio

frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is needed.
- Contact your dealer for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two Conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

One Year Limited Warranty

Sima Products Corporation, ("Sima") warrants that if the accompanying product proves to be defective to the original purchaser in material or workmanship within one (1) year from the original retail purchase, the Company will, at the its option, either repair or replace same without charge (but no cash refund will be made).

What you must do to enforce Warranty

You must deliver, mail or ship the product, together with the original bill of sale, this limited Warranty statement as proof of warranty coverage to:

**Sima Products Corporation
Attn: Customer Service
140 Pennsylvania Ave., Bldg. #5,
Oakmont, PA 15139**

Fax: 412-828-3775

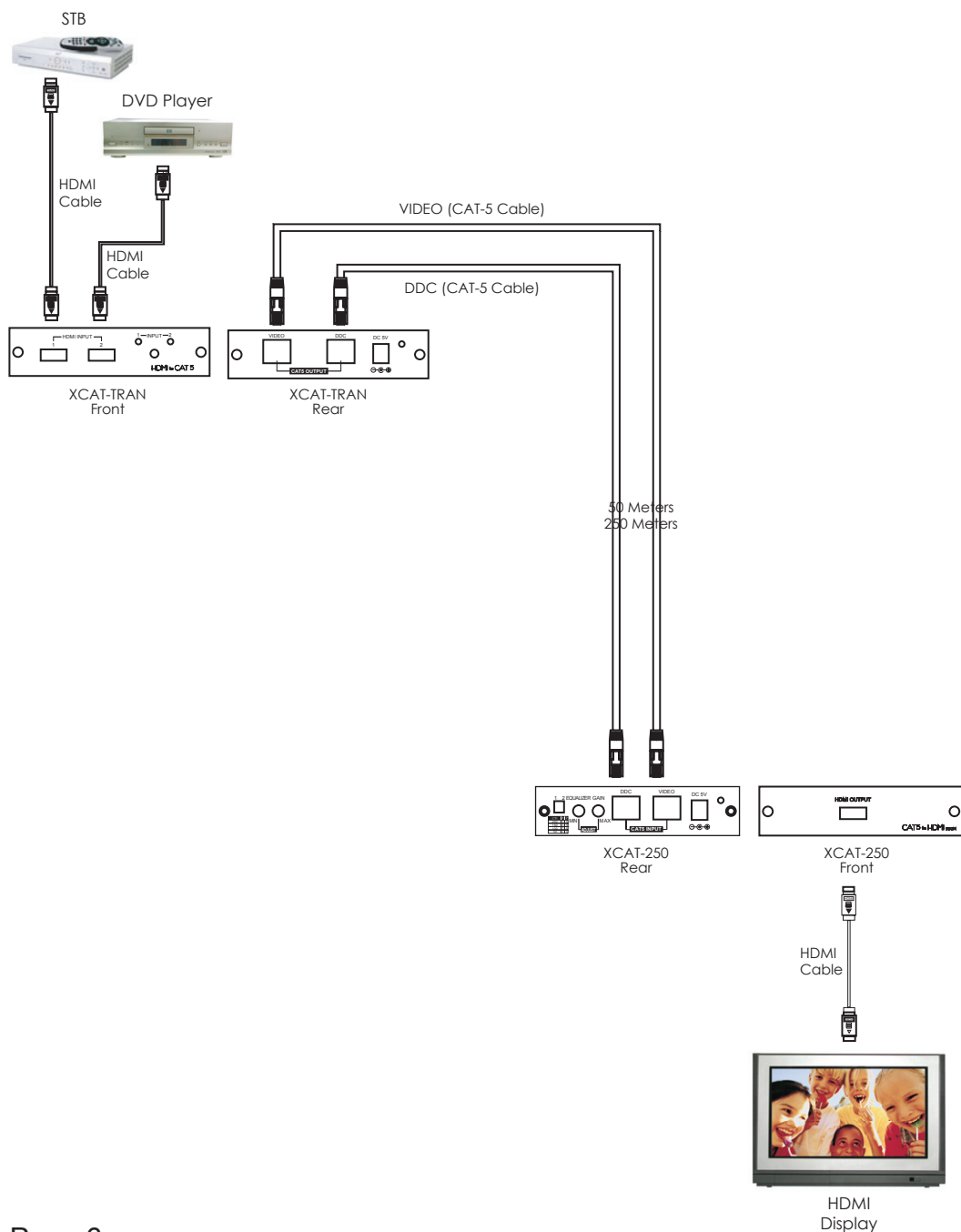
It is recommended that you call Sima Products Corporation before sending the unit in for service.

Limitation of Liability and Remedies

This warranty is void if any defects are caused by abuse, misuse, negligence or unauthorized repairs. All liability for incidental or consequential damages is specifically excluded. The Company shall have no liability for any damages due to lost profits, loss of use or anticipated benefits, or other incidental, consequential, special or punitive damages arising from the use of, or the inability to use, this product, whether arising out of contract, negligence, tort or under any warranty, even if the Company has been advised of the possibility of such damages. The Company's liability for damages in no event shall exceed the amount paid for this product. The Company neither assumes nor authorizes anyone to assume for it any other liabilities.

Some states do not allow for the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state to state.

Connection and Installation



Introduction

XCAT-250 is the receiver (Rx) unit of HDMI Over CAT5 Tx/Rx solution, works with XCAT-TRAN (the transmitter), can extend HDMI signal through CAT-5 cables for a distance up to 820 feet (250 meters). The installation of HDMI Over CAT5 is easy and quick. Simply place XCAT-TRAN next to your HDTV source such as a DVD player, then place XCAT-250 next to your display, and get all necessary cables connected to complete and enjoy.

Features

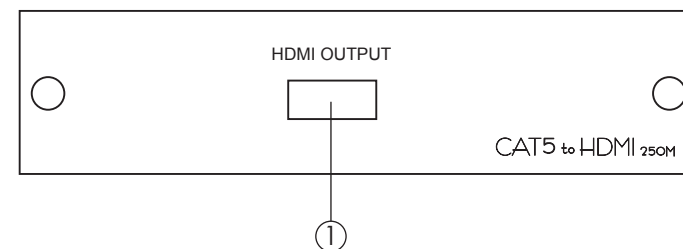
- Compliant with HDMI 1.2, HDCP 1.1 and DVI 1.0 specifications.
- Supports CAT-5/CAT-5E/CAT-6 cables of variable types.
- Supports high definition input up to 1080P, output resolution follows input.
- Easy to install and simple to operate.

Package Contents

1. XCAT-250 - HDMI Over CAT5 Receiver at 820 feet (250 meters)
2. 5VDC Power Supply Adaptor
3. Operation Manual (this document)

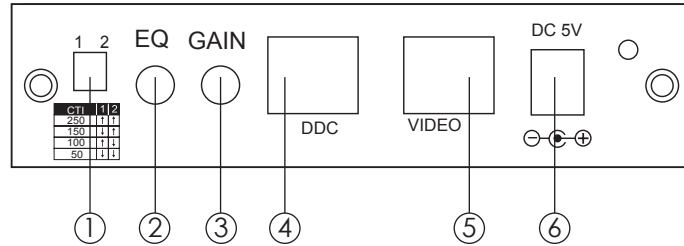
Operation Controls and Functions

Front Panel



HDMI OUTPUT: Connect the HDMI output port to the HDMI input of your display.

4.2 Rear Panel



- DISTANCE CONTROL JUMPER:** Before adjusting EQUALIZER and GAIN, use the twin jumpers to adjust to the optimized setting for different distance of connection first. (See chart below.)

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

- EQUALIZER:** Use this switch to adjust signal enhancement over long distances.
- GAIN:** Use this switch to adjust brightness.
- DDC INPUT:** Connect the DDC input to the DDC output of the transmitter unit using CAT-5/CAT-5E/CAT-6 cable. Note: For advanced user only, if it's known that the DDC or HDCP data are not required for both source and the display, you can use a single CAT-5 cable for the VIDEO connection only.
- VIDEO INPUT:** Connect the VIDEO input to the VIDEO output of the transmitter unit using CAT-5/CAT-5E/CAT-6 cable.
- POWER:** Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.

Specifications

Supported resolutions: HDMI - 480i/480p, 576i/576p, 720P@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz

- Input: 1 CAT-5 input for VIDEO, 1 CAT-5 input for DDC
- Output: 1 HDMI female port
- Power: 5V DC power supply
- Dimensions: 123(W) x 125(D) x 30(H)mm
- Weight: 700g