

HDMI Extender over 2 CAT5e with IR

Quick Installation Guide

1. Introduction

The Extender boosts up your video/audio transmission distance up to 60m in HDTV 720p / 1080i format. With two low cost CAT-5/5e/6 cables users can readily extend HDTV sources from DVD players, Blue-Ray Disc player, PS3, PC, and any other kinds of sources compliant with TMDS to distant display monitors including HDMI / DVI enabled TV sets or LCD PC monitors.

In addition, with the embedded infrared (IR) receiving and emitting units to facilitate the control path, users can enjoy high quality audio/video and control the HDMI sources from the remote site instantly.

1-1 Features and Benefits

- Extend the transmission distance up to 60 meters at 1080i or 720p
- Extend the transmission distance up to 40 meters at 1080p
- Minimize the cable skew by adjustable equalization with 8 levels
- Video Bandwidth: HDMI 1.3 compliant
- Provides independent DDC channel, fully HDCP compliant
- Embedded IR control path
- RJ-45 Connector: 2 indication LEDs

1-2 System Requirements

- PC system or Audio/Video devices with an available HDMI port

1-3 Package Contents

- HDMI Transmitting unit
- HDMI Receiving unit
- IR extended cable (IR emitter & IR receiver)
- Power Adapter
- Quick installation guide

1-4 Lay out



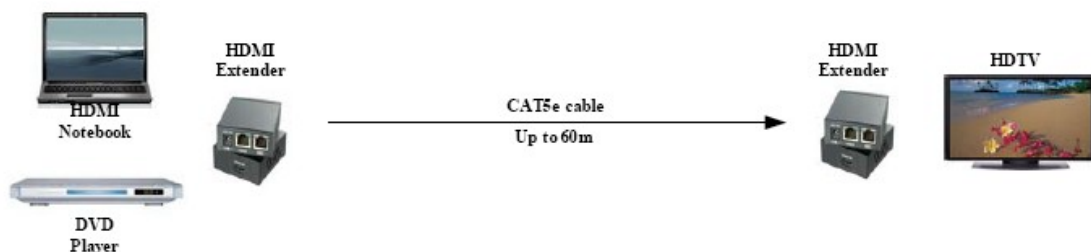
Transmitting unit



Receiving unit

Receiving EQ:

Adjust the 8-level equalization control knob to the received HDMI signals. 0-7 = strongest-weakest. It is recommended to switch from 7 to 0 to find the optimal visual experience.



HDMI extender over cat5 1.2 Application

2. Installation


2-1 Static Electricity Precaution

The **HDMI Extender over 2 CAT5e with IR** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the extender should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.


2-2 Hardware Installation

1. Connect your HDMI source (such as a DVD player) to the transmitting unit.
2. Connect the IR transmitting cable to the transmitting unit

AVS-57C-TX, and make the IR emitter  directly point to the IR of HDMI source.

3. Connect your HDMI display (such as an LCD TV or plasma TV) to

the receiving unit AVS-57C-RX.

4. Connect the IR receiving cable to the receiving unit AVS-57C-RX, and make the IR receiver  directly point to the user.
5. Connect your CAT-5/5e/6 cables between the transmitting and receiving units.
6. Make sure your CAT-5/5e/6 cables are tightly connected and not loose
7. Plug in 5V DC power cord to the power jack of the receiving unit
8. If a flickering or a blinking image is seen, try to adjust the rotational switch to improve the cable skew. 0 stands for the strongest EQ while 7 stands for the weakest. Try adjusting the EQ from 7 to 0

2-3 Notice

1. All the transmission distances are measured using Belden CAT-5e 125MHz and PlayStation3 as the HDMI source.
2. To reduce the interference among the unshielded twisted pairs of wires in CAT-5/5e/6 cable, you can use shielded CAT-5/5e/6 cables to improve EMI problems, which is worsen in the long transmission.
3. Because the quality of the CAT-5/5e/6 cables has the major effects in how long transmission distance will be made and how good is the received display, the actual transmission length is subject to your CAT-5/5e/6 cables. For resolution greater than 1280x1024, a CAT-6 is recommended.



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