

1. Introduction

The Legrand HDBase-T HDMI Extender (P/N AC1030) provides connection distances up to 100 meters (328 feet) for HDMI connected devices (ie. DVD to TV).

NOTE: Cat 6 strongly recommended for lengths over 125 feet to ensure fullest bandwidth support.

2. Description

The AC1030 HDBase-T HDMI Extender (see **Figure 1**) consists of a transmitter unit (with included power supply), and a receiver unit (with included power supply), which are connected over Cat 5e or Cat 6 cable up to 100m apart.

One application would be for a DVD player connected with a short HDMI cable (not included) to the transmitter, while an HD TV would be connected with a short HDMI cable (not included) to the receiver unit. There are also two 100Base-T ports on the transmitter unit, and two 100Base-T ports on the receiver unit, so the units can also be used to extend a LAN data network (see **Figure 3**).

Also supplied with the AC1030 (see **Figure 2**) is an IR transmitter and an IR receiver to allow for remote control of the DVD player from the TV location (for example).



Figure 1



Figure 2
(for use only with AC1030)

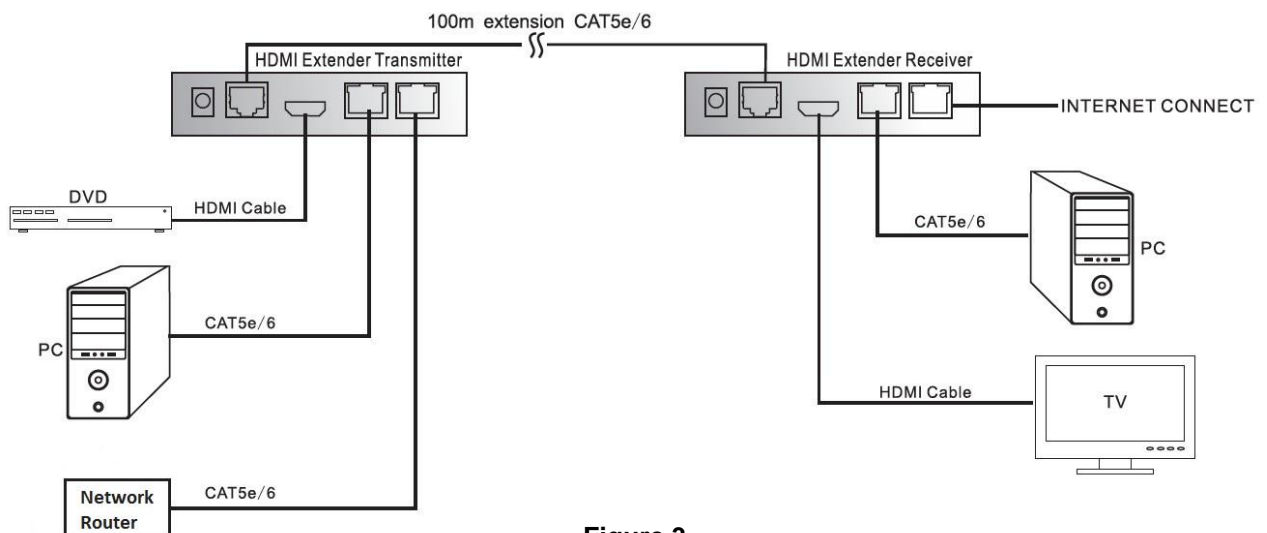


Figure 3

3. Installation

- As shown in **Figure 3**, install the AC1030 transmitter unit near the HDMI source device (such as a DVD player or projector) and install the AC1030 receiver near the receiving device (such as a TV).
- The DVD player or projector is connected to the AC1030 transmitter HDMI "IN" port with an HDMI cable (not included) and the TV is connected to the AC1030 receiver HDMI "OUT" port with an HDMI cable (not included).
- The AC1030 transmitter and receiver are then connected via a Cat 5e or Cat 6 cable up to 100m (328') in length to the port labeled as "HDBase-T" on each unit.
- The two ports labeled "100Base-T" on each unit may then be connected to any devices (such as PCs) or to an internet connection to extend a local LAN between units.
- On the opposite side of each unit from the HDMI and Cat 5e/6 connectors are two IR ports labeled "IR-RX" and "IR-TX" and several LEDs to indicate status (see **Figure 4**).

Figure 4



- To utilize the IR ports, connect the IR "RX" adapter to the "IR-RX" port on the AC1030 Receiver (typically at the TV location) and the IR "TX" adapter to the "IR-TX" port on the AC1030 Transmitter (typically at the DVD or projector location). This will allow you to use a remote control at the TV location to control the DVD player at a remote location (see **Figure 5**).

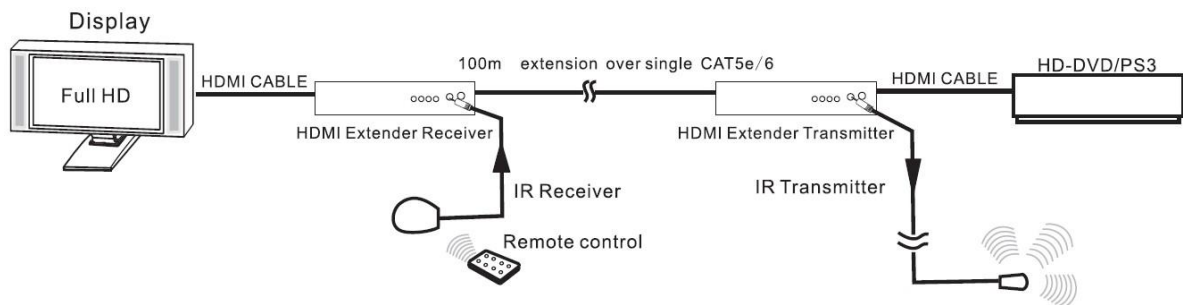


Figure 5

- When all connections have been made, plug the AC1030 Transmitter and Receiver units AC adapters into an AC source. This completes the installation.