

# Quick Start Guide

HDBaseT HD Extender with RS-232 and IR Support

GVE340  
PART NO. Q1527

www.iogear.com

## Package Contents

- |                                     |                              |
|-------------------------------------|------------------------------|
| 1 x GVE340 Transmitter              | 2 x Terminal blocks          |
| 1 x GVE340 Receiver                 | 1 x Quick Installation Guide |
| 1 x Power Adapter (For transmitter) | 1 x Warranty Card            |
| 2 x IR Extender cables              |                              |

## System Requirements

- HDMI output from source
- HDMI input to display

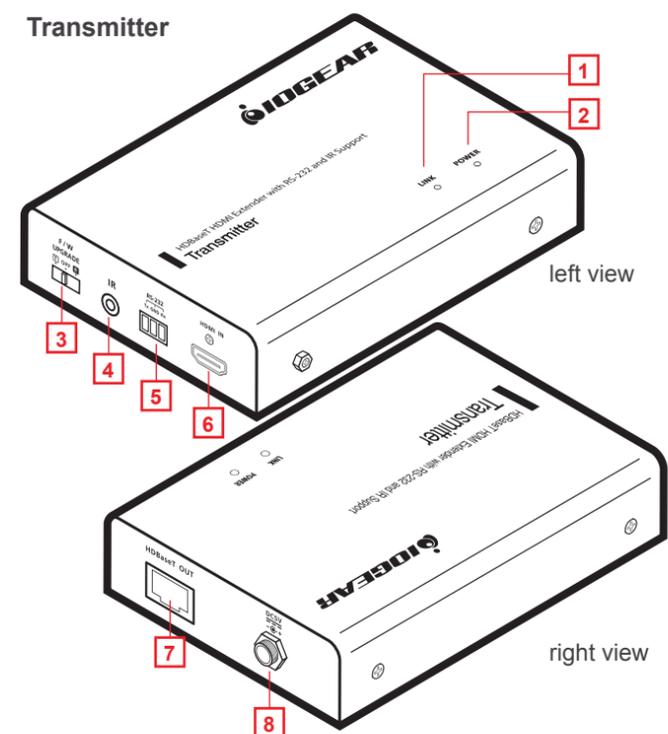
## Introduction

The GVE340 HDMI HDBaseT-Lite Extender extends an HDBaseT signal up to 70m from the HDBaseT source using one Cat 5e/6/6a cable. GVE340 supports RS-232 and IR signal pass-through, allowing you to control the HDMI source device from the remote unit (GVE340R) while also allowing access to the HDMI display device from the local unit (GVE340T) as an HDMI local pass-through. IR signals can also be extended in both directions.

The GVE340 features Power over HDBaseT (POH) which can send power over Cat 5e/6/6a cable without an additional power supply. The GVE340 is HDMI (3D, Deep Color, 4k) and HDCP compatible. The GVE340 is perfect for a digital entertainment center or any installation that requires superior video quality.

## Overview

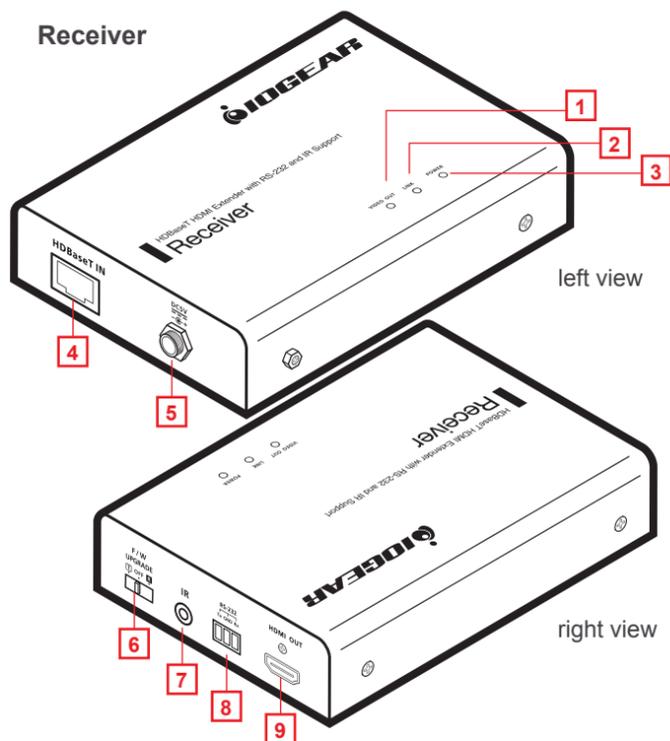
### Transmitter



- |                                     |                        |
|-------------------------------------|------------------------|
| 1. Link LED                         | 5. RS-232 Port         |
| 2. Power LED                        | 6. HDMI Input Port     |
| 3. F/W Upgrade Port and Switch      | 7. HDBaseT Output Port |
| 4. IR Port (Connect to IR Receiver) | 8. Power Jack          |

## Overview

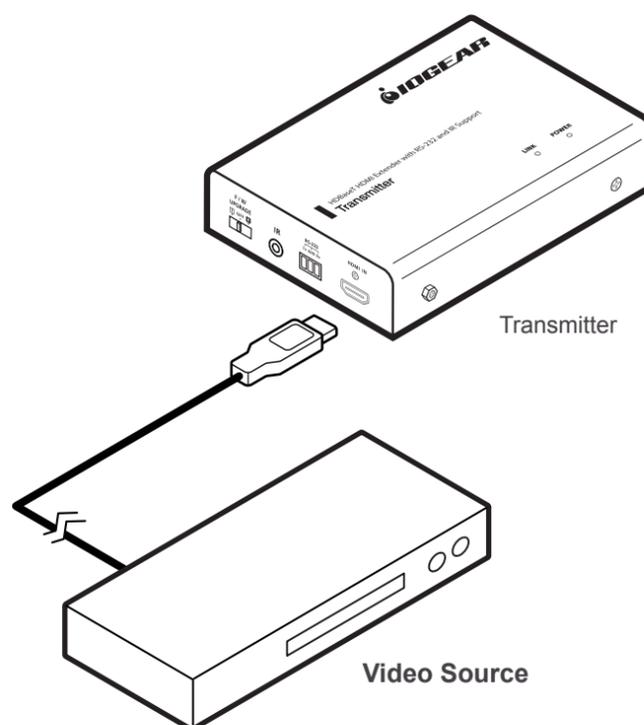
### Receiver



- |                          |                                     |
|--------------------------|-------------------------------------|
| 1. HDMI Out LED          | 6. F/W upgrade switch               |
| 2. Link LED              | 7. IR Port (Connect to IR Receiver) |
| 3. Power LED             | 8. RS-232 Port                      |
| 4. HDBaseT Input Port    | 9. HDMI Output Port                 |
| 5. Power Jack (Optional) |                                     |

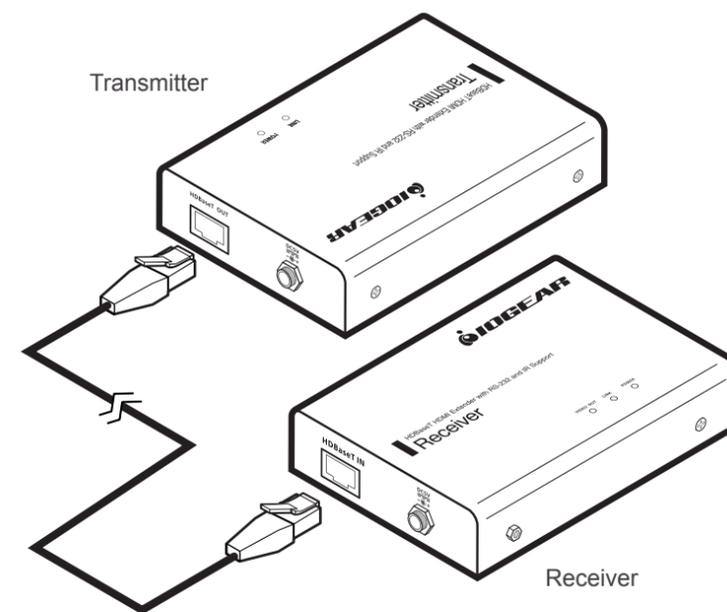
## Hardware Installation

1. Connect the HDMI Input Port on the GVE340T to the HDMI Output Port on your video source device using HDMI cable.



## Hardware Installation

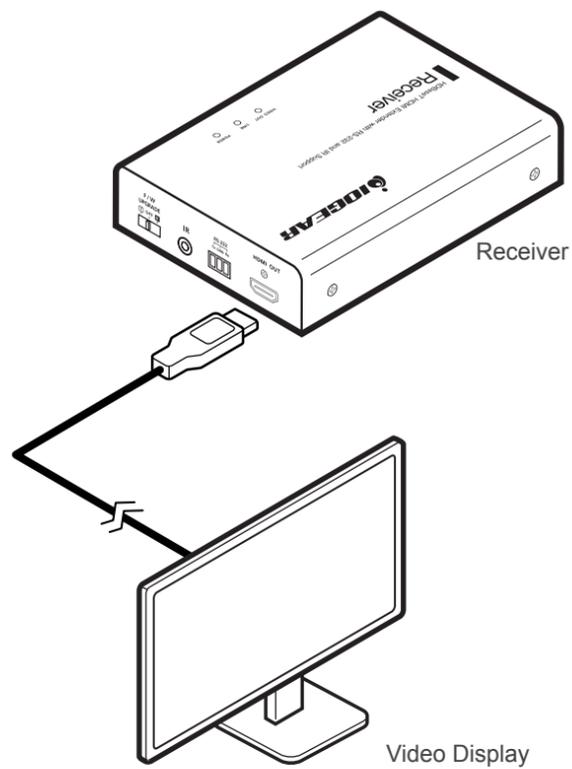
2. Connect one end of the RJ-45 cable to the HDBaseT output port on the transmitter. Then connect the other end of the RJ-45 cable to the HDBaseT input port on the receiver.



## Hardware Installation

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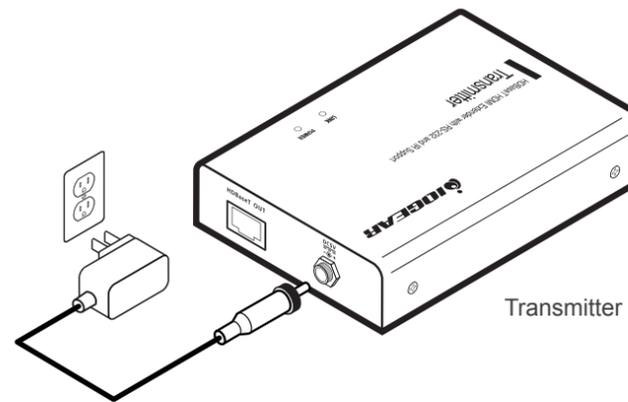
3. Connect the HDMI Output Port on the GVE340R to the HDMI Input Port on your video display device using HDMI Cable.



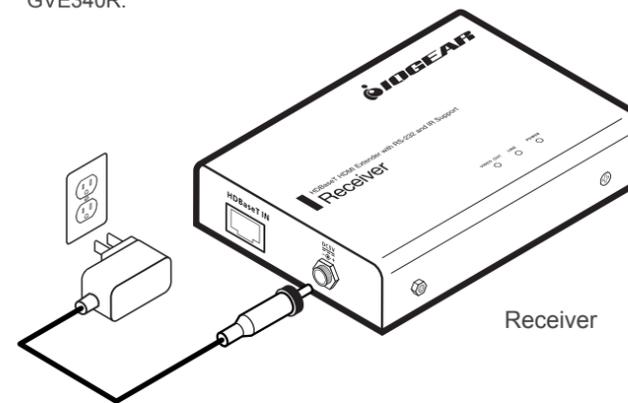
## Hardware Installation

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4. Plug the power adapter cable into the power jack on the GVE340T.



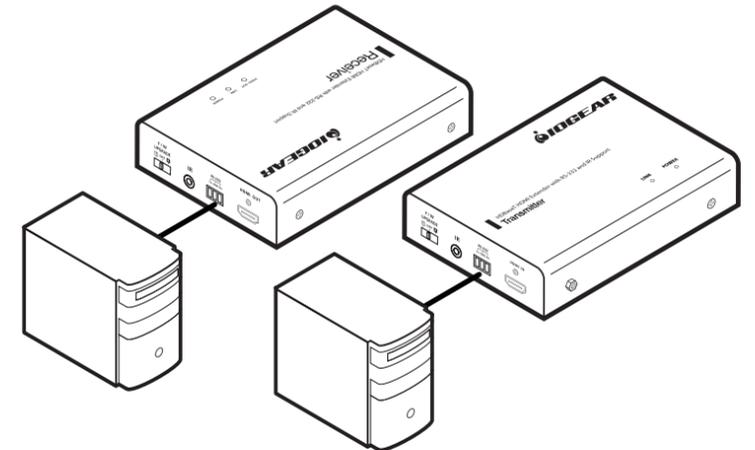
5. (Optional) Plug the power adapter cable into the power jack on the GVE340R.



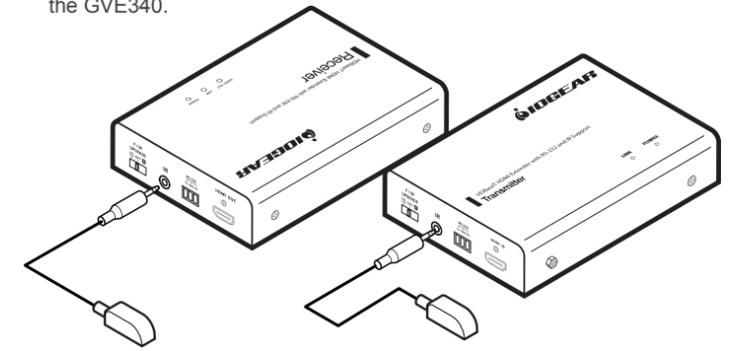
## Hardware Installation (optional)

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6. (Optional) Connect your computer or controller system to the terminal block on the GVE340 to serial commands.



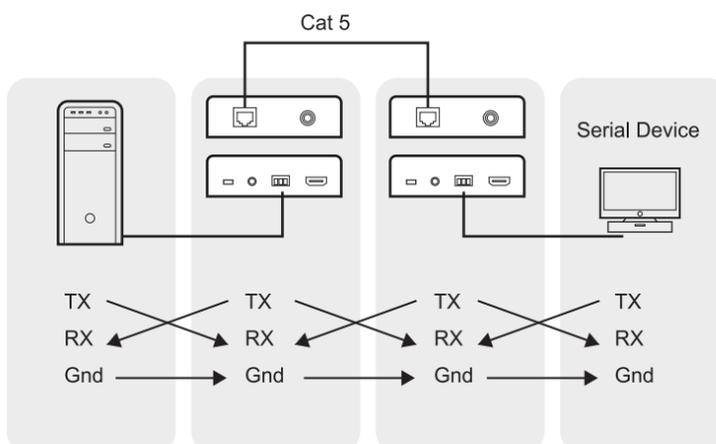
7. (Optional) Connect an IR Transmitter/Receiver to the IR port on the GVE340.



## RS-232 Channel Transmission

You can connect RS-232 serial devices/peripherals to the GVE340, such as touchscreens or bar code scanners. The RS-232 signal transmission flow is shown in the following example:

From a source device, the RS-232 signal is transmitted (Tx) to the GVE340T receiving (Rx) unit; the GVE340R transmits (Tx) signals to the display device (Rx).



## Compliance Information

**Federal Communications Commission Interference Statement**  
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**FCC Caution:**  
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## Limited Warranty

This product carries a 3 Year Warranty. For the terms and conditions of this warranty, please go to <http://www.iogear.com/support/warranty>

Register online at <http://www.iogear.com/register>

Important Product Information

Product Model \_\_\_\_\_

Serial Number \_\_\_\_\_

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