

Product overview

Celerity Universal Fiber Optic Gateway (UFO-G) products are designed for high performance, dependability and convenient installation in professional AV applications. The UFO-G-TXCB (transmitter) and UFO-G-RXCB (receiver) control boxes support HDMI 2.0, RS232, IR, Ethernet 10/100 and in UFO-G-U models only, USB 2.0 is also supported. USB 2.0 is useful for video camera and hard drive disk applications.

UFO-G-TXCB and UFO-G-RXCB work in pairs and are connected via a Celerity Universal Fiber Optic Cable from 35' to 1000'. UFO-G-CB units may be interchanged with other Celerity Universal Fiber Optic products such as UFO-G-TXWP and UFO-G-RXWP (Wall Plate) transmitters and receivers for system flexibility.

Included items

Universal Fiber Optic Gateway (TX)

1 each:

UFO-G-TXCB

Mounting bracket

AC/DC power adapter (5V/200mA)

User guide

Universal Fiber Optic Gateway (RX)

1 each:

UFO-G-RXCB

Mounting bracket

AC/DC power adapter (5V/200mA)

User guide

Installing the Universal Fiber Optic Gateway

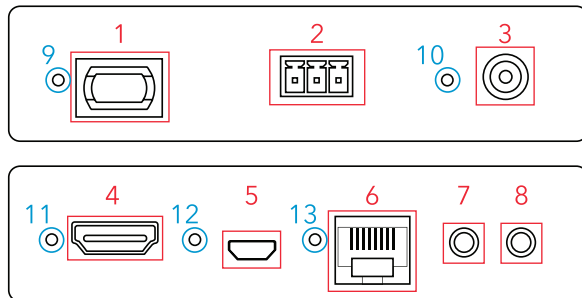
1. Pre-wire the Celerity Universal Fiber Optic Cable in the required pathway between the source location and the display location. At each end of the Celerity fiber optic cable there is an MPO connector which will plug into the UFO-G-TXCB and UFO-G-RXCB units.
2. Place the UFO-G-TXCB at the source location and the UFO-G-RXCB at the display location.
3. Connect the Celerity fiber optic cable to each UFO-G control box by plugging in the cable to the port labeled "UFO" on the control box.

A screw-on mounting bracket is included with each UFO-G Control Box and may be used as needed.

LED display indicators

On the UFO-G-TXCB and UFO-G-RXCB are blue LEDs which illuminate when the cables are correctly connected. The LED for the fiber optic cable connection illuminates with the cables connected and the UFO-G-CB are powered.

Control box, transmitter



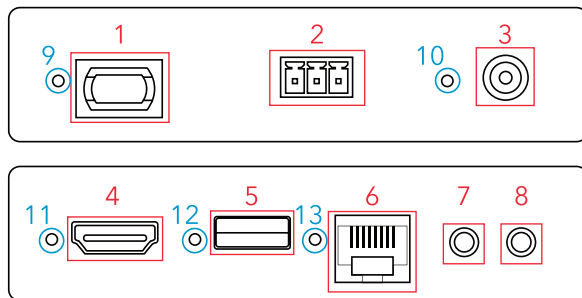
Connectors:

- | | | | |
|---|---------|---|--------------------------|
| 1 | UFO MPO | 5 | USB Micro (UFO-G-U only) |
| 2 | RS232 | 6 | Ethernet |
| 3 | Power | 7 | IR Out |
| 4 | HDMI | 8 | IR In |

LEDs:

- | | |
|----|---|
| 9 | Lit when fiber optic cable is connected |
| 10 | Lit when powered |
| 11 | Lit when HDMI is connected |
| 12 | Lit for USB activity |
| 13 | Lit for Ethernet data activity |

Control box, receiver



Connectors:

- | | | | |
|---|---------|---|---------------------------|
| 1 | UFO MPO | 5 | USB Type A (UFO-G-U only) |
| 2 | RS232 | 6 | Ethernet |
| 3 | Power | 7 | IR Out |
| 4 | HDMI | 8 | IR In |

LEDs:

- | | |
|----|---|
| 9 | Lit when fiber optic cable is connected |
| 10 | Lit when powered |
| 11 | Lit when HDMI is connected |
| 12 | Lit for USB activity |
| 13 | Lit for Ethernet data activity |

Support

For further assistance, contact support@celeritytek.com or call 949.453.9988 from 9:00a until 5:30p Pacific Time.

Transmitter connections - UFO-G-TXCB

Connect an HDMI High Speed cable (not included) from the source to the HDMI port (port 4) on the UFO-G-TXCB.

Connect control wires to the 3 pin RS-232 Phoenix connector (port 2) as required by RS-232 standards.

Connect an IR emitter (not included) to the IR OUT port (port 7). IR information sent from the UFO-G-RXCB connected to UFO-G-TXCB will be emitted for the purpose of controlling a component with an IR remote (place the emitter over a component's IR window).

Connect an IR receiver (not included) to IR IN port (port 8). The IR receiver will send IR information from the UFO-G-TXCB to the UFO-G-RXCB for the purpose of controlling a component attached to the UFO-G-TXCB.

Connect USB 2.0 cable micro connector (not included) to port 5 (UFO-G-U only).

Connect Ethernet cable (not included) from your network to UFO-G-TXCB "Ethernet" input (RJ45 female, port 6).

Connect the AC-DC power adapter to the power connector on the UFO-G-TXCB (port 3) to AC main power connection. The LED to the side of the power port of UFO-G-TXCB will illuminate when power is activated.

Receiver Connections - UFO-G-RXCB

Connect an HDMI High Speed cable (not included) from the display to the HDMI port (port 4) on the UFO-G-RXCB.

Connect control wires to the 3 pin RS-232 Phoenix connector (port 2) as required by RS-232 standards.

Connect an IR emitter (not included) to the IR OUT port (port 7). IR information sent from the UFO-G-TXCB connected to UFO-G-RXCB will be emitted for the purpose of controlling a component with an IR remote (place the emitter over a component's IR window).

Connect an IR receiver (not included) to IR IN port (port 8). The IR receiver will send IR information from the UFO-G-RXCB to the UFO-G-TXCB for the purpose of controlling a component attached to the UFO-G-RXCB.

Connect USB 2.0 cable Type A connector (not included) to port 5 (UFO-G-U only).

Connect Ethernet cable (not included) from your network to UFO-G-RXCB "Ethernet" input (RJ45 female, port 6).

Connect the AC-DC power adapter to the power connector on the UFO-G-RXCB (port 3) to AC main power connection. The LED to the side of the power port of UFO-G-RXCB will illuminate when power is activated.

Example connection diagram

