AC-EX70-UHD-KIT

QUICK START GUIDE

The AVPro Edge AC-EX70-UHD-KIT is a cost effective, HDMI extender using HDBaseT protocol for transmitting HDMI, IR and RS-232 signals up to 70 meters (depending on resolution) for the commercial and residential A/V markets. This quick start guide is to acquaint you with the products, their features, and get the kit up and running. For more details, please see the full manual.

This quick start guide will go through:
- AC-EX70-UHD-T
- AC-EX70-UHD-R
- Installation/Recommended Connection Order
- RS-232 Configuration
- IR Configuration
- Troubleshooting

AC-EX70-UHD-T
LED Indicators (see images below for unit orientation and led location)

POWER – on the rear of the unit, to the right of the universal power symbol, the led will illuminate red to indicate power is connected to the 48v input (on the far left of the chassis). It will also show red when using the bidirectional power option, by connecting power to the AC-EX70-UHD-R and both units connected via category cabling.

RED indicates the unit is active; if power is expected but the led is not illuminated, check connections for power and the category wire to both units. Verify the power supply is connected to an active mains outlet

SIGNAL – on the front of the unit to the right of the HDMI port, the led will illumintate BLUE to indicate a source is present at the HDMI port.
The LED indicates the following status:
- A steady, solid blue light indicates sync with the source is correct.
- Flashing indicates sync acquisition is in progress. If the led continues flashing, an image may not be present (see troubleshooting suggestions for possible solutions)
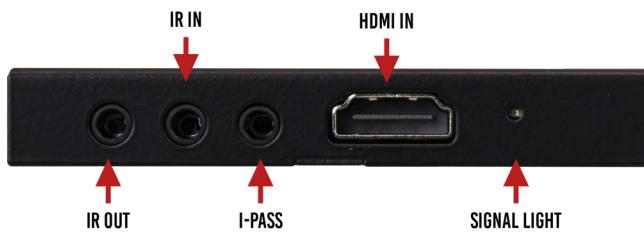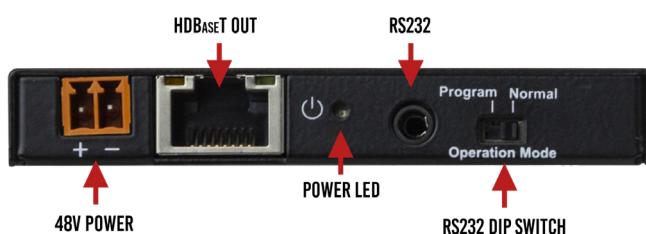
AC-EX70-UHD-R
LED Indicators (see images below for unit orientation and led location)

POWER – The receiver is powered identical to the transmitter. At the rear of the unit, it may be powered by the 48v power supply directly, or via the connecting category cable. RED indicates power is connected correctly and the unit is active. If the LED is not illuminated, check where power is applied. If the power supply is connected to the AC-EX70-UHD-T, verify the RJ-45 connections for the category cable are intact.

SIGNAL – As with the AC-EX70-UHD-T, a BLUE led provides status information of the unit. Solid blue from the led indicates proper hdmi sync; continuous flashing indicates sync has not been made and no image may be present.

INSTALLATION

1. Connect category cable into the hdbaset output on the transmitter to the HDBaseT input on the receiver.
2. Connect the 48v power supply to the molex power socket at either the transmitter or receiver.
3. Connect an HDMI cable to the source output port, then connect this HDMI cable to the transmitter HDMI input port. AVPro Edge recommends HDMI cables no shorter than 2 meters in length. HDMI cables less than 2 meters challenge the HDCP timing check and the shorter distance may prevent sync from taking place.
4. Connect an HDMI cable to the display input port, then connect this HDMI cable to the receiver HDMI output port.

RS232 DIP SWITCH CONFIGURATION

- The dip switch default is "normal", which positions the switch to the right. This is the standard operating mode and allows for RS-232 pass through.
- Positioning the dip switch to the left is the program mode and for updating only. Commands will no pass through in this position.

IR CONFIGURATION
There are three modes for IR use. AVPro Edge recommends using the IR emitter from the kit and refrain from using "flashing" IR emitters as they may not function properly or fail prematurely.

1. **From the Source/Transmitter End:** connect an ir sensor to the ir-in port on the AC-EX70-UHD transmitter to send an ir command to the AC-EX70-UHD-R. On the receiver, connect an IR emitter to the IR-out port and affix to the intended device.
2. **From the Destination/Receiver End:** connect an ir sensor to the IR-in port on the AC-EX70-UHD-R. On the transmitter, connect an IR emitter to the IR-out port and affix to the intended device.

3. **Control System Direct:** connect one end of a mono 3.5mm cable to any IR-out port on the third party control system. Connect the opposite end into the I-pass port on the AC-EX70-UHD-T. On the AC-EX70-UHD-R, connect an IR emitter to the IR-out port and affix to the intended device.

TROUBLESHOOTING

Verify all connections. For field terminated cable ends, verify ends match per eia 568a or 568b and all wires are properly terminated. AVPro Edge does not recommend "pass-through" or "easy end" termination techniques for HDBaseT equipped products.

In the event the AC-EX70-UHD-KIT is not functioning, or functioning as anticipated, please check the following suggestions:

For the AC-EX70-UHD-T, if the blue led is flashing, check the following:

1. Verify the source is active. Use a Murideo Fox & Hound testing kit, a Murideo SIX-A, or directly connect the source at the display. Test the source with the HDMI cable you intend to use in the installation.
2. As a test, substitute an HDMI cable at least 2 meters in length. HDMI cables less than 2 meters challenge the hdcp timing check and the shorter distance may prevent sync from taking place.
3. If the problem persists, contact AVPro Edge technical support.

If the RED LED power light is not illuminated, verify power connections at the 48v power inlet, or if powered over the category cable using the bidirectional power option, verify the RJ-45 connection.

For the AC-EX70-UHD-R, if the BLUE LED is flashing, check the following:

1. Substitute an HDMI cable 2 meters in length or longer. HDMI cables less than 2 meters challenge the HDCP timing check and the shorter distance may prevent sync from taking place.
2. Try a different HDMI input on the display.
3. If the problem persists, contact AVPro Edge technical support.

IR ISSUES

Verify connections, correct port matching, and intended direction of signal flow. "Flashing" IR emitters are not recommended as they may not function properly or may prematurely fail, AVPro Edge recommends using the ir cables supplied with the kit if the lengths are suitable.

HAVE A QUESTION OR NEED ASSISTANCE?
DON'T HESITATE TO CONTACT US!

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