EDID Emulator for 4K HDR Signals

AT-ETU-SYNC



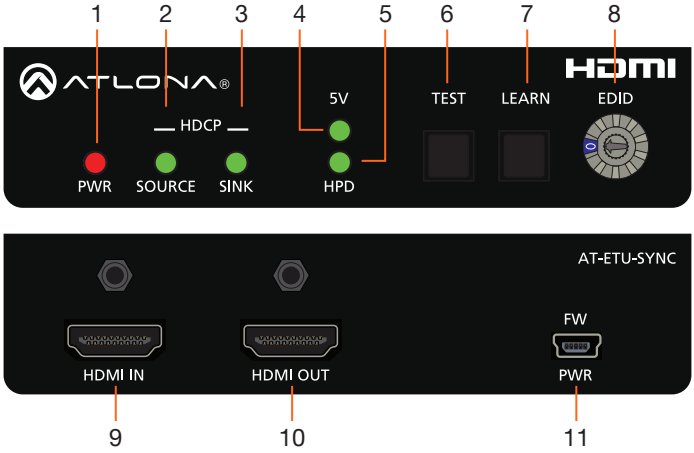
The Atlona Etude™ Sync (AT-ETU-SYNC) provides EDID emulation and Hot Plug Detect communication between HDMI® sink and source devices. It detects and corrects for signal integrity issues associated with cabling or connections, and can resolve compatibility problems between a source and destination. The Etude Sync is compatible with high dynamic range (HDR) formats and is HDCP 2.2 compliant. It supports 4K/UHD video @ 60 Hz with 4:4:4 chroma sampling, as well as HDMI data rates up to 18 Gbps. In addition to addressing HDMI signal and device-related issues, the Etude Sync reports HDCP compliance at the source and destination, and can manage EDID communication with the source. This device is ideal for AV system troubleshooting as well as ensuring reliable, consistent performance.

Package Contents

1 x AT-ETU-SYNC
1 x 5V DC / 1.2A power supply
1 x Mounting brackets (pair)
1 x Installation Guide

IMPORTANT: Visit http://www.atlona.com/product/AT-ETU-SYNC for the latest firmware updates.

Panel Descriptions



1 **PWR**
This LED indicator will glow red when the unit is powered.

2 **SOURCE**
This LED indicator will glow green if the source is HDCP compliant.

3 **SINK**
This LED indicator will glow green if the sink (display) is HDCP compliant.

4 **5V**
This LED indicator will glow green if a 5V signal is received from the source.

5 **HPD**
This LED indicator will glow green when the unit receives a Hot-Plug Detect signal from the sink.

6 **TEST**
Press this button to run the test procedure.

7 **LEARN**
Press this button to program the AT-ETU-SYNC with an EDID from a sink device.

8 **EDID**
Turn this dial to select the desired EDID mode.

9 **HDMI IN**
Connect an HDMI cable from the source to this port.

10 **HDMI OUT**
Connect an HDMI cable from the sink (display) to this port.

11 **FW / PWR**
Connect the included power supply to this port.

Installation

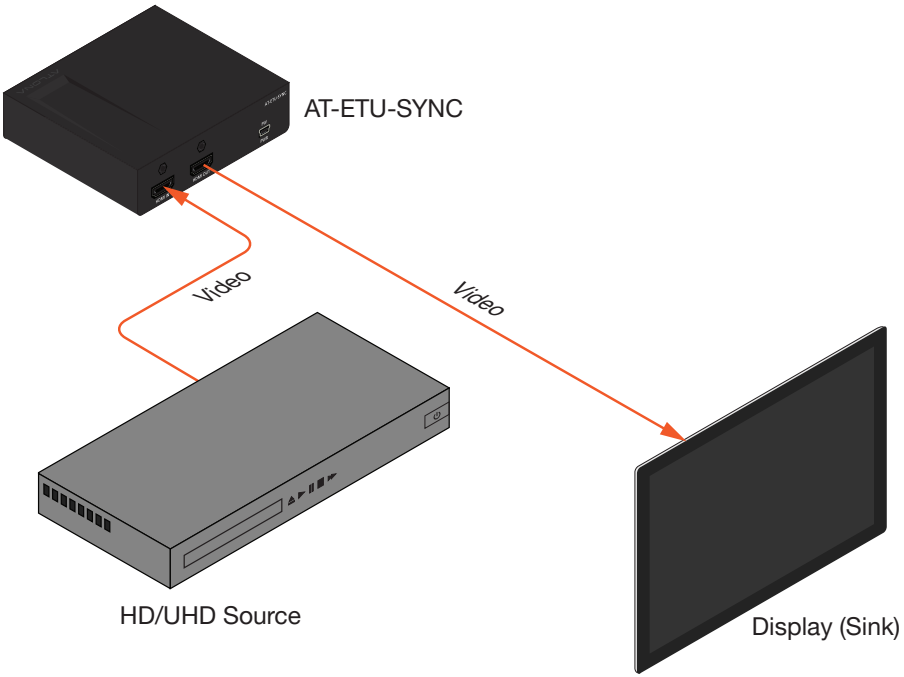
1. Connect an HDMI cable from the source to the **HDMI IN** port on the AT-ETU-SYNC.
2. Connect an HDMI cable from the sink (display) to the **HDMI OUT** port on the AT-ETU-SYNC.

IMPORTANT: The AT-ETU-SYNC is an HDR device. For best performance, use premium HDMI cables that are HDR-certified. The HDMI cable between the display (sink) and the AT-ETU-SYNC should not exceed 15 feet (4.5 meters).

3. Connect the included 5V DC power supply to the **FW / PWR** port on the AT-ETU-SYNC.
4. Connect the 5V DC power supply to an available AC outlet.

Connection Diagram

The illustration below, shows the proper location of the AT-ETU-SYNC in a basic source-sink setup. The location of the AT-ETU-SYNC will vary, depending on the system. Before using the AT-ETU-SYNC as an EDID emulator, an EDID must be selected or programmed.

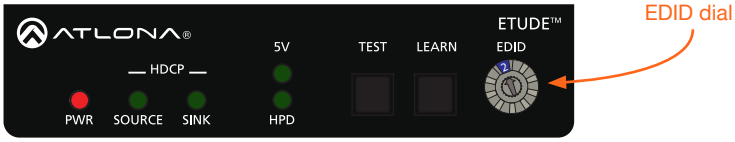


Selecting an EDID

The AT-ETU-SYNC includes 10 EDID modes, which can be selected using the **EDID** dial. Refer to the User Manual for information on EDID mode 0 and programming.

Mode	Resolution / Audio Support	Mode	Resolution / Audio Support
0	Programming mode	5	4K 60 4:2:0 / multichannel (HD lossless)
1	1080p 3D / 2 channel	6	4K 60 4:2:0 HDR / 2 channel
2	1080p 3D / multichannel (lossless)	7	4K 60 4:2:0 HDR / multichannel (HD lossless)
3	1080p DVI	8	4K 60 4:4:4 8-bit / 2 channel
4	4K 60 4:2:0 / 2 channel	9	4K 60 4:4:4 8-bit / multichannel (HD lossless)

1. Rotate the EDID dial to the desired EDID mode (0 - 9). Refer to the table above for a listing of available EDID modes.



IMPORTANT: By default, EDID mode 0 is blank. Refer to the User Manual for information on using EDID mode 0 and programming.

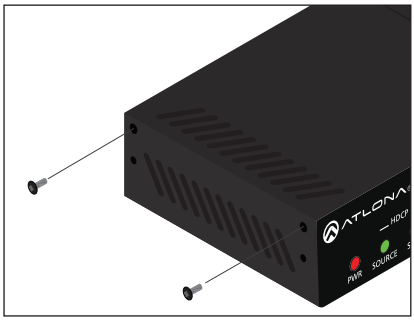
2. Connect an HDMI cable from the display to the HDMI OUT port on the AT-ETU-SYNC.
3. Connect another HDMI cable from the source to the HDMI IN port on the AT-ETU-SYNC.
4. Power the display.
5. Connect the 5V DC power supply between the FW / USB port, on the AT-ETU-SYNC, and an available AC outlet.
6. Power the source.
7. Power the sink device.
8. The source will use the selected EDID mode when sending audio/video data to the sink device.

NOTE: The **EDID** dial can be set to any EDID mode, while the AT-ETU-SYNC is powered and connected to the system.

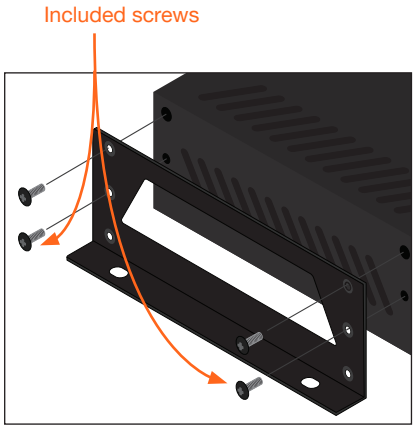
Mounting Instructions

The AT-ETU-SYNC includes two mounting brackets and four mounting screws, which can be used to attach the unit to any flat surface.

1. Using a small Philips screwdriver, remove the two screws from the left side of the enclosure.



2. Position one of the mounting brackets, as shown below. Align the holes on the side of the enclosure with the set of holes on the mounting bracket.
3. Use the enclosure screws to secure the mounting bracket to the enclosure.



4. To provide added stability to the mounting bracket, use two of the included screws and attach them to the two holes, directly below the enclosure screws, as shown above.
5. Repeat steps 1 through 4 to attach the second mounting bracket to the opposite side of the unit.
6. Mount the unit using the oval-shaped holes, on each mounting bracket. If using a drywall surface, a #6 drywall screw is recommended.



NOTE: The mounting brackets can also be inverted to mount the unit under a table or other flat surface.

Troubleshooting

Problem	Solution
The PWR indicator is off.	• If the USB cable is connected from a USB port on the display, it may not be supplying enough power to the AT-ETU-SYNC. Connect the included power supply to the USB cable and connect it to an available AC outlet.
No audio/video on display.	• Check to make sure that the correct EDID is selected. Refer to the User Manual for more information on using the AT-ETU-SYNC.

Notes

English Declaration of Conformity

The English version can be found under the resources tab at:

https://atlona.com/product/at-etu-sync/.

Chinese Declaration of Conformity 中国RoHS合格声明

由SKU列出於:

https://atlona.com/about-us/china-rohs/.

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atlona.com • 877.536.3976 • 41.43.508.4321

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