

Atlona HDMI Recorder and Hot Plug Emulator

AT-HDSync



User Manual

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Introduction

Read, copy and replicate almost any EDID with the AT-HDSync. With built in EDID memory the HDSync is perfect for large installations where EDID issues usually occur. Simply learn the display's EDID, place the HDSync in the line next to the source and watch HDCP and EDID problems disappear. The Atlona HDMI Recorder and Hot Plug Emulator is an easy and affordable solution for some of the most common installation problems out there.

Package Contents

- 1 x AT-HDSync unit
- 1 x 5V DC power supply unit
- 1 x Software CD
- 1 x User manual

Features

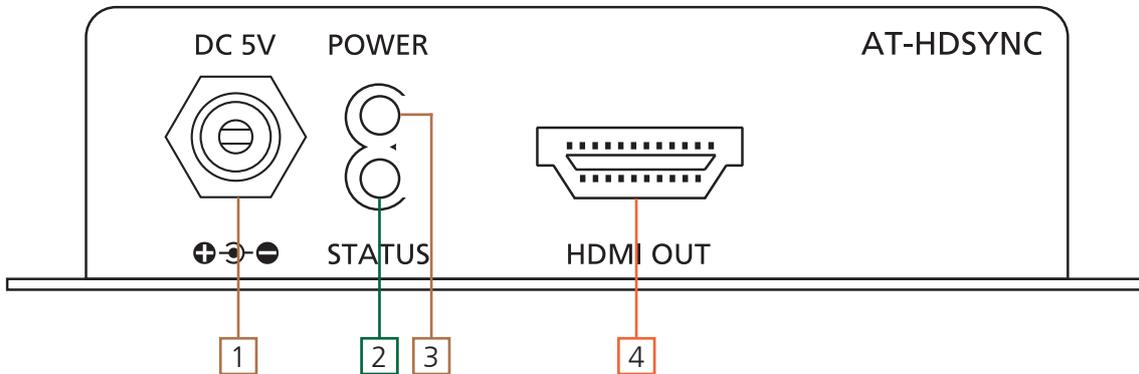
- Able to read and store the EDID of a display
- 6 built in EDIDs to ensure the correct resolutions and audio are passed through
- Nonvolatile EDID memory - will keep the saved EDID information even after power loss
- Built in hot plug emulator with the ability to boot your source directly from the HDSync
- Comes with software for the ability to analyze, save, and troubleshoot EDID
- Easy firmware upgrading through RS-232
- HDCP Compliant

Specifications

Input Ports	1 x HDMI (female type)
Output Ports	1 x HDMI (female type) 1 x RS-232 (female type)
Resolution outputs	up to 1080p with 3D
Audio outputs	up to 7.1 uncompressed audio
Dimensions (HxWxD)	1.1 x 3.1 x 3.6 (inch) or 27 x 80 x 91 (mm)
Weight	.53lbs or 0.024kg
Temperature	Operating: 32°F to 104°F or 0°C to 40°C Storage: -20°F to 60°F or -4°C to 140°C
Power consumption	4W

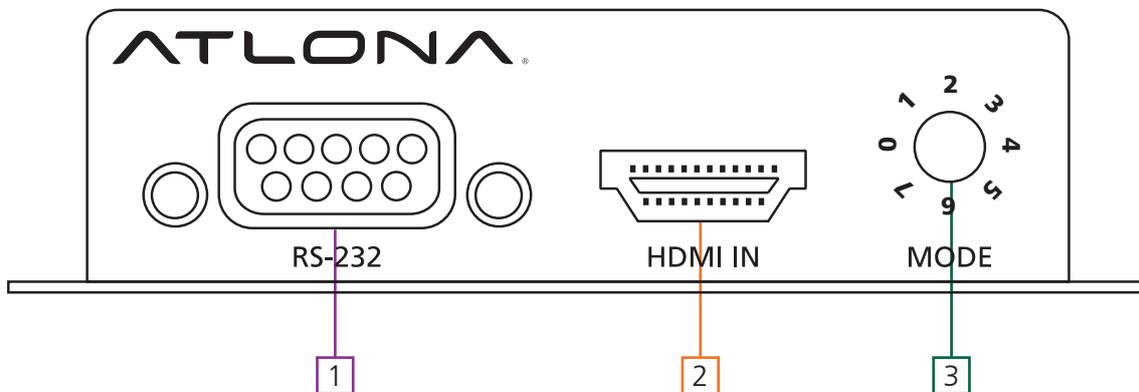
Panel Description

Front Panel



1. Connect the included 5V DC power supply here
2. Red LED indicates power status.
3. Green LED illuminates when a signal is present. LED will blink while learning an EDID then go solid again when finished.
4. Connect to an HDMI or DVI (with adapter) display.

Back Panel



1. Connect a 9-pin to 9-pin cable to a computer to use the included software.
2. Connect to an HDMI or DVI (with adapter) source
3. EDID rotary for switching between EDID modes.
 - Mode 0: 1080p - 2Ch audio
 - Mode 1: 1080p - Multichannel audio
 - Mode 2: 1080p - 2Ch audio - 3D
 - Mode 3: 1080p - Multichannel audio - 3D
 - Mode 4: 1080p - Dolby Digital audio - 3D
 - Mode 5: 1080i or 720p - 2Ch audio
 - Mode 6: EDID learning
 - Mode 7: Software mode

EDID

Modes

Mode 0: 1080p - 2Ch audio

3D and multichannel audio will not work in this mode.

Mode 1: 1080p - Multichannel audio

3D will not work in this mode.

Mode 2: 1080p - 2Ch audio - 3D

Multichannel audio will not pass in this mode.

Mode 3: 1080p - Multichannel audio - 3D

The highest resolution the display and source are capable of will pass in this mode.

Mode 4: 1080p - Dolby Digital audio - 3D

Only Dobyly Digital and 2Ch audio will pass in this mode.

Mode 5: 1080i or 720p - 2Ch audio

Multichannel audio will not pass in this mode.

Mode 6: EDID learning

Learn the EDID of the display while in this mode. The EDID learn is non-volatile

Mode 7: Software mode

Read, save, and analyze EDID or update firmware with the included software in this mode

Learn

1. Connect the HDSync display HDMI port to the display's HDMI port
2. Plug in the 5V DC power supply to the HDSync and wall
3. Turn on the display
4. Turn the HDSync rotary to mode 6.

Status LED will blink while learning the EDID

5. When the LED goes off, the EDID learn is complete. Leave the EDID Rotary on mode 6.

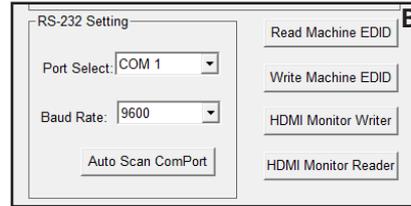
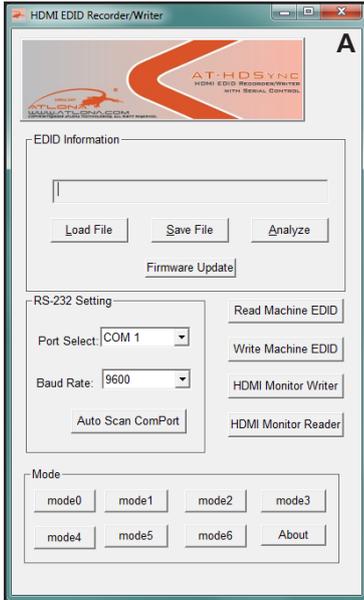
To relearn or learn a different EDID, turn the Rotary from mode 6 clockwise until it reaches mode 6 once more. Repeat the above steps.

Software

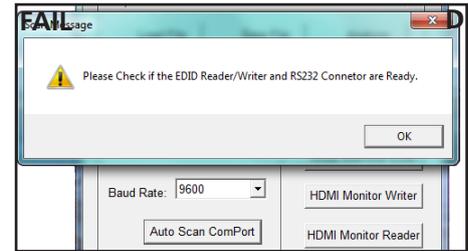
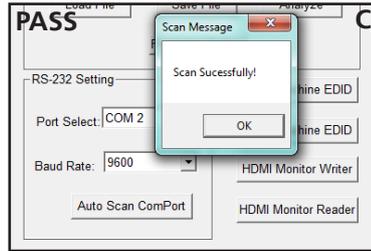
Read, save, or analyze EDID and update firmware from your computer using the included software. Easily troubleshoot compatibility issues or verify what a device is capable of.

Set Up

1. Connect a 9pin to 9pin cable from the HDSync to your PC.
(a 9pin to USB cable may also be used)
2. Turn on your PC and the HDSync.
3. Insert the included software into your computer's disc drive.
4. Open the software file "HDMI EDID Recorder" (see picture A on top of page 6)

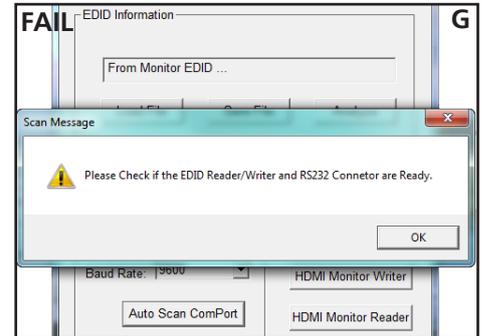
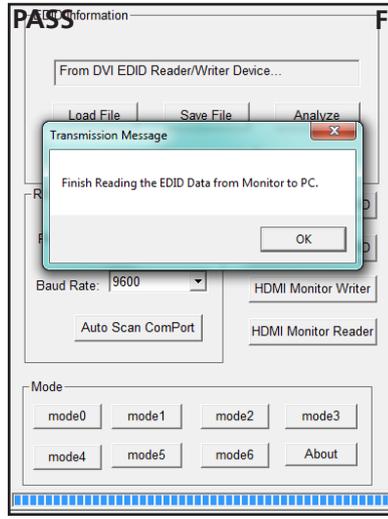
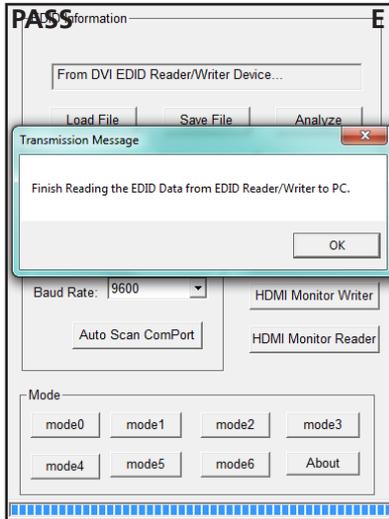


5. Once open (as pictured to the left), you should see the “RS-232 Setting” box. Press the “Auto Scan ComPort” button. (see picture B)
****If successful you should get a command pass window (see picture C)**
*****If unsuccessful you will get a check device window (see picture D)**



Read EDID

There are two options of reading EDID. You can read the HDSync’s EDID (see picture E) or the Monitor’s EDID (see picture F). To read the HDSync’s EDID, press the “Read Machine EDID” then to read the HDMI/DVI monitor connected to the HDSync, press the “HDMI Monitor Reader”. Both devices will need to be powered on during this process.



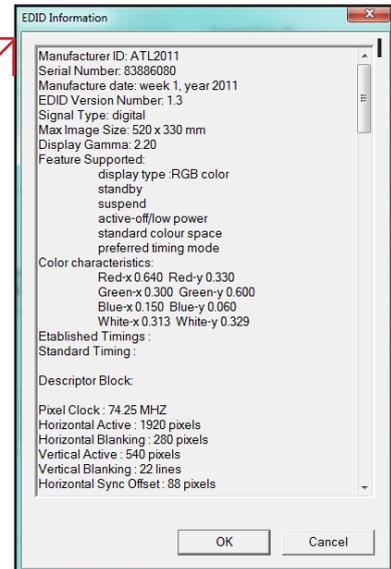
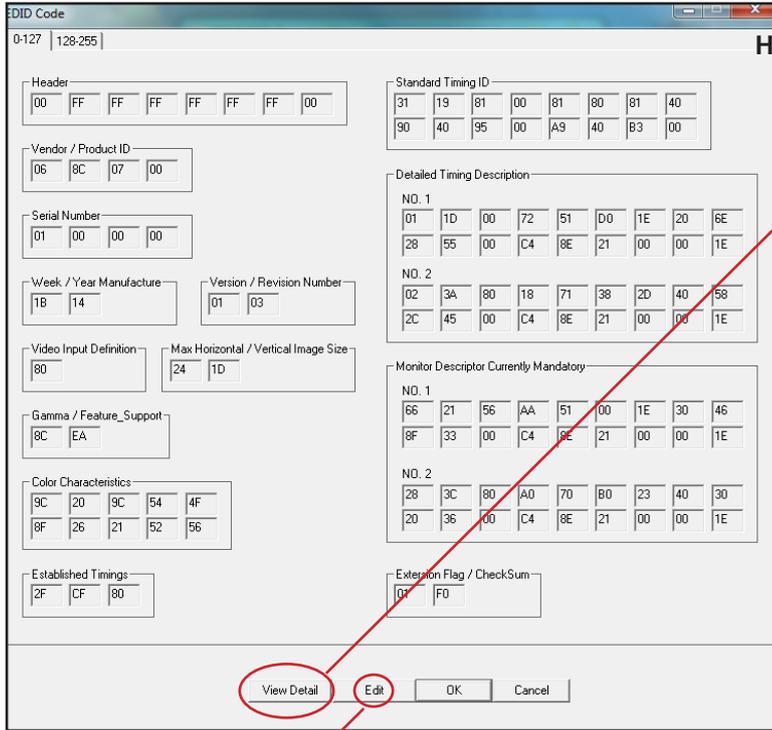
If the monitor read fails: check to make sure the device is connected to the monitor port, the monitor is on and on the correct port number, and that the RS-232 cable is secure on both HDSync and computer.

Save EDID

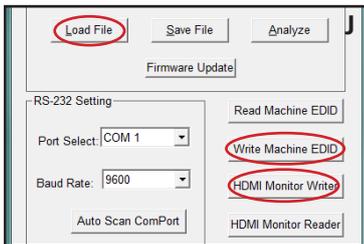
Once you’ve received a pass on the EDID reading, press the “Save File” button to save the current EDID to your computer. This option is for EDID compatibility issues. Example: Send the file to an Atlona Tech Support Rep when compatibility issues come up with an Atlona product and your display.

View/Analyze EDID

Once you’ve received a pass on the EDID reading, press the “Analyze File” button to view the EDID code. If you’d like to see more details about the product press the “View Detail” button. (See picture H on top of page 7). This option is best used for trying to troubleshoot issues of the wrong resolution being passed between source and display. Use this to view things such as the display’s native resolution, etc (see picture I on top of page 7).



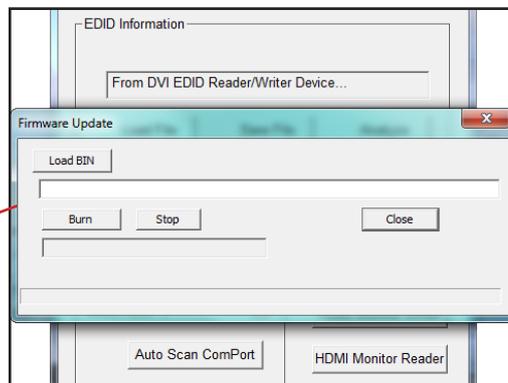
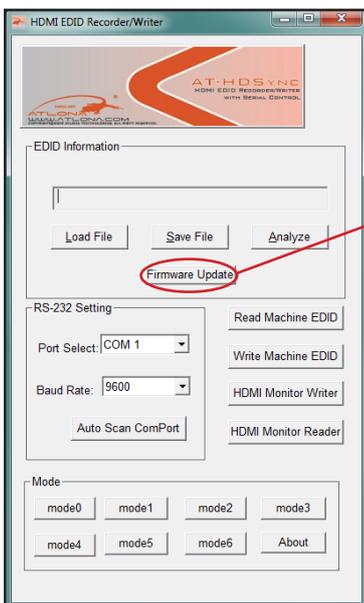
Load/Edit/Write EDID



The **Load/Edit/Write** (see pictures H and J) functions of the HDSync **should not be used**, except by component manufacturers. Changing or loading an incorrect file onto a device may cause permanent damage to the device and/or void its warranty. **Atlona is not liable for any damages caused to other devices when using these features.**

Firmware Update

After the Com port has been selected (see page 6) successfully, you can select the “Firmware Update” at any time. This update is for the AT-HDSync only, not attached devices.



Once the Firmware Update window has come up, you will press the “Load BIN” button and select the most recent firmware file, downloaded from atlona.com.

The file path should show in the white address bar. Once the correct firmware displays, press the “burn” button. A blue progress bar will fill at the bottom of the Firmware Update window. Once done, the firmware update is complete and you may close out of the program.

Safety Information

Safeguards



To reduce the risk of electric shock, do not expose this product to rain or moisture



Do not modify the wall plug. Doing so will void the warranty and safety features.



If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.



This equipment should be installed near the socket outlet and the device should be easily accessible in the case it requires disconnection.

Precautions

FCC regulations state that any unauthorized changes or modifications to this equipment, not expressly approved by the manufacturer, could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product, or cause fires.

In the event of an electrostatic discharge this device may automatically turn off. If this occurs, unplug the device and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements, fish tanks, and swimming pools.

Use only accessories recommended by Atlona to avoid fire, shock, or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning and not cleaning fluid or aerosols. Such products could enter the unit and cause damage, fire, or electric shock. Some substances may also mar the finish of the product.

Never open, remove unit panels, or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your product. Opening the product will void the warranty.

Do not attempt to service the unit. Disconnect the product and contact your authorized Atlona reseller or contact Atlona directly.

Atlona, Inc. ("Atlona") Limited Product Warranty Policy

Coverage

Atlona warrants its products will substantially perform to their published specifications and will be free from defects in materials and workmanship under normal use, conditions and service.

Under its Limited Product Warranty, Atlona, at its sole discretion, will either:

- A) repair or facilitate the repair of defective products within a reasonable period of time, restore products to their proper operating condition and return defective products free of any charge for necessary parts, labor and shipping
- OR**
- B) replace and return, free of charge, any defective products with direct replacement or with similar products deemed by Atlona to perform substantially the same function as the original products
- OR**
- C) refund the pro-rated value based on the remaining term of the warranty period, not to exceed MSRP, in cases where products are beyond repair and/or no direct or substantially similar replacement products exist.

Repair, replacement or refund of Atlona's products is the purchaser's exclusive remedy and Atlona's liability does not extend to any other damages, incidental, consequential or otherwise.

This Limited Product Warranty extends to the original end-user purchaser of Atlona's products and is non-transferrable to any subsequent purchaser(s) or owner(s) of these products.

Coverage Periods

Atlona's Limited Product Warranty Period begins on the date of purchase by the end-purchaser. The date contained on the end-purchaser's sales or delivery receipt is the proof purchase date.

Limited Product Warranty Terms – New Products

- 10 years from proof of purchase date for hardware/electronics products purchased on or after June 1, 2013
- 3 years from proof of purchase date for hardware/electronics products purchased before June 1, 2013
- Lifetime Limited Product Warranty for all cable products

Limited Product Warranty Terms – Refurbished (B-Stock) Products

- 3 years from proof of purchase date for all Refurbished (B-Stock) hardware and electronic products purchased on or after June 1, 2013

Remedy

Atlona recommends that end-purchasers contact their authorized Atlona dealer or reseller from whom they purchased their products. Atlona can also be contacted directly. Visit www.atlona.com for Atlona's contact information and hours of operation. Atlona requires that a dated sales or delivery receipt from an authorized dealer, reseller or end-purchaser is provided before Atlona extends its warranty services. Additionally, a return merchandise authorization (RMA) and/or case number, is required to be obtained from Atlona in advance of returns.

Atlona requires that products returned are properly packed, preferably in the original carton, for shipping. Cartons not bearing a return authorization or case number will be refused. Atlona, at its sole discretion, reserves the right to reject any products received without advanced authorization. Authorizations can be requested by calling 1-877-536-3976 (US toll free) or 1-408-962-0515 (US/international) or via Atlona's website at www.atlona.com.

Exclusions

This Limited Product Warranty excludes:

- Damage, deterioration or malfunction caused by any alteration, modification, improper use, neglect, improper packing or shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature.
- Damage, deterioration or malfunction resulting from the installation or removal of this product from any installation, any unauthorized tampering with this product, any repairs attempted by anyone unauthorized by Atlona to make such repairs, or any other cause which does not relate directly to a defect in materials and/or workmanship of this product.
- Equipment enclosures, cables, power supplies, batteries, LCD displays, and any accessories used in conjunction with the product(s).
- Products purchased from unauthorized distributors, dealers, resellers, auction websites and similar unauthorized channels of distribution.

Disclaimers

This Limited Product Warranty does not imply that the electronic components contained within Atlona's products will not become obsolete nor does it imply Atlona products or their electronic components will remain compatible with any other current product, technology or any future products or technologies in which Atlona's products may be used in conjunction with. Atlona, at its sole discretion, reserves the right not to extend its warranty offering in instances arising outside its normal course of business including, but not limited to, damage inflicted to its products from acts of god.

Limitation on Liability

The maximum liability of Atlona under this limited product warranty shall not exceed the original Atlona MSRP for its products. To the maximum extent permitted by law, Atlona is not responsible for the direct, special, incidental or consequential damages resulting from any breach of warranty or condition, or under any other legal theory. Some countries, districts or states do not allow the exclusion or limitation of relief, special, incidental, consequential or indirect damages, or the limitation of liability to specified amounts, so the above limitations or exclusions may not apply to you.

Exclusive Remedy

To the maximum extent permitted by law, this limited product warranty and the remedies set forth above are exclusive and in lieu of all other warranties, remedies and conditions, whether oral or written, express or implied. To the maximum extent permitted by law, Atlona specifically disclaims all implied warranties, including, without limitation, warranties of merchantability and fitness for a particular purpose. If Atlona cannot lawfully disclaim or exclude implied warranties under applicable law, then all implied warranties covering its products including warranties of merchantability and fitness for a particular purpose, shall provide to its products under applicable law. If any product to which this limited warranty applies is a "Consumer Product" under the Magnuson-Moss Warranty Act (15 U.S.C.A. §2301, ET SEQ.) or other applicable law, the foregoing disclaimer of implied warranties shall not apply, and all implied warranties on its products, including warranties of merchantability and fitness for the particular purpose, shall apply as provided under applicable law.

Other Conditions

Atlona's Limited Product Warranty offering gives legal rights, and other rights may apply and vary from country to country or state to state. This limited warranty is void if (i) the label bearing the serial number of products have been removed or defaced, (ii) products are not purchased from an authorized Atlona dealer or reseller. A comprehensive list of Atlona's authorized distributors, dealers and resellers can be found at www.atlona.com.

Atlona, Inc Product Registration

Thank you for purchasing this Atlona product. - We hope you enjoy it and will take an extra few moments to register your new purchase.

Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona we respect and protect your privacy, assuring you that your registration information is completely secure. Atlona product registration is completely voluntary and failure to register will not diminish your limited warranty rights.

To register go to: <http://www.atlona.com/registration>