



AIRSTREAM DMX BRIDGE



User Instructions

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Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

Airstream DMX Bridge

Introduction

Introduction: Congratulations and thank you for purchasing the ADJ Airstream DMX Bridge. The Airstream DMX Bridge is a wireless bridge between your Wi-Fi device and ADJ lighting products equipped with WiFly or wired DMX512. The ADJ Airstream DMX Bridge is the ideal solution for DJ's, nightclubs, bars or for any event where you don't want data cables to be seen, and when it is not easy to run data cables to your fixture(s) location. The Airstream DMX Bridge creates its own local secure Wi-Fi network so that you can use your iPhone or iPad as a lighting controller using the Airstream DMX app. A single shared DMX512 universe is transmitted over both the DMX512 connector and the Wifly network.

Customer Support: ADJ Products, LLC provides a toll free customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.adj.com for any comments or suggestions. For service related issue please contact ADJ Products, LLC. Service Hours are Monday through Friday 8:00 a.m. to 4:30 p.m. Pacific Standard Time.

Voice: (800) 322-6337
Fax: (323) 725-6100
E-mail: support@americandj.com

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufacturer's warranty. In the unlikely event your unit may require service please contact ADJ Products, LLC.

PLEASE recycle the shipping carton whenever possible.

Airstream DMX Bridge

General Instructions

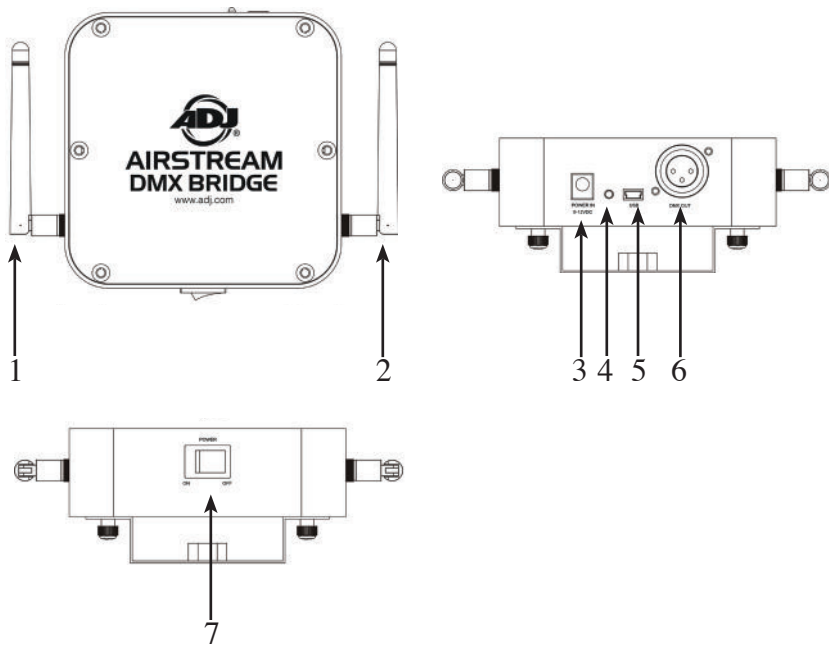
To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

Airstream DMX Bridge

Precautions

- Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Do not remove the unit cover under any conditions. There are no user serviceable parts inside.
- Never plug this unit in to a dimmer pack
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture.
- This unit is intended for indoor use only, use of this product outdoors voids all warranties.
- During long periods of non use, disconnect the unit's main power.
- Always mount this unit in safe and stable matter.
- Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the fixture.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer.
- The fixture should be serviced by qualified service personnel when:
 - A. The power cord or the plug has been damaged.
 - B. Objects have fallen, or liquid has been spilled into the appliance.
 - C. The appliance has been exposed to rain or water.
 - D. The fixture does not appear to operate normally or exhibits a marked change in performance.

Airstream DMX Bridge Indicators, Connections, & Functions



1. **Wi-Fi Antenna** – signal between bridge and Wi-Fi device.
2. **Wifly Antenna** – signal to Wifly equipped lighting equipment.
3. **Power Supply Connection** - Connect the provided power supply to this jack.
4. **Activity Indicator LED** - This LED indicates activity on the device.
5. **USB connector** – used for firmware updates.
6. **3 Pin DMX Out** - Output the DMX512 signal (Wifly and DMX512 universes are the same)
7. **Power Switch** – power on/off switch.

Airstream DMX Bridge Bridge Settings

All setup is done from inside the Airstream DMX app. With the bridge turned on, you should be able to find the “ADJ Airstream DMX” network using the Wi-Fi settings on your iPhone or iPad. The default password to join is “airstream”. After joining the network you can start the Airstream DMX app. You should see the “connected” message when the app starts. The bridge setup view can be found by selecting the “Fixtures” tab at the bottom then selecting “Patch” in the upper right, and then “Bridge” in the upper right. A view will appear similar to the following figure.



From the Bridge Settings view, you can configure the Wifly and Wi-Fi network settings. If you are only using the wired DMX512 output and not using Wifly to control your lights, it is recommended that you turn Wifly enable off. This will improve the performance of the Wi-Fi connection. When Wifly is enabled, you can select the Wifly channel (0-14). Set the Wifly channel on your lights to this same value. On the example here you can see that Wifly is enabled and the channel is set to 3. It is recommended that you set the Wifly channel as far as possible from the Wi-Fi channel.

From this view you can also change the Wi-Fi network name, password and channel. It is recommended that you change the password for the security of your lighting system.

Airstream DMX Bridge

Bridge Settings

Changes will take effect after you turn the bridge off and then back on again. It is recommended that you use the upper channels for Wi-Fi and lower channels for Wifly. When making the channel selection you will notice a bar graph next to each channel showing the current radio activity on that channel. Try to choose a channel with the least amount of activity. In the U.S. Wi-Fi channels 1-11 are available for use.

The network name can be 1-32 characters in length and the password can be 8-16 characters in length. Only alphanumeric characters or space characters are allowed.

ANTENNAS:

The antenna angles can be adjusted for optimum performance. For best results the Wifly antenna should be set to the same orientation as the light fixture's antennas. You can experiment with different angles to see what works the best. Both antennas set to a 45 degree angle is a good compromise starting point. Make sure both antennas are tightened into their sockets as far as they can go. Grab the inside base of the antenna next to the body of the bridge to tighten.

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Installation

Before attaching the bracket to the fixture, first attach install a clamp to the bracket. Next, attach the bracket to the fixture using the included screws. The fixture should be mounted using the clamp attached to the bracket. Always ensure that the fixture is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the fixture is secure and is able to support a weight of 10 times of the fixture's weight. Also always use a safety cable that can hold 12 times the weight of the fixture when installing the fixture. The unit also has a magnetic bottom that can be affixed to anything metal.

Airstream DMX Bridge

Warranty Registration

The Airstream DMX Bridge carries a 1 year (365 day) limited warranty. We recommend you fill out the enclosed warranty card to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Please contact ADJ Products, LLC customer support for a R.A. number.

MANUFACTURER'S LIMITED WARRANTY

- A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.
- B. For warranty service you must obtain a Return Authorization number (RA#) before sending back the product—please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall have no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.
- C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because not properly maintained as set forth in the instruction manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check up. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear indentifying marks to that effect.
- E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

MANUFACTURER'S LIMITED WARRANTY PERIODS:

- **Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobos, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED and lamps)
- **Laser Products = 1 Year (365 Days) Limited Warranty** (excluding laser diodes which have a 6 month limited warranty)
- **L.E.D. Products = 2-year (730 days) Limited Warranty** (excluding motors, PCB boards, and power supplies, which have a 1-year (365 day Limited Warranty) batteries which have a 180 day limited warranty). Only the L.E.D.s carry a 2-year warranty (excluding StarTec Series which carries a 1 Year Limited Warranty) Note: 2 Year Warranty only applies to purchases within the United States.
- **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty** (excluding faders and tact switches)

Model: Airstream DMX Bridge

Voltage:	DC 9-12V 1Amp
Wireless Frequency:	2.4 GHz
WiFly Range:	2500 Ft.
Wi-Fi Range:	75 Ft.
Dimensions:	5" L x 7" W x 2.5" H 125 x 175 x 62mm
Weight:	2 Lbs. / 0.75 kgs.
Warranty:	1 year (365 Days)

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

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