



litepanels Apollo Wireless DMX Bridge Instructions

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Powered By Lighticians

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Quick Start Guide Apollo Wireless DMX Bridge



1 Dual-band 2.4GHz and 5GHz Antennas sends and receives sACN Wi-Fi transmission

2 Long LumenRadio CRMX Antenna transmits wireless DMX to CRMX receivers

3 Link/Unlink CRMX press to link CRMX to receivers. Hold 3+ secs to unlink all receivers

4 CRMX Indicator LEDs display CRMX mode, status and data

5 sACN Indicator LED displays status of sACN network and network ports

6 Corner System Indicator LEDs displays device system status

7 Reset Pinhole Button press to reboot or hold for 3 seconds to reset to factory default settings

8 LAN RJ45 Port connect to sACN Local Area Network devices such as a lighting console

9 WAN RJ45 Port connect to Wide Area Networks, such as the internet

10 USB 3 Port for use with future features and accessories

11 5-Pin DMX In/Out connect to hard-wired DMX controlled fixtures or to a DMX lighting board. Defaults to output

12 USB-C Power Port connect from 9V+ USB-C power supply or battery

Download the “free Lighticians Apollo Control App”

To control all of your Litepanels lights and other lighting fixtures in your kit, scan the QR code with your iPhone or iPad to install the app.



Download the free CRMX Toolbox app

For additional CRMX transmitter settings, download the free CRMX Toolbox app from the app store, scan the QR code with your iPhone or iPad to install the app.



*This product contains software licensed under various free software licenses, please refer to the “License Notices” section in Apollo’s integrated web based control portal for more information.

APOLLO BRIDGE BASIC WIRELESS SETUP

Connecting Control Device To Apollo Bridge

1. Connect power to the bridge. USB-C Power Port, connect from 9V+ SUB-C power supply or battery (12).
2. Connect control device to the Apollo Bridge Wi-Fi network.
3. Enter the default password found on the bottom of the Apollo Bridge.
4. Confirm control software is set to transmit sACN.
Lighticians Apollo Control automatically streams sACN.
5. To configure advanced network settings such as SSID, Network Password, Wifi Band, IP Address, DMX Universe # and ins/outs enter Apollo Bridge IP address into web browser URL bar on connected device.

Note! Default IP address is found on the bottom of the Apollo Bridge.

Linking A LumenRadio CRMX Receiver To Apollo Bridge

1. Set DMX start address and control mode of lighting fixture before connecting.
2. Connect hard-wired lighting fixtures via the 5 pin XLR I/O (11).

3. Unlink CRMX receiver to reset before connecting to Apollo Bridge.
4. Press LINK CRMX button on Apollo Bridge (3).
5. After a few seconds the green 'linked' light will turn on, confirming receiver is linked.

Problems and Solutions

Problem: Cannot link CRMX Receiver to the Apollo Bridge.

Solution: Unlinking CRMX receiver before linking to Apollo resets and erases previous connections that could interfere with current connection. Receiver must always be within range of Apollo.

Problem: Periodically losing connection to the Apollo Wi-Fi Network or the lights stop responding.

Solution: From the control smartphone or tablet, turn auto join **off**, on any other commonly used area Wi-Fi networks, turn cellular data off and make sure control device is within range of Apollo Bridge.

Problem: The light flickers or responds to commands in a way that does not match chosen profile.

Solution: Confirm the light is set to the correct DMX start address, control mode, bitrate (8 or 16) and firmware version. If everything is correct, press and hold a pin into the factory reset pinhole **(7)** for 10 seconds.

Problem: Poor wireless performance; in an especially challenging RF environment:

Solution: Ensure there is a clear and direct LINE OF SIGHT between Apollo Bridge and connected wireless devices. Arrange external antennas from connected devices on the same plane. Separate Apollo from radio device antennas of other networks as much as possible. Avoid scenarios where glass, metal caging, liquid or large groups of people are in between connected wireless devices.

Problem: The Apollo Bridge and light(s) still won't function properly.

Solution: Press a pin into factory reset pinhole **(7)** for 3 seconds.

CONNECTING TO LITEPANELS FIXTURES

HOW TO CONFIGURE A GEMINI WITH WDMX DONGLE FOR APOLLO

1. Power on Gemini and insert Wireless DMX Dongle. Green light on dongle will turn on when inserted correctly.
2. Select SETTINGS > IN/OUT SELECT > WIRELESS DMX IN on Gemini.
3. Select DMX RESOLUTION > 8 BIT or 16 BIT

Note! Make sure Gemini profile patched into control software or console corresponds with selections.

4. Choose Starting DMX ADDRESS.
5. Select WIRELESS DMX > UNLINK *this resets the dongle from previous connections.
6. Select WIRELESS DMX > LINK. And firmly press 'LINK CRMX' button (3) on APOLLO BRIDGE.
7. Wireless bars turn green on Gemini menu when link is successful.

Note! If using Gemini 2X1 these two additional steps are required when setting up the fixture.

8. Select DMX VERSION > DMX SETTINGS > DMX VERSION > VER 1 (ORIGINAL).
9. Select DMX MODE CONTROL > ENABLE.

HOW TO CONFIGURE AN ASTRA WITH WDMX MODULE FOR APOLLO

1. Insert Wireless DMX module into Astra and power on.
2. Select SETTINGS > DMX SETTINGS > DMX ADDRESS > select starting DMX address.
3. Select SETTINGS > DMX SETTINGS > WIRELESS DMX > SET RADIO ON.

4. Select WIRELESS DMX > UNLINK RADIO *this resets the dongle from previous connections.
5. Select WIRELESS DMX > LINK. And firmly press `LINK CRMX` button (3) APOLLO BRIDGE.
6. Wireless bars turn green on Gemini menu when link is successful.

PATCHING/PROGRAMMING A GEMINI OR ASTRA IN THE LIGHTICIANS APOLLO CONTROL APP

1. Open the Lighticians Apollo App.
2. Tap (+ PROJECT), enter project name and tap (+ PROJECT).
3. Tap project to add lights.
4. Within library tap fixture type to patch and tap profile for desired control mode.
Note! **'RGBAW 8-bit'** is the optimized control mode for GEMINI fixtures for full control of CCT, HSI, RGBWW and Gels.
5. Enter desired name, DMX START ADDRESS and ID # number, color ID and icon.
6. Scroll down and tap PATCH.
7. After patching, tap CONTROL on bottom of the screen, tap light and start creating lighting.
Note! If the inner circle of the color wheel is black tap the saturation spinner in the center of the color wheel to activate light's control.
8. Reference the Lighticians Apollo Control APP Tutorial Guide for more information regarding other app features.

Safety

Humidity and Condensation! Risk of electric shock and fire.



CAUTION! Never expose the product to rain or moisture as condensed moisture may damage the product electrically when switched on



CAUTION! Never cover the Apollo Wireless DMX Bridge during operation. Keep a minimum clearance of 4 inches around the housing for ventilation and air circulation



CAUTION! Avoid direct illumination by other luminaries or other heat sources. Check the mains cable and connector cable prior to every operation for damage.

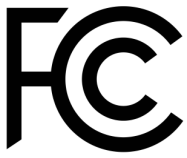


WARNING! In case of visible damage to the mains cable or the housing, the device must not be operated any longer. Damaged components must be replaced by a Litepanels service center.

Note! To download the Operating Manual:

Visit <https://www.litepanels.com/en/products/apollo/>





FCC statement

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This Class A digital apparatus complies with Canadian ICES-003. CAN ICES-3 (A)/NMB-3(A)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



EU Declaration of Conformity

This product complies with the following EU Directives:

2014/30/EU (EMC)
2014/53/EU (RED)
2014/45/EU (LVD)
2015/863/EU (RoHS3)

Conforms to the Following Standards:

EN 55032:2015/AC:2016-07 (EMC)
EN 55035:2017 (ESD and Immunity)
EN 301 489-1 V2.2.3, EN 301 489-3 V2.1.1, EN 301 489-17 V3.1.1 (RED)
EN 62368-1:2014+A11:2017 (LVD)
EN 63000:2018 (RoHS)

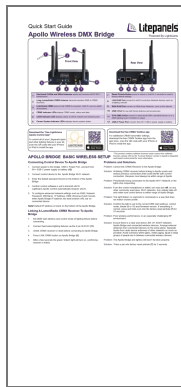
A copy of the Declaration of Conformity is available on request.



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Lighticians, Apollo Wireless, DMX Bridge, ASTRA, CRMX