ColorKey
creative lighting
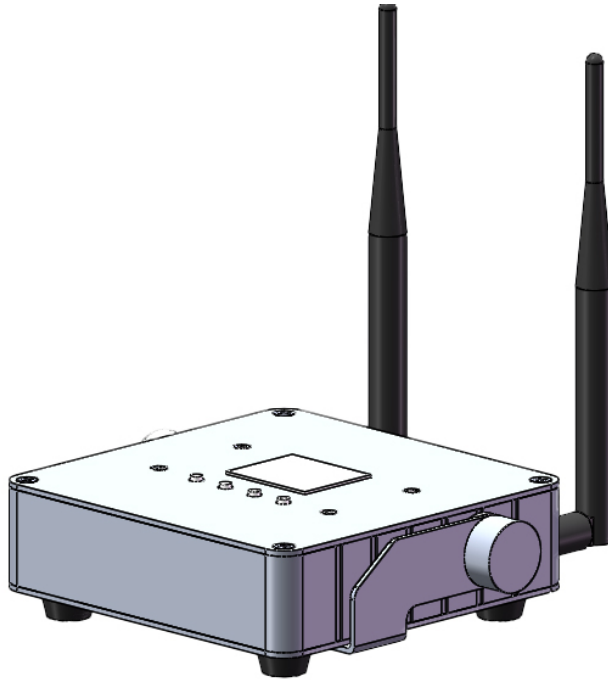
AIRHUB
D   M   X

SKU: CKU-7010

USER MANUAL

Table of Contents

Please read these instructions carefully before use. Operating this fixture according to these instructions is important to avoid any possible damage or accidents caused by misuse.

Contents of Package

- AirHub DMX
- Power Supply
- User Manual

Safety

Caution! Opening this unit voids warranty. Contact ColorKey for any service requests.

Warning! To avoid electrical shock, be sure to disconnect power before any service or when moving or setting up the fixture.

Caution! Avoid direct eye exposure with the fixture when on.

- This fixture is for indoor use only.

- This fixture must be installed a minimum distance of 5 meters (16'4") away from any lighted objects.

- Do not install or operate this fixture near flammable materials.

- This device must be installed, operated, and maintained by a qualified professional.

- Please check if the voltage is in accordance with the rated power before installing.

- Do not operate this fixture if the power cord has been damaged. Turn off fixture and replace with a power cord of similar rating.

Service & Support

Your ColorKey product includes a 2-year warranty. For technical support or to register your product, please visit https://www.colorkeyled.com/support/

You can also reach us by phone Monday thru Friday, 8:30am – 5pm PST at (818) 578-4030.

Introduction

Thank you for purchasing the ColorKey AirHub DMX!

The AirHub is a battery powered Wi-DMX transceiver that provides instant wireless connectivity across the range of ColorKey Air Series lights. The AirHub features 16 wireless groups (00-15) and built-in presets including static colors, auto, fade, and sound active mode.

It's now easier than ever to fill a room with color by simply setting all the fixtures to the same wireless group ID and watching them automatically connect and synchronize.
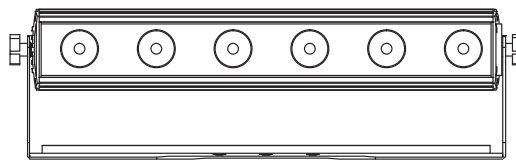
The ColorKey Air Series ecosystem includes:

- AirPar HEX 4 4x12W RGBAW+UV par light
- AirBar HEX 6 6x12W RGBAW+UV bar
- AirPar COB QUAD 30W RGBW Chip-on-Board par light
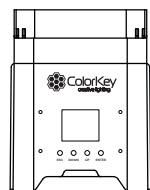- AirPad QUAD 15W RGBW centerpiece
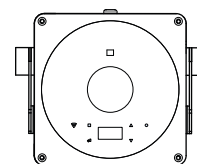
More models will be introduced in the future.
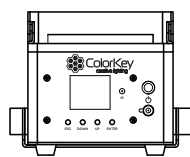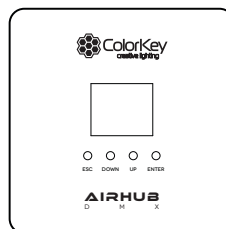
AIRPAR COB QUAD

AIRBAR HEX 6

AIRPAR HEX 4

AIRPAD QUAD

AIR SERIES

AIRHUB DMX

Power & Charging

The AirHub DMX features a rechargeable lithium-ion battery for cable free use. The battery can power the hub for up to 20 hours from a full charge. An adaptive power supply with an input voltage range of 100 to 240 VAC 50/60Hz is also included.

The battery charges whenever the included power adapter is connected and plugged into a power source. The AirHub can be used while charging. If it is plugged in and not in operation, make sure it is turned off. The indicators on the LED Menu Display show how much battery life remains available.

The included power supply features a charging status LED. Red indicates that the battery is charging and green that charging is complete.

Power On / Off

DC 12.6V 1A

DMX IN   DMX OUT

12.6V / 1A Power Supply Input
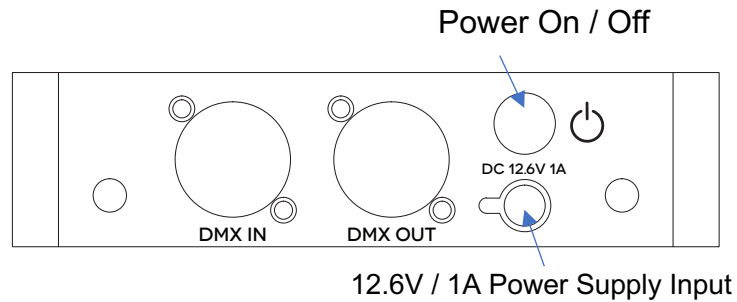
Display & Operation

Menu Page 1

This page displays the current settings of the AirHub. A flashing asterisk (*) indicates the AirHub DMX is connected and communicating wirelessly.

Battery Life

Wireless DMX Group ID

DMX Signal Connected

AirHub DMX

ID 01

App *   W-DMX *

[||||] 100%   ID01 *
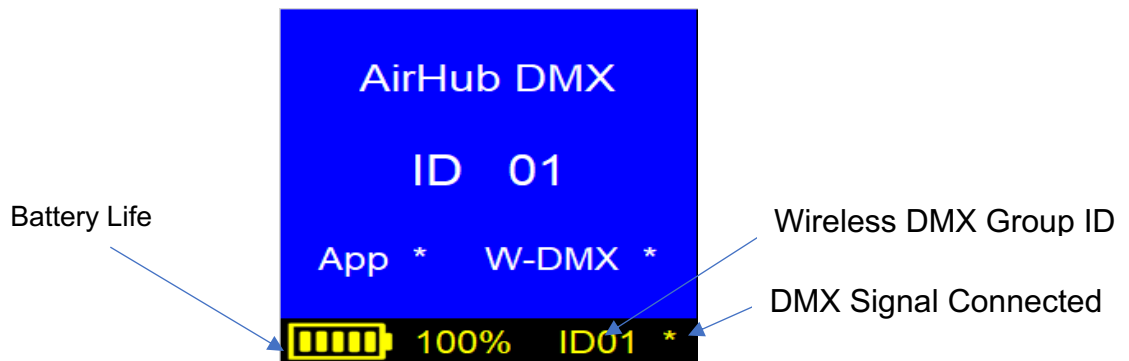
➔ ESC: Navigate to the previous higher-level menu item

➔ Down: Scrolls through the menu items and numbers in descending order

➔ Up: Scrolls through the menu items and numbers in ascending order

➔ Enter: Is used to select and confirm/store the current menu selection

Menu Page 2

On this page, you will find the wireless ID, W-DMX, and screen settings.

APP	:	On/Off
W-DMX	:	On/Off
ID Setup	:	01
Screen	:	On/30S

▐▐▐▐▐ 100% ID01 *

➔ To set the wireless group ID, press the Down button until **ID Setup** is highlighted. Press Enter multiple times until you reach your desired ID. Press Esc to confirm.

➔ Wireless DMX is on by default. To turn it off, press the Down button until **W-DMX** is highlighted. Press Enter to select, and down to change the setting. Press Enter to confirm.

➔ The screen can be set to stay on or turn off after 30 seconds. To change the screen settings, press the Down button until **Screen** is highlighted. Press Enter to select, and down to change the setting. Press Enter to confirm.

Menu Page 3

Model:	RGBW
Auto :	01
Fade :	01
Color :	01
Sound:	01

▐▐▐▐▐ 100% ID01 *

On this page you will find the fixture selection and presets.

➔ AirHub includes presets for RGBW and RGBAW-UV lights. To select your fixture type, press the Down button until **Model** is highlighted. Press Enter to select, and down to change the setting. Press Enter to confirm.

➔ To set your fixtures to Auto or Fade modes, press the Down button until **Auto** or **Fade** is highlighted. The fixture will immediately change to the highlighted mode. To change the speed of the program, press Enter, then Up or down to change the speed. Press Enter to confirm.

➔ To set your fixtures to a static color, press the Down button until **Color** is highlighted. The fixture will immediately change to the selected color. To change the color, press Enter, then Up or Down. Press Enter to confirm.

➔ To set your fixtures to Sound Active mode, press the Down button until **Sound** is highlighted. The fixture will immediately change to the selected color. To change the color, press Enter, then Up or Down. Press Enter to confirm.

Setup Examples

Stand Alone
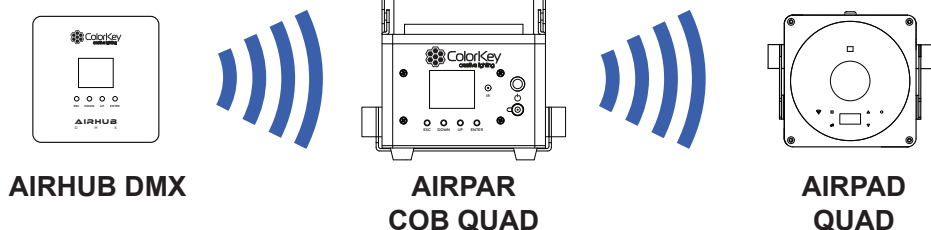
**AIRHUB DMX**   **AIRPAR COB QUAD**   **AIRPAD QUAD**

The AirHub features 16 wireless groups (00-15) and built-in presets including static colors, auto, fade, and sound active mode. To make a connection, simply set the AirHub and your Air Series fixtures to the same group ID. In the example below, the AirHub and AirPar HEX 4 are both set to ID01.

**AirHub DMX Menu**   **AirPar Hex 4 Menu**
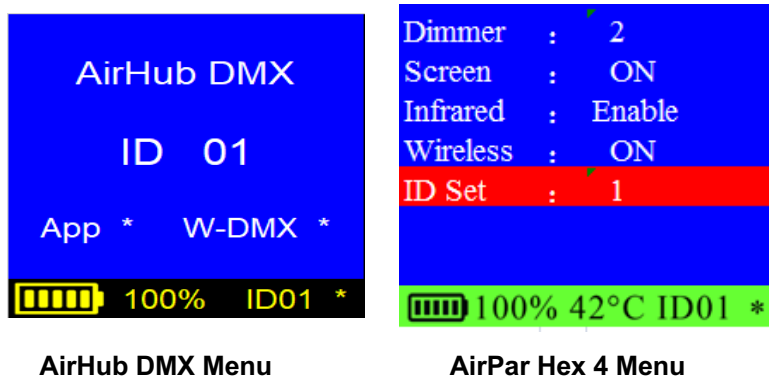
The AirHub can also transmit wireless DMX512 to most 2.4Ghz enabled fixtures outside of the Air Series ecosystem through group ID 1-5 (such as the ColorKey MobilePar Mini HEX 4). Simply scroll through the wireless bands on your lights until a connection is made with the AirHub.

DMX Transmitter

DMX CONTROLLER   **AIRHUB DMX**   **AIRPAR COB QUAD**
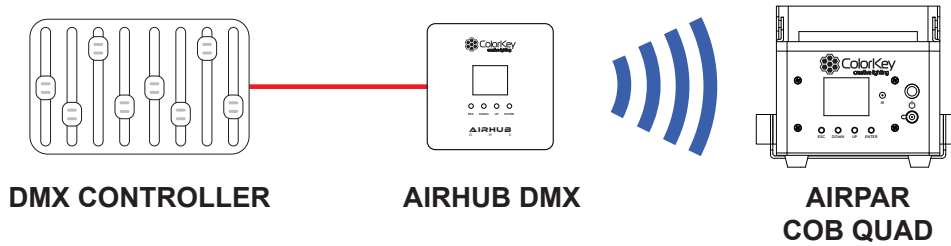
The AirHub DMX functions as a DMX transmitter for any standard DMX controller using standard 3-pin DMX cables. Just like Stand Alone mode, all fixtures connect to the AirHub using the wireless group ID. In addition, fixtures need to be addressed just as they would when connected to the controller via DMX cable. Refer to the DMX chart included in your fixtures' owner's manual for details.

DMX Receiver

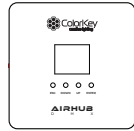**DMX CONTROLLER**   **AIRHUB DMX**   **AIRHUB DMX**   **ANY DMX FIXTURE**
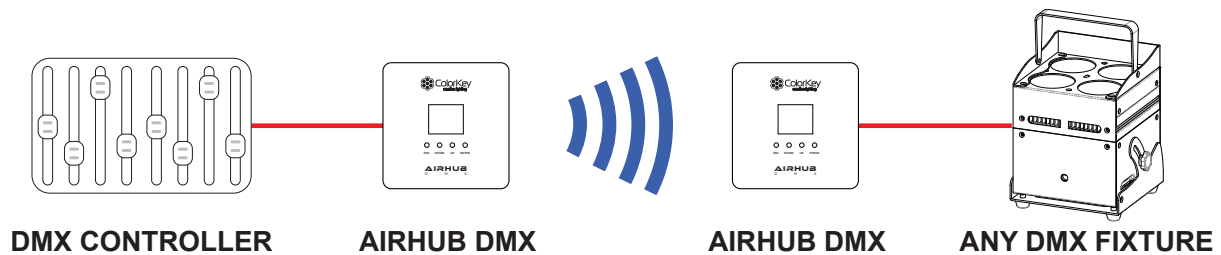
The AirHub also functions as a DMX receiver when the DMX output of the AirHub is connected to the DMX input of a lighting fixture. Connect to the wireless transmitter using the same wireless group ID.
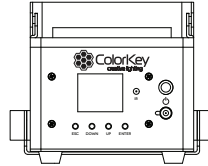
AirApp For All (iOS Mobile App)

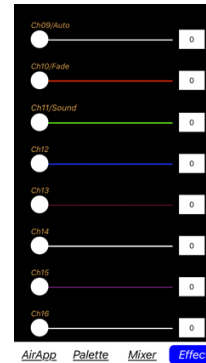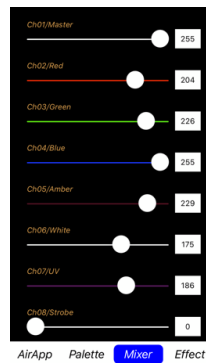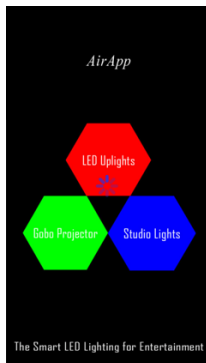AirApp for All   **AIRHUB DMX**   **AIRPAR COB QUAD**

ColorKey AirHub can create a local wireless network for iOS connectivity to "*AirApp for All*", a lighting control app available on iOS devices.

Scan QR code from your iphone or ipad to **install "AirApp for All"**

Connecting AirHub to AirApp for All:

1. Turn on Air Hub
2. Ensure (App:) menu setting is set to (On), (W-DMX:) menu setting can be set to (Off)
3. On your iOS mobile device, navigate to your device Settings and connect to Wi-Fi network AirAppXXXX
4. Password: 1,2,3,4,5,6,7,8
5. Once you have a Wi-fi connection to the AirAppXXXX network, open AirApp for All
6. Select (LED Uplights) and enjoy quick access to a host of lighting control options.

Troubleshooting

Problem	Solutions
No DMX control	- Confirm the Wireless Group ID is the same as the receiving light or hub - Make sure the receiving fixture is in DMX mode - Make sure wireless is enabled on your AirHub - Make sure a DMX cable is properly connected to your DMX controller - Make sure that the DMX controller is operational - Check the DMX cable for tears or breaks

Technical Information

- 2.4Ghz Wireless DMX Transmitter and Receiver

- 16 wireless group ID's

- 15 static color presets

- Auto mode (color chase) with 15 speeds

- Fade mode with 15 speeds

- Sound active mode with sensitivity adjustment

- Control modes: Wi-DMX, DMX 512, Master /Slave, Sound Active

- Lithium-Ion battery (+/-) 20 hours working time, (+/-) 5 hours charge time

- Power Consumption: 11.7W

- Power supply: 12.6V 1A; AC100-240V; 50-60Hz

- Working temperature: up to 40˚C

- Product size: 5.5 x 5.5 x 3.5 in

- Net Weight: 1.6 lbs

Please note: *As we continue to work towards improving our products and your experience as a user, we recommend that you check our website periodically for updates to user manuals and specifications at www.ColorKeyLED.com or you may contact us directly at info@colorkeyled.com.*