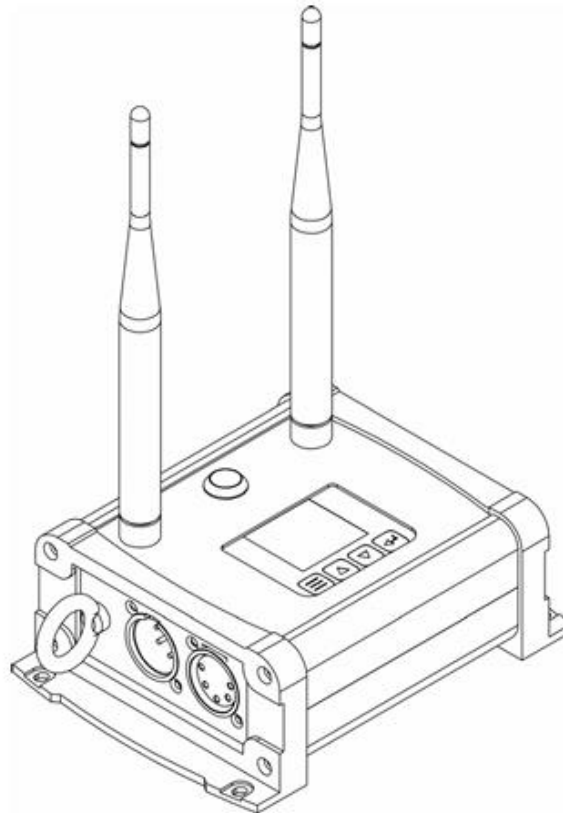


## USER MANUAL

### BRIGHTER AIR DMX



## USER MANUAL

This product manual contains important information about the safe installation and use of this projector.

Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

**Please read the instructions carefully before use!**

## 1. SAFETY PRECAUTIONS

This fixture is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. Manufacturer is not responsible for injuries and damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified or certified personnel should perform installation of this fixture and only the original rigging parts included with this fixture should be used for installation. Any modifications to the fixture and the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage personal injury.

- **THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT.DO NOT ATTEMPT ANY REPAIRS YOURSELF,AS DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS**
- **DO NOT PLUG FIXTURE INTO A DIMMER PACK**
- **NEVER OPEN THIS FIXTURE WHILE IN USE**
- **UNPLUG POWER BEFORE SERVICING FIXTURE**
- **DO NOT SHAKE FIXTURE , AND AVOID BRUTE FORCE WHEN INSTALLING OPERATING**
- **DO NOT OPERATE FIXTURE IF THE POWER CORD IS FRAYED, CRIMPED, DAMAGED OR IF ANY OF THE POWER CORD CONNECTORS ARE DAMAGED AND DO NOT INSERT INTO THE FIXTURE SECURELY WITH EASEY**
- **NEVER FORCE A POWER CORD CONNECTOR INTO THE FIXTURE. IF THE POWER CORD OR ANY OF ITS CONNECTORS ARE DAMAGED, REPLACE IT IMMEDIATELY WITH A NEW ONE OF THE SAME POWER RATING**
- **ALWAYS DISCONNECT FIXTURE FROM MAIN POWER SOURCE BEFORE PERFORMING ANY TYPE OF CLEANING PROCEDURE**
- **CONSISTENT OPERATIONAL BREAKS WILL ENSURE FIXTURE WILL FUNCTION PROPERLY FOR MANY YEARS**
- **ONLY USE THE ORIGINAL PACKAGING AND MATERIALS TO TRANSPORT THE FIXTURE IN FOR SERVICE**
- **DO NOT ALLOW CHILDREN TO OPERATE THE FIXTURE**
- **IN THE EVENT OF SERIOUS OPERATING PROBLEM, STOP USING THE UNIT IMMEDIATELY**
- **DO NOT OPERATE THIS PRODUCT IF YOU SEE DAMAGE ON THE HOUSING, SHIELDS, OR CABLES. HAVE THE DAMAGED PARTS REPLACED BY AN AUTHORIZED TECHNICIAN AT ONCE.**
- **IN CASE OF DOUBT CONTACT WITH BRIGHTER LIGHTING**

## **2. MAINTENANCE GUIDELINES**

### **DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!**

#### **2.1. CLEANING**

Frequent cleaning is recommended to ensure proper function, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Periodically clean the external lens surface with a soft cloth to avoid dirt/debris accumulation. NEVER use alcohol, solvents, or ammonia-based cleaners .

#### **2.2. MAINTENANCE**

Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside this fixture. Please refer all other service issues to an authorized our service technician. Should you need any spare parts, please order genuine parts from your local dealer.

Please refer to the following points during routine inspections:

- A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in damage or injury as larger parts could fall
- Check for any deformations on the housing,, rigging hardware, and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s)
- Electric power supply cables must not show any damage, material fatigue or sediments. NEVER remove the ground prong from the power cable

## 4.SYSTEM MENU

Main Menu	Sub Menu	Option/Value	Option/Value	
DMX Channel	6Ch			
	17Ch			
	General Ch			
W-DMX Settings	Control	On		
		Off		
	Operating	Receive		
		Transmit		
	Link			
	Receive Reset			
Wireless DMX Settings	Control	On		
		Off		
	Operating	Receive		
		Transmit		
	W-ID code	11D-41D-71D		
	Link			
Receive Reset				
Mode	Preset	01-50		
		Dimmer	000-255	
		Strobe	0-20	
	Custom	A-D	Dimmer 000-255	
			Strobe 000-255	
			Red 000-255	
			Green 000-255	
			Blue 000-255	
			White 000-255	
			Amber 000-255	
			UV 000-255	
	Auto	Prog	00-5-10	
			Step	00-5-10
			Fade	00-5-10
	Sound	Step	00-5-10	
Fade			00-5-10	
System Settings	Display	Full On		
		60%		
		30%		
		Off		
	Display Reverse	On	Off	
			Off	
	Light Number	01-85		
	RF Remote	Off		

		On	
	Reset Reload		
System Info	Firmware	Ver._xxx	
	Time Info	xxxxH	

## Display description:

- DMX Address: Press Enter, then press the Up or Down button to choose an address 001-512.
- DMX Channel: Press Enter, then press the Up or Down button to choose DMX channel 6, 17, General. See Chart below.
- WDMX Settings: Wireless DMX communication used with the W-DMX Series. Press Enter, then the Up or Down button to choose an option.
  - o Control: On/Off – Turn On to control Rx or Tx, Off to disable Rx or Tx. o Operating: Receive (Rx)/Transmit (Tx)
    - Receive (Rx): Press Enter to make the selection
    - Transmit (Tx): Press Enter to make the selection Link: When the WDMX Transceiver is Control On and set as a Transmitter (Tx). Press Enter to link to the lights set as receivers (Rx). \*Note: you need to press Receive Reset first on the receiving lights, then press Link on the WDMX Transceiver. \*Note: when connected to the ICON Series lights, you will see the wireless symbol on the display of the lights. o
    - Receive Reset: Press this option to “unlink” to the receiving lights.
- WirelessDMX Settings: 2.4 Ghz Wireless DMX transmitter with 7 ID Groups used with the Wireless DMX Series. Press Enter, then the Up or Down button to choose an option.
  - o Control: On/Off – Turn On to control Rx or Tx, Off to disable Rx or Tx. o Operating: Receive (Rx)/Transmit (Tx)
    - Receive (Rx): Press Enter to make the selection
    - Transmit (Tx): Press Enter to make the selection
    - W-ID code: Choose 1 (Red), 2 (Green), 3 (Yellow), 4 (Blue), 5 (Purple), 6 (Cyan), 7 (White) o Link: When the WDMX Transceiver is Control On and set as a Transmitter (Tx). Press Enter to link to the lights set as receivers (Rx).
    - Receive Reset: Press this option to “unlink” to the receiving lights.
- Mode:
  - o PrSet: There are 50 preset colors, Dimmer (D) selection from 0-255 brightness, and a Strobe (S) selection from 0-20 (0 being off to 20 being the fastest speed). Press Enter to go into the PreSet settings, when one of the three selections is highlighted red by navigating with the Up/Down button, press Enter to change the settings by pressing UP/Down button, then Enter to save. Press Menu to back out to home page.
    - Custom: There are four custom colors you can create. A, B, C, D. Press Enter to go into the Custom color selection. Press Up/Down button to select A, B, C, or D, then Enter. Then you can adjust the Dimmer from 0-255 brightness, Strobe from 0-25, Red from 0-255, Green from 0-255, Blue from 0-255, White from 0-255, Amber from 0-255 and UV from 0-255. Press Menu to back out to home page.
    - Auto: There are (10) Auto Programs (Pr) and (10) Fade Programs (fa) with speed control, 00-10 (slow to fast).
    - Sound: There are (10) Auto Sound Programs (Pr) and (10) Fade Sound Programs (fa) with sensitivity (Se) control level 00-10.

- **System Settings:**
  - o **Display:** There are four options: Full On, 60%, 30%, Off. Full On will have the display lit up always. 60% will have the display lit up by 60% full brightness and shut off at 60 seconds. Once the Menu button is pressed, the display will light up at 60% brightness. 30% will have the display lit up by 30% full brightness and shut off at 60 seconds. Once the Menu button is pressed, the display will light up at 30% brightness. Off will turn the display off at 60 seconds, once the Menu button is pressed, the display will light up at full brightness.
  - **Display Rev:** Display Reverse, once you set On it will reverse the words in the display. The words will be upside down.
  - **Key Lock:** If you want to lock the display buttons from being pressed, turn On
  - **Key Lock.** The buttons will lock in 60 seconds. The code to get back into the fixture is Button "Up", "Down", "Up", "Down", "Enter". In other words, Button 2, 3, 2, 3, 4.
  - **Light Number:** 01-85 – Make your selection of how many lights you have (01-85) to access the Auto/Fade Program sequences. Each light is to be addressed by series of 6. So light 1 is addressed 001, light 2 is addressed 007, light 3 is addressed 013, light 4 is addressed 019, light 5 is addressed 025 and so forth.
  - **RF Remote:** Turn On or Off
  - **Reset Reload:** Press this to set the WDMX Transceiver to Standard Settings that are in Bold in above chart.

## 5.DMX CHART

### 6Ch

1CH	0-255	Red	Dark to light
2CH	0-255	Green	Dark to light
3CH	0-255	Blue	Dark to light
4CH	0-255	White	Dark to light
5CH	0-255	Amber	Dark to light
6CH	0-255	UV	Dark to light

### 17Ch

CH	Value	Function	Description
1CH	0-255	Dimmer	Dark to light
2CH	0-255	Strobe	
	0-15	Open	
	16-255	S>F	
3CH	0-255	Red	Dark to light

4CH	0-255	Green	Dark to light
5CH	0-255	Blue	Dark to light
6CH	0-255	White	Dark to light
7CH	0-255	Amber	Dark to light
8CH	0-255	UV	Dark to light
9CH	0-255	Chase effect	
10CH	0-255	Chase speed	0-15 off, 16-255 S>F
11CH	0-255	BG Red	
12CH	0-255	BG Green	
13CH	0-255	BG Blue	
14CH	0-255	BG White	
15CH	0-255	BG Amber	
16CH	0-255	BG UV	
17CH	0-255	Lights number	

## 6.SPECIFICATIONS

### CONSTRUCTION/PHYSICAL

Dimensions: 160x160x130mm

Weight: 1Kg

Exterior Color: Black

Protection rating: IP20

### CONNECTIONS

DMX Connection: XLR 5-pin and 3-pin

### CONTROL

Control Protocols: W-DMX G5, W-DMX G4S, W-DMX G3

Operating modes: TX/RX/Auto

Build-in Effects: Yes

Up to 85 devices in auto mode

### ELECTRICAL

Power Supply Voltage: 9V DC

Maximum Power Consumption: 3W



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The manufacturer reserves the right to make changes to technical parameters