lightstar®

AIRLITE Series

User Manual

User Manual

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Lightstar Lights
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Product Overview

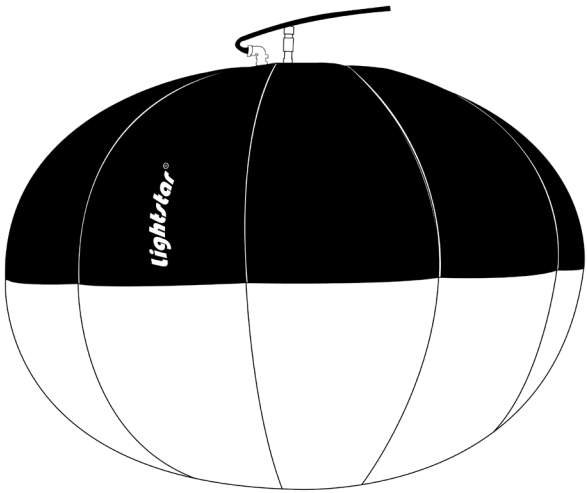
Lightstar LED Airlite is a Bi-Color LED Balloon light. It features:
- high efficiency
- low power consumption
- low operating temperature
- Color temperatures from 2800 - 6500K
- DMX and Wireless DMX

Product Features

- 360° light illumination
- self inflateable system - replenishes air automatically
- high quality bi-color light, CRI = 95
- brightness adjustable from 0 - 100%
- color temperature adjustable between 2800K and 6500K
- luminous flux output stays relatively stable when temperature is adjusted
- supports DMX512 protocol
- LCD software control, easy to operate
- adjustable frequency from 1Hz to 50Hz
- no UV output
- lamp and power-supply are easy to maintain

Technical Information

SKU:	LMSA-2000
Description:	Bi-Color LED Spotlight
Power:	1000W
Material:	different materials
Cooling:	Active Cooling
Color Temperature:	2800-6500K
Dimming:	0-100%
CRI:	95
TLCI:	>96
AC Input (indirect):	100-240V AC
Control:	DMX In- & Output (5-Pin XLR socket)
Frequency:	1-50Hz
IP Class:	IP20
Diameter (inflated):	1800mm
Dimensions:	300 x 1500mm
Weight:	8'000g



Operational Instructions

Connect the power supply to the input socket of the lamp head. The fan will inflate at 100% speed automatically. After 10 seconds, the light brightness will turn on 10%. 1 minute later, the light brightness becomes 100%. 2 minutes later, the light is fully infated and it enters the fan mode to sustain the air level. The fan turns to 20% speed to sustain air level and reduce operation noise.

Enter fan mode from menu, or click button E to enter the silent fan mode. This will reduce noise a lot - due to the reduced fan speed of 15%. The fan control function is not available under fan mode. If you need more inflation, turn off the silence mode.

Once the lamp is restarted, it will power on. According to above mentioned procedure it will inflate at full speed for 2 minutes. To prevent overload of air, you can click button E to stop the inflation.

The home screen shows the brightness value which can be adjusted by turning the adjustment knob on the right side of the display. Select button A to adjust color temperature. Select button A or M to switch back to the home screen.

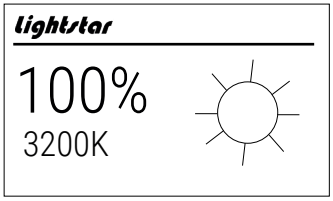


Figure 1 - Brightness Adjustment

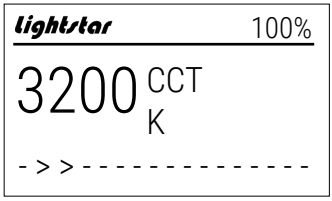


Figure 2 - Temperature Adjustment

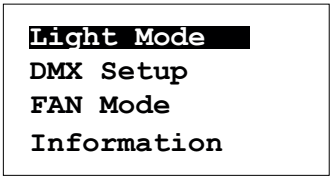


Figure 3 - Menu Screen

Figure 4 - Light Mode Screen

Select button M or quick link button E to enter light mode selection screen.

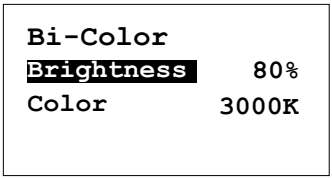


Figure 5 - Brightness Mode Screen

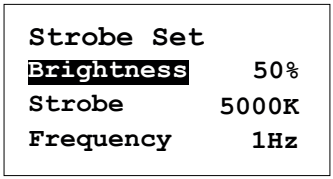


Figure 6 - Strobe Mode Screen

At light mode selection screen, select quick link button A/B to enter light mode. Select button E to enter light parameter adjustment screen.

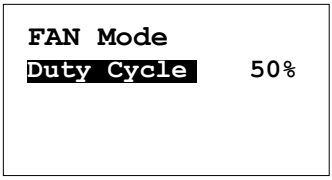


Figure 7 - Fan Mode Screen

On the light mode screen, select the corresponding adjustment parameters by selecting operating buttons, and then adjusting the parameter data by adjusting the knob. The same prosedure goes throught the menu, as well as in the FAN mode.

DMX Control

There are two kinds of DMX signal control: Wireless DMX and DMX. By default, DMX is selected. There are 5-Pin XLR In- & Outputs on the console for DMX via cable. For wireless DMX, there is an antenna mounted on the side of the ballast.

DMX512 Data Pinout is as followed:

Pin 1 Data Link Common GND
Pin 2 Signal GND
Pin 3 Signal +
Pin 4 not used
Pin 5 not used

On menu screen, select DMX to adjust DMX settings. By turning the adjustment knob, you can select the start address from 1 - 512.

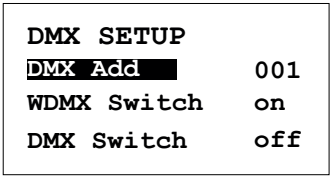


Figure 1 - DMX Setup Screen

Further adjustments are made as mentioned before.

Wireless DMX Control

Click the push button to show current ID settings. Click the push button to increase number.

1 - Red
2 - Green
3 - Yellow
4 - Blue
5 - Purple
6 - Bluish Green
7 - White

Working Status:

LED is always on	no DMX or no signal
Red LED flashing	sending
Green LED flashing	receiving

RF freqency features 126 bands, which are selected automatically to avoid interference.

Communication

1. Power on the transmitter and receiver
2. Press key, set same ID for transmitter and receiver. If there is more than one group of wireless LAN, make sure the ID of each network is different.
3. After sender receives DMX data, the sender will select a non-interfering frequency band. The receiver will change communication bands until the same ID data is found (green LED flashes). If DMX data communication has been established, LED will blink faster.

Notice and Maintenance

1. LED's operating temperature range must be guaranteed between - 20°C to +40°C. Overheating or undercooling can both reduce the fixtures life span.

2. The product must be placed on a solit, flat and dry surface. The surface temperature should be less than 50°C. Avoid exposure to direct sunlight and operation in an enviroment with high humidity or explosive gas.

3. Do not beat, knock or shake the light violently or it may influence the normal use of the light.

4. Do not cover lamps with paper, cloth or similar materials that could ignite due to high temperature.

5. Put the lamp in a cool and dry place when you do not use it for a long time.
6. Avoid any flammable liquid, water or metal material entering the machine. Cut off the power supply as soon as this happens.

7. Do not use machines in dirty and dusty environments and clean them regularly.

8. The technicians must get professional trainings to install, operate or repair LED's.

9. If any equipment from Lightstar doesn't work properly, please get in contact with a Lightstar special repair department or professional technician. Do not disassemble or reassemble the parts by yourself.

Service Warranty Ordinance

Customers enjoy a one-year free warranty service as of the date of purchasing our product.

1. If the expiry date of the warranty is reached, our product can still be repaired for an according price.

2. In any of the following circumstances, the product is not repaired free of charge, whether the warranty period expires or not.
- Damage caused by misuse or abuse, disassembly and non-original parts replacement.
- Damage caused by natural disasters, unconventional voltage and environmental factors

3. Lightstar will remain in the power of interpretation.

4. Software version modification without further notice.

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