AFX LIGHT 16-2803 RGBW LED Fresnel Projector User Manual

TLIGHT-RGBW
CODE: 16-2803
RGBW LED FRESNEL PROJECTOR
FOR STAGE & THEATRE 200W

User Manual

Contents

UNPACKING INSTRUCTIONS

Immediately upon receiving a fixture, carefully unpack the carton, check the contents to ensure that all parts are present and have been received in good condition. Notify the freight company immediately and retain packing material for inspection if any parts appear to be damaged from shipping or the carton itself shows signs of mishandling. Keep the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

EXPLANATION OF SYMBOLS ON THE SILKSCREEN

⚡	The triangle containing a lightning symbol is used to indicate whenever your health is at risk (due to electrocution, for example).
⚠	An exclamation mark in a triangle indicates particular risks in handling or operating the appliance.
UK CA	The unit complies with UK standards
⌂	For indoor use only
◖0.5m	Minimum distance between the appliance and other objects

⚠ **CAUTION** ⚡
DO NOT OPEN THE HOUSING SHOCK HAZARD

Please read this manual carefully before operating this product.

SAFETY RECOMMENDATIONS

- Please read these instructions carefully, they include important information about the installation, usage and maintenance of this product.
- Please keep this User Guide for future reference. If you sell the unit to another user, be sure that he also receives this instruction booklet.
- Always make sure that you are connecting to the proper voltage, and that the line voltage you are connecting to is not higher than that stated on the bottom of the fixture.
- The appliance is part of class I and must exclusively connected to an earthed mains outlet.

- This product is intended for indoor use only!

- To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable materials close to the unit while operating.

- The unit must be installed in a location with adequate ventilation, at least 20in (50cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.

- The minimum distance luminaire from that part of the luminaire or lamp to the lighted object is 0.5m.

- The max. ambient temperature (Ta) is 40°C. Don't operate the fixture at higher temperatures.

- The surface temperature of the unit may reach up to 85°C. DO NOT TOUCH the housing barehand during its operation. Turn off the power and allow about 15 minutes for the unit to cooldown before replacing or servicing.

- DO NOT OPEN the unit within 5 minutes after switching off.

- In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction.
  Please contact the nearest authorized technical assistance center. Always use the same type of spare parts.

- Make sure the power cord is never crimped or damaged.

- Never disconnect the power cord by pulling or tugging on the cord.

- Avoid direct eye exposure to the light source while it is on as sensitive persons may suffer an epileptic shock (especially meant for epileptics)!.

- The product is for decorative purposes only and not suitable as a household room illumination.

- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

- The lenses, housing or ultraviolet filter must be replaced if they are visibly damaged.

DISCONNECT DEVICE

Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

INSTALLATION

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight.
The installation must always be secured with a secondary safety attachment, e.g. an appropriate safety rope.
Never stand directly below the device when mounting, removing or servicing the fixture.

DMX CONNECTION
Connect an XLR cable to the male 3-pin XLR output of your controller and the other side to the female 3-pin XLR input of the light. You can chain multiple lights together through serial linking
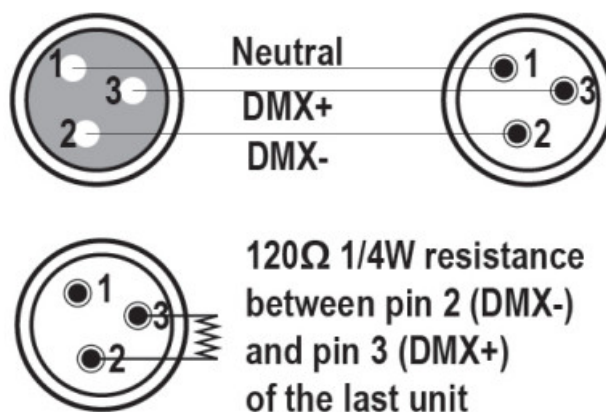The cable needed should be two core, screened cable with XLR input and output connectors.
DATA CABLING
To link fixtures together you must use data cables. If you choose to create your own cable, please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

CABLE CONNECTORS
Cabling must have a male XLR connector on one end and a female XLR connector on the other end.

120Ω 1/4W resistance between pin 2 (DMX-) and pin 3 (DMX+) of the last unit

Termination reduces signal errors. To avoid signal transmission problems and interference, it is always advisable to connect a DMX signal terminator.

CAUTION

Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to check correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.

DMX MODE SETTING:

When the fixture is in DMX status, you can connect several machines via the signal cable, without the use of a DMX controller. This is the Master/slave mode. You set up the mode on the first fixture and the other fixtures will follow the master automatically.

If the fixture is connected to a DMX controller, the signal will be sent from the controller and you can control the fixture via DMX.

MENU MAP

The fixture has an LCD display with 4 buttons on the rear panel. Press MENU to choose different functions, press UP/DOWN to modify the value, press ENTER to confirm.

Menu	Function	Contents
DMX-ADDR 001	DMX512 address setting	Press up/down button to choose the DMX value, and then press enter button confirm
R-DIMMER 255	Red dimmer adjustment	Press up/down button to choose the brightness, and then press enter button confirm
G-DIMMER 255	Green dimmer adjustment	Press up/down button to choose the brightness, and then press enter button confirm
B-DIMMER 255	Blue dimmer adjustment	Press up/down button to choose the brightness, and then press enter button confirm
H-DIMMER 255	White dimmer adjustment	Press up/down button to choose the brightness, and then press enter button confirm
PROGRAM 01	Internal programs setting	Press up/down button to choose the programs, and then press enter button confirm
SPEED 01	Internal programs speed setting	Press up/down button to choose the programs speed, and then press enter button confirm
Test-md auto	Auto mode testing	Press enter button confirm
Test-md audi	Sound mode testing	Press enter button confirm

9 CHANNEL DMX TABLE

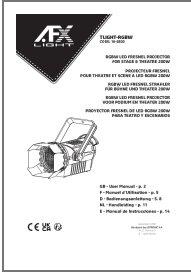| Channel	Value	Function
CH1	0-255	Master dimmer, from dark to bright
CH2	0-255	Total strobe adjustment
CH3	0-255	Red dimmer from dark to bright
CH4	0-255	Green dimmer from dark to bright
CH5	0-255	Blue dimmer from dark to bright
CH6	0-255	White dimmer from dark to bright
CH7	0-255	Colour selections
CH8	0-255	Micro Internal programs
CH9	0-255	Micro function speed adjustment, 0 is fastest, 255 is slowest

SPECIFICATIONS

Power supply ……………………………………………………. 100-240V~ 50/60Hz
Consumption …………………………………………………… 200W
Colour temperature ……………………………………..3200K±150; 5600K±150
Colour of the LEDs …………………………………………………. RGBW
Lifetime of the LEDs ………………………………………… Approx. 30.000 hours
CRI …………………………………………………………… Ra≥92
RGBW dimmer ………………………………………………………… 0-100%
Beam angle of manual zoom ………………………………………… 15-50º
Cooling ………………………………………………….. fans
Dimensions …………………………………………..450 x 259 x 240mm
Weight …………………………………………………… 6.5kg

IMPORTANT NOTE: Electric products must not be put into household waste. Please bring them to a recycling centre. Ask your local authorities or your dealer about the way to proceed.

Documents / Resources

AFX LIGHT 16-2803 RGBW LED Fresnel Projector [pdf] User Manual
16-2803, 16-2803 RGBW LED Fresnel Projector, RGBW LED Fresnel Projector, LED Fresnel Projector, Fresnel Projector, Projector

References

- **Logo AFX**
- **User Manual**