

Quick Start Guide

MINIBRUT 4 RGBW



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1. Unpacking

Thank you for choosing our 18PCS RGBW 4in1 FLAT PAR. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

This FLAR PAR light is made of a new type of high temperature strength of Metal casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

This product adopts 10W RGBW 4-IN-1 LEDs which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:

Flat Par Light----- One	Signal Cable----One
User Manual----One	Power Cable---One

2. Safety Instructions

**CAUTION!**

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

**Important:**

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device.

Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person. The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual. Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually. Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

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.

3. Operation Instructions

- The 18PCS RGBW 4in1 FLAT PAR for on-site decoration purpose.
- Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.
- This light should be keep away from strong shaking during any transportation or movement.
- Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.
- Make sure the installation place is in good safety condition before installing the fixture.
- Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.
- Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.
- Make sure the fixture is operated by qualified personnel who knows the fixture before using.
- Keep the original packages if any second shipment is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
- It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

4. Installations

- Please keep the fixture away from inflammable materials at least 0.5 meters.
WARNING: Use the hooks to fix at the handle of the fixture. and make sure the place

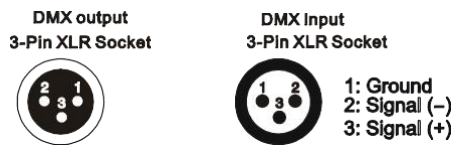
where you install the fixture is in safe conditions; and make sure it can stand ten times weight as the fixture. Then test it for at least one hour to see whether it is fine.

- You'd better add second protection to avoid the lose of the spare parts.

Please fix the fixture with the safety chain during installation which has to bear at least the weight ten times as the light.

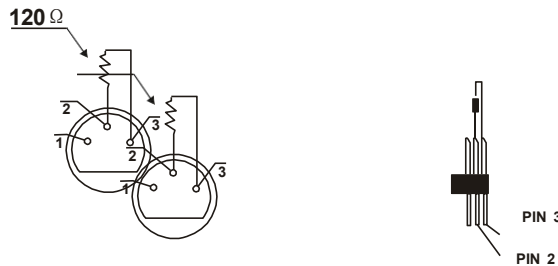
5.DMX-512 control connections

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.



DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



6.Menu Operations

Press the MENU button will display different function. Press ENTER to choose the desire function. Press UP or DOWN to choose the desire value. Press ENTER to confirm or MENU to return back.

No.	Menu	Value	Description
1	A001	001- 512	DMX512 address setting -8-channel mode
2	d001	001- 512	DMX512 address setting -20 channel mode
3	r255	000 - 255	1-4 eyes with red dimming, from dark to bright.
4	G255	000 - 255	1-4 eyes green dimming, from dark to bright.
5	b255	000 - 255	1-4 eyes with blue dimming, from dark to bright.
6	u255	000 - 255	1-4 eyes with white dimming, from dark to bright.
7	FH00	00 - 99	No stroboscopic at 00, global stroboscopic at 01-99, from slow to fast.
8	CL01	01 - 78	Manual color selection mode.
9	CC99	01 - 99	Jump from slow to fast.
10	DE99	01 - 99	Gradient, from slow to fast.
11	CP99	01 - 99	Pulse changes from slow to fast.
12	SU01	01 - 02	Mode: 1 refers to stroboscopic jump, 2 refers to jump

Note: Long Press MENU to enter the background operation, and press ENTER to determine the storage.

0	0	Enter the background mode
R100	0-255	Red LED,brightness from dark to bright
G100	0-255	Green LED,brightness from dark to bright
B100	0-255	Blue LED,brightness from dark to bright
W100	0-255	White LED,brightness from dark to bright
SEnd		Backstage Data sent
SU35	1-40	Sound Control sensitivity
Iron	Lron/Lrof	Remote control

7.DMX Channels 8CH / 28CH

8-CH DMX Channels (A001 MODE)

Channel	Function	Value	Description
1	Dimmer	0-255	0-100% Dimmer
2	Shutter	0-255	Strobe Speed from Slow to Fast
3	Effect	0	dimming mode;
		1-50	color selection (selected by ch8);
		51-82	single jump effect 1-single jump effect 32;
		83-100	jump all effects;
		101-132	single gradient effect 1-single gradient effect 32;
		133-150	gradient all effects;
		151-182	single pulse effect 1-single pulse effect 32;
		183-200	pulse change all effects;
		201-255	voice control (ch8 selects voice control 1 and 2)
4	Effect Speed	0-255	Function speed, from slow to fast (color selection for color output and voice control for stroboscopic and jump)
5	Red	0-255	Red Dimming 0-100%
6	Green	0-255	Green Dimming 0-100%
7	Blue	0-255	Blue Dimming 0-100%
8	White	0-255	White Dimming 0-100%

20-CH DMX Channels (D001 MODE)

Channel	Function	Value	Description
1	Dimmer	0-255	0-100% Dimmer
2	Shutter	0-255	Strobe Speed from Slow to Fast
3	Effect	0	dimming mode;
		1-50	color selection (selected by ch8);
		51-82	single jump effect 1-single jump effect 32;
		83-100	jump all effects;
		101-132	single gradient effect 1-single gradient effect 32;
		133-150	gradient all effects;
		151-182	single pulse effect 1-single pulse effect 32;
		183-200	pulse change all effects;

		201-255	voice control (ch4 selects voice control 1 and 2)
4	Effect Speed	0-255	Function speed, from slow to fast (color selection for color output and voice control for stroboscopic and jump)
5	Red 1	0-255	Red Dimming 0-100%
6	Green 1	0-255	Green Dimming 0-100%
7	Blue 1	0-255	Blue Dimming 0-100%
8	White 1	0-255	White Dimming 0-100%
9	Red 2	0-255	Red Dimming 0-100%
10	Green 2	0-255	Green Dimming 0-100%
11	Blue 2	0-255	Blue Dimming 0-100%
12	White 2	0-255	White Dimming 0-100%
13	Red 3	0-255	Red Dimming 0-100%
14	Green 3	0-255	Green Dimming 0-100%
15	Blue 3	0-255	Blue Dimming 0-100%
16	White 3	0-255	White Dimming 0-100%
17	Red 4	0-255	Red Dimming 0-100%
18	Green 4	0-255	Green Dimming 0-100%
19	Blue 4	0-255	Blue Dimming 0-100%
20	White 4	0-255	White Dimming 0-100%

8.Specification

Input voltage: AC90-220V 50-60Hz

LED Quantities: 18pcs high power 4-in-1 LEDs(10w) Controlmode:

DMX512,Master-slave,Sound and Auto Control channel: 8/28 DMX channels

Power consumption: 200W Dimensions:

280x205x282mm N.W: 2.10 G.W: 2.60

9.Feature

50000 hours lifespan and low power consumption

Aluminum die-casting structure design with optimum cooling system Features

Fan Shape chasing effect

Infinite RGBW color mixing system and rainbow effect

16.7 million additive RGB colors with full saturation control Built-in programs

that could be called up via DMX controller 0-100% electronic dimming and

blackout for all LEDs

Hand by hand power cable & signal cable

Dual bracket system available for setting the fixture on the ground or hanging 25° beam angle, IP20

Protection Level

Black housing / White housing both available

0-100% Linear Dimming, High Speed Strobe effect with 1-25 flashers/s Standard DMX512 Control

10. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. Some Units don't respond to the easy controller

1. You may have a break in the DMX cabling. Check the LED for the response of the master/slave mode signal.
2. Wrong DMX address in the unit. Set the proper address.

D. No response to the sound

1. Make sure the unit does not receive DMX signal.
2. Check microphone to see if it is good by tapping the microphone.

11. Maintenance and Cleaning

The following points have to be considered during the inspection:

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine parts from your local dealer.



experience the light.

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Specifications subject to change without prior notice.