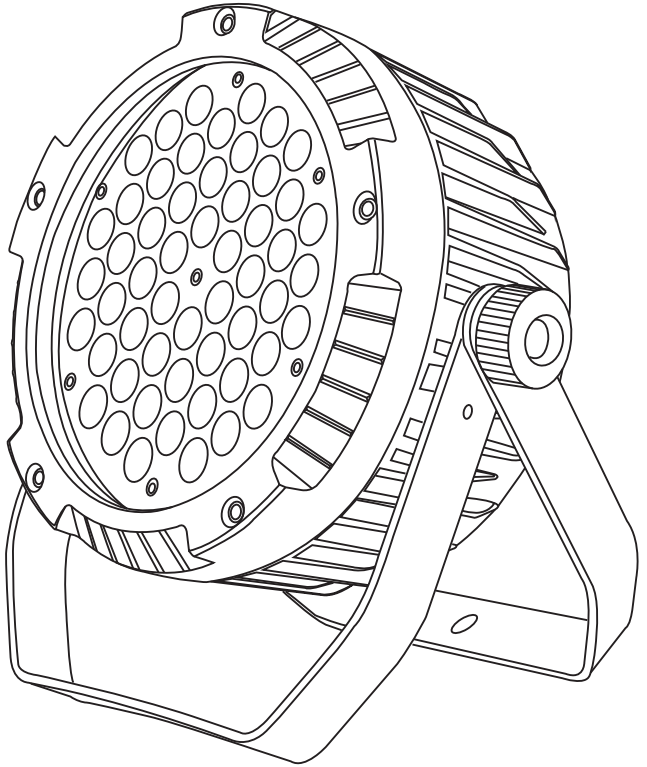
JUNIOR PR



JNR FLAT PAR D
JNR-8160D

PR LIGHTING LTD.
http://www.pr-lighting.com
1582 Xingye Avenue, Nancun Panyu
Guangzhou, 511442 China
TEL: +86-20-3995 2888

1 SAFETY INSTRUCTIONS

CAUTION
Becareful with your operations.With a dangerous voltage you cansuffer 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.

10 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.

CAUTION
Disconnect from mains before starting maintenance operation.



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.

9 DMX CHANNELS

4CH Mode

Channel	Function	Description
1	Red	Red dimmer,linear dimmer,from dark to bright
2	Green	Green dimmer,linear dimmer,from dark to bright
3	Blue	Blue dimmer,linear dimmer,from dark to bright
4	White	White dimmer,linear dimmer,from dark to bright

8CH Mode

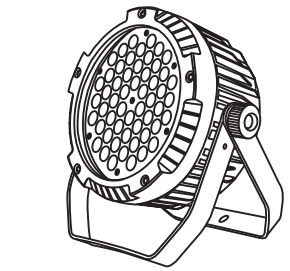
Channel	Function	Description
1	Dimmer	Dimmer,linear dimmer,from dark to bright
2	Strobe	Strobe from slow to fast
3	Selection	0-50:DMX 8CH control;51-100:Saltus Step;101-150:Gradual change;151--200:Pulse variable;201-255:Sound control;
4	Speed	Function of speed,suspended from slow to fast
5	Red	Red dimmer,linear dimmer,from dark to bright
6	Green	Green dimmer,linear dimmer,from dark to bright
7	Blue	Blue dimmer,linear dimmer,from dark to bright
8	White	White dimmer,linear dimmer,from dark to bright

2 UNPACKING

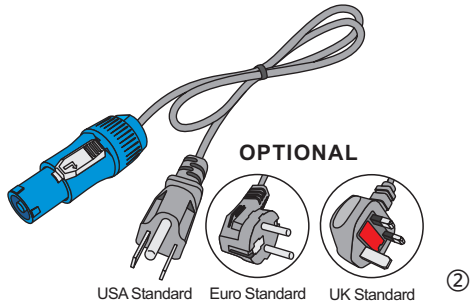
Thank you for choosing our JNR FLAT PAR D. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well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

The JNR FLAT PAR D is made of a new type of high temperature strength of cast aluminum 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.

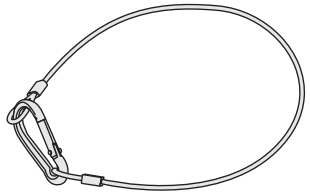
The JNR FLAT PAR D adopts 54PCS high power 3W LEDs 4-IN-1(RGBW) which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:



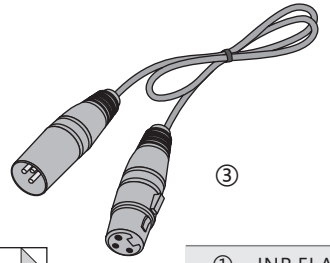
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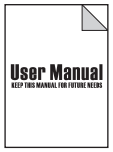
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③



⑤

①	JNR FLAT PAR D	1PC
②	Power Cable	1PC
③	Signal Cable	1PC
④	Safety Cable	1PC
⑤	User Manual	1PC

3 FEATURES & SPECIFICATIONS

Features

- Automatic operation with built-in programs
- DMX512 controllable
- Master-slave operation
- Sound activation
- 25°beam angle
- 50,000 hours life span
- 0-100% electronic dimming
- High speed white color or color changing strobe with 1-13Hz frequency range
- 3-pin XLR connectors IN/OUT
- 40°max environment temperature
- 60°max par light temperature
- Powercon connector IN/OUT
- T0.8A fuse
- IP20 protection rating

Specifications

Input Voltage: AC90-240V 50/60Hz
LED Quantities: 54PCS 54*3W (RGBW)
Control Signal: DMX512, master-slave and sound activated or auto operation
Control Channel: 4/8 DMX Channels
Power Consumption: 84W
Dimensions: 210(D)*210(W)*120(H)mm
Packing Dimensions: 250(D)*250(W)*360(H)mm
Net Weight: 4.0kg
Gross Weight: 5.0kg

8 MENU OPERATIONS

Serial number	According	Description
1	A001	4CH DMX address setting,(001-512) Please UP/DOWN to increase/decrease the values
2	D001	8CH DMX address setting,(001-512) Please UP/DOWN to increase/decrease the values
3	CC00	Color jumping effects(01-99) Please UP/DOWN to change the jumping
4	CP00	Color fading effect (01-99) Please UP/DOWN to change the fading
5	dE00	Pluse color change effect(01-99) Please UP/DOWN to change the pluse
6	SS01	Sound Control(01-99) Please UP/DOWN to change the sound control
7	bEbE	Color changing effect by sound control
8	R220	Red Dimming,(000-255) Please UP/DOWN for red dimming
9	G220	Green Dimming,(000-255) Please UP/DOWN for green dimming
10	B220	Blue Dimming,(000-255) Please UP/DOWN for blue dimming
11	W220	White Dimming,(000-255) Please UP/DOWN for white dimming
12	F.OF	No function

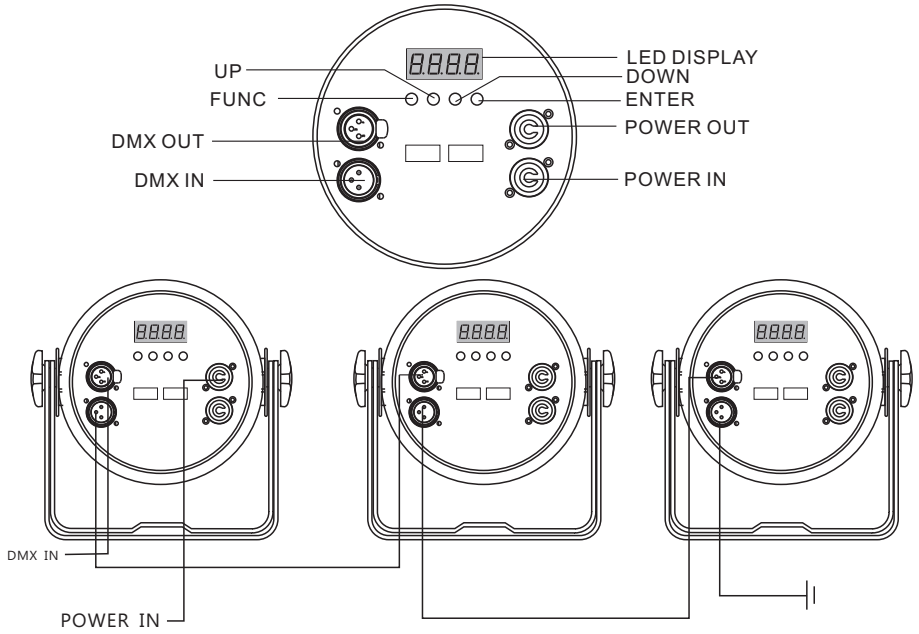
Regardless of the rigging option you choose for your JNR FLAT PAR D, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

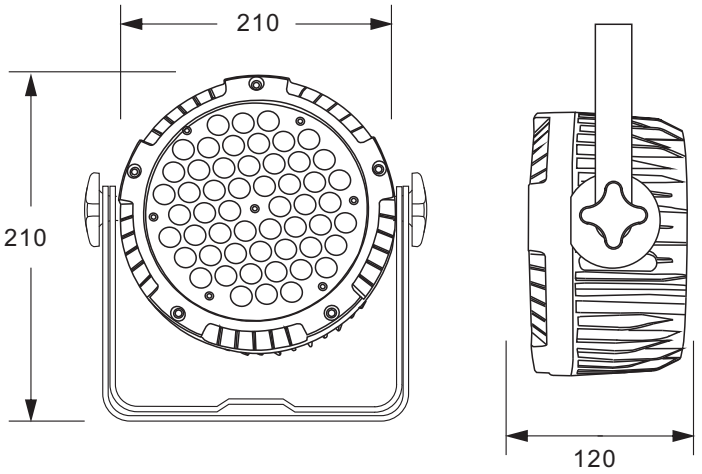
7 DMX-512 CONTROL CONNECTIONS

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 par can. You can chain multiple

Par can 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



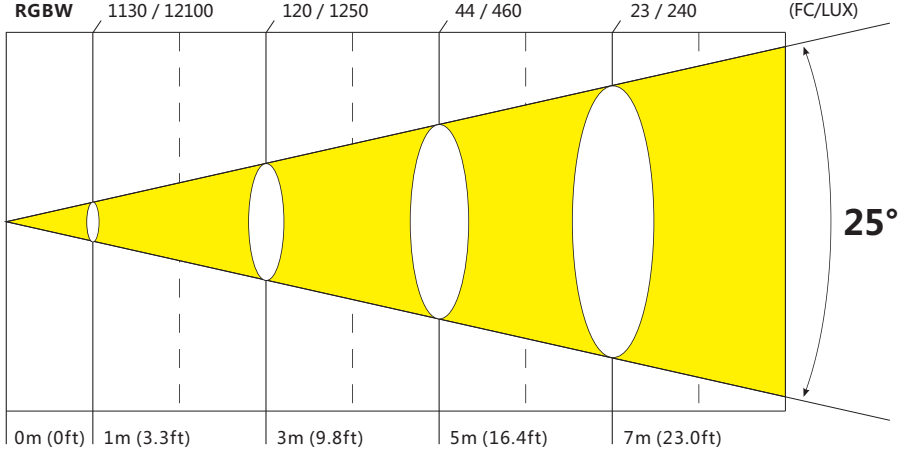


4 PHOTOMETRIC DATA

Photometric Beam Angle Data *25°Beam Angle LUX × 0.0929=FC*

R	210 / 2200	24 / 260	9 / 95	5 / 40
G	28 / 3060	30 / 320	10 / 110	6 / 50
B	379 / 4080	40 / 430	15 / 150	8 / 72
W	351 / 3780	37 / 400	13 / 140	7 / 70
RGBW	1130 / 12100	120 / 1250	44 / 460	23 / 240

(FC/LUX)



5 OPERATION INSTRUCTIONS

- The JNR FLAT PAR D is an LED wash light 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 pull up the light by only the head, or it might cause damages to the mechanical parts.
- 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.

6 INSTALLATIONS

Cautions: For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

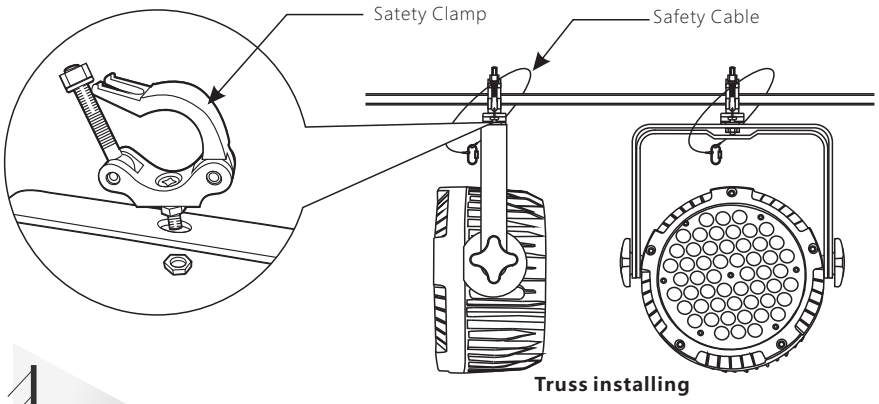
from a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5 ft) away from any flammable materials (decoration etc.).

Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

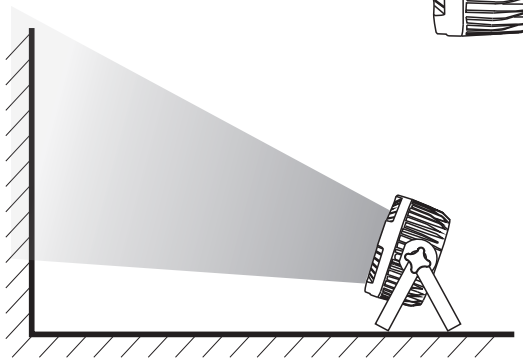
Mounting points: Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Clamp mounting: The JNR FLAT PAR D provides a unique mounting bracket assembly, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the handle using a M10 screw fitted through the center hole of the handle. As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point.



Truss installing



Floor projection