

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.

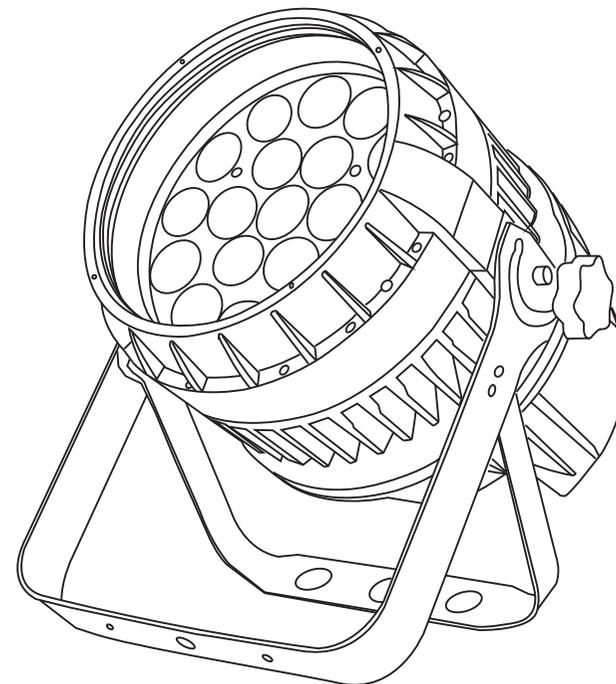
- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor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

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JNR PAR ZOOM A JNR-8154A

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1 SAFETY INSTRUCTIONS



CAUTION

Becareful 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.

9 DMX CHANNELS

Mode/Channel		Function	Values	Description
19CH	11CH			
1	1	Dimmer	0-255	Dimmer 0%...100%
2	2	Shutter	0	Shutter open
			1-255	Strobe effect slow to fast
3	3	Red	0-255	0-100% Red dimmer from dark to bright
4	4	Green	0-255	0-100% Green dimmer from dark to bright
5	5	Blue	0-255	0-100% Blue dimmer from dark to bright
6	6	White	0-255	0-100% White dimmer from dark to bright
7		Red 1	0-255	0-100% Red dimmer from dark to bright
8		Green 2	0-255	0-100% Green dimmer from dark to bright
9		Blue 3	0-255	0-100% Blue dimmer from dark to bright
10		White 4	0-255	0-100% White dimmer from dark to bright
11		Red 1	0-255	0-100% Red dimmer from dark to bright
12		Green 2	0-255	0-100% Green dimmer from dark to bright
13		Blue 3	0-255	0-100% Blue dimmer from dark to bright
14		White 4	0-255	0-100% White dimmer from dark to bright
15	7	Select Effect	0-255	Color combination
			0-10	Before nine channels effectively
			11-119	Jump effect
			120-179	Fading effect
			180-244	Jump effect, Fading effect, Pulse-effect
		245-255	Internal sound program	
17	9	Special function Speed	0-255	Special function from fast to slow
18	10	Zoom	0-255	In(near) to out (far)
19	11	Reset	0-245	NO function
			246-255	Reset

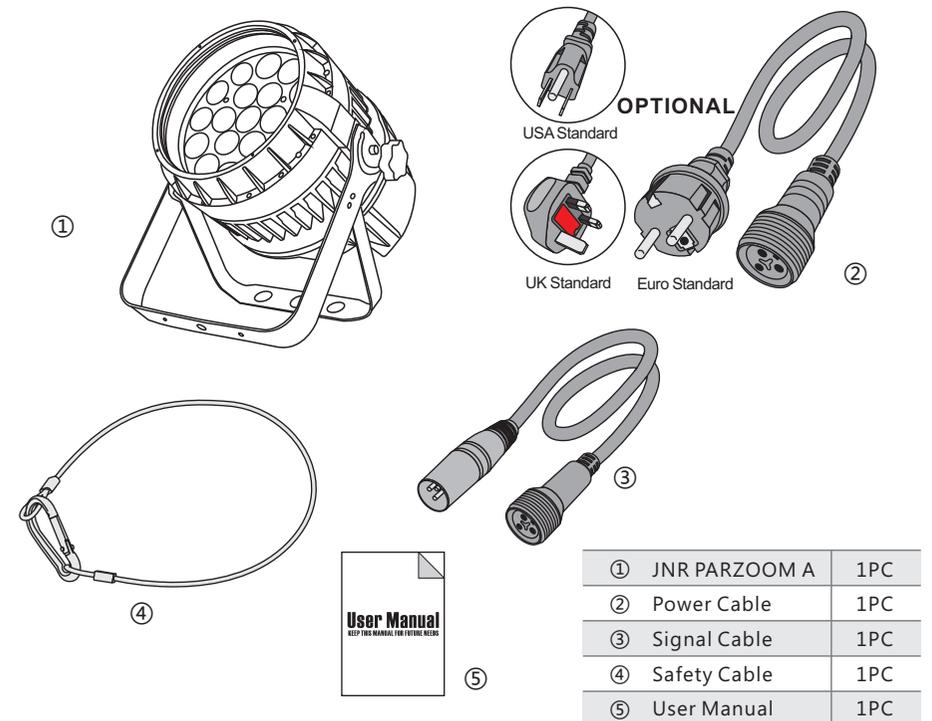
MENU	Mode	Address	Value	A001~494	DMX address setting
			Slave	On/Off (slave)	Slave machine setting
		Auto	IP1~8	Alone (AU-A)	Alone running internal program
				Master (AU-M)	Automatic running Master setting
	Sound	IP1~8	Alone (SO-A)	Alone sound control running	
			Master (SO-M)	Automatic sound control Master running setting	
	Set	Mic	M-XX		Mic sensitivity
		Loading	On/Off		Overloading data
		Version	V-1.0~V-9.9		Software version
		Calibration	Code (password:088)		Calibration function(password)
CH01-CH19			Calibration channel		
DMX	Ch19			Channel mode 1	
	Ch11			Channel mode 2	
Reset	On/Off			All reset	

2 UNPACKING

Thank you for choosing our JNR PARZOOM A. 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 PARZOOM A is made of a new type of high temperature strength of engineering plastics and 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 PARZOOM A adopts 19PCS 4-IN-1 15W OSRAM 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:



3 FEATURES & SPECIFICATIONS

Features

- 19*15W 4-in-1 OSRAM LEDs (RGBW)
- 50,000 hours lifespan and low power consumption
- High light output with even color mixing
- Motorized linear zoom from 8° to 60°
- 0-100% Smooth LED dimmer
- Flicker free control system for TV production and film
- High efficiency LED shutter with variable speed
- Strobe effect with 1-25T/s and pulse effect
- LED rainbow effect
- Built-in default programs
- Macro effects
- 19/11 DMX channels USITT MDX-512
- DMX512, master-slave and sound activated controllable or auto operation
- 4-Button LED display control menu
- Noise free efficient aluminum cooling system
- IP65 protection rating
- IP rated power connector IN/OUT
- IP rated 3-pin DMX connectors IN/OUT
- -35°C~45°C ambient temperature
- Dual mounting brackets for installation/floor stand
- Power link up to 4 units at 120V and 8 units at 230V

Specifications

Input Voltage: AC90-260V 50/60Hz

LED Quantities: 19PCS 4-IN-1 15W OSRAM LEDs

Control Signal: DMX512, master-slave and sound activated or auto operation

Control Channel: 19/11 DMX Channels USITT DMX-512

Power Consumption: 200W

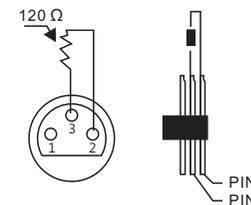
Dimensions: 250(D)*250(W)*305(H)mm

Packing Dimensions: 370(D)*340(W)*425(H)mm

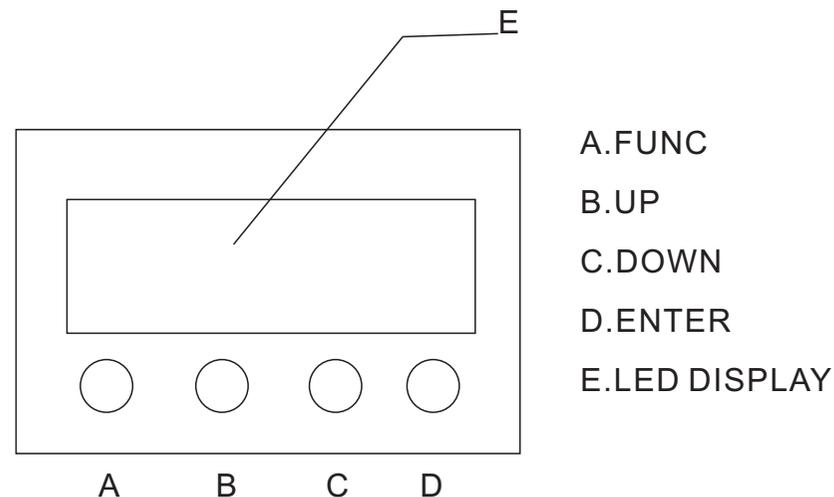
Net Weight: 10.2kg

Gross Weight: 12kg

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.



8 MENU OPERATIONS



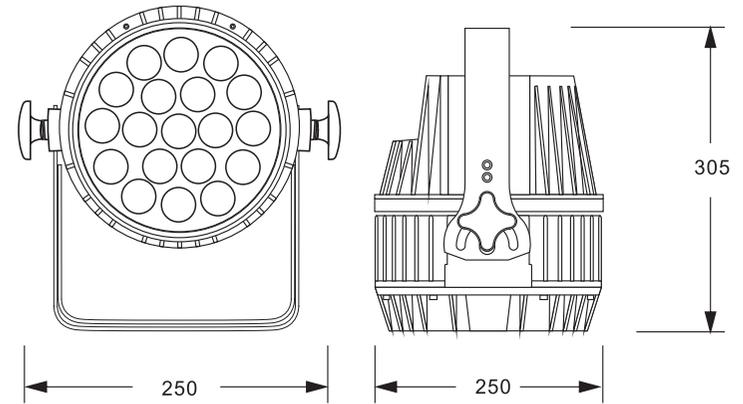
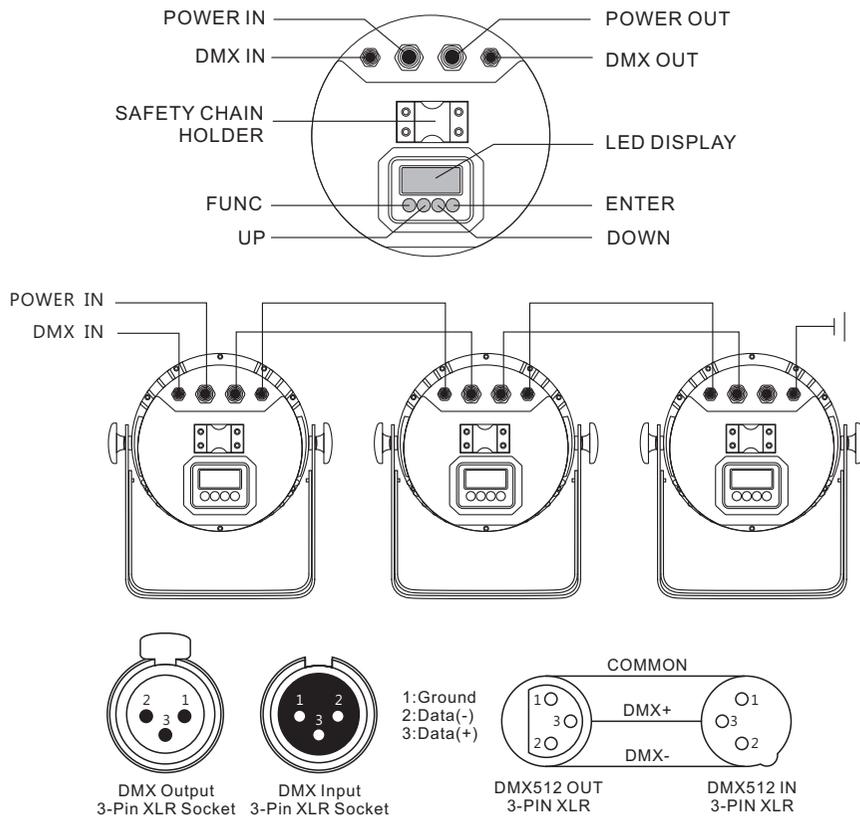
Regardless of the rigging option you choose for your JNR PARZOOM A, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety 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.

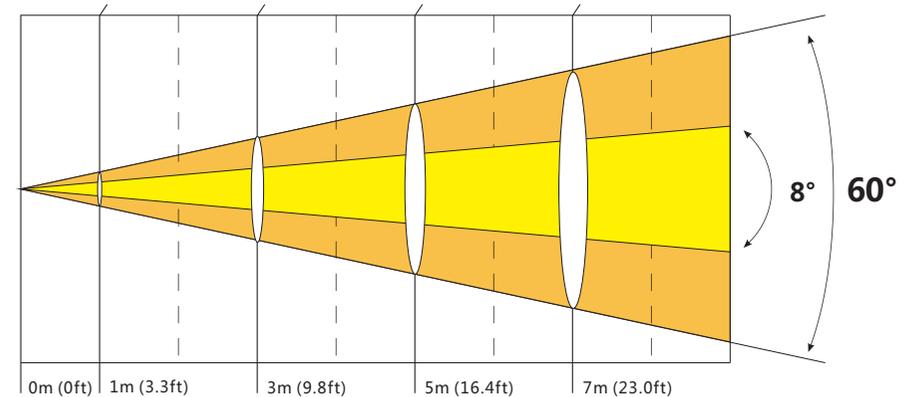
DMX-512 connection with DMX terminator



4 PHOTOMETRIC DATA

Photometric Beam Angle Data $LUX \times 0.0929 = FC$

Beam Angle	R	G	B	W	RGBW	(FC/LUX)
8°	705 / 7590	1901 / 20470	2778 / 29900	2638 / 28405	6837 / 73600	
	138 / 1484	320 / 3450	459 / 4945	438 / 4715	1121 / 12075	
	45 / 495	123 / 1323	172 / 1852	167 / 1794	415 / 4474	
	23 / 253	59 / 633	180 / 851	180 / 851	190 / 2047	
60°	110 / 1185	238 / 2565	342 / 3692	395 / 4255	876 / 9430	
	32 / 345	47 / 506	44 / 483	59 / 633	144 / 1230	
	14 / 156	18 / 196	22 / 242	24 / 259	44 / 472	
	12 / 127	16 / 173	17 / 184	18 / 196	26 / 276	



5 OPERATION INSTRUCTIONS

- The JNR PARZOOM A is for beam effect 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 PARZOOM A provides a unique mounting bracket assembly that integrates the bottom of the base, 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 included omega bracket using a M10 screw fitted through the center hole of the "omega bracket". 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 integrated in the base assembly.

