

## 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.

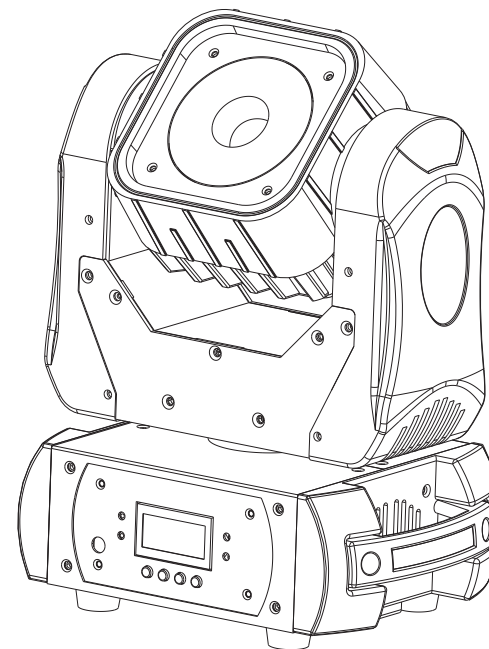
We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

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.

# JUNIOR

PR



## JNR DOT BEAM JNR-8127

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# 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.

12	14	Internal Dynamic Programs	0-4	No function
			5-24	Internal program 1
			25-49	Internal program 2
			50-74	Internal program 3
			75-99	Internal program 4
			100-124	Internal program 5
			125-149	Internal program 6
			150-174	Internal program 7
			175-199	Internal program 8
			200-224	Internal program 9
			225-255	Internal program 10
13	15		0-255	Speed control of internal programs from slow to fast
14	16	Macro	0-49	No function
			50-99	Static programs (internal programs)
			100-149	Dynamic programs (internal programs)
			150-199	Auto running
			200-255	Sound control
15	17	Reset	0-250	No function
			251-252	Reset in 3s
			253-255	No function

## 9 DMX CHANNELS

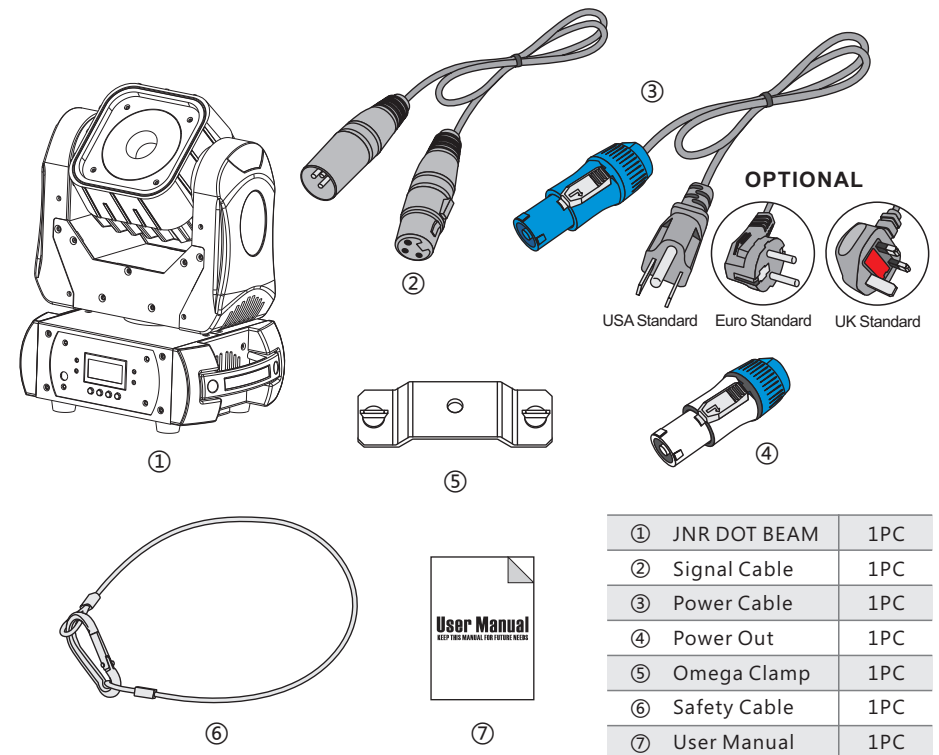
Mode/CH		Function	Values	Description
15CH	17CH			
1	1	PAN	0-255	PAN movement 0°~540°
2	2	Infinite	0-55	PAN rotation stop
		PAN	56-155	Forwards infinite PAN rotation from slow to fast
			156-255	Backwards infinite PAN rotation from slow to fast
	3	PAN fine	0-255	Fine control of PAN movement
3	4	TILT	0-255	TILT movement 0°~360°
4	5	Infinite	0-55	TILT rotation stop
		TILT	56-155	Forwards infinite TILT rotation from slow to fast
			156-255	Backwards infinite TILT rotation from slow to fast
	6	TILT Fine	0-255	Fine control of TILT movement
5	7	Speed	0-255	Speed control of PAN/TILT from fast to slow
6	8	Dimmer	0-255	0...100% Linear dimmer from dark to bright
7	9	Strobe	0-19	Strobe OFF
			20-49	Strobe ON
			50-64	Strobe effect from fast to Slow
			65-69	Strobe ON
			70-84	Pulse strobe ON effect from fast to Slow
			85-89	Strobe ON
			90-104	Pulse strobe OFF effect from fast to Slow
			105-109	Strobe ON
			110-124	Random strobe effect from fast to slow
			125-129	Strobe ON
			130-144	Random strobe ON effect from fast to slow
			145-149	Strobe ON
			150-164	Random strobe OFF effect from fast to slow
			165-169	Strobe ON
			170-184	Thunder 1 strobe effect from fast to slow
			185-189	Strobe ON
			190-204	Random thunder strobe effect from fast to slow
			205-209	Strobe ON
			210-224	Sine strobe effect
			225-229	Strobe ON
230-244	Thunder 2 strobe effect from fast to slow			
245-255	Strobe ON			
8	10	Red	0-255	0-100% Red dimmer from dark to bright
9	11	Green	0-255	0-100% Green dimmer from dark to bright
10	12	Blue	0-255	0-100% Blue dimmer from dark to bright
11	13	White	0-255	0-100% White dimmer from dark to bright

## 2 UNPACKING

Thank you for choosing our JNR DOT BEAM. 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 DOT BEAM 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 DOT BEAM adopts 1 PCS 60W OSRAM LE RTDUW S2WP 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:



### 3 FEATURES & SPECIFICATIONS

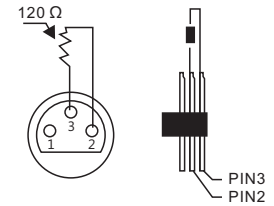
#### Features

- 1\*60W OSRAM LE RTDUW S2WP 4-in-1 LED
- 50,000 hours lifespan and low power consumption
- Each color controllable individually
- Outstanding sharp BEAM effect and remarkable wash effect with pure color mixing
- Specific high efficiency 4.5° optic system
- Flicker free sources management
- 8/16 Bit smooth, fast and precise infinite (continuous) PAN/TILT movement
- Scan position memory, auto reposition after unexpected movement
- High speed strobe effect with 1-25 flashes per second
- Random strobe effect and pulse strobe effect available
- 0-100% smooth linear LED dimmer
- Amazing visual effect by pro control
- 10 Internal program available
- Default pixel macros effect for easy performance
- 15/17 DMX Channels USITT DMX-512
- DMX512, master-slave and sound activated controllable or auto operation
- High definition blue LCD display
- Efficient low noise fan cooling system
- Constant temperature readout and management function
- POWERCON IN/OUT
- 3-pin XLR connectors IN/OUT
- DB rating@1M=54.18dB
- IP20 protection rating
- -35°C to 45°C ambient temperature
- Two sides handles for transportation
- 1 Specific hanging system
- 1x Safety attachment point

#### Specifications

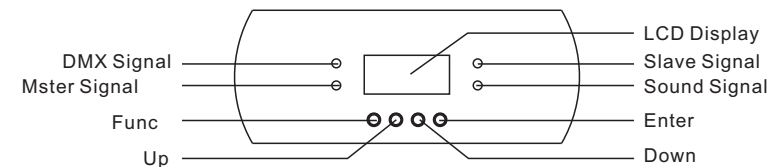
Input Voltage:	AC90-260V 50/60Hz
LED Quantities:	1*60W OSRAM LE RTDUW S2WP 4-in-1 LED
Control Signal:	DMX512, master-slave and sound activated or auto operation
Control Channel:	15/17 DMX Channels USITT DMX-512
Power Consumption:	130W
Dimensions:	221(D)*155(W)*290(H)mm
Packing Dimensions:	550(D)*800(W)*320(H)mm
Net Weight:	5.06kg
Gross Weight:	6.36kg

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

MENU	DmxAddr	Address	001-512	DMX address setting
	WorkMod		Dmx512	DMX 512 mode
			Auto	Auto mode
			Sound	Sound mode
	ChanMod		15CH	15CH mode
			17CH	17CH mode
	Tool	Display	ON	Backlight ON
			60S	Backlight OFF in 60s
	PT Sett	SundHig	0-16	Mic sensitivity
			Xrevise	0-255
		Xrevise	0-255	TILT calibration
		Xrevers	YES	PAN reverse ON
			NO	PAN reverse OFF
		Yrevers	YES	TILT reverse ON
			NO	TILT reverse OFF
		Xyfbstin	YES	PAN reset ON
	NO		PAN reset OFF	
	Info	Version	Vx.xx	Software version
		RunTime	0000-9999	Time used
	Rest		YES	Reset ON
NO			Reset OFF	



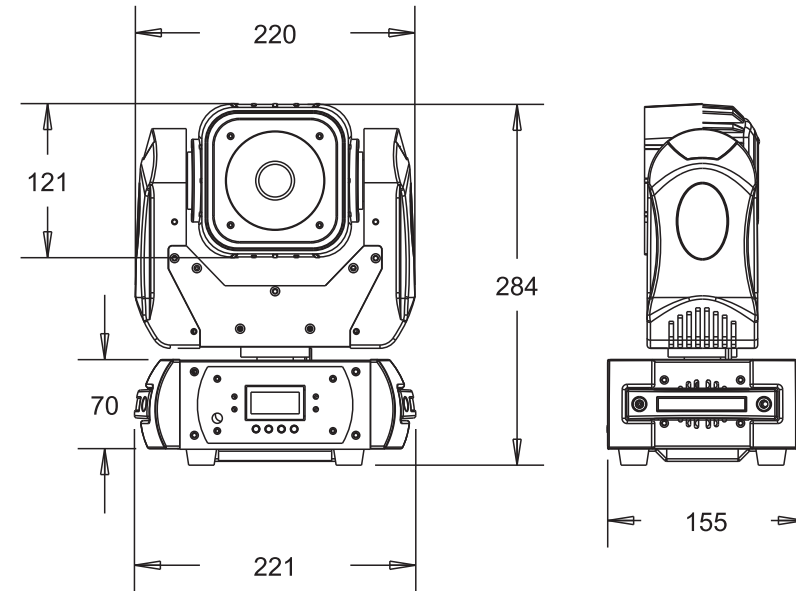
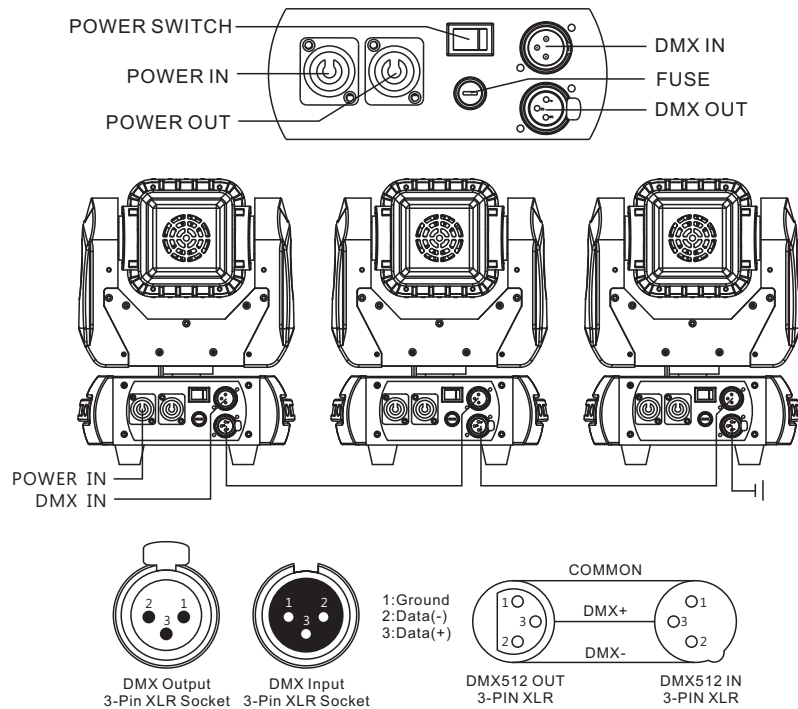
Regardless of the rigging option you choose for your JNR DOT BEAM, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable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

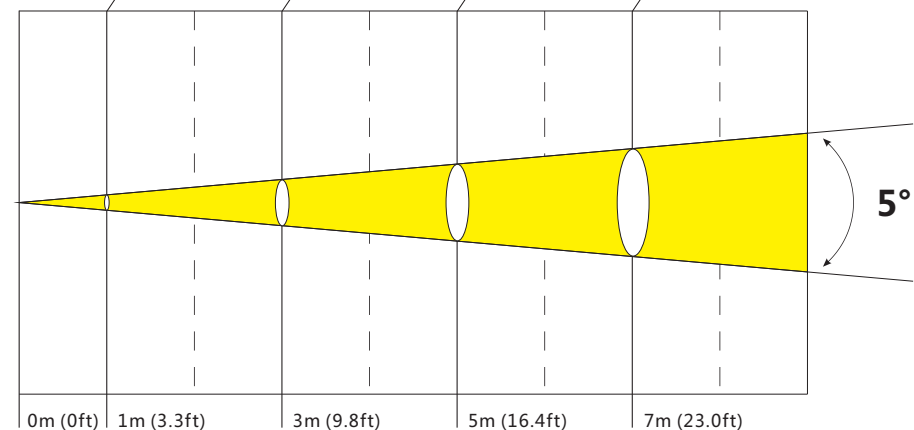


## 4 PHOTOMETRIC DATA

Photometric Beam Angle Data  $5^\circ$  Beam Angle  $LUX \times 0.0929 = FC$

<b>R</b>	1059 / 11400	109 / 1170	36 / 390	20 / 210
<b>G</b>	741 / 7980	87 / 940	27 / 290	14 / 150
<b>B</b>	1479 / 15920	157 / 1690	51 / 550	27 / 290
<b>W</b>	1550 / 16680	165 / 1780	62 / 670	32 / 340
<b>RGBW</b>	4210 / 45320	447 / 4810	150 / 1610	80 / 860

(FC/LUX)



## 5 OPERATION INSTRUCTIONS

- The JNR DOT BEAM 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 DOT BEAM 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.

