DJPOWEK

R-4 Users manaual

Confetti Canon

1. Safety instructions

2. This device is suitable for indoor use (not outdoors) only.
3. Unauthorized modifications will invalidate the warranty.
4. Repairs are to carry out by skilled workers only.
5. Use only fuses of the same type and original parts as spare parts.
   6. To avoid fire and electric shocks protect the unit from rain and humidity.

Be careful with heat and extreme temperature!
Do not place the device in a location where it is exposed to extreme temperatures.
Operate the device only in an ambient temperature between 0°C (32°F) -
40°C (104°F). Do not expose the device to direct sunlight or heat sources.
Keep away from humidity, water and dust!
Avoid placing the device in a location with high humidity or excessive dust. Place no liquids
on or near the system.
Place the device on a firm ground!
To avoid vibrations always place the device on a firm ground.
Do not use chemicals for cleaning!
Use a clean and dry cleaning rag to remove dust. Metal parts can be cleaned with a
damped cleaning rag. Before cleaning always unplug the device from the power supply.
If the device is not working properly!
If problems occur unplug the device from the power supply. The user should not try to service
the device independently. All repairs and service must be performed by a qualified
technician.
Take proper care with the power cord!
Never pull the power cord to disconnect the device from the power supply, but remove the
plug with plug housing in the hand. If you do not use the device for an extended period,
unplug the device from the power supply.

Attention!
Damages caused by the disregard of this user manual are not to subject to warranty. The
dealer will not accept liability for any consequent secondary failures. Only skilled workers are
allowed to carry out the electrical connections. All electrical an mechanical connections
have to be carried out according to the European safety standards.

1.1 Intended use of the device

This device was developed for professional use on stages, in discos, theatres etc. The device is only approved for a connection up to 230V 50/60 Hz alternating current and only for indoor use.

Regular breaks during operation increase the lifetime of your device.

Avoid convulsions or any form of forceful impact during the installation or the startup off he device.

Take care that no cables are lying around. You would endanger your own safety and also the safety of a third party.

It's not allowed to operate or store the device in an environment in which spray water or rain is expected. Humidity or very high atmospheric humidity could reduce the isolation of the device and could cause deathly electric shocks.

If using fog machine you have to ensure that the fog saturation of the room must allow a good visibility of at least 10m.

Operate the device not during thunderstorms. Surge voltages could destroy the device. Unplug the power supply during thunderstorms.

Surrounding objects or surfaces should not be in contact with the device.

Make sure that during the installation and removal of the device the area below the place of installation is basically cordoned off. This also applies to implementation of service.

Make familiar yourself with the functions of the device before start-up. People without the experience should not handle with the device. The most cause of functional disorder is inappropriate handling.

Keep the device away from children and never operate it unattended.

Never aim the nozzle on people and keep a distance from 50cm to the nozzle. Attention! The ejected sparks can be hot.

Keep a minimum distance of 50cm to other objects.

Use only the recommended, high quality granule from your dealer. Other granule may cause damages.

Never aim the nozzle on open fire or flammable objects.

Operate the unit only in a hanging position.

Never use solvents or aggressive detergents for cleaning. Use instead of this a damped cleaning rag.

To prevent damages during transport use for transport the original packing or provided accessories.

For reasons of safety unauthorized changes are forbidden!

A usage of the device which differs from usages which are described in this manual can cause damages of the device. In this case the warranty expires. Additional you should notice that every different usage is related with dangers and can cause e.g. an electrical short, fire, electric shock or crash.

Overhead Installation

Danger to life!

You have to observe the regulations of BGV C1 (formerly VBG 70) and EN60598-2-17! Installation has to be done by skilled personnel only.

The suspension devices have to be build and measured so they can withstand for an hour the tenfold of the payload without suffering a permanent detrimental deformation.

Basically installation has to be made by using a second separate suspension. This can be e.g. a suitable net. The second suspension must be designed and attached so no part of the installation can fall down in case of failure.

During construction, reconstruction and deconstruction unnecessary stay in the range of moving areas, on lightning bridges, under elevated work stations or any other danger zones is forbidden.

The operator is obliged to the following safety-related and mechanical facilities:

- Before the first start-up or after critical changes before restarting it has to be checked by an expert.
- Review in the frame of the inspection test at least all four years by an expert.
- Review by a qualified person at least once a year.

How to carry out the overhead installation:
Ideally the device should be installed outside lounge areas of people.
Important! Overhead installation requires a high level of experience. This includes knowledge of calculating the payload, used installation material and safety inspections of the used material and the projector whereas the required experience is not limited to this. Do not try to carry out installation yourself under any circumstances if you are not qualified. Contact a professional installer. An inappropriate installation can lead injuries and/ or damaged properties.

It is not allowed to install the device in the grip area of people.

If the device may hang from the ceiling or from high beams, the use of truss systems is mandatory. The device may not be installed so it can swing freely in the room.

Please note: Crashing down items can cause serious injuries! Do not install the projector, if you doubt the safety of a possible installation form!

Before installation make sure that the mounting surface has the ability to carry the tenfold point load of the own weight of the device.

Mount the device with the mounting-bracket to your trussing system using appropriate clamp.

During overhead installation the device must be always secured by a safety rope which is designed to hold the twelvefold weight of the device. Only safety ropes with quick-release safety fastener elements may be used. Hang up the safety rope in the hole oft he mounting bracket. Direct the rope over the truss or an appropriate fastening point. Hang up the end in the fastening element and tie up the locking nut. A safety rope once exposed to failing load or damaged may not be used furthermore.

The maximum drop exceed must not exceed 20cm.

Adjust the desired inclination angle via the mounting bracket and tighten the screw.

2. Connections

2.1.1 Electrical connection

Connect the fixture to the mains with the enclosed power cable and plug. The earth must be connected.

Cable (EU)	Cable (US)	Pin	International
Brown	Black	Live	L
Blue	White	Neutral	N
Green/ Yellow	Green	Earth	⊕

2.1.2 DMX connection

Take care to use only protected 3Pin or 5Pin XLR cables.

2.1.3 DMX connection with terminator

Where the DMX cable has to run a long distance or the equipment is operated in an electrically noisy environment like a disco, for installations we recommend using a DMX terminator. This prevents corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR connector with a 120 OHM resistor between pins 2 and 3, which is then plugged into the XLR output socket of the last device in the series. Please look to the bottom drawings.

3. Introduction

Thank you for choosing the **R-4**.

We recommend carefully reading of these operating instructions before commissioning the unit. Please follow the instructions in this manual. This is the only way to ensure safe operation, proper use and long service life.

The R-4 is a powerful confetti canon with DMX 512 and 6x 8W RGBA LEDs.
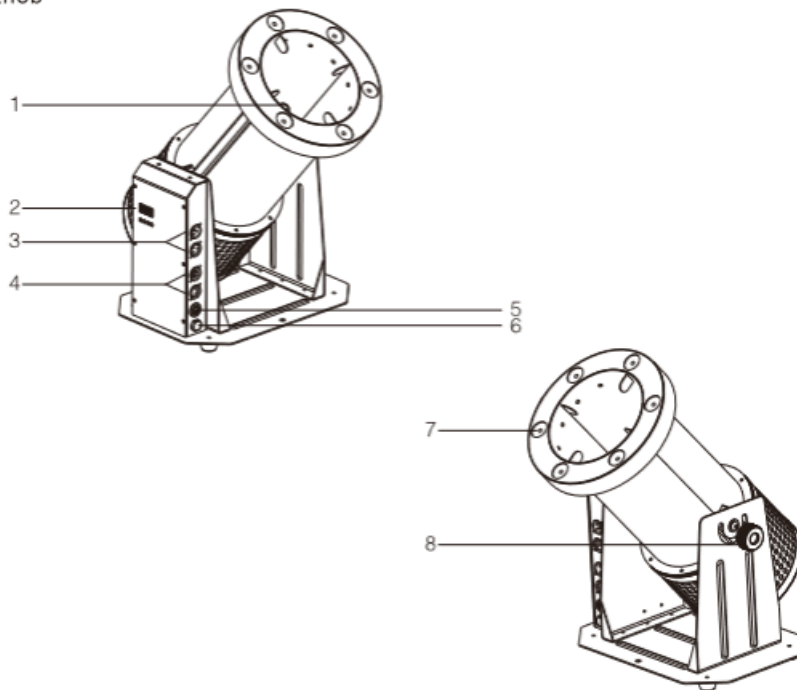
3.1   Features
- DMX 512 & manual control
- 6x 8W RGBA LED
- Support for remote control W-2
- Digital display for easy handling
- Compact housing

3.2   Scope of delivery
- DJ Power R-4
- W2 upgrade remote control
- Power supply cable
- Users manual

3.3　Produktbeschreibung

1. Nozzle
2. Digital display
3. 3-pin DMX socket
4. 5-pin DMX socket
5. Wireless transmitter connector
6. Power connector
7. 6pcs 8w Quad LED
8. Knob

4. USE

ATTENTION!

- Before using the device for the first time, remove all packaging materials.
- After checking that the device is intact and complete, please place it on a flat surface.
- Fill the machine with confetti!
- Connect the device to the mains.
- Connect the device to a DMX controller.
- Turn on the device.
- Set the desired DMX address.

4.1   Control

It is operated via the display, the remote control or via DMX.

4.1.1 Manual control

You can control the machine manually using the "MENU" and "ENTER" buttons. If there is no DMX signal, press "MENU" and "ENTER" at the same time to start the machine manually. To stop the machine, press "MENU" and "ENTER" again at the same time.

4.1.2 Control via DMX

As soon as the machine receives a DMX signal, the machine can be set to the desired DMX address via the display. Use the "UP" or "DOWN" buttons to increase or decrease the DMX value.

4.1.3 Remote control

You can control the machine via the remote control if there is no DMX signal. To do this, press one of the 4 buttons on the remote control. The LEDs on the machine light up in a different colour on each button.

4.1.4 DMX Table

channel 1	Confetti ON/OFF
channel 2	RED
channel 3	GREEN
channel 4	BLUE
channel 5	AMBER
channel 6	COLOR MIX
channel 7	STROBE
channel 8	RANDOM
channel 9	BRIGHTNESS

5. Technical data

model	R-4 confetti machine
tension	AC 220-240V 50/60Hz
fuse	F8A/250V
power consumption	1500W
LED power	48 w
steering	Manual, DMX, remote control
DMX 512	Yes
Maximum ejection height (90°)	5 m
Maximum distance (45°)	5.5m
Maximum coverage	30m2
Maximum ejection time	20s
net weight	10kg
gross weight	11kg
Dimensions machine	340/250/503mm
Dimensions packaging	395/300/555mm

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