FOS CO2 Jet LED DMX

PRODUCT SPECIFICATIONS

The **FOS Co2 Jet LED DMX**, is a DMX controllable device with an electromagnetic valve and input / output connections for high pressure hoses. You can control the output of your Co2 effect via DMX, as well as colorize the blast with 6 basic colors: **Red, Green, Blue, Yellow, Cyan** and **Magenta**. For faster use, there is an included remote control, with four buttons (4 channels), which means that if, for example, you have four **FOS Co2 Jet** devices, you can control them independently. The device can be mounted on the ground and it can be adjusted on its base with an angle of 90 degrees.

High Pressure hose **is not included**. There are available lengths of 2, 4 and 8 meters.

Voltage: 220 Volt AC, 50/60 Hz.

Light Source: 27x 5Watt LEDs (9 Red, 9 Green, 9 Blue)

Control: Auto, Music, DMX

DMX Channels: 7

Protection Class: IP20 (for indoor use only)

Width: 275 mm

Depth: 415 mm

Height: 275 mm

Weight: 8,7 Kg

> *Please not that you should not disconnect the hoses, immediately after use from the device, as this can cause the rubber rings to brake, due to very low temperatures. Wait several minutes, in order the temperature to rise at normal/room levels.*

SAFETY WARNING

This product must be installed by a qualified professional. All maintenance must be carried out by a qualified electrician. A minimum distance of 0.5 m must be maintained between the equipment and a combustible surface. The product must always be operated in a well-ventilated area. DO NOT stare directly into the light source. Always disconnect the power before carrying out any maintenance. The earth must always be connected to the ground. Ensure that all parts of the equipment are kept clean and free of dust.

PROTECTION AGAINST SOLIDS AND WATER

Only for IP-rated fixtures

The protection level of a housing is set by applied standards. For classification there is used the IP-Code. It contains the declaration „IP"and two following numbers. The first number characterizes the protection against harmful effects of solids, the second is rating the water protection. It is important to distinguish whether encapsulation and harmful effect! There can be housing that is not capsuled completely but still avoids harmful effect of solids or water.

PROTECTION EXAMPLES:

IP20: Protection against intruding objects >12,5mm „Finger protected "; No waterproofing. **TYPICAL PROTECTION FOR INDOOR USE FIXTURES**

IP33: Protection against intruding objects >2,5mm; Falling water within an angle of 60° has no harmful effect **TYPICAL PROTECTION OF LED-LIGHTS USING RECESSED POWERCON AND DMX SOCKET**. This protection is linked to the mounting position of the fixture and always refers to typical mounting situation like a Floor spot used standing on the ground.

IP54: complete protection against solids and low-pressure water from any side **THIS TYPE OF FIXTURES CAN BE USED UNDER NORMAL OUTDOOR CONDITIONS**.

IP65: shielded against dust and pressurized water from any side. **TYPICAL PROTECTION FOR OUTDOOR RATED EVENTFIXTURES USING WATERPROOFED POWER AND SIGNAL LINK.**

IP67: shielded against dust and protected for accidental briefly submerge. **PROTECTION AGAINST ACCIDENTIAL SUBMERGING ON TEMPORARY FLOODED AREA.**

TEMPORARY USE

Event equipment is designed for temporary use. This are typical purpose as concerts, festivals, theatre, clubs and disco use and referable venues. Long-term use, specially under outdoor conditions and fixed outdoor installation can bring damage in aging materials and affect the coated surface. Sealings as well as cables are made from rubber material and will age by long-term UV-emission as sunlight and should be checked frequently.

LIMITATIONS OF IP PROTECTION

IP-Rating doesn´t mean unlimited outdoor use and protection against any kind of environmental influence! Especially sunlight and included UV will bring accelerated aging. Some fixtures need special parts or processes to fit the rated IP-Protection, like mounting covers or caps or similar. Sealings and other plastic or rubber materials are aging parts. They must be checked frequently to ensure the protection and safety of the fixtures. Also specified torque of screws can affect protection!

Installation

Ground: The fixture is designed for ground installation, sitting on its base. The fixture itself can be adjusted on the base with an angle of 90°.

 NOTE! If the signal cable is over 60 m between the DMX512 controller and fixture or between two fixtures, then a DMX signal amplifier is needed as well.

Menu Screen

You can easily navigate through menu's options with the four buttons under the screen. Navigating in the menu is simple! With the Up / Down buttons, you are moving through menu's choices, pressing Enter, you are entering the sub menu of the option you have chosen, with the Up / Down buttons you're moving through the sub menu's options, with Enter, you are confirming your choice. The **Co2 Jet LED DMX** offers the following options:

Addr: Set the DMX address

rENo: Changes the control channel *(CH 1, CH 2, CH 3, CH 4)* for using the device with the remote control.

CoLo: Set which color, among the three basic *(Red, Green, Blue, Yellow, Cyan, Magenta)*, will be activated with remote control use.

Channel Modes

7 Channels

1. **Valve Control**
   - 0 – 10 Off
   - 11 – 255 Valve On
2. **Red:**
   - 0 – 10 Off
   - 11 – 255 Red Color On
3. **Green:**
   - 0 – 10 Off
   - 11 – 255 Green Color On
4. **Blue:**
   - 0 – 10 Off
   - 11 – 255 Blue Color On
5. **Yellow:**
   - 0 – 10 Off
   - 11 – 255 Yellow Color On
6. **Cyan:**
   - 0 – 10 Off
   - 11 – 255 Cyan Color On
7. **Magenta:**
   - 0 – 10 Off
   - 11 – 255 Magenta Color On

Note: Color mixing is not available on this fixture! You can use only one color at the time, so only one color channel must be activated.

Package contents

- Your FOS Co2 Jet LED DMX
- Remote Control

General Information

Replacing a fuse:

Always disconnect the fixture from main power before replacing a fuse. Use only the appropriate fuse, with the same type and rating. A fuse with different rating, can damage the fixture in case of failure.

Risk of electric shock and / or fire:

The fixture must be earthed, supplied always with its nominal voltage and cleaned periodically from dust. For cleaning use only, a moist cloth. Never use liquids or force water. After cleaning, let the fixture dry before use.