FOS RGB Fan

PRODUCT SPECIFICATIONS

TECHNICAL SPECIFICATION

Voltage: 110/240 Volt AC, 50/60 Hz.

Power Consumption: 180 Watt.

Light Source: 792x 0,2 Watt RGB SMD 5050 LEDs.

Effects: LEDs are separated on to two groups (3 & 3 fan blades) for independent control. RGB color mixing, color macros / chases, rotation of the fan in both directions, with index function.

Control: DMX, Auto, Sound.

DMX Channels: 4, 8 & 11.

Protection Class: IP20 (for indoor use only)

Width: 700 mm

Depth: 850 mm

Height: 700 mm

Weight: 11 Kg

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

Hanging: The fixture can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit, a safety cable should also be used.

UPRIGHT: The fixture can be mounted in an upright or sitting position using the supporting brackets.

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 **FOS RGB Fan** offers the following options:

<u>**ADDR:**</u> set the DMX address from **A001** to **A512**

<u>**CHAN:**</u> select the control channel mode, **4**, **8** or **11**.

Auto:

    Soud: Activates the sound mode.

    FAdE: Select the color fade speed from 0 to 50.

    ChCL: Select the color step change speed from 0 to 50.

    Stro: Select the strobe speed from 0 to 50.

    FACh: Select the macro speed from 0 to 50.

Colo:

    rEd: Adjust the RED dimmer from 0 to 255.

    GrEE: Adjust the GREEN dimmer from 0 to 255.

    bLuE: Adjust the BLUE dimmer from 0 to 255.

    Noto: Adjust the position or the rotation direction and speed of the motor.

    Stro: Adjust the strobe speed from 0 to 255.

NorS: Select the Master (nASt) or Slave (SALu) option.

SEnS: Adjust the microphone sensitivity.

Led: Set the LED display to stay ON or OFF after use.

DISP: Reverse the LED menu display.

tESt: Activate the test mode.

BALA: Adjust the White Balance of the LEDs.

Temp: Shows the fixtures temperature.

Stem: Set the fan startup temperature.

Ver: Shows the firmware version.

Channel Modes

4 Channels

1. **Red:** 0 – 255 Red linear dimming.
2. **Green:** 0 – 255 Green linear dimming.

3. **Blue:** 0 – 255 Blue linear dimming.
4. **Rotation:**
    - **0 – 127** Rotation indexing.
    - **128 – 191** CW rotation from fast to slow.
    - **192 – 255** CCW rotation from slow to fast.

8 Channels

1. **Dimmer:** Master dimmer from 0 to 100%.
2. **Shutter:**
    - **0 – 15** Shutter Open.
    - **16 – 255** Gradual strobe from slow to fast.
3. **Macros:**
    - **0 – 15:** Macros off.
    - **16 – 71:** Color macro 1.
    - **72 – 127:** Color macro 2.
    - **128 – 183:** Color macro 3.
    - **184 – 239:** Color macro 4.
    - **240 – 255:** Sound active.
4. **Macros Speed**
5. **Red**
6. **Green**
7. **Blue**
8. **Rotation:**
    - **0 – 127:** Rotation Index.
    - **128 – 191: CW** rotation from fast to slow.
    - **192 – 255: CCW** rotation from slow to fast.

11 Channels

1. **Master Dimmer:** linear dimming from 0 to 100%
2. **Strobe:**
    - **0 – 15:** Shutter Open
    - **16 – 255:** Strobe from slow to fast.
3. **Macros:**
    - **0 – 15:** Macros off.
    - **16 – 71:** Color macro 1.
    - **72 – 127:** Color macro 2.

- **128 – 183:** Color macro 3.
- **184 – 239:** Color macro 4.
- **240 – 255:** Sound active.
4. **Macro Speed**
5. **Red**
6. **Green**
7. **Blue**
8. **Red**
9. **Green**
10. **Blue**
11. **Rotation:**
    - **0 – 127:** Rotation Index.
    - **128 – 191:** CW rotation from fast to slow.
    - **192 – 255:** CCW rotation from slow to fast.

*** Led section A*

*** Led section B*

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.

- ✓ The product is for indoor use only.
- ✓ Always turn off, unplug power and allow fixture to cool before servicing.
- ✓ Ensure that fixture is properly grounded.
- ✓ Please keep this User Guide for future consultation.
- ✓ Always make sure that you are connecting to the proper voltage and it's not higher than that stated on rear panel of the fixture.
- ✓ Be sure that no ventilation slots on the product's housing are blocked.
- ✓ Always disconnect from power before servicing or replacing fuse.
- ✓ Make sure power cord is never crimped or damaged.