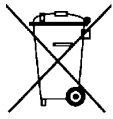# FOS LED Pixel Strip

USER MANUAL

1. Introduction

Important environmental information about this product

This symbol on the device or the package indicates that disposal of the device after its lifecycle could harm the environment. Do not dispose of the unit (or batteries) as unsorted municipal waste; it should be taken to a specialized company for recycling. This device should be returned to your distributor or to a local recycling service. Respect the local environmental rules.

If in doubt, contact your local waste disposal authorities.

Thank you for choosing this product! Please read the manual thoroughly before bringing this device into service. If the device was damaged in transit, don't install or use it and contact your dealer.

2. Safety Instructions

⚠	Keep this device away from children and unauthorized users.
	Controller Box Indoor use only. Keep this device controller away from rain, moisture, splashing and dripping liquids. Never put objects filled with liquids on top of or close to the device.
⚡	**Risk of electroshock** when opening the cover. Touching live wires can cause life-threatening electroshock. Do not disassemble or open the housing yourself. Have the device repaired by qualified personnel.
⚠	There are no user-serviceable parts inside the device. Refer to an authorized dealer for service and/or spare parts.
☀	**Do not stare directly at the light source**, as this may cause epileptic seizure in sensitive people temporarily loss of sight (flash blindness) permanent (irreversible) eye damage.
⚠	Have the device installed/repaired by a qualified person.

3. General Guidelines

Refer to the Service and Quality Warranty

	Keep this device away from dust and extreme temperatures. Make sure the ventilation openings are clear at all times. For sufficient air circulation, leave at least 1" (± 2.5 cm) in front of the openings.
	Protect this device from shocks and abuse. Avoid brute force when operating the device.

- Familiarize yourself with the functions of the device before actually using it.

- All modifications of the device are forbidden for safety reasons. Damage caused by user modifications to the device is not covered by the warranty.

- Only use the device for its intended purpose. Using the device in an unauthorized way will

void the warranty.

●   Damage caused by disregard of certain guidelines in this manual is not covered by the warranty and the dealer will not accept responsibility for any ensuing defects or problems.

●   Due to constant product improvements, the actual product appearance might differ from the shown images.

●   Product image

●   Keep this manual for Features are for illustrative purposes only.

●   Do not switch the device on immediately after it has been exposed to changes in temperature. Protect the device against damage by leaving it switched off until it has reached room temperature.

●   reference.

4. Overview

4.1   Product Overview -TECHNICAL SPECIFICATIONS

4.2 SETUP

AC Power

The pixel controller has an auto-ranging power supply and it can work with an input voltage range of 96 to 264 VAC, 50/60 Hz. To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under
normal conditions.

⚠   • **Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
   • **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**

ⓘ   **Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.**

Mounting

Controller

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

The pixel controller may be mounted in any position; however, make sure adequate ventilation is provided around the product.

Rigging

- Make sure that the structure onto which you are mounting the product can support the product's weight. See the Technical Specifications for weight information.
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power linking cables to reach.

4.3 Control Panel

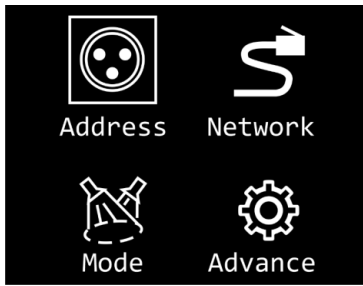Access the control panel functions using the four panel buttons located around the display:

Button	Function
MENU	• access the menu • return to a previous menu option
ENTER	• select menu option • store the current menu or option within the menu
UP	• scroll through the menu options in ascending order • increase value
DOWN	• scroll through the menu options in descending order • decrease value

The main function

To select a function, press the **MENU** button. Press **UP/DOWN** to select the desired function. Press the **ENTER** button to confirm. Select again for the next function, press the MENU button and press **UP/DOWN** to select the desired function.
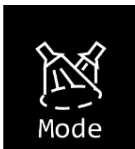
4.4 Start-Up

When you press the **MENU** button, the display will show its main menu:

   DMX Address

   Manual IP / DHCP Get IP

   Working Mode

   Setting

4.4.1DMX Address

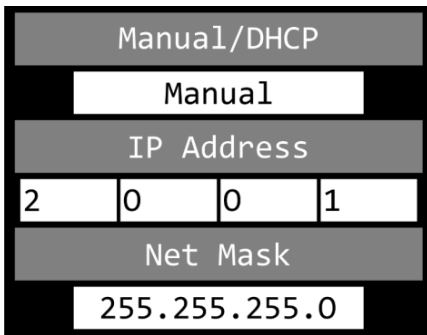In this menu you can set the DMX starting address of the device.

》While in main menu, press the **UP/DOWN** buttons to select .
》Press the **ENTER** button to confirm and open this menu.
》Press the **UP/DOWN** buttons to select the DMX starting address. The selection range is
001–512.
》Press the **ENTER** button to confirm the selection.

4.4.2Network Settings

In this menu you can set the network settings.

1)While in main menu, press the **UP/DOWN** buttons to select .

2)Press the **ENTER** button to confirm. The display will show:

Manual/DHCP			
Manual			
IP Address			
2	0	0	1
Net Mask			
255.255.255.0			

4.4.2.1 Set Manual/DHCP

1)Press the **UP/DOWN** buttons to select MANUAL/DHCP.
2)Press the **ENTER** button to open the menu.
3)Press the **UP/DOWN** buttons to select one the two options:
* Manual: Enter a desired IP address and net mask.
* DHCP: the device will receive its network settings from a DHCP server. **If you choose this option, you will not be able to adjust any settings in this menu.**
4)Press the **ENTER** button to confirm your choice.

4.4.2.2 Set IP Address

1)Press the **UP/DOWN** buttons to select IP ADDRESS.
2)Press the **ENTER** button to open the menu.
3)Press the **UP/DOWN** buttons to adjust the 1st section of the IP address.
4)Press the **ENTER** button to save changes.
5)Press the **UP/DOWN** buttons to select the 2nd section of the IP address.
6)Press the **ENTER** button to open the menu.
7)Press the **UP/DOWN** buttons to adjust the 2nd section of the IP address.
8)Press the **ENTER** button to save changes.
9)Repeat the process to adjust the remaining 2 sections of the IP address.

4.4.2.3 Set Net Mask

1)Press the **UP/DOWN** buttons to select NET MASK.
2)Press the **ENTER** button to open the menu.
3)Press the **UP/DOWN** buttons to select one of the 3 net mask options:
- 255.0.0.0
- 255.255.0.0
- 255.255.255.0
4) Press the **ENTER** button to confirm your choice

4.4.3 Control Modes
1.While in main menu, press the **UP/DOWN** buttons to select
2.Press the **ENTER** button to open the menu. The display will show:8modes

1)DMX

In this menu you can set the desired DMX channel mode.
When the display shows DMX, press the **ENTER** button to open the menu.

Press the UP/DOWN buttons to select one of the available channel modes
Channel 5 / Channel 14 / Channel Group009-340

Note: It does not automatically detect whether DMX data signal is received or not. Activate DMX control.

2)Arnet

In this menu you can set the Art-Net settings.
Channel 5 / Channel 13 / Channel 4080 /Channel Group009-340

- Press the UP/DOWN buttons to select UNIVERSE and press the ENTER button to confirm.
- Press the UP/DOWN buttons to set the universe.
- The adjustment range is 0–255.
- Press the ENTER button to save changes.
- Press the UP/DOWN buttons to select the channel mode selection field and press the ENTER button to confirm.
- Press the UP/DOWN buttons to select one of the available channel modes (depending on what device was chosen)
- Press the ENTER button to confirm your choice.
  Note: It does not automatically detect whether Art-Net data signal is received or not. Activate Art-Net control.

3)Klingnet

In this menu you can activate the Kling-Net settings.
- Press the **UP/DOWN** buttons to select OFF or ON.
- If you choose ENABLE, Kling-Net protocol will be active.
- Press the **ENTER** button to confirm your choice.

Note: It does not automatically detect whether Kling-Net data signal is received or not.Activate Kling-Net control.

4)Slave

In this menu you can set the device as a slave.

- Press the UP/DOWN buttons to select OFF or ON. If you choose ON, the device will react the same as the master device.

- Press the ENTER button to confirm your choice.

5)Auto

In this menu you can run the desired built-in programs.

a)Press the **UP/DOWN** buttons to select PROGRAM and press the **ENTER** button to confirm.
b)Press the **UP/DOWN** buttons to select one of the 74 built-in programs.
c)Press the **ENTER** button to confirm your choice.
d)Press the **UP/DOWN** buttons to select SPEED and press the **ENTER** button to confirm.
e)Press the **UP/DOWN** buttons to set the program speed. The adjustment range is 0–25, from slow to fast.Note that 0 it is stop
f)Press the **ENTER** button to save changes.

6) Manual

In this menu you can run Manual mode.

a)Press the **UP/DOWN** buttons to select one of the 5 options:

》Dimmer ：(0–255, from dark to brightest)

》Strobe：STROBE: Strobe frequency (0–4, strobe OFF; 5–255, from low to high frequency
》Red：Red color brightness (0–255, from dark to brightest)
》Green : Green color brightness (0–255, from dark to brightest)
》Blue：Blue color brightness (0–255, from dark to brightest)
b）Press the **ENTER** button to open the desired menu.
c）Press the **UP/DOWN** buttons to adjust the values.

d）Press the **ENTER** button to save changes.

In this menu you can run DMX+Artnet mode.
press the **UP/DOWN** buttons to select this mode and press the **ENTER** button to confirm. Means that DMX can switch to Artnet directly

In this menu you can run DMX+Klingnet mode.
press the **UP/DOWN** buttons to select this mode and press the **ENTER** button to confirm. Means that DMX can switch to Klingnet directly

4.4.4 Advance

1）While in main menu, press the **UP/DOWN** buttons to select .
2）Press the **ENTER** button to open the menu. The display will show:
3）Press the UP/DOWN buttons to select one of the 5 options:

4.4.4.1 DMX Signal Hold

In this menu you can determine the behavior of the Pixel strobe in case of a DMX failure.
1)Press the ENTER button to open the menu.
2)Press the UP/DOWN buttons to select one of the 2 options:

>OFF: If DMX signal is lost, the device will black its output out.
>ON: If DMX signal is lost, the device will use the last successfully received DMX signal and will continue using it until DMX signal reception is restored, to ensure undisputed performance.
3)Press the ENTER button to confirm your choice.

4.4.4.2 Slave Signal Hold

In this menu you can determine the behavior of the Pixel strobe in case of a device as a slave signal failure.
1)Press the ENTER button to open the menu.
2)Press the UP/DOWN buttons to select one of the 2 options:

>OFF: If slave signal is lost, the device will black its output out.
>ON: If slave signal is lost, the device will use the last successfully received   device as a slave signal and will continue using it until device as a slave signal reception is restored, to ensure undisputed performance.
3)Press the ENTER button to confirm your choice.

4.4.4.3 RDM Switch

1)Press the ENTER button to open the menu.
2)Press the UP/DOWN buttons to select one of the 2 options: OFF / ON
3)Press the ENTER button to confirm your choice.

4.4.4.4 Screen Timeout

In this menu you can set the amount of time after which the display will turn off, when no button is pressed.

1)Press the **UP/DOWN** buttons to select one of the 2 options: 30 seconds/NEVER.
2)Press the **ENTER** button to confirm your choice.
4.4.4.5 Screen Brightness

In this menu you can set the screen brightness.

1)Press the **UP/DOWN** buttons to select one of the 4 options: 25/50/75/100 %, from dark to brightest.
2)Press the **ENTER** button to confirm your choice.

4.4.4.6 Squential

010-040

4.4.5 Reverse

In this menu you can set the display reverse or not .

1)Press the **UP/DOWN** buttons to select one of the 2 options: Yes or No
2)Press the **ENTER** button to confirm your choice.

4.4.5 Reset
In this menu you can restore the default factory settings.

Press the UP/DOWN buttons to select one of the 2 options:
> Yes: Restore the default factory settings.
> No: Keep the current settings

4.4.6 English / Chinese
In this menu you can set the display in English or Chinese
Press the **ENTER** button to confirm your choice.

4.4.7 About
 It shows the verison and Date of device

5. Cleaning and Maintenance

- All screws should be tightened and free of corrosion.
- The housing, the lenses, the mounting supports and the installation location (e.g. ceiling, suspension, trussing) should not be deformed, modified or tampered with; e.g. do not drill extra holes in mounting supports, do not change the location of the connections…
- Mechanically moving parts must not show any signs of wear and tear.
- The electric power supply cables must not show any damage. Have a qualified technician maintain the device.
- Disconnect the device from the mains prior to maintenance activities. Let the device cool down.
- Wipe the device regularly with a moist, lint-free cloth. Do not use alcohol or solvents.
- Do not immerse the device in any liquid.
- There are no user-serviceable parts.
- Contact your dealer for spare parts if necessary.

6. Technical Specifications

Pixel point/Pitch	300 pixel /12MM
Standard	5 meters
Light Source	300 SMD LED, RGB tri-colored
Power	90W
Material	PC
IP Rate	65
Beam Angle	120 degrees
DMX Channels	Channel 5 / Channel 14 / Channel Group009-340
Art-net Channels	Channel 5 / Channel 13 / Channel 4080 /Channel Group009-340
Cover Color	Clear//Black
control mode	Auto-run, DMX 512, Art-net, Klingnet, Master-slave
Controller Box	Controllable 1200 Pixel LEDs, if you use 4 outputs that, one output can control 5meter pcs pixel strip, 300 pixel LEDs

If you need connect longer, it supports to use extension cables 5 meter

Extension cable overview

Should you have further questions, please contact your dealer.

Please note: All information is subject to change without prior notice.