User Manual

ORION Cyclops   **[ORFX3]**

INTRODUCTION

Compact and suitable for a wide variety of entertainment venues, The Orion ORFX3 'Cyclops' is the ideal standalone multi-effect light.

**Please read the instructions carefully and before use.**

Main features:
- DMX 512 protocol, 6 DMX channels
- DMX, Automatic, Sound Active, and Master/Slave modes of operation
- Built-in Auto programs
- Built-in Sound Active programs

SAFETY INFORMATION

- For indoor use only.
- Store in a dry, well-ventilated place.
- Connect the light to a grounded A/C power source.
- Do not operate in an environment above $40^0\mathrm{C}$
- In case of a damaged fuse, always replace with the same type of fuse.
- Always consult a qualified technician for service and repair.

PANEL REVIEW
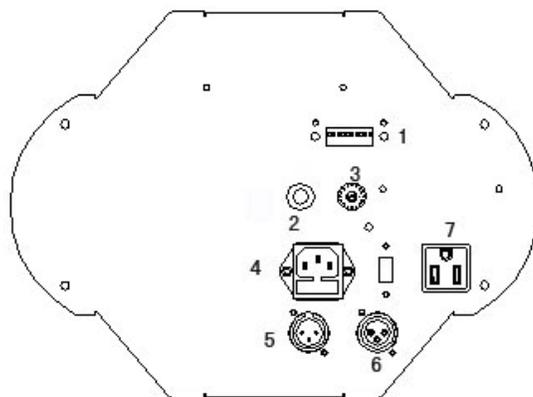
1. Dipswitches
2. Microphone
3. Sound sensitivity knob
4. Power input
5. DMX in
6. DMX out
7. Power output

INSTALLATION

Overhead mounting

- Verify that the structure can support at least 10 times the weight of all installed fixtures, clamps, cables, auxiliary equipment, and other attached items.
- If hanging the fixture with a rigging clamp, verify that the clamp is undamaged and Is able to support the fixture's weight.
- Loosen the swivel locks, tilt the fixture to the desired angle, and retighten.
- Verify the fixture is at least 1 metre from the surface to be illuminated and at least 0.3m away from any combustible materials.
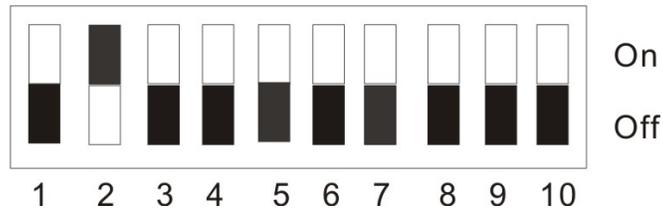
Multi-connectors methods

Controller/Master   Light 1   Light2   …   Light…n

Input/Output Pins

Pin1=Gnd
Pin2=Dmx−
Pin3=Dmx+
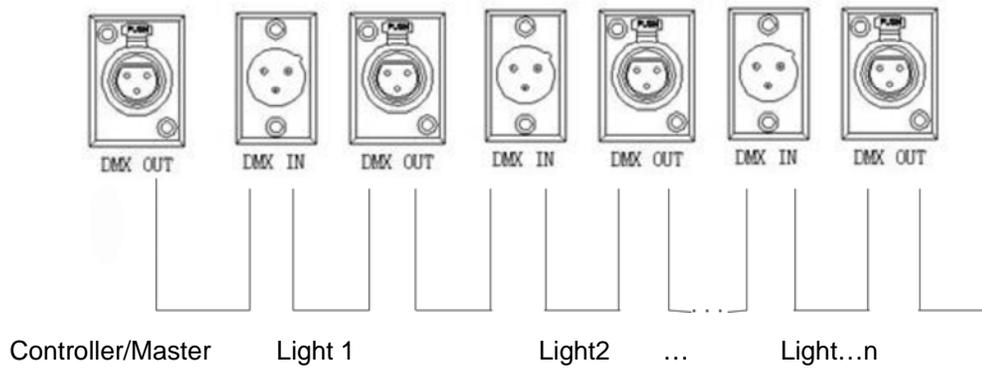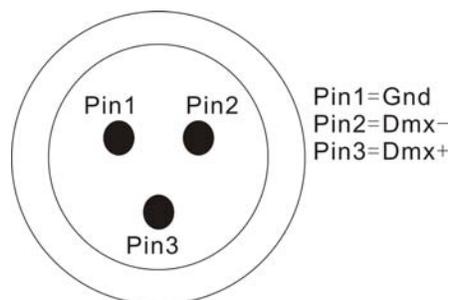
OPERATION

Switch on/off configuration

Switch 1 is off, Switch 2 is on.

Basic Functions

Switches / Function		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
D M X		Set DMX address									ON
S L A V E		x	x	x	x	x	x	x	x	x	ON
M A S T E R	SOUND	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	AUTO	Auto speed				OFF	OFF	OFF	OFF	ON	OFF
	STROBE	x	x	x	x	Strobe speed		OFF	ON	OFF
	ALL ON	x	x	x	x	x	x	x	ON	ON	OFF

X means switch setting has no effect.

DMX mode

Setting DMX mode

On

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Off

Calculate DMX address

1 2 4 8 16 32 64 128 512

On

Off

1 2 3 4 5 6 7 8 9 10
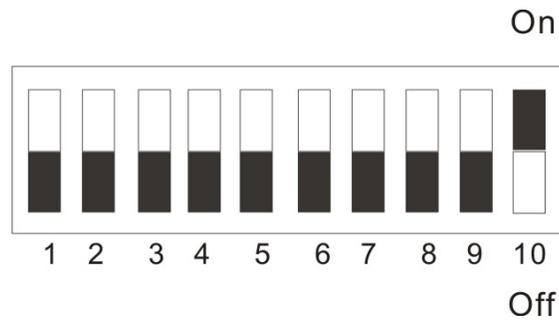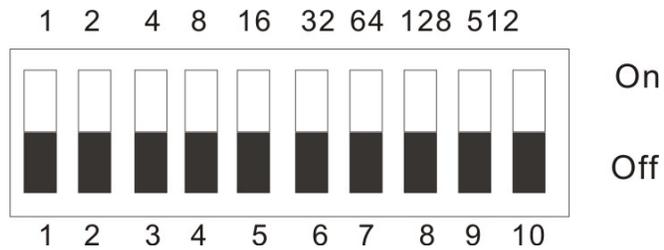
1. The DMX address is set by switches 1~9.
2. When switch10 is ON, it is DMX mode, otherwise it is in MASTER /SLAVE mode.

Example: if switches #2 and #3 are on, and the rest are off, the DMX address is 6. (0+2+4+0+0+0+0+0+0 = 6)

DMX functions

- When a DMX signal is present, the blue LED will flash.
- Each lighting fixture uses 6 DMX channels.
- DMX512 signals can control different functions on multiple units at the same time.
- Setting fixtures to different DMX addresses allows each to be controlled individually.

SRL-6062 DMX Channel control

|		
CH1 Mode	0 ← → 24 25 ← → 49 50 ← → 74 75 ← → 99 100 ← → 124 125 ← → 149 Dimmer mode Auto 1 Auto 2 Auto 3 Auto 4 Auto 5 150 ← → 174 175 ← → 199 200 ← → 224 225 ← → 249 250 ← → 255 Auto 6 Auto 7 Auto 8 Auto 9 Sound mode	
CH2 Red (Dimmer mode)	White ← → Full	
CH3 Green (Dimmer mode)	White ← → Full	
CH4 Blue (Dimmer mode)	White ← → Full	
CH5 Auto/strobe Speed	Slow 0 ← Auto speed (auto mode) → Fast 255 Strobe speed (dimmer mode)	
CH6 Total Brightness (Dimmer mode)	0 ← → 255 Bright — Dark	

| Channel	Value	Function	
1	000 ⇔ 024	Mode	Dimmer mode
	025 ⇔ 049		Auto 1
	050 ⇔ 074		Auto 2
	075 ⇔ 099		Auto 3
	100 ⇔ 124		Auto 4
	125 ⇔ 149		Auto 5
	150 ⇔ 174		Auto 6
	175 ⇔ 199		Auto 7
	200 ⇔ 224		Auto 8
	225 ⇔ 249		Auto 9
	250 ⇔ 255		Sound mode
2	000 ⇔ 255	Red	Brightness 0 ~100% in dimmer mode
3	000 ⇔ 255	Green	Brightness 0 ~100% in dimmer mode
4	000 ⇔ 255	Blue	Brightness 0 ~100% in dimmer mode
5	000 ⇔ 255	Speed	Auto speed in auto mode
			Strobe speed in dimmer mode
6	000 ⇔ 255	Total	Brightness 100%~0 in dimmer mode

MASTER /SLAVE mode introduction

Example:

The fixture is connected to a controller and daisy chained to other DMX fixtures.
Set the fixture to Master, and the others to Slave.

Sound active mode
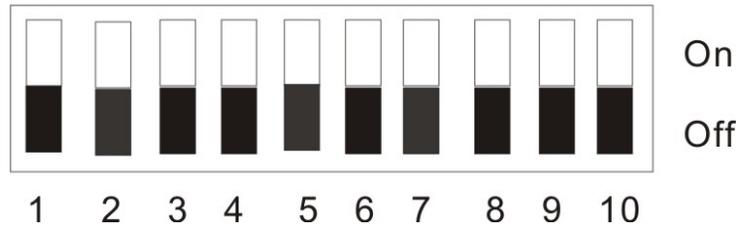
Auto mode
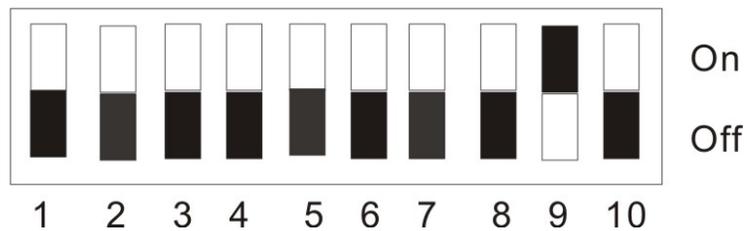
Adjust auto speed with switches #1~4; switches #5~8 should be off.

Auto mode speed

Switch1	Switch2	Switch3	Switch4	Auto speed
OFF	OFF	OFF	OFF	No speed
ON	OFF	OFF	OFF	Slow
×	ON	OFF	OFF	Middle
×	×	ON	OFF	Fast
×	×	×	ON	Very fast

X means switch setting has no effect.

Strobe mode
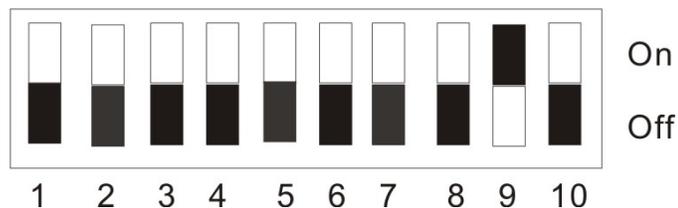
Adjust strobe speed with switches #5~7 (see the following chart).

Strobe speed adjustment

Switch5	Switch6	Switch7	Strobe speed
OFF	OFF	OFF	No speed
ON	OFF	OFF	Slow
×	ON	OFF	Middle
×	×	ON	Fast

X means switch setting has no effect.

All ON
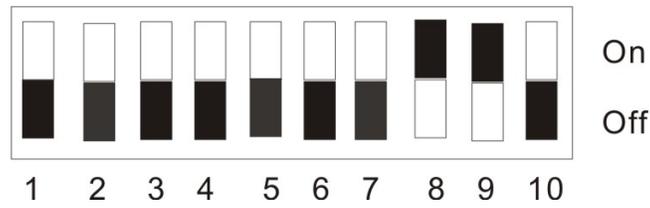
SLAVE mode   (Slave synchronization to Master)
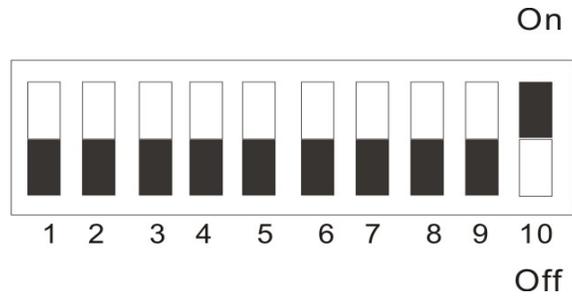
Note: Settings for switches #1~9 have no effect.

Troubleshooting

Problem	Probable cause(s)	Suggested remedy
Fixtures does not work	No power source	Check if power source is on and power cord is connected
	Fuse is burnt out	Disconnect power and change the same type fuse. If fuse was burnt on end, it may be the problem of line connection
The fixture is powered on but does not respond to DMX controller data	No DMX data signal connection	Check the data line. Ensure that the first fixture's DMX input is connected to the controller output
	Improperly set DMX address	Check DMX address DIP switch settings
	XLR cord is broken or malfunctioning	Test fixtures one by one for proper signal connection.

Cleaning

Product quality is our top priority.　For best performance, periodically check and maintain the fixture.　Make sure to keep the fan and vent clean. Accumulated dust can interfere with proper cooling.

TECHNICAL SPECIFICATIONS

Dimensions--320mmL x 356mmW x 305mmH
LED color & number--red 280, green 36, blue 126
Beam angle---45°
DMX-input--3 pin XLR male socket
DMX-output---3 pin XLR female socket
DMX pin configuration---pin1 (shield), pin2 (-), pin3 (+)
Protocols--DMX 512 USITT
DMX channels---6
Operating temperature-- <35 deg. C.
Operating voltage--120v 60HZ/230V 50HZ
Fuse---2A ,125V /1A, 250V
Power---25W
Weight--7.5kg