FX-fly RGB & Pixel Network

Kinetic Systems
User manual

FX LIGHTING
FX-LIGHTING.COM

NOTICE:

1.Installation of LED lift color ball must provide enough safety distance and operational distance.

2.Before using must keep equipment dry.

3.Running without hanging any light-emitting equipment is strictly prohibited.

4.After installation, don't lift the LED ball up with your hand any time.

5.If winch cable is stuck must stop motor operating immediately, then open cover to handle or contact salesperson to help fix.

6.Whenever hanging or changing lights, must keep power off.

KEEP THIS MANUAL FOR FUTURE NEEDS

CONTENTS

1.Overview

Thanks for buying our products! Projector unpacking, check whether there is a result of the damage caused by using this lamp, as soon as possible, contact your dealer or manufacturer.

This product meets the following criteria:

GB7000.1-120007/IEC60598-1:2013

GB7000.217-2008/IEC60598-2-17:1984+A2:1990
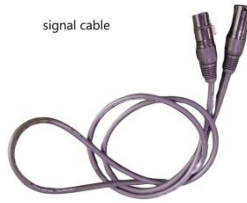
2.Safety guidelines ⚠

☞ Important Notice

All equipments' installation and maintenance must done by professional technical personnel, and strictly follow the instructions to operate and maintain.

The manufacturer shall not be held liable for any failure to manual normal operation use and responsible for unauthorized allowed to modify the device caused any accidents and loss.

3.Basic configurations

signal cable

※The following spare parts are not included. if you need,please contact distributor to purchase them:

connect cable

safety cable

Clamp

4.Installation instruction

Sufficient safety distance must be considered in

Sufficient lifting distance must be considered. Otherwise, the ball may heat the ground or may cause unexpected touches.

Step 1：Installation of lifting machine and clamp

Step 2：Installation of lifting machine and truss

Step 3：Installation of lifting machine and LED color ball

5.Operating requirement

Wire wrapped in the lifting machine when the product out of factory we must hang on the color ball when power on starting lifting machine without hanging LED color ball s strictly prohibited because there is failure when draught line wrapped in the lifting machine without gravity!

Step 1

Start power switch of lifting machine. (Start power switch while performing self-checking and resetting.)

Step 2

Insert DMX signal debug and perform reset uniformly

Step 3

Height of all color ball should be same by executing unified reset, make sure LED lift color ball can work normally after ensure all rest normally.

6.Menu illustration (LCD Display)

Main Menu	Value	Description
DMX address	Value[001~512]	Adjust DMX address
Reset	Motor/Factory	system reset/restore default
Information	Version/Working Time/Master Date/Access Time	Enter "Access Time" long press 9999 can set master-slave mode
Manual	CH01~CH83	Hand adjust the DMX channel value
Current gain	Dim[15~00]	Adjust current
Run Mode	Pixel 1809/RGB/Pixel 16813PH/Pixel 16813	Choose RGB or Pixel
DMX Fail	Clear/Hold	Clear or hold data when no DMX signal
DMX mode	5/6/9/10CH	When you choose RGB mode
	9/74/75/82/83CH	When you choose Pixel mode
Mode	DMX512/Automatism	DMX mode/Auto mode
Length mode	Long/Short	Short mode is half of long mode
Stroke Type	Percent/Meter	Choose Percent or Meter mode
Total stroke	Val[06~00]m	Adjust stroke

(One-click set master-slave mode: 1.Pull console signal out.

2.Long press 9999 to confirm sending data)

7.RGB channel:

5CH:

DMX Channel	DMX Value	Specification
1. Motor(8 bit)	0-255	Lifting from top to bottom with 8 bit
2. Motor speed	0-255	Speed from fast to slow
3. Red	0-255	Red from dark to bright
4. Green	0-255	Green from dark to bright
5. Blue	0-255	Blue from dark to bright

6CH:

DMX Channel	DMX Value	Specification
1. Motor(8 bit)	0-255	Lifting from top to bottom with 8 bit
2. Motor(16 bit)	0-255	Lifting from top to bottom with 16 bit
3. Motor speed	0-255	Speed from fast to slow
4. Red	0-255	Red from dark to bright
5. Green	0-255	Green from dark to bright
6. Blue	0-255	Blue from dark to bright

9CH:

DMX Channel	DMX Value	Specification
1.Motor(8 bit)	0-255	Lifting from top to bottom with 8 bit
2.Motor speed	0-255	Speed from fast to slow
3.Dimmer	0-255	Master dimmer
4.Strobe	0-3	Open
	4-44	Strobe from slow to fast
	45-65	Random strobe from slow to fast
	66-106	Pulse strobe from slow to fast
	107-127	Random Pulse strobe from slow to fast
	128-168	Fade-in strobe from slow to fast
	169-189	Random fade-in strobe from slow to fast
	190-230	Fade-out strobe from slow to fast
	231-251	Random fade-out strobe from slow to fast
	252-255	Close
5.Red	0-255	Red from dark to bright
6.Green	0-255	Green from dark to bright
7.Blue	0-255	Blue from dark to bright
8.Color Macro	0-49	No function
	50-94	Eight color step at 9 speeds
	95-99	No function
	100-149	Eight color fade at 5 speeds
	150-154	No function
	155-166	Red+Green from dark to bright
	167-178	Green+Red from bright to dark
	179-190	Green+Blue from dark to bright

	191-202	Blue+Green from bright to dark
	203-214	Blue+Red from dark to bright
	215-226	Red+Blue from bright to dark
	227-238	RGB from dark to bright
	239-250	Blue+Red from dark to bright & Green from bright to dark
	251-255	Output 100% at the same time
9.Control	0-245	No function
	246-250	Stay for 4s and the system will start resetting
	251-255	No function

10CH:

DMX Channel	DMX Value	Specification
1. Motor(8 bit)	0-255	Lifting from top to bottom with 8 bit
2. Motor fine (16 bit)	0-255	Lifting from top to bottom with 16 bit
3. Motor speed	0-255	Speed from fast to slow
4. Dimmer	0-255	Master dimmer
5. Strobe	0-3	Open
	4-44	Strobe from slow to fast
	45-65	Random strobe from slow to fast
	66-106	Pulse strobe from slow to fast
	107-127	Random Pulse strobe from slow to fast
	128-168	Fade-in strobe from slow to fast
	169-189	Random fade-in strobe from slow to fast
	190-230	Fade-out strobe from slow to fast
	231-251	Random fade-out strobe from slow to fast
	252-255	Close
6. Red	0-255	Red from dark to bright
7. Green	0-255	Green from dark to bright
8. Blue	0-255	Blue from dark to bright
9. Color Macro	0-49	No function
	50-94	Eight color step at 9 speeds
	95-99	No function
	100-149	Eight color fade at 5 speeds
	150-154	No function
	155-166	Red+Green from dark to bright
	167-178	Green+Red from bright to dark
	179-190	Green+Blue from dark to bright
	191-202	Blue+Green from bright to dark
	203-214	Blue+Red from dark to bright
	215-226	Red+Blue from bright to dark
	227-238	RGB from dark to bright
	239-250	Blue+Red from dark to bright & Green from bright to dark
	251-255	Output 100% at the same time
10. Control	0-245	No function
	246-250	Stay for 4s and the system will start resetting
	251-255	No function

8.Pixel channel:

9CH:

DMX Channel	DMX Value	Specification
1. Motor&Fine	0-255	Motor movement
2. Motor speed	0-255	Motor speed
3. Dimmer	0-255	Dimming(0~100%)
4. Strobe	0-9	Dimming open
	10-90	Strobe slow to fast
	91-170	Strobe slow to fast
	171-250	Strobe slow to fast
	251-255	Dimming open
5. Red	0-255	All red dimming
6. Green	0-255	All green dimming
7. Blue	0-255	All blue dimming
8. LED Function	0-4	No function
	5-39	Colorful change
	40-255	Colorful effect
9. Function speed	0-255	LED function speed(from fast to slow)

74CH:

DMX Channel	DMX Value	Specification
1.Motor&Fine	0-255	Motor movement
2.Motor speed	0-255	Motor speed
3.Red 1	0-255	Red 1 dimming
4.Green 1	0-255	Green 1 dimming
5.Blue 1	0-255	Blue 1 dimming
......	......	......
......	......	....
72.Red 24	0-255	Red 24 dimming
73.Green 24	0-255	Green 24 dimming
74.Blue 24	0-255	Blue 24 dimming

75CH:

DMX Channel	DMX Value	Specification
1.Motor	0-255	Motor movement
2.Motor Fine	0-255	Motor movement fine
3.Motor speed	0-255	Motor speed
4.Red 1	0-255	Red 1 dimming

5.Green 1	0-255	Green 1 dimming
6.Blue 1	0-255	Blue 1 dimming
......	......	....
......	......	......
73.Red 24	0-255	Red 24 dimming
74.Green 24	0-255	Green 24 dimming
75.Blue 24	0-255	Blue 24 dimming

82CH:

DMX Channel	DMX Value	Specification
1. Motor＆Fine	0-255	Motor movement
2. Motor speed	0-255	Motor speed
3. Dimmer	0-255	Dimming(0~100%)
4. Strobe	0-9	Dimming open
	10-90	strobe slow to fast
	91-170	strobe slow to fast
	171-250	strobe slow to fast
	251-255	Dimming open
5. Red	0-255	All red dimming
6. Green	0-255	All green dimming
7. Blue	0-255	All blue dimming
8. LED function	0-4	No function
	5-39	Colorful change
	40-255	Colorful effect

9. Function speed	0-255	LED function speed(from fast to slow)
10. Motor function and reset	0-127	No function
	128-240	Motor function
	241-245	No function
	246-250	Stay for 4s and the system will start resetting
	251-255	No function
11. Red 1	0-255	Red 1 dimming
12. Green 1	0-255	Green 1 dimming
13. Blue 1	0-255	Blue 1 dimming
......	......	......
......	......	......
80. Red 24	0-255	Red 24 dimming
81. Green 24	0-255	Green 24dimming
82. Blue 24	0-255	Blue 24 dimming

83CH:

DMX Channel	DMX Value	Specification
1. Motor	0-255	Motor movement
2.Motor＆Fine	0-255	Motor movement fine
3.Motor speed	0-255	Motor speed
4. Dimmer	0-255	Dimming(0~100%)
5. Strobe	0-9	Dimming open
	10-90	strobe slow to fast
	91-170	strobe slow to fast
	171-250	strobe slow to fast

	251-255	Dimming open
6. Red	0-255	All red dimming
7. Green	0-255	All green dimming
8. Blue	0-255	All blue dimming
9. LED function	0-4	No function
	5-39	Colorful change
	40-255	Colorful effect
10. Function speed	0-255	LED function speed (from fast to slow)
11. Motor function and reset	0-127	No function
	128-240	Motor function
	241-245	No function
	246-250	Stay for 4s and the system will start resetting
	251-255	No function
12. Red 1	0-255	Red 1 dimming
13. Green 1	0-255	Green 1 dimming
14. Blue 1	0-255	Blue 1 dimming
......	......	......
......	......	......
81. Red 24	0-255	Red 24 dimming
82. Green 24	0-255	Green 24dimming
83. Blue 24	0-255	Blue 24 dimming

10. Technical Specifications:

Power supply: 100-240V, 50-60Hz

Power consumption: 150W

IP Rate: IP20

RGB Channel: 5CH/6CH/9CH/10CH

PIXEL Channel: 9CH/74CH/75CH/82CH/83CH

Operation menu: LCD screen display

All the winches are made of 3 phase motor.

11.Switching RGB and pixel modes tips:

1. Before switching RGB and pixel modes must turn off power and remove all lights, or the lights might be broken, when all lights are changed well can turn on the power.

2. After switching modes need put out the lifting cables totally for several times to make sure all heights are the same.