LED PAR18-TRI

User Manual

INTRODUCTION

Thank you for selecting the Led P18-Tri . Comprised of 18pcs high power Tri-color 3w LED, this powerful LED fixture offers unlimited colors to enhance your enviroment. The versativity natures and reliable performance of this product makes it ideal for all sectors of entertainment. Please read this user manual carefully and thoroughly before operation.
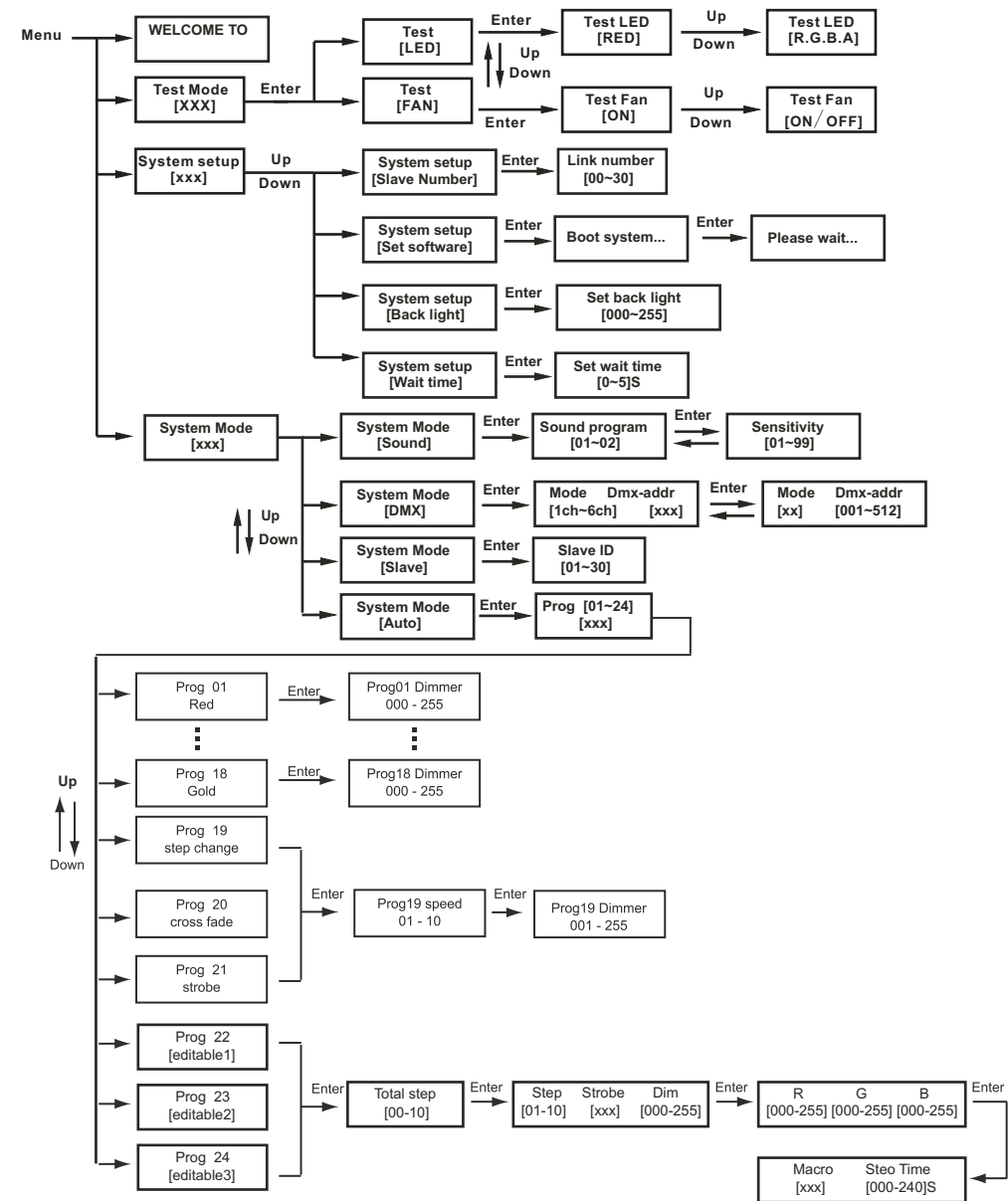
SAFETY INSTRUCTIONS

▪ Please keep this User Guide for future consultation.
▪ Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on decal or rear panel of the fixture.
▪ This product is intended for indoor use only!
▪ To prevent risk of fire or shock, do not expose fixture to rain or moisture.
▪ The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure no ventilation slots are blocked.
▪ Always disconnect from power before servicing or replacing fuse.
▪ Make sure power cord is never crimped or damaged.
▪ Do not look into the beam from a distance of less than 40 cm (16 inches). Do not stare into the beam for extended periods at a short distance.

FEATURES

▪ **LED Refresh-rate 400Hz suitable for use in TV studio**
▪ RGB color mixing
▪ 4 Work modes: Auto, Sound , DMX, Slave
▪ 6 DMX modes:3ch,4ch, 5ch, 6ch,7ch.8ch
▪ 24 built-in programs
▪ 3 editable programs
▪ Onboard programming functionality enables programming without external DMX controller
▪ Thermal management system ensures long life of LEDs
▪ Electronic protection against short circuit
▪ 3-pin or 5-pin XLR connectors
▪ Blue LCD display of 16 x 2 digits
▪ Power failure memory
▪ Set Slave ID

OPERATION INSTRUCTIONS

■ Menu MAP

OPERATION INSTRUCTIONS
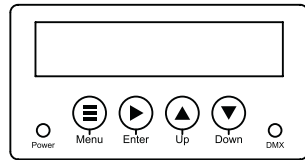
Control Panel

Control Panel

When navigating the menu:
Use "UP" button to move up.
Use "DOWN" button to move down.
Use "ENTER" button to move right.
Use "MENU" button to move left.

▪ Power indicator is lit up when unit is powered on.
▪ DMX indicator is blinking when unit is receiving DMX signal.

Edit strobe

state	funcation
shut	close
open	open
s001-s136	strobe 1-20HZ
po01-po24	pulse open
pc01-pc24	pulse close
rs01-rs24	random strobe

Edit macro

state	funcation
off	off
M01	rainbow slow-stand time 5 sec
M02	rainbow medium-stand time 5 sec
M03	rainbow fast-stand time 5 sec
M04	rainbow slow-no stand time
M05	rainbow medium-no stand time
M06	rainbow fast-no stand time 5
M07	rainbow very slow-no stand time
M08	random color change slowly
M09	random color change medium
M10	random color change fast

DMX MODE

In DMX mode, you have 6 modes to select according to programming requirement for your environment: 3ch,4ch, 5ch, 6ch, 7ch and 8ch mode.

1. Press MENU button go to System Mode, then use Up/Down button to select System Mode [DMX] and press Enter button to enter and LCD dispalys:

Mode 1: 3 DMX Channels(8bit)

Channel	Level	Function
Ch1	0-255	Red Linear adjustment 0-100%
Ch2	0-255	Green Linear adjustment 0-100%
Ch3	0-255	Blue Linear adjustment 0-100%

Mode 2: 4 DMX Channels(8bit)

Channel	Level	Function
Ch1	0-152	General-dimmer 0-100%
	153-242	Strobe frequency adjustment from 1 to 20HZ
	243-255	White full
Ch2	0-255	Red Linear adjustment 0-100%
Ch3	0-255	Green Linear adjustment 0-100%
Ch4	0-255	Blue Linear adjustment 0-100%

Mode 3: 5 DMX Channels(8bit)

Channel	Level	Function
Ch1	0-255	Red Linear adjustment 0-100%
Ch2	0-255	Green Linear adjustment 0-100%
Ch3	0-255	Blue Linear adjustment 0-100%
Ch4	0-255	General-dimmer. Linear intensity adjustment 0-100%
Ch5	0-4	Strobe open
	5-255	Linear Strobe frequency adjustment from 1 to 20HZ

DMX Channels

Mode 4: 6 DMX Channels(8bit)

Channel	Level	Function
Ch1	0-255	Red Linear adjustment 0-100%
Ch2	0-255	Green Linear adjustment 0-100%
Ch3	0-255	Blue Linear adjustment 0-100%
Ch4	0-4	Strobe open
	5-255	Linear Strobe frequency adjustment from 1 to 20HZ
Ch5	0-1	No marco
	2-19	color fade slow to fast
	20-39	color snap slow to fast
	40-59	random slow to fast
	60-79	audio fade
	80-99	audio snap
	100-119	audio strobe
	120-139	audio color pulse
	140-159	red pulse
	160-179	green pulse
	180-199	blue pulse
	200-219	yellow pulse
	220-229	aqua pulse
	230-249	white puse
	250-255	white full
Ch6	0-255	General-dimmer. Linear intensity adjustment 0-100%

Mode 5: 7 DMX Channels(8bit)

Channel	Level	Function
Ch1	0-7	Shutter closed
	8-15	Shutter open
	16-151	Linear Strobe frequency adjustment from 1 to 20HZ
	152-159	Pulse open effect low speed
	160-167	Pulse open effect medium speed
	168-175	Pulse open effect high speed
	176-183	Pulse close effect low speed
	184-191	Pulse close effect medium speed
	192-199	Pulse close effect high speed
	200-207	Random strobe effect low speed
	208-215	Random strobe effect medium speed
	216-223	Random strobe effect hight speed
	224-255	Shutter open
Ch2	0-255	General-dimmer. Linear intensity adjustment 0-100%
Ch3	0-255	Red Linear adjustment 0-100%
Ch4	0-255	Green Linear adjustment 0-100%
Ch5	0-255	Blue Linear adjustment 0-100%
Ch6	0-7	No marco
	8-15	Marco1 rainbow slow-stand time 5 sec
	16-23	Marco2 rainbow medium-stand time 5 sec
	24-31	Marco2 rainbow fast-stand time 5 sec
	32-39	Marco4 rainbow slow-no stand time
	40-47	Marco5 rainbow medium-no stand time
	48-55	Marco6 rainbow fast-no stand time 5
	56-63	Marco7 rainbow very slow-no stand time
	64-70	Marco8 random color change slowly
	71-79	Marco9 random color change medium
	80-87	Marco10 random color change fast
	88-255	Null
Ch7	0-255	Continnus color temperature control

Mode 6: 8 DMX Channels(16bit)

| Channel	Level	Function
Ch1	0-4	Strobe open
	5-255	Linear Strobe frequency adjustment from 1 to 20HZ
Ch2	0-255	General-dimmer. Linear intensity adjustment 0-100%
Ch3	0-255	Red Linear adjustment 0-100%
Ch4	0-255	Red fine Linear adjustment 0-100%
Ch5	0-255	Green Linear adjustment 0-100%
Ch6	0-255	Green fine Linear adjustment 0-100%
Ch7	0-255	Blue Linear adjustment 0-100%
Ch8	0-255	Blueffine Linear adjustment 0-100%

TEST MODE

Test Mode is designed to test LEDs and fans if they are all working.

1. Press MENU botton to scroll top menu until Test Mode displays, press Enter button to enter Test Mode.
2. Use Up/Down button to select Test LED or Test Fan, then press Enter button to go to Test LED or Test Fan.
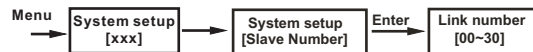3. Press Up/Down to test Red, Green, Blue, All LEDs or test fan ON/OFF.
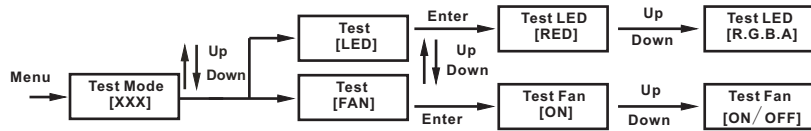
SYSTEM UPDATE

In this mode, you can update software by DMX port.
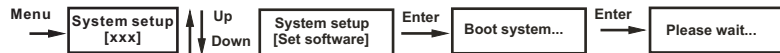
SLAVE NUMBER

1. Press MENU button go to System Setup mode, then use Up/Down button to select System Setup [Slave Number] and press Enter button to enter.
2. Use Up/Down button to set up the number of tatal Slave units.

SLAVE MODE

In Master/Slave operating mode, all Slave units are to be set to Slave Mode
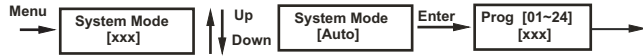and Slave ID is required for each Slave unit.
1. Press MENU button go to System Mode, then use Up/Down button to select
System Mode [Slave] and press Enter button to enter.
2. Use Up/Down button to set up a Slave ID number for that unit. The first Slave connected with the Master unnit is Slave ID [1], the next Slave units are
Slave ID [2], Slave ID [3], and son on.
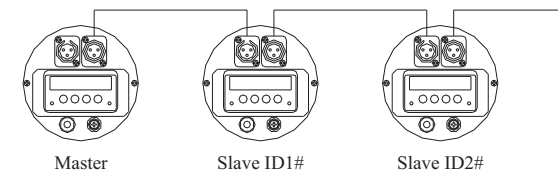
AUTO MODE

In this mode, you can combine 3 editable, 21 built-in programs and running time of each program without external DMX controller.
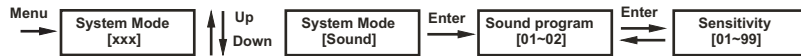
1. Press MENU button till System Mode [xxx] displayed, then use Up/Down button to select System Mode [Auto] and press Enter button to enter. LCD shows:

```
Menu      System Mode    Up    System Mode    Enter    Prog [01~24]
      →      [xxx]       ↕ Down   [Auto]        →         [xxx]      →
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2. Press Up/Down button to select Program [01-24].
3. When Program [01-24] is selected, press Enter button to enter
   edit.

SOUND MODE

1. Press MENU button till System Mode [xxx] displayed, then use Up/Down button to select System Mode [Sound] and press Enter button to enter. LCD shows:

```
Menu      System Mode    Up    System Mode    Enter   Sound program   Enter   Sensitivity
      →      [xxx]       ↕ Down   [Sound]       →        [01~02]        ⇄       [01~99]
```

2. Press Up/Down button to select Sound Program [01-02].
3. When Sound Program [01-02] is selected, press Enter button to enter
   and set sound sensitivity from [1-99], highest to lowest level.

GENERAL MAINTENACE

To maintain optimum performance fixtures should be cleaned frequently. Unplug fixture from power. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean all glass gently when the fixture is cold with a mild solution of glass cleaner or Isopropyl Alcohol and a soft lint free cotton cloth or lens tissue.

IMPORTANT IN FORMATION

To reduce the impact on human health and the environment, old appliances must be collected separately.

SPECIFICATIONS

WEIGHT & DIMENSIONS
Length ....240 mm
Width ....240 mm
Height 260mm
Weight ....4.5 kg

POWER
AC Power .... 110V or 230V 50/60Hz AC
Power Consumption .... 54W Max.

LIGHT SOURCE
18PCS 3W Tri -color LED

Optical lens .... 40°
Optical lens .... 25°