stage4
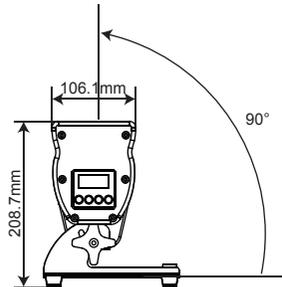**Professional lighting**

BARTONE 12x15F IP

1.Mechanical Specification
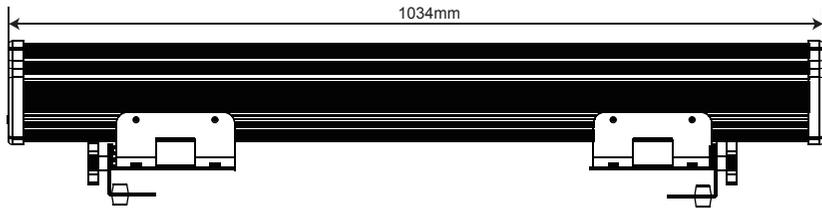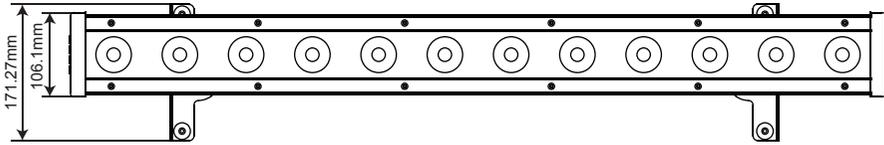
11.2 Replace the power supply

① Use the scrow open the cover of Power In
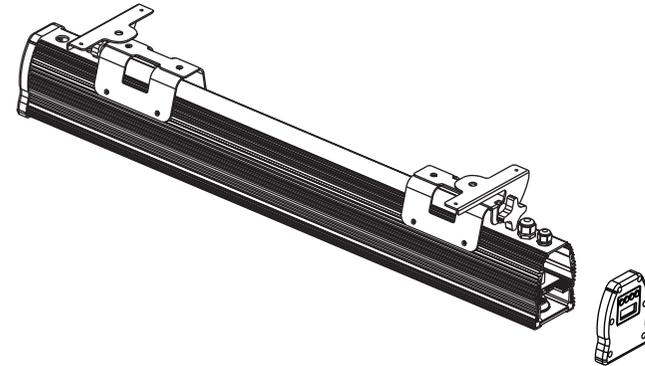
② Pull out the power supply, remove the old power supply then follow the
power supply schematic, put the wire comected to the new power supply

power supply
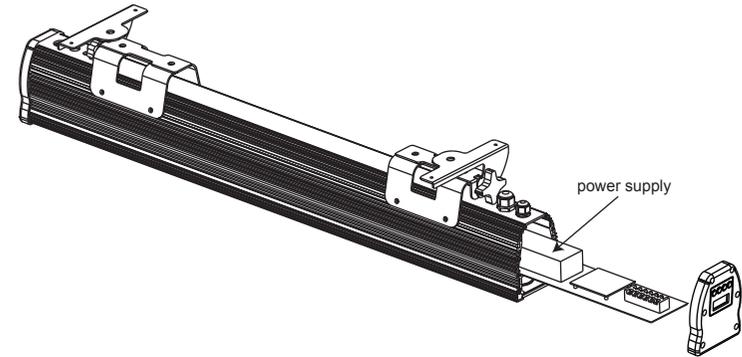
11. Service

11.1 Replace the mainboard

① Use the scrow open the cover of display board
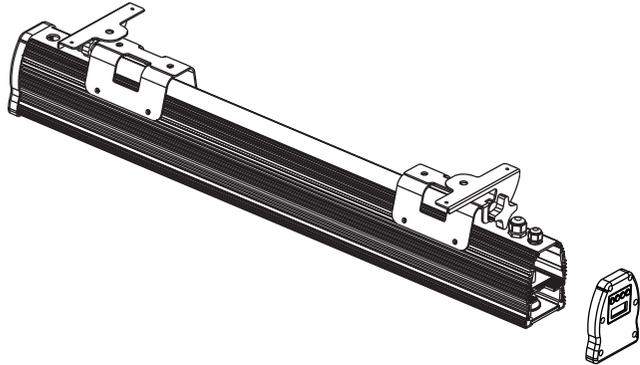
② Pull out the mainboard, remove the old mainboard then follow the mainboard

schematic, put the wire comected to the new mainboard

mainboard

DMX   Temperature Control   Photosensitive induction

G G G V+ V+ V+

G G G V+ V+ V+

Internal signal cable

Signal cable 1

Power input cable

LCD display line   Signal line 3   Signal cable 2

Table of contents

2. Introduction

Unpacking: Unpacking: Thank you for purchasing the AMAZ ouad led bar. Every AMAZ ouad led bar has been tested and shipped in perfect operating conditi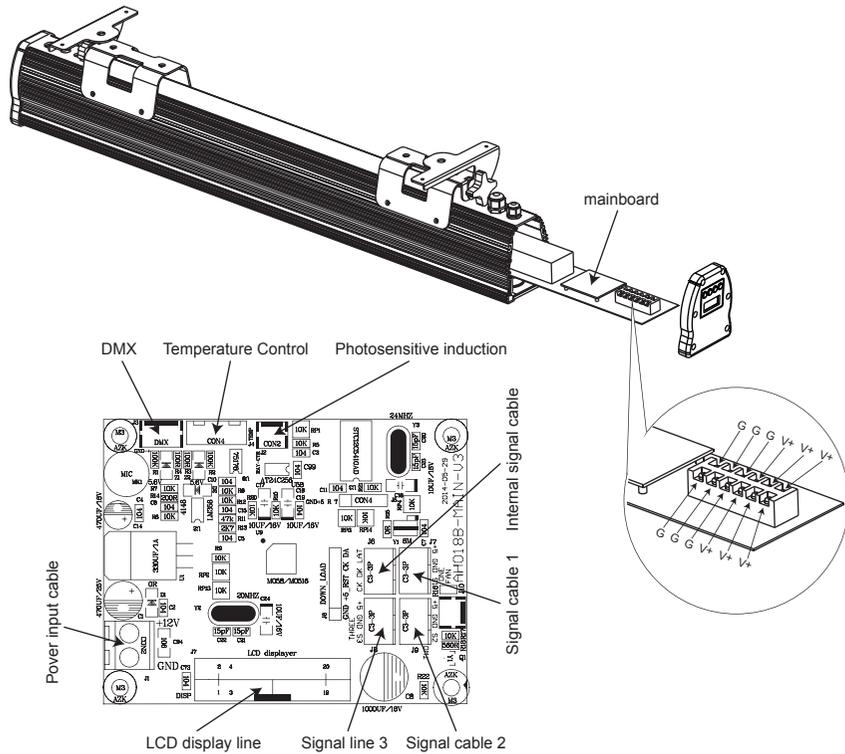on. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessoriesnecessary to operate the unit has arrived intact.

*Introduction:*The AMAZ ouad led bar is a DMX intelligent LED color wash. This wash can be used in a stand alone mode or connected in a Master/Slave configuration. The unit can also be controlled via DMX controller. This unit has seven operating modes: Manual Color mode, Color Change mode, Color Fade mode, Auto mode, RGBW Manual Control mode and DMX control mode.

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will avoid your manufactures warranty. In the unlikely event your unit may require service please contact us.

PLEASE recycle the carton when ever possible.

10. Installation
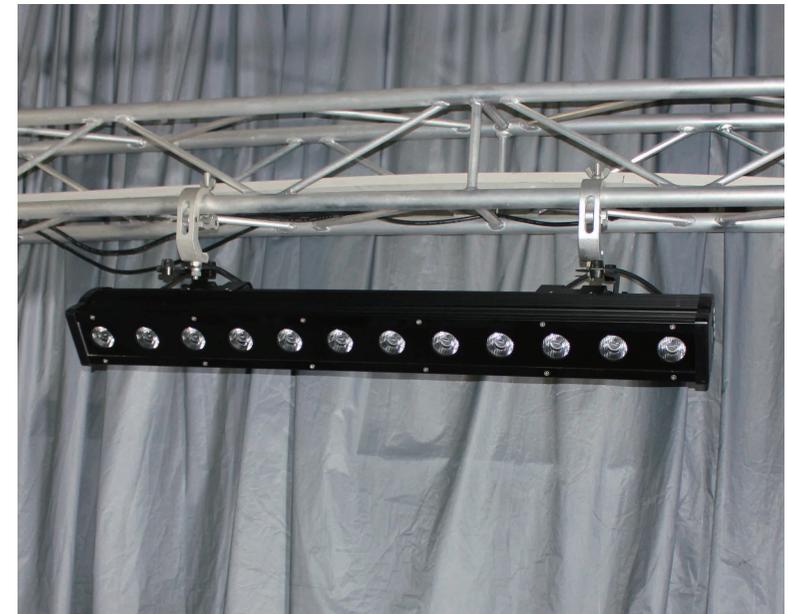
8. Connection

8.1 DMX connection

Example 1

A002 ... A511

DMX out

DMX

Last spot/
Last unit

Termination resistor

TL

Connect all lights with controller,set all chanels are same.

8.2 Master slave connection

Example 2

Master   Slave   Slave   Slave

Last spot/
Last unit

Termination resistor
Termination resistor

line 1 / linea 1

TL

Connect all lights with controller,set one light on | PROGRAM P:XX S:XX | or | COLOUR XX | , other all lights

set it | RUN MODE |——| SLAVE | .

Voltage	the largest number of connection
230V AC	8 MAX.
110V AC	4 MAX.

Please strictly in accordance with the requirements of the above peration,
if beyond the above quantity, will cause a fire or burn out products.

9.Photometric data

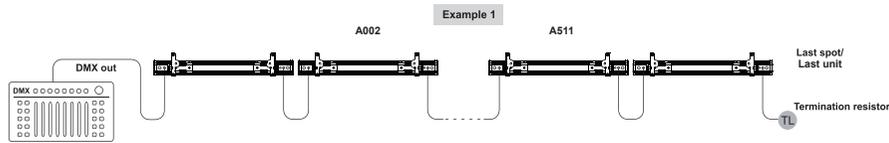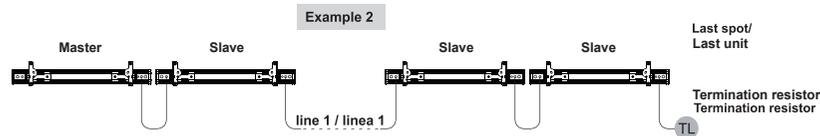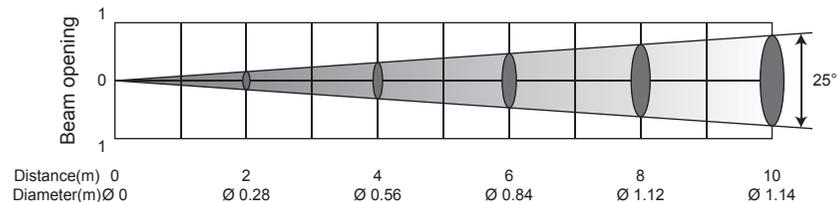| lux(R)	4032	3842	2785	1084	708
lux(G)	4874	4152	2954	1348	842
lux(B)	1481	1267	782	612	537
lux(W)	4276	2944	1487	846	782
lux(RGBW)	12483	8453	4195	2715	956

Beam opening

25°

Distance(m)	0	2	4	6	8	10
Diameter(m)	Ø 0	Ø 0.28	Ø 0.56	Ø 0.84	Ø 1.12	Ø 1.14

3. Safety Information

• Installation
Make sure all parts for fixing the projector are in a good state of repair. Make sure the point of anchorage is stable before positioning the projector.
The safety chain must be properly hooked onto the fitting and secured to the framework, so that,if the primary support system fails, the fitting falls as little as possible. If the safety chain gets used,it needs to be replaced with a genuine spare.

0.2....m

• Minimum distance of illuminated objects
The projector needs to be positioned so that the objects hit by the beam of light are at least 0.2 metres (8") from the lens of the projector.

• Minimum distance from flammable materials
The projector must be positioned so that any flammable materials are at least 0.20 metres (8") from every point on the surface of the fitting.

F

• Mounting surfaces
It is permissible to mount the fitting on normally flammable surfaces.

t_a 40°C

• Maximum ambient temperature
Do not use the project if ambient temperature (Ta) exceeds 40°C.

IP65

• IP65 protection rating
The equipment is fully protected against dust (first digit 6) and against jets of water (second digit 5).

• Protection against electrical shock
Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1).
It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

• Connection to the power mains
A qualified electrician must perform connection to the power mains.
Check that the mains frequency and voltage correspond to the frequency and voltage for which the projector was designed and indicated on the electrical data label.
This label also gives the input power.Refer to the latter to evaluate the maximum number of devices to be connected to the mains to avoid overloads.

!

• Maintenance
Before starting any maintenance work or cleaning the projector, cut off power from the supplymains. After switching off, do not remove any parts of the fitting for at least 10 minutes. The lensesmust be mounted and, if visibly damaged, they have to be replaced with genuine spares.

CE

The products referred to in this manual conform to the European Community Directives to which they are subject:
• Low Voltage Directive 2006/95/EC
• Electromagnetic Compatibility Directive 2004/108/EC

4. Product Overview

Tempered glass
Lens
Knob screws   Control board

POWER OUT   DMX OUT   VALVE   DMX IN   POWER IN

59	0—9	All ids	210	Id21	233	Id44
	10—19	Id1	211	Id22	234	Id45
	20—29	Id2	212	Id23	235	Id46
	30—39	Id3	213	Id24	236	Id47
	40—49	Id4	214	Id25	237	Id48
	50—59	Id5	215	Id26	238	Id49
	60—69	Id6	216	Id27	239	Id50
	70—79	Id7	217	Id28	240	Id51
	80—89	Id8	218	Id29	241	Id52
	90—99	Id9	219	Id30	242	Id53
	100—109	Id10	220	Id31	243	Id54
	110—119	Id11	221	Id32	244	Id55
	120—129	Id12	222	Id33	245	Id56
	130—139	Id13	223	Id34	246	Id57
	140—149	Id14	224	Id35	247	Id58
	150—159	Id15	225	Id36	248	Id59
	160—169	Id16	226	Id37	249	Id60
	170—179	Id17	227	Id38	250	Id61
	180—189	Id18	228	Id39	251	Id62
	190—199	Id19	229	Id40	252	Id63
	200—209	Id20	230	Id41	253	Id64
			231	Id42	254	Id65
			232	Id43	255	Id66

	0 - 7	Default
	8—10	program 1
	11—20	program 2
	21—30	program 3
	31—40	program 4
	41—50	program 5
	51—60	program 6
	61—70	program 7
	71—80	program 8
	81—90	program 9
8	91—100	Custom1
	101—110	Custom2
	111—120	Custom3
	121—130	Custom4
	131—140	Custom5
	141—150	Custom6
	151—160	Custom7
	161—170	Custom8
	171—180	Custom9
	181—190	Custom10
	191—200	Custom11
	200—255	Custom12
9	0—255	Speed when 7 or 8 Channel is enable
	16 -255	strobe（0Hz—20Hz）
	0 – 10	Default
	11 – 63	Led unique control
	64 – 95	Module control 1
10	96 – 127	Module control 2
	128 – 159	Module control 3
	160 – 255	Module control 4
11	0 -255	Red 1 LEDs Dimmer low to high(unique/module1/2/3/4)
12	0 -255	Green 1 LEDs Dimmer low to high(unique/module1/2/3/4)
13	0 -255	Blue 1 LEDs Dimmer low to high(unique/module1/2/3/4)
14	0 -255	White 1 LEDs Dimmer low to high(unique/module1/2/3/4)
------	------	------
55	0 -255	Red 12 LEDs Dimmer low to high(unique / module1/2/3/4)
56	0 -255	Green 12 LEDs Dimmer low to high(unique/module1/2/3/4)
57	0 -255	Blue 12 LEDs Dimmer low to high(unique/module1/2/3/4)
58	0 -255	White 12 LEDs Dimmer low to high(unique/module1/2/3/4)

5. Technic Data

- 12 high performance OSRAM LED
- Light output:3000 Lumen
- 0 – 100% dimmer curve
- Standard beam angle: 40°*10°
- 10 customer programs
- Lens:high quality lens from france
- IP65 rated for outdoor applications
- Color strobe:1-25s
- 6 DMX Modes (RGBW separate control, Strobe, Macro Dimmer)
- 50,000 hour life light source (Average)
- DMX channel: 3, 4, 5, 8, 11 or 59
- 20 internal program included
- Set-up via DMX standard controller
- Cooling by the body
- Automatic thermal protection system
- Each LED can be controlled separately
- Power consumption: 200W
- Die-cast and extruded aluminium construction
- Waterproof:IP65
- Dimensions: 1020 x 94 x 80 mm
- Weight: 10.0 kg

6. Operating Instructions

MENU

- PROGRAM P:XX S:XX
  - P:1~20
  - PROGRAM AUTOS:XX
  - S:0~31
- CUSTOM XX
  - XX:1~12
- DMXSETUP CHXXAXXX
  - DMXSETUP CH03A:XXX
  - DMXSETUP CH04A:XXX
  - DMXSETUP CH05A:XXX
  - DMXSETUP CH08A:XXX
  - DMXSETUP CH11A:XXX
  - DMXSETUP CH59A:XXX
  - A:1~512
- COLORSET XXX XXX
  - COLORSET XXX RED
  - COLORSET XXX GRE
  - COLORSET XXX BLU
  - COLORSET XXX WHI
  - XXX:0~255
- SETUPDIM XXX MAX
  - XXX:0~255
- WHITE 11 →WXX
  - XXX:0~11
    - R:0~255
    - G:0~255
    - B:0~255
    - W:0~255
- SETUP ID XX
  - XX:1~66

7	0 – 10	No function
	11 – 20	R100%/Gup/B0%/W0%
	21 – 30	Rdown/G100%/B0%/W0%
	31 – 40	R0%/G100%/Bup/W0%
	41 – 50	Rup/Gdown/B100%W0%
	51 – 60	Rup/G0%/B100%/W0%
	61 – 70	R100%G0%Bdown/W0%
	71 – 80	R100%/G0%/B0%/Wup
	81 – 90	R100%/G0%/B0%Wdown
	91 – 100	R↑/G↓/B0%/W0%→R↓/G↑/B0%/W0%
	101 – 110	R↑/G0%/B↓/W0%→R↓/G0%B↑/W0%
	111 – 120	R0%/G↑/B↓/W0%→R0%/G↓/B↑/W0%
	121 – 130	R↑/G↑/B↓/W0%→R↓/G↓/B↑/W0%
	131 – 140	R↑/G↓/B↓/W0%→R↓/G↑/B↑/W0%
	141 – 150	R↑/G↓/B↑/W0%→R↓/G↑/B↓/W0%
	151 – 160	R↑/G0%/B↓/W0%→R↓/G↑/B0%/W0%→R0%/G↓/B↑/W0%
	161 – 170	R↑/G100%/B↓/W0%→R100%/G↓/B↑/W0%→R↓/G↑/B100%/W0% R↓/G↑/B0%/W0%→R0%/G↓/B↑/W0%→R0%G0%/B↓/W↑→
	171 – 180	R↑/G0%/B0%/W↓ R0%/G100%/B↓/W0%→R↑/G100%B0%/W0%→
	181 – 190	R100%/G↓/B0%/W0%→R100%/G0%/B↑/W0%→ R↓/G0%/B100%/W0%→R0%/G↑/B100%/W0%
	191 – 200	RGBW
	201 – 205	White 1
	206 – 210	White 2
	211 – 215	White 3
	216 – 220	White 4
	221 – 225	White 5
	226 – 230	White 6
	231 – 235	White 7
	236 – 240	White 8
	241 – 245	White 9
	246 – 250	White 10
	251 – 255	White 11

11	0—9	All ids	210	Id21	233	Id44
	10—19	Id1	211	Id22	234	Id45
	20—29	Id2	212	Id23	235	Id46
	30—39	Id3	213	Id24	236	Id47
	40—49	Id4	214	Id25	237	Id48
	50—59	Id5	215	Id26	238	Id49
	60—69	Id6	216	Id27	239	Id50
	70—79	Id7	217	Id28	240	Id51
	80—89	Id8	218	Id29	241	Id52
	90—99	Id9	219	Id30	242	Id53
	100—109	Id10	220	Id31	243	Id54
	110—119	Id11	221	Id32	244	Id55
	120—129	Id12	222	Id33	245	Id56
	130—139	Id13	223	Id34	246	Id57
	140—149	Id14	224	Id35	247	Id58
	150—159	Id15	225	Id36	248	Id59
	160—169	Id16	226	Id37	249	Id60
	170—179	Id17	227	Id38	250	Id61
	180—189	Id18	228	Id39	251	Id62
	190—199	Id19	229	Id40	252	Id63
	200—209	Id20	230	Id41	253	Id64
			231	Id42	254	Id65
			232	Id43	255	Id66

Mode 5: 59CH

DMX Channel	Value	Function
1	0 -255	0 = Off 1 - 255 = Master dimmer
2	0 -255	Adjust red LEDs Dimmer low to high
3	0 -255	Adjust green LEDs Dimmer low to high
4	0 -255	Adjust blue LEDs Dimmer low to high
5	0 -255	Adjust white LEDs Dimmer low to high
6	0 - 127	Off dimmer speed
	128 - 255	Dimmer speed

MENU

- COLOUR XX → XX:1~52
- CUSTOM 12 → PRO01 … PRO12 → EDTI →Sce01 → LED:1~12 / STRO:0~20 / FADE:XX / TIME:0~99
- UPLOAD → PASSWORD
- RUN MODE → SLAVE / DMX
- SET UPDIS XX → ON / OFF
- KEY LOCK XXX → KEY LOCK 10s / KEY LOCK 30s / KEY LOCK OFF
- MASTER XXX → MASTER ON / MASTER OFF
- SETUPCUR XXXXXXXX → SETUPCUR LINE / SETUPCUR OPTIMIZE
- VERSION 1-20-03H
- PCB TEMP XXX
- UPDATE +/-:XX → XXX:0~50
- RESET "ENTER"
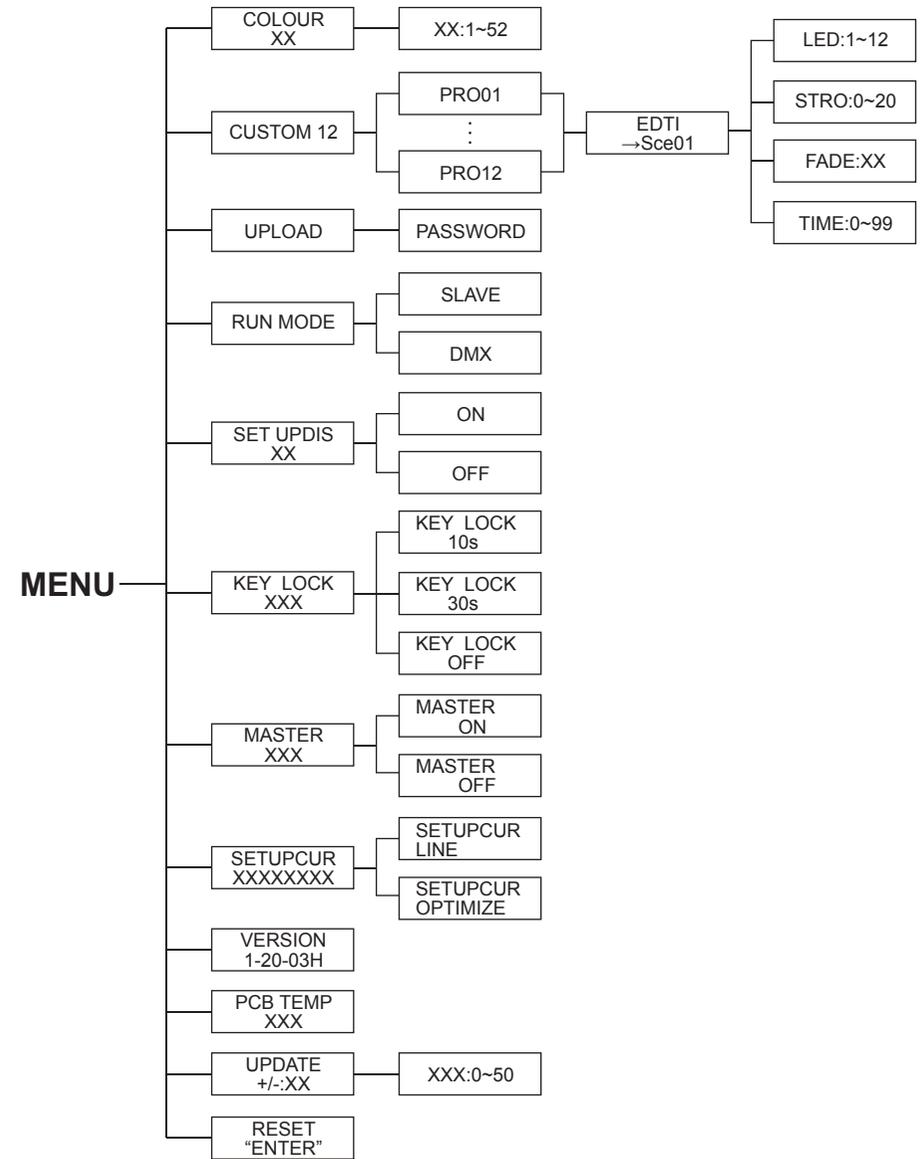
PROGRAM

1. P: Internal program mode select 1 - 20
2. AUTO : 20 mode loop run
3. S: Adjust internal program speed 0- 31

CUSTOM

1. Run customized program 12

DMXSETUP

1. CH: Setup DMX Channel(3/4/5/8/11/59)
2. A :Setup DMX address 1- 512

COLORSET

1. Setup red dimmer 0 - 255
2. Setup green dimmer 0 - 255
3. Setup blue dimmer 0 - 255
4. Setup white dimmer 0 - 255

WHITE 11

1. Set the internal 11 white and set of 4 color parameters

SETUP ID

1. Off :Close dmx id function. 1 – 66 Setup dmx id number

COLOUR

1. Choose Internal 52 color

UPLOAD

1. Upload customized program when press (Down+Up+Down+Up)

DMX SIGN

1. FREEZE: When dmx cable break keep buffer data.
2. BLACKOUT: When dmx cable break clear buffer data.

SETUPDIS

1. OFF: Close lcd backlight. On: Open lcd backlight.

RUN MODE

1. Run SLAVE/DMX

KEY LOCK

1. 10s :Key lock 10s after open
2. 30s: Key lock 30s after open
3. OFF: Key lock close.Password is UP/DOWN

	246 – 250	White 10
	251 – 255	White 11
7	0 -255	Speed when channel 6 is enable
	0 -15	Default
	16 -255	strobe（0Hz—20Hz）
8	0	Default
	8—10	program 1
	11—20	program 2
	21—30	program 3
	31—40	program 4
	41—50	program 5
	51—60	program 6
	61—70	program 7
	71—80	program 8
	81—90	program 9
	91—100	Custom1
	101—110	Custom2
	111—120	Custom3
	121—130	Custom4
	131—140	Custom5
	141—150	Custom6
	151—160	Custom7
	161—170	Custom8
	171—180	Custom9
	181—190	Custom10
	191—200	Custom11
	201—255	Custom12
9	0—255	Speed when auto is enable
10	0 - 127	Off dimmer speed
	128 - 255	Dimmer speed

	7	0 -255	0 = Off 1 - 255 = Different colourmacros 36
	8	0 -255	strobe（0Hz—20Hz）

Mode 5: 11CH

DMX Channel	Value	Function
1	0 -255	0 = Off 1 - 255 = Master dimmer
2	0 -255	Adjust red LEDs Dimmer low to high
3	0 -255	Adjust green LEDs Dimmer low to high
4	0 -255	Adjust blue LEDs Dimmer low to high
5	0 -255	Adjust white LEDs Dimmer low to high
6	0 – 10	No function
	11 – 20	R100%/Gup/B0%/W0%
	21 – 30	Rdown/G100%/B0%/W0%
	31 – 40	R0%/G100%/Bup/W0%
	41 – 50	Rup/Gdown/B100%W0%
	51 – 60	Rup/G0%/B100%/W0%
	61 – 70	R100%G0%Bdown/W0%
	71 – 80	R100%/G0%/B0%/Wup
	81 – 90	R100%/G0%/B0%Wdown
	91 – 100	R↑/G↓/B0%/W0%→R↓G↑/B0%/W0%
	101 – 110	R↑/G0%/B↓/W0%→R↓/G0%B↑/W0%
	111 – 120	R0%/G↑/B↓/W0%→R0%/G↓/B↑/W0%
	121 – 130	R↑/G↑/B↓/W0%→R↓/G↓/B↑/W0%
	131 – 140	R↑/G↓/B↓/W0%→R↓/G↑/B↑/W0%
	141 – 150	R↑/G↓/B↑/W0%→R↓/G↑/B↓/W0%
	151 – 160	R↑/G0%/B↓/W0%→R↓/G↑/B0%/W0%→R0%/G↓/B↑/W0%
	161 – 170	R↑/G100%/B↓/W0%→R100%/G↓/B↑/W0%→R↓/G↑/B100%/W0%
	171 – 180	R↓/G↑/B0%/W0%→R0%/G↓/B↑/W0%→R0%G0%/B↓/W↑→ R↑/G0%/B0%/W↓
	181 – 190	R0%/G100%/B↓/W0%→R↑/G100%B0%/W0%→ R100%/G↓/B0%/W0%→R100%/G0%/B↑/W0%→ R↓/G0%/B100%/W0%→R0%/G↑/B100%/W0%
	191 – 200	RGBW
	201 – 205	White 1
	206 – 210	White 2
	211 – 215	White 3
	216 – 220	White 4
	221 – 225	White 5
	226 – 230	White 6
	231 – 235	White 7
	236 – 240	White 8
	241 – 245	White 9

MASTER
1. ON: Open master signal
2. OFF: Close master signal

SETUPCUR
1. Setup dimmer mode

VERSION
1. Display software version(1-20-03H)

PCB TEMP
1. Display system led pcb temperature,when exceed 65 down dimmer

UPDATE
1. +/-:xxx: Press "+/- " Display data up to 51 into software update

RESET
1. "ENTER" :Press Enter reset all value

7. DMX control mode

Mode 1: 3CH

DMX Channel	Value	Function
1	0 -255	Hue
2	0 -255	Staturation
3	0 -255	Value(brightness)

Mode 2: 4CH

DMX Channel	Value	Function
1	0 -255	Adjust red LEDs Dimmer low to high
2	0 -255	Adjust green LEDs Dimmer low to high
3	0 -255	Adjust blue LEDs Dimmer low to high
4	0 -255	Adjust white LEDs Dimmer low to high

Mode 3: 5CH

DMX Channel	Value	Function
1	0 -255	0 = Off 1 - 255 = Master dimmer
2	0 -255	Adjust red LEDs Dimmer low to high
3	0 -255	Adjust green LEDs Dimmer low to high
4	0 -255	Adjust blue LEDs Dimmer low to high
5	0 -255	Adjust white LEDs Dimmer low to high

Mode 4: 8CH

DMX Channel	Value	Function
1	0 -255	0 = Off 1 - 255 = Master dimmer
2	0 -255	Adjust red LEDs Dimmer low to high
3	0 -255	Adjust green LEDs Dimmer low to high
4	0 -255	Adjust blue LEDs Dimmer low to high
5	0 -255	Adjust white LEDs Dimmer low to high
6	0 -255	0 – 19 none 20 – 23 red 24 – 27 green 28 – 31 blue 32 – 35 yellow 36 – 39 cyan 40 – 43 magenta 44 – 47 white 48 – 51 orange 52 – 55 pink
		56 – 59 violet
		60 – 63 aquamarine
		64 – 67 sky blue
		68 – 71 full white
		72 – 75 cool white
		76 – 79 warm white
		80 – 83 white 3200
		84 – 87 white 2500
		88 – 91 yellow 2
		92 – 95 straw
		96 – 99 orange 2
		100 – 103 light rose
		104 – 107 dark pink
		108 – 111 magenta 2
		112 – 115 blue 2
		116 – 119 med blue green
		120 – 123 dark blue
		124 – 127 bright pink
		128 – 131 medium blue
		132 – 135 golden amber
		136 – 139 deep golden amber
		140 – 143 pale lavender
		144 – 147 apricot
		148 – 151 dark lavender
		152 – 155 chocolate
		156 – 159 just blue
		160 – 163 surprise pink
		164 – 167 scarlet
		168 – 171 surprise peach
		172 – 175 fire
		176 – 179 english rose
		180 – 183 mauve
		184 – 187 bright blue
		188 – 191 alice blue
		192 – 195 rose indigo
		196 – 199 urban blue
		200 – 203 cool blue
		204 – 207 Light salmon
		208 – 211 mayan sun
		212 – 215 cherry rose
		216 – 219 flesh pink
		220 – 223 skelton exotic sangria
		224 – 255 amber