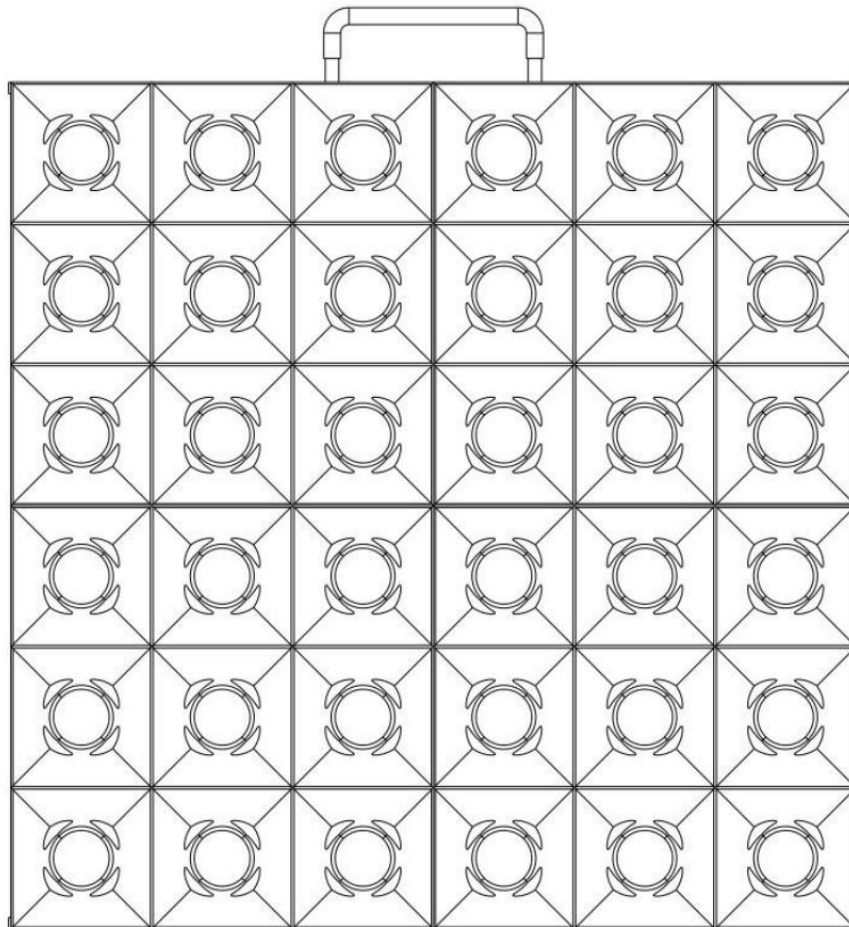


FOS PIXEL/BLINDER PANEL

User Manual



Thanks for choosing our goods please read this manual carefully
before your operating and keep this manual for future needs



Thank you for purchasing LED Color Panel 180, Every unit has been thoroughly tested and has been shipped in perfect operating condition. 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 accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. You now own a professional lighting unit that offers endless possibilities.

For your own safety and that of others, please read this instruction manual carefully before installing the unit.

Anyone involved in installing, operating or servicing the LED 2in1 Blinder

Bar must:

- **Be a qualified, authorized professional**
- **Strictly follow the instructions in this user manual.**

Please take the time to read this manual carefully and thoroughly before installing and operating the luminaire. You should have a good knowledge of its operating conditions and all pertinent product information.

After you have become familiar with this manual, we recommend that you keep a copy for future use. All the information found in this manual

is subject to change without notice. We reserves the right to modify and upgrade its range of products, with no obligation to integrate these changes into products already sold.

Warning

- To prevent or reduce the risk of electrical shock or fire ,do not expose the unit to rain or moisture.
- Do not open the unit within five minutes after switching off.
- Please consider that damages caused by manual modifications to the device are not subject to warranty.

Installation

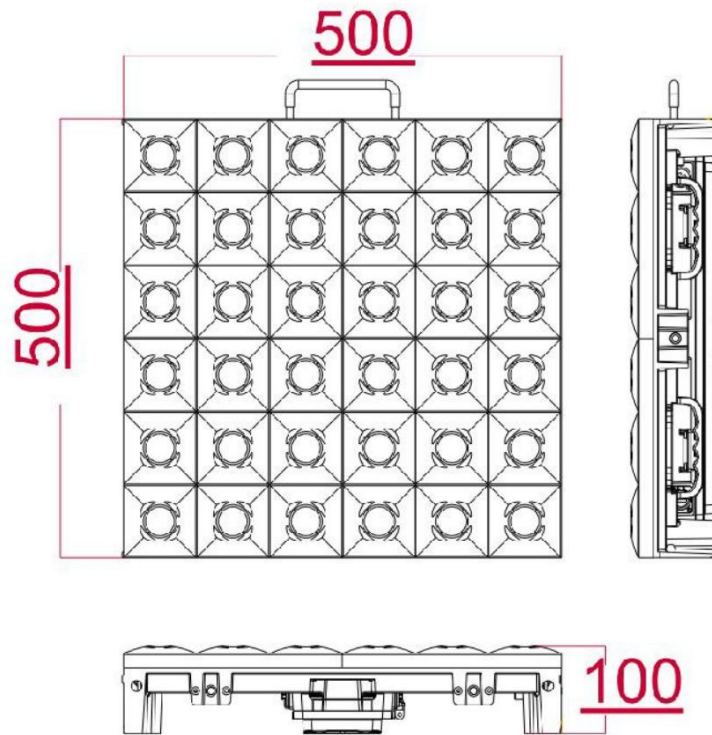
The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit' s weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

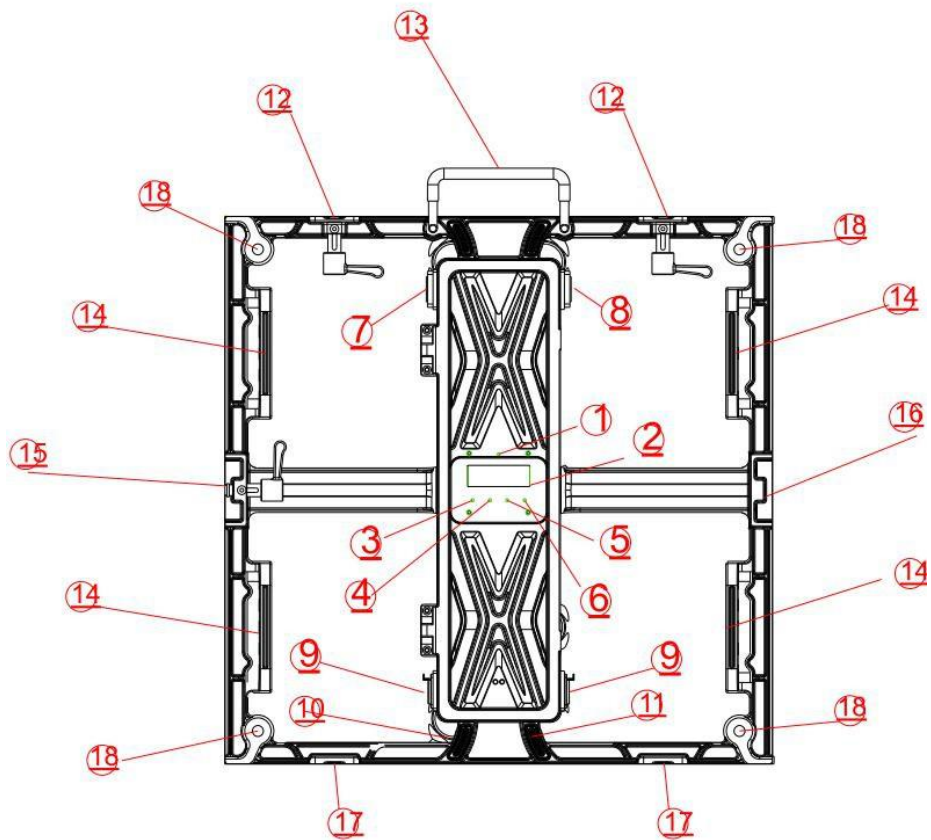
Specifications and Features:

- LEDs: 36pcs 3W CREE LEDs, 144pcs 5050SMD RGB LEDs
- Arc-shaped:10°
- Optics:4°
- DMX Channels: 468DMX Channels
- Refresh Rate: 3000Hz
- Fuse: 250V F3A (5x20mm glass)
- 4 DMX Channels Mode: 10CH,45CH,146CH,468CH
- Control Protocol: Art-net, Kling-net, DMX
- Support RDM
- Front cover color: White and black
- Each LED can pixel control, can create fabulous image effects.
- XLR Connectors: 3pin&5pin XLR Connector
- Powercon in/out, Ethernet in/out
- Work mode: Auto, Sound, DMX, Artnet
- With handle and safe
- Power input:110~240V,50/60Hz
- Power Consumption:180W
- Size: 500x500x100cm
- Net Weight: 9.5KG

Product Size



Product Description



- 1. LCD Display
- 2. Soud Mic
- 3. Button-UP
- 4. Button-Down
- 5. Button-Enter
- 6. Button-Menu
- 7. Powercon IN
- 8. Powercon Out
- 9. RJ45 IN/OUT
- 10.DMX IN
- 11.DMX OUT
- 12.QUICK LOCKS for up Side thread M8
- 13.Lifting yoke
- 14.CARRYING HANDLES
- 15.MOUNTING PIN for Left Side
- 16.MOUNTING Hole for Right Side
- 17.Mounting Hole for down side
- 18.Inner

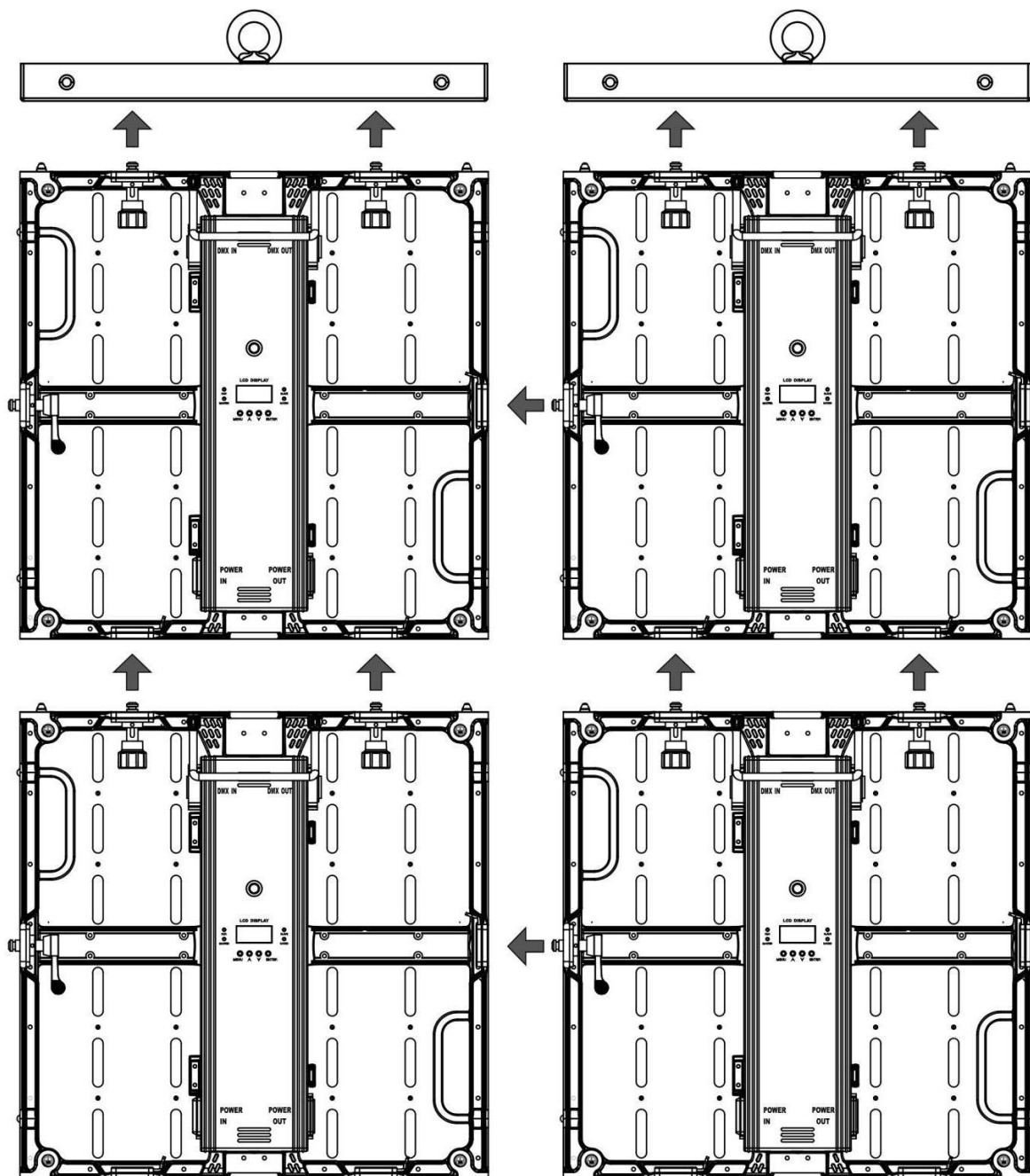
OVERHEAD RIGGING:

- Important: The installation must be carried out by qualified service personal only. Improper installation can result in serious injuries and/or damage to property. Overhead rigging requires extensive experience! Working load limits should be respected, certified installation materials should be used, the installed device should be inspected regularly for safety.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Locate the fixture in a well ventilated spot, far away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls.
- The device should be installed out of reach of people and outside areas where persons may walk by or be seated.
- Before rigging make sure that the installation area can hold a minimum point load of 10times the device's weight.
- Always use a certified safety cable that can hold 12 times the weight of the device when installing the unit. This secondary safety attachment should be installed in a way that no part of the installation can drop more than 20cm if the main attachment fails.

- The device should be well fixed; a free-swinging mounting is dangerous and may not be considered!

- Don't cover any ventilation openings as this may result in overheating.

The operator has to make sure that the safety-relating and machine-technical installations are approved by an expert before using them for the first time. The installations should be inspected every year by a skilled person to be sure that safety is still optimal.



ELECTRICAL INSTALLATION

STANDALONE WITH BUILT-IN CHASES:

Use this function when you want an instant show on only 1 panel.

- Connect the panel to the mains.
- Select one of the M/S modes in the setup menu:

STANDALONE MASTER/SLAVE WITH BUILT-IN SHOWS:

Use this function when you want an instant show on 2 or more fixtures.

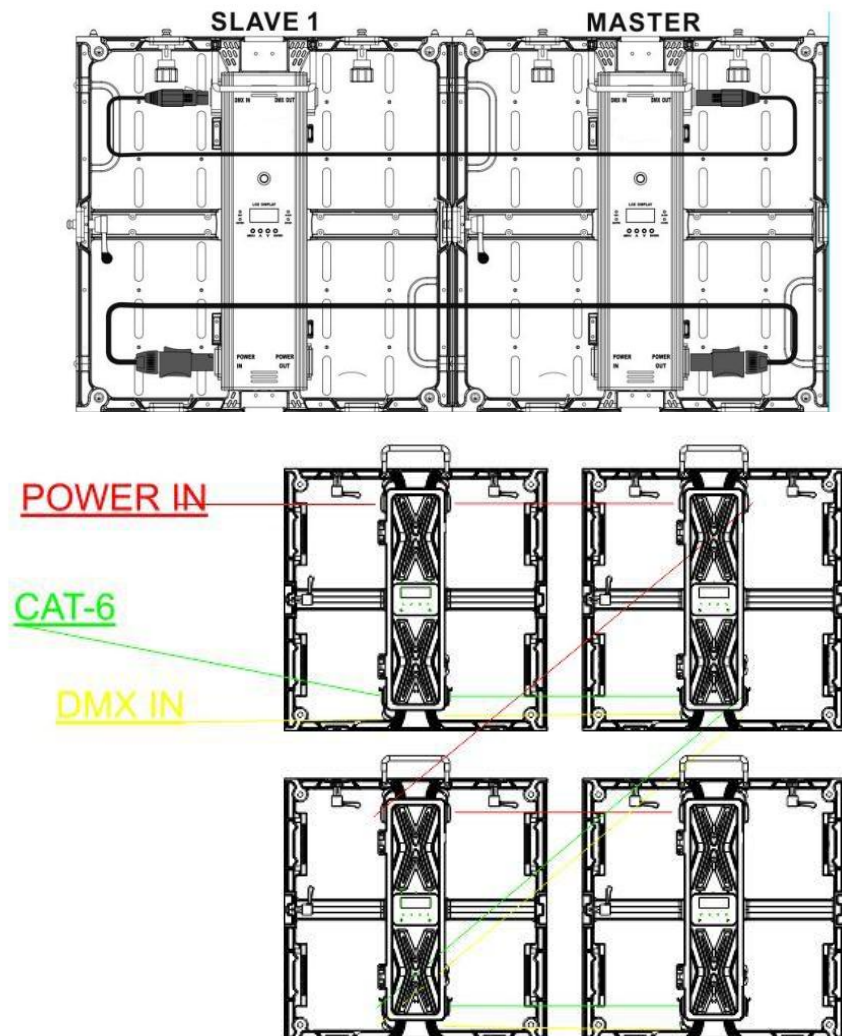
By linking the units in master/slave connection, the first unit will control the other units to show a synchronized automatic or sound activated light show.

- Connect the panels as shown in the drawing below
 - The first unit will start running its selected show.
- The connected panel (or panels) will be set as SLAVE automatically

ELECTRICAL INSTALLATION FOR TWO OR MORE UNITS IN all MODE:

Use this function when you want to control the projectors by any DMX controller.

- Connect the projectors as shown in the drawing below.
- First put the projectors in the desired DMX-mode: see the different DMX-charts and choose the one that suits you best.
- Give all projectors a start address: each projector shows its start + end address, make sure that the addresses do not overlap!

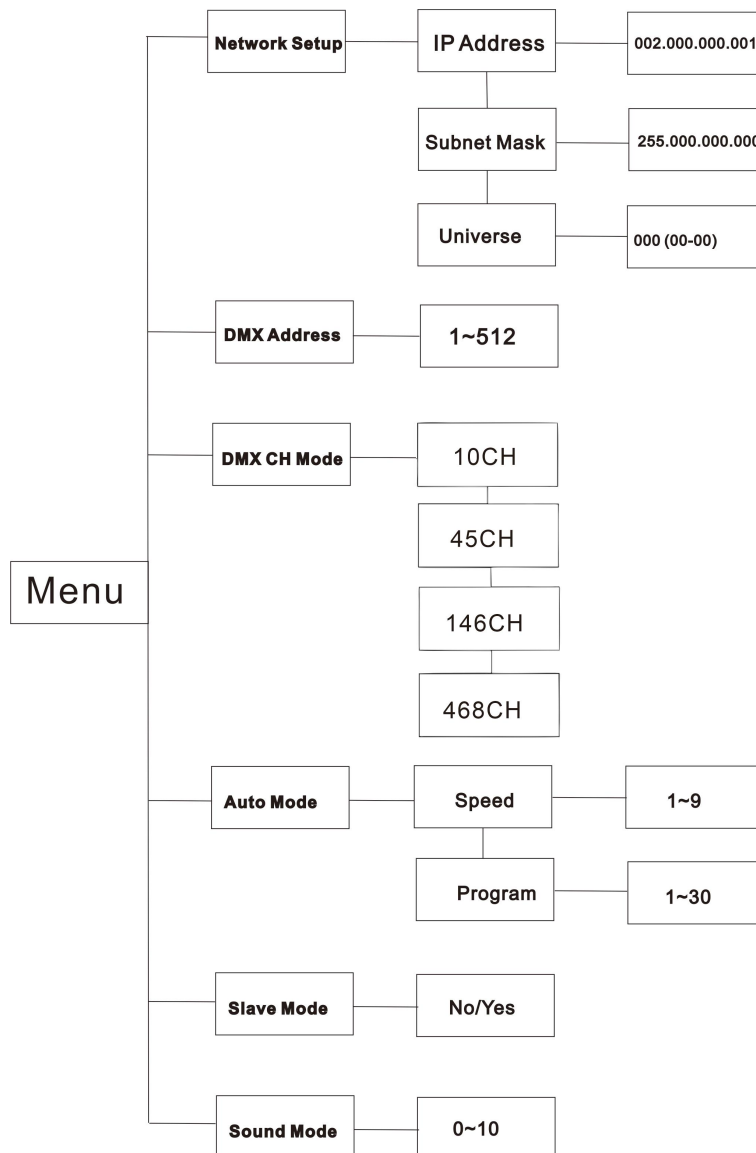


Control Panel

The control panel is the mechanism for configuring the LCB70 settings. It has a small LCD screen and four buttons, which are described below.

Button	Function
<MENU>	Scrolls through the first level of options, or exits from the current menu or function
<UP>	Navigates upward through the menu list or increases the numeric value when in a function
<DOWN>	Navigates downward through the menu list or decreases the numeric value when in a function
<ENTER>	Enables the currently displayed menu or sets the currently selected value in to the current function

Menu Structure



Mode	Display	Function
NETWORK SETUP	IP ADDRESS	XXX XXX XXX XXX
	SUBNET MASK	255.000.000.000
	DMX UNIVERSE	000-255
DMX Address	ADDR: 001 ~ 512	Setting DMX starting address
DMX Mode	CH:10	Setting DMX channel mode
	CH:45	
	CH:146	
	CH:468	
AUTO	SPEED: 01 – 09	Program speed, from slow to fast
	Program 1	3W Warm white effect
	Program 2	3W Warm white effect
	Program 3	3W Warm white effect
	Program 4	3W Warm white effect
	Program 5	3W Warm white effect
	Program 6	3W Warm white effect
	Program 7	3W Warm white effect
	Program 8	3W Warm white effect
	Program 9	3W Warm white effect
	Program 10	3W Warm white effect
	Program 11	3W Warm white effect
	Program 12	3W Warm white effect
	Program 13	3W Warm white effect
	Program 14	3W Warm white effect
	Program 15	5050 LED effect
	Program 16	5050 LED effect
	Program 17	5050 LED effect
	Program 18	5050 LED effect
	Program 19	5050 LED effect
	Program 20	5050 LED effect
	Program 21	5050 LED effect
	Program 22	5050 LED effect
	Program 23	5050 LED effect
	Program 24	5050 LED effect
	Program 25	5050 LED effect
	Program 26	5050 LED effect
	Program 27	5050 LED effect
	Program 28	5050 LED effect
Program 29	5050 LED effect	

	Program 30	All program run together
SLAVE	NO YES	Slave-setting
SOUND	PROGRAM: 01 – 10	Program selection

DMX Channel function and values:

10 DMX Channels:

Channel	Value	Function	Comments
1CH	0-255	Dimmer	
2CH	0-255	Strobe	
3CH	0-255	RED	
4CH	0-255	GREEN	
5CH	0-255	BLUE	
6CH	0-255	WARM WHITE LED ALL	
7CH	0-17	Program 1	Warm white LED
	18-34	Program 2	
	35-51	Program 3	
	52-68	Program 4	
	69-85	Program 5	
	86-102	Program 6	
	103-119	Program 7	
	120-136	Program 8	
	137-153	Program 9	
	154-170	Program 10	
	171-187	Program 11	
	188-204	Program 12	
	205-221	Program 13	
	222-238	Program 14	
239-255	Program auto		
8CH	0-17	Program 1	5050 LED
	18-34	Program 2	
	35-51	Program 3	
	52-68	Program 4	
	69-85	Program 5	
	86-102	Program 6	
	103-119	Program 7	
	120-136	Program 8	

	137-153	Program 9	
	154-170	Program 10	
	171-187	Program 11	
	188-204	Program 12	
	205-221	Program 13	
	222-238	Program 14	
	239-255	Program auto	
9CH	0-255	Speed	From slow to fast
10CH	0-255	Sound Control	255 Sound Control

45 DMX Channels:

Channel	Value	Function	Comments
1CH	0-255	Dimmer	
2CH	0-255	Strobe	
3CH	0-17	Program 1	Warm white LED
	18-34	Program 2	
	35-51	Program 3	
	52-68	Program 4	
	69-85	Program 5	
	86-102	Program 6	
	103-119	Program 7	
	120-136	Program 8	
	137-153	Program 9	
	154-170	Program 10	
	171-187	Program 11	
	188-204	Program 12	
	205-221	Program 13	
	222-238	Program 14	
239-255	Program auto		
4CH	0-17	Program 1	5050 LED
	18-34	Program 2	
	35-51	Program 3	
	52-68	Program 4	
	69-85	Program 5	
	86-102	Program 6	
	103-119	Program 7	
	120-136	Program 8	
	137-153	Program 9	

	154-170	Program 10	
	171-187	Program 11	
	188-204	Program 12	
	205-221	Program 13	
	222-238	Program 14	
	239-255	Program auto	
5CH	0-255	Speed	From slow to fast
6CH	0-255	Sound Control	255 Sound Control
7CH	0-255	Warm White LED 1	3W WARM WHITE
8CH	0-255	Warm White LED 2	
9CH	0-255	Warm White LED 3	
10CH	0-255	Warm White LED 4	
11CH	0-255	Warm White LED 5	
12CH	0-255	Warm White LED 6	
13CH	0-255	Warm White LED 7	
14CH	0-255	Warm White LED 8	
15CH	0-255	Warm White LED 9	
16CH	0-255	Warm White LED 10	
17CH	0-255	Warm White LED 11	
18CH	0-255	Warm White LED 12	
19CH	0-255	Warm White LED 13	
20CH	0-255	Warm White LED 14	
21CH	0-255	Warm White LED 15	
22CH	0-255	Warm White LED 16	
23CH	0-255	Warm White LED 17	
24CH	0-255	Warm White LED 18	
25CH	0-255	Warm White LED 19	
26CH	0-255	Warm White LED 20	
27CH	0-255	Warm White LED 21	
28CH	0-255	Warm White LED 22	
29CH	0-255	Warm White LED 23	
30CH	0-255	Warm White LED 24	
31CH	0-255	Warm White LED 25	
32CH	0-255	Warm White LED 26	
33CH	0-255	Warm White LED 27	
34CH	0-255	Warm White LED 28	
35CH	0-255	Warm White LED 29	
36CH	0-255	Warm White LED 30	
37CH	0-255	Warm White LED 31	

38CH	0-255	Warm White LED 32	
39CH	0-255	Warm White LED 33	
40CH	0-255	Warm White LED 34	
41CH	0-255	Warm White LED 35	
42CH	0-255	Warm White LED 36	
43CH	0-255	RED 5050 ALL	
44CH	0-255	GREEN 5050 ALL	
45CH	0-255	BLUE 5050 ALL	

146 DMX Channels:

Channel	Value	Function	Comments
1CH	0-255	Dimmer	
2CH	0-255	Strobe	
3CH	0-255	Warm White LED 1	3W WARM WHITE
4CH	0-255	Warm White LED 2	
5CH	0-255	Warm White LED 3	
6CH	0-255	Warm White LED 4	
7CH	0-255	Warm White LED 5	
8CH	0-255	Warm White LED 6	
9CH	0-255	Warm White LED 7	
10CH	0-255	Warm White LED 8	
11CH	0-255	Warm White LED 9	
12CH	0-255	Warm White LED 10	
13CH	0-255	Warm White LED 11	
14CH	0-255	Warm White LED 12	
15CH	0-255	Warm White LED 13	
16CH	0-255	Warm White LED 14	
17CH	0-255	Warm White LED 15	
18CH	0-255	Warm White LED 16	
19CH	0-255	Warm White LED 17	
20CH	0-255	Warm White LED 18	
21CH	0-255	Warm White LED 19	
22CH	0-255	Warm White LED 20	
23CH	0-255	Warm White LED 21	
24CH	0-255	Warm White LED 22	
25CH	0-255	Warm White LED 23	
26CH	0-255	Warm White LED 24	
27CH	0-255	Warm White LED 25	

28CH	0-255	Warm White LED 26	
29CH	0-255	Warm White LED 27	
30CH	0-255	Warm White LED 28	
31CH	0-255	Warm White LED 29	
32CH	0-255	Warm White LED 30	
33CH	0-255	Warm White LED 31	
34CH	0-255	Warm White LED 32	
35CH	0-255	Warm White LED 33	
36CH	0-255	Warm White LED 34	
37CH	0-255	Warm White LED 35	
38CH	0-255	Warm White LED 36	
39CH	0-255	RED 1	5050SMD SQAURE
40CH	0-255	GREEN 1	
41CH	0-255	BLUE 1	
42CH	0-255	RED 2	
43CH	0-255	GREEN 2	
44CH	0-255	BLUE 2	
45CH	0-255	RED 3	
46CH	0-255	GREEN 3	
47CH	0-255	BLUE 3	
144CH	0-255	RED 36	
145CH	0-255	GREEN 36	
146CH	0-255	BLUE 36	

468 DMX Channels:

Channel	Value	Function	Comments
1CH	0-255	Warm White LED 1	3W WARM WHITE
2CH	0-255	Warm White LED 2	
3CH	0-255	Warm White LED 3	
4CH	0-255	Warm White LED 4	
5CH	0-255	Warm White LED 5	
6CH	0-255	Warm White LED 6	
7CH	0-255	Warm White LED 7	
8CH	0-255	Warm White LED 8	
9CH	0-255	Warm White LED 9	
10CH	0-255	Warm White LED 10	
11CH	0-255	Warm White LED 11	

12CH	0-255	Warm White LED 12		
13CH	0-255	Warm White LED 13		
14CH	0-255	Warm White LED 14		
15CH	0-255	Warm White LED 15		
16CH	0-255	Warm White LED 16		
17CH	0-255	Warm White LED 17		
18CH	0-255	Warm White LED 18		
19CH	0-255	Warm White LED 19		
20CH	0-255	Warm White LED 20		
21CH	0-255	Warm White LED 21		
22CH	0-255	Warm White LED 22		
23CH	0-255	Warm White LED 23		
24CH	0-255	Warm White LED 24		
25CH	0-255	Warm White LED 25		
26CH	0-255	Warm White LED 26		
27CH	0-255	Warm White LED 27		
28CH	0-255	Warm White LED 28		
29CH	0-255	Warm White LED 29		
30CH	0-255	Warm White LED 30		
31CH	0-255	Warm White LED 31		
32CH	0-255	Warm White LED 32		
33CH	0-255	Warm White LED 33		
34CH	0-255	Warm White LED 34		
35CH	0-255	Warm White LED 35		
36CH	0-255	Warm White LED 36		
37CH	0-255	RED 1		5050SMD PIXEL
38CH	0-255	GREEN 1		
39CH	0-255	BLUE 1		
40CH	0-255	RED 2		
41CH	0-255	GREEN 2		
42CH	0-255	BLUE 2		
43CH	0-255	RED 3		
44CH	0-255	GREEN 3		
45CH	0-255	BLUE 3		
466CH	0-255	RED 144		5050SMD PIXEL
467CH	0-255	GREEN 144		
468CH	0-255	BLUE 144		

Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

1. The unit does not work, no light and the fan does not work
 - a. check the connection of power and main fuse.
 - b. Measure the mains voltage on the main connector.
 - c. Check the power on Led.
2. Not responding to DMX controller
 - a. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
 - b. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
 - c. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
 - d. Try to use another DMX controller.
 - e. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.
3. Some units don't respond to the easy controller
 - a. You may have a break in the DMX cabling. Check the LED for the response of the master/slave mode signal.
 - b. Wrong DMX address in the unit. Set the proper address.

4. One of the channels is not working well

- a. The stepper motor might be damaged or the cable connected to the PCB is broken.
- b. The motor's drive IC on the PCB might be out of condition

5. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates :damp,smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- a. Clean with soft cloth using normal glass cleaning fluid.
- b. Always dry the parts carefully.

Warranty

The LED Color Panel fixture is guaranteed against manufacturing defects for the duration of (2) years from the date of purchase.

This warranty does not cover the unit for evidence of physical shock or damage caused by abuse or any use not in accordance with the operating conditions set forth in the present user manual.

In addition, cosmetic defects caused by the normal wear and tear of the unit are not covered under the warranty.

Any modification to the fixture will void the warranty. We cannot under any circumstances be held liable for quality and conformity regarding the installation of this product, which is the responsibility of the installer. the device and before use, may be covered by the warranty.

The manufacturer is not responsible for any errors or omissions that may occur in this document. All information contained in this manual is subject to change without notice.