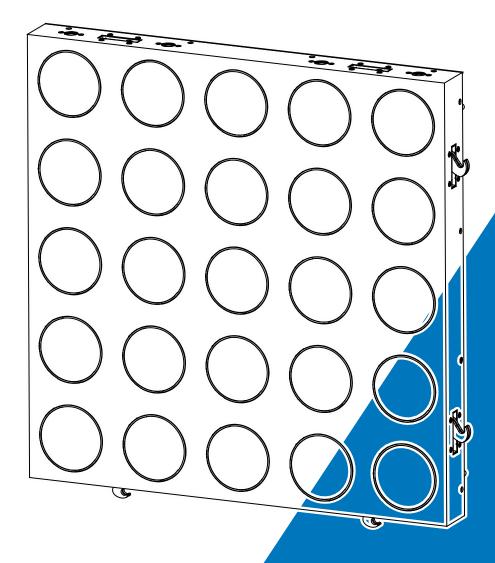


LED STAGE PANEL 25

LED-MTX25BIP



User Manual

Please read the instruction carefully before use

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## 1. Safety Instructions



Please read the instructions carefully which includes important information about the installation, operation and maintenance.

#### **WARNING**

- WARNING!
- WARNING! Please keep this User Manual for future consultation. If you sell the fixture to another user, be sure that they also receive this instruction booklet.
- Please unpack and check carefully there is no transportation damage before using the fixture.
- Please disconnect main power before servicing and maintenance.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- The maximum ambient temperature is Ta: 40°C. DO NOT operate it where the temperature is higher than this.
- DO NOT connect the device to any dimmer pack.
- The housing must be replaced if they are visibly damaged.
- Unit surface temperature may reach up to 85°C. Don't touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- There are no user serviceable parts inside the fixture. Do not open the housing or attempt any repairs by yourself. In the unlikely event your fixture may require service, please contact your nearest dealer.
- In the event of serious operating problem, stop using the fixture immediately. Never try to repair the fixture by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.



- DANGER! It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- DO NOT touch any wire during operation and there might be a hazard of electric shock.



• WARNING! DO NOT expose the fixture to rain or moisture, in order too prevent or reduce the risk of electrical shock or fire.



Do not look directly at the LED light beam while the fixture is on.

For AC 230V 50Hz power supply, the maximum fixtures that can be connected on one power cable is 12; For AC 120V 60Hz power supply, the maximum fixtures that can be connected on one power cable is 6.

## 2. Technical Specifications

- DMX 1/4/9/25/29 channels switchable.
- Smooth 0~100% dimming and variable strobe speeds.
- Two operation modes: DMX, Mater/Slave mode.
- Ideal for discotheques, clubs, bars, parties, Mobile DJs, ect.

Input Voltage: AC 100V~240V 50/60Hz

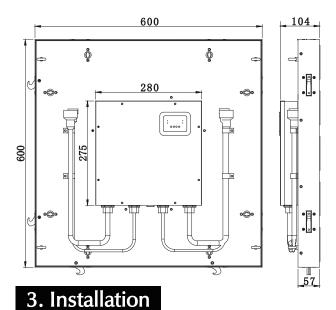
Power consumption: 69W

• **Fuse**: T15A

• **LED:** 25 x 3W WW LED

• **Dimension:** 600 x 600 x 104 mm

Weight: 12.5Kgs

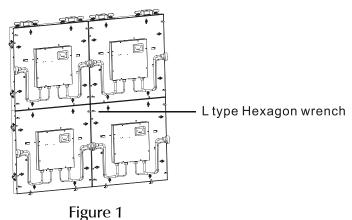


The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. 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.

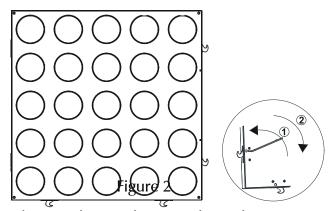
### 3.1 Fixture Jointing

Firstly, plug L type Hexagon wrench into the hole back of the fixture to fasten and locate two fixtures so that movement won't happen and jointing become more conveniently, please see figure 1 showed below:



Secondly, use L type Hexagon wrench to counter-clockwise rotate connection lock to the end until lock tongue returns back, for direction please see arrow ① showed in figure 2, and the

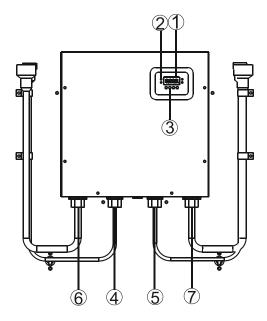
next step, use Hexagon wrench clockwise rotate connection lock to the end, see arrow ②.



The maximum fixtures that can be jointed together is 10.

## 4. How to set the unit

## 4.1 Rear Panel



① **Display:** Show the various menus and the selected functions

#### ② LED:

DMX	On	DMX input present
MASTER	On	Master Mode
SLAVE	On	Slave Mode

#### ③ Button:

MENU	To select the programming functions
DOWN	To go backward in the selected functions
UP	To go forward in the selected functions
ENTER	To confirm the selected functions

4 DMX input: For DMX512 link, use 3/5-pin XLR plug cable to input DMX signal.

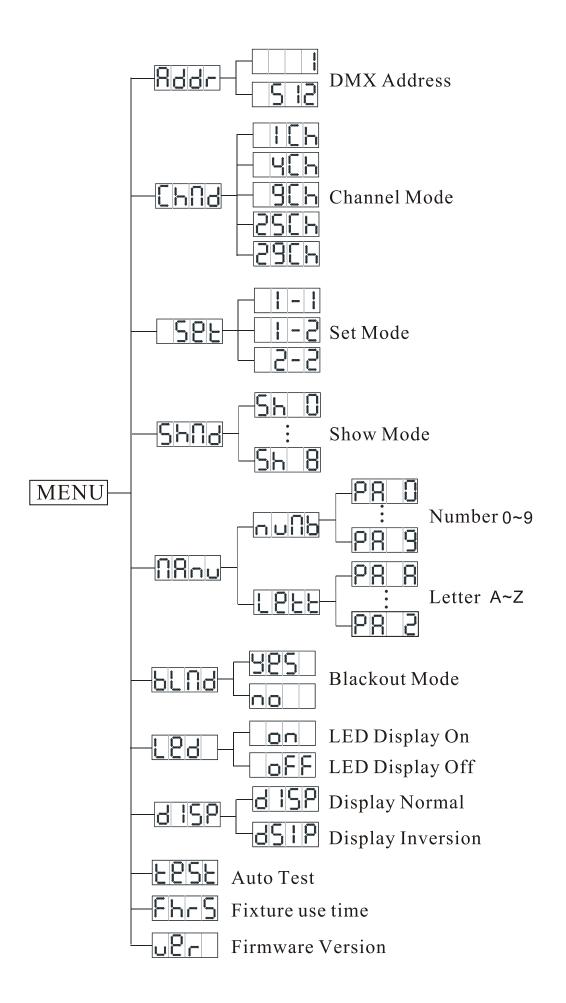
(5) **DMX output:** For DMX512 link, use 3/5-pin XLR plug cable to link the next unit.

**6** Mains input: Connect to supply mains power.

7 Mains output: Connect to supply mains power for the next unit.

#### 4.2 Main Function

To select any functions, press MENU button until the required one is shown on the display. Select the function by ENTER button and the display will blink. Use DOWN and UP button to change the mode. Once the required mode has been selected, press ENTER button to setup or it will automatically return to the main functions without any change after idling 30 seconds. Back to the functions without any change press MENU button. The main functions are shown below:



### DMX 512 Address

Select the Bddr, press the ENTER button and the display will blink. Use the DOWN and UP button to change the DMX 512 address. Once the address has been selected, press the ENTER button to setup or automatically exit menu mode without any change after 60 seconds. Back to the previous functions without any change press the MENU button.

### Channel Mode

Select the hold, press the ENTER button and the display will blink. Use the DOWN and UP button to select the hold (1 channel) or hold (4 channels) or hold (9 Channels) or hold (25 channels) or hold (29 Channels) mode. Once selected, press the ENTER button to setup or automatically exit menu mode without any change after 60 seconds. To go back to the functions without any change press the MENU button

## 58E Set Mode

Select the See, press the ENTER button and the display will blink. Use the DOWN and UP button to select the See, press the ENTER mode. Once selected, press the ENTER button to setup or automatically exit menu mode without any change after 60 seconds. To go back to the functions without any change press the MENU button.

## Show Mode

Select the 550d, press the ENTER button and the display will blink. Use the DOWN and UP button to select the 5500 (Random show) or 5500 (show 1) or 5500 (Show 2) or ... or 5500 (show 8). Once selected, press the ENTER button to store or automatically exit menu mode without any change after 60 seconds. To go back to the functions without any change press the MENU button

# Manual Mode

Select the Pana, press the ENTER button and the display will blink. Use the DOWN and UP button to select the Pana or...or press the ENTER button, then use the DOWN and UP button to select the Pana or...or press the ENTER button to store. If you select the Pana or...or press the ENTER button, use the DOWN and UP button to select the Pana or...or press the ENTER button, use the DOWN and UP button to select the Pana or...or press the ENTER button to setup or automatically exit menu mode without any change after 60 seconds. To go back to the functions without any change press the MENU button

### **Blackout Mode**

Select the button and the display will blink. Use the **DOWN** and **UP** button to select the button to select the button to setup or automatically exit menu mode without any change after 60 seconds. To go back to the functions without any change press the **MENU** button.

## LED display

Select the Led, press the ENTER button and the display will blink. Use the DOWN and UP button to select [LED display on] or [LED display off]. Once selected, press the ENTER button to setup or exit menu mode without any change after 60 seconds. Back to the functions without any change press the MENU button again.

## **BISP** Display Inverse

Select the 50, press the ENTER button and the display will blink. Press the ENTER button to change the display mode between 50 (Display normal) and 50 (Display inverse). Back to the functions without any change press the MENU button.

## **LESE** Auto Test

Select the EPSE, press the ENTER button and the unit will run the built-in programmer for Auto test. To go back to the functions press the MENU button.

## Fhr5 Fixture use time

Select the Fhrs, press the ENTER button and the display will show the number of working hours of the unit. To go back to the functions press the MENU button.

## Firmware version

Select the Press ENTER button and the display will show the version of software of the unit. To go back to the functions press the MENU button.

#### 5. How To Control The Unit

You can operate the unit in two ways:

- 1. By master/slave built-in preprogram function
- 2. By DMX controller

No need to turn the unit off when you change the DMX address, as new DMX address setting will be affected at once. Each time you turn the unit on, it will show "DEES" on the display.

After that the unit will be ready to receive DMX signal or run the built in programs.

### 5.1 Master/Slave Built In Preprogrammed Function

By linking the units in master/slave connection, the first unit will control the other units to give an automatic, sound activated, synchronized light show. This function is good when you want an instant show. You have to set the first unit in master mode and select Show (random show), Show 1) or ...or Show (show 8). Its DMX input jack will have nothing plugged into it, and Its master LED will be constantly on and sound LED will flash to the music.

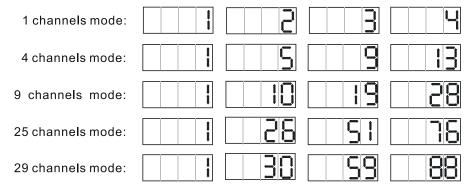
#### 5.2 DMX Controller

Using universal DMX controller to control the units, you have to set DMX address from 1 to

512 channel so that the units can receive DMX signal.

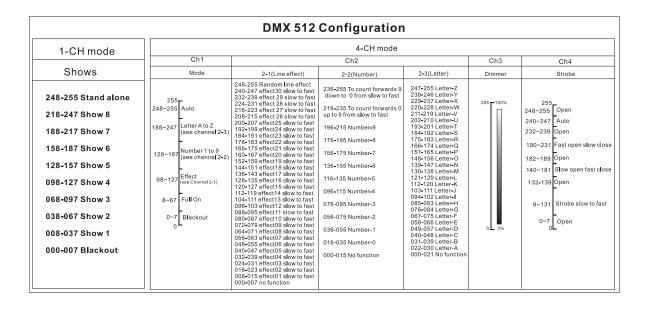
Press the MENU button up to when the Addr is showing on the display. Pressing the ENTER button and the display will blink. Use the DOWN and UP button to change the DMX512 address. Once the address has been selected, press and hold the ENTER button until the display stops blinking or storing automatically 8 seconds later. To go back to the functions without any change press the MENU button again.

If you use please refer to the following diagram to address your DMX512 channel for the first 4 /2 units.

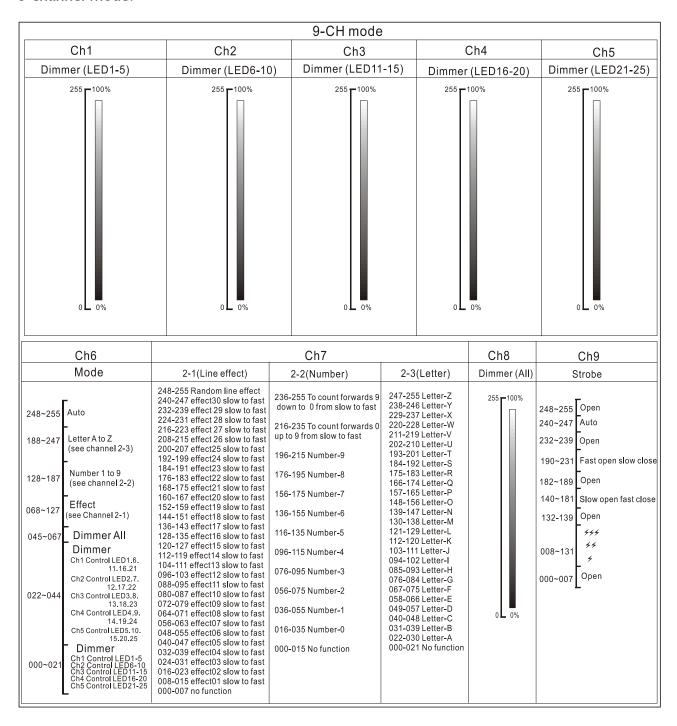


#### 5.3 DMX512 Configuration

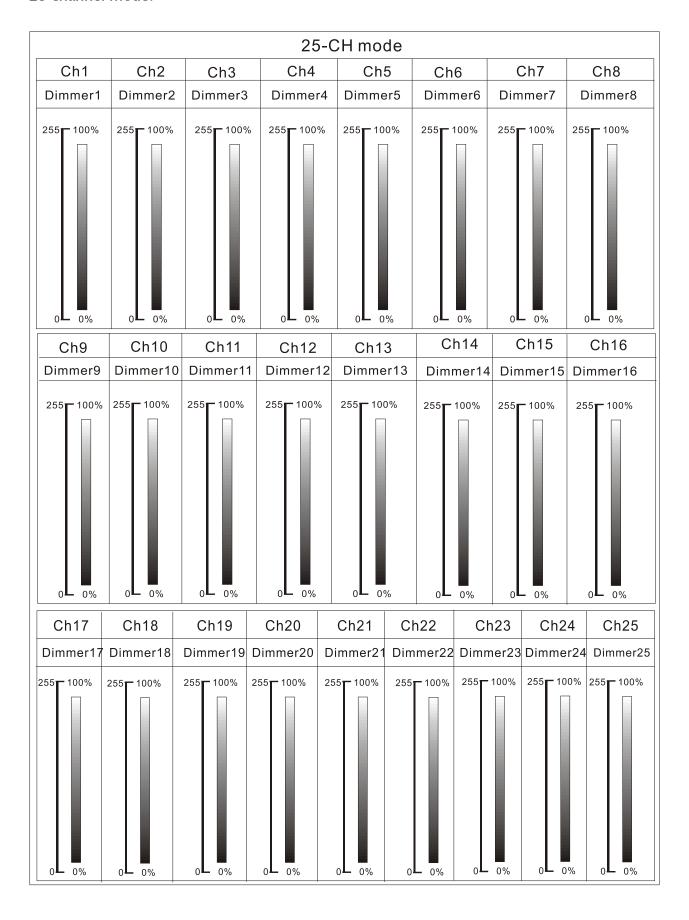
#### 1/4 channel mode:



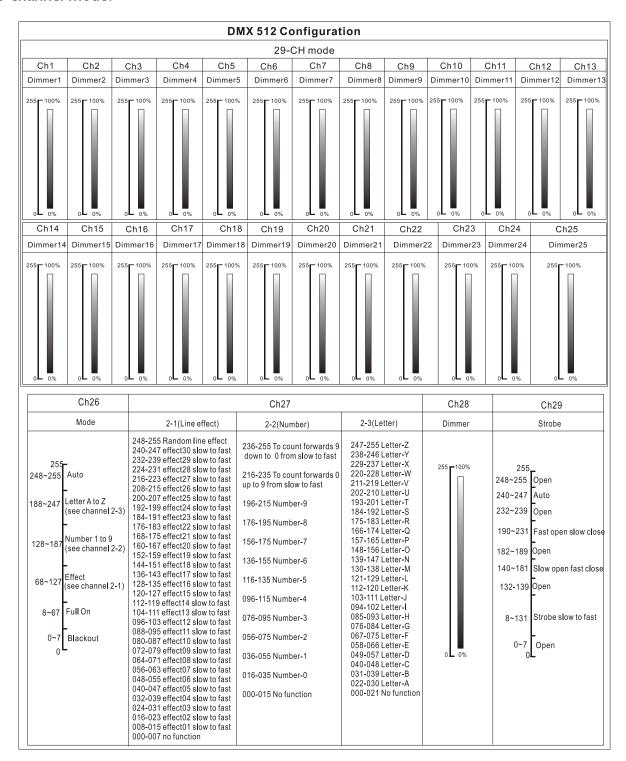
#### 9 channel mode:



#### 25 channel mode:

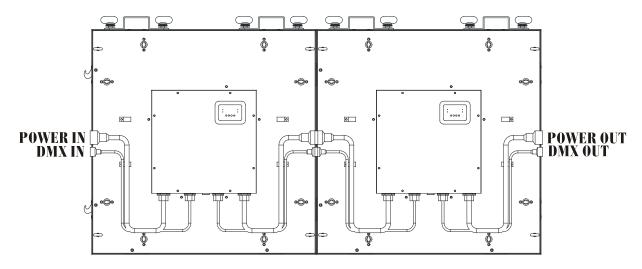


#### 29 channel mode:

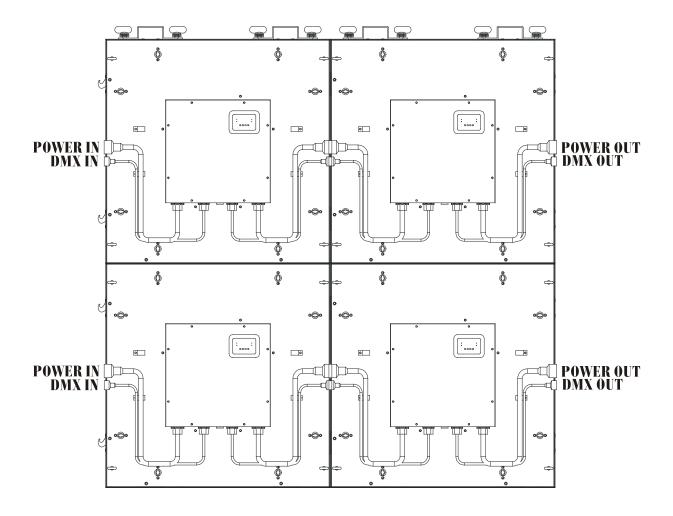


## 6. DMX512 Connections

# mode connection:



# mode connection:



1. Connect the fixture together in a "daisy chain" by XLR plug cable from the output of the

fixture to the input of the next fixture. The cable cannot be branched or split to a "Y"

cable. Inadequate or damaged cables, soldered joints or corroded connectors can easily

distort the signal and shut down the system

2. The DMX output and input connectors are pass-through to maintain the DMX circuit

when one of the units' power is disconnected.

3. At last fixture, the DMX cable has to be terminated with a terminator to reduce signal

errors. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a

3-pin XLR-plug and plug it in the DMX-output of the last fixture.

4. Each lighting fixture needs to have an address set to receive the data sent by the controller.

The address number is between 0-511 (usually 0 & 1 are equal to 1).

5. 3 pin XLR connectors are more popular than 5 pins XLR.

3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+),

Pin4/5: not used

7. Troubleshooting

Following are a few common problems that may occur during operation. Here are some

suggestions for easy troubleshooting:

A. The fixture does not work, no light

1. Check the connection of power and main fuse.

2. Measure the mains voltage on the main connector.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.

2. If the DMX LED is on and no response to the channel, check the address settings and

DMX polarity.

3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of

16C

the fixture or the previous one.

- 4. Try to use another DMX controller.
- 5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

#### C. One of the channels is not working well

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

## 8. Fixture Cleaning

The cleaning of internal 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 fixture's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

#### Fresnel lens:

Clean the lens with neutral soap and water, and then dry it with soft cloth. Be aware that alcohol or other detergent could cause damage to lens. Please note the lens would be burnt yellow or cracked after three-month use of average 8 hours per day, which can reduce the output in some degree. The lens is consumable with a warranty of three months only. Please change with genuinely new lens when necessary.

### **Declaration of Conformity**

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 2004/108/EC.

EN55103-1: 2009 ; EN55103-2: 2009; EN61000-3-2: 2006 + A1:2009 + A2:2009; EN61000-3-3: 2008.

#### Harmonized Standard

EN 60598-1:2008 + All:2009; EN 60598-2-17:1989 + A2:1991; EN 62471:2008; EN 62493: 2010 Safety of household and similar electrical appliances Part 1: General requirements Innovation, Quality, Performance