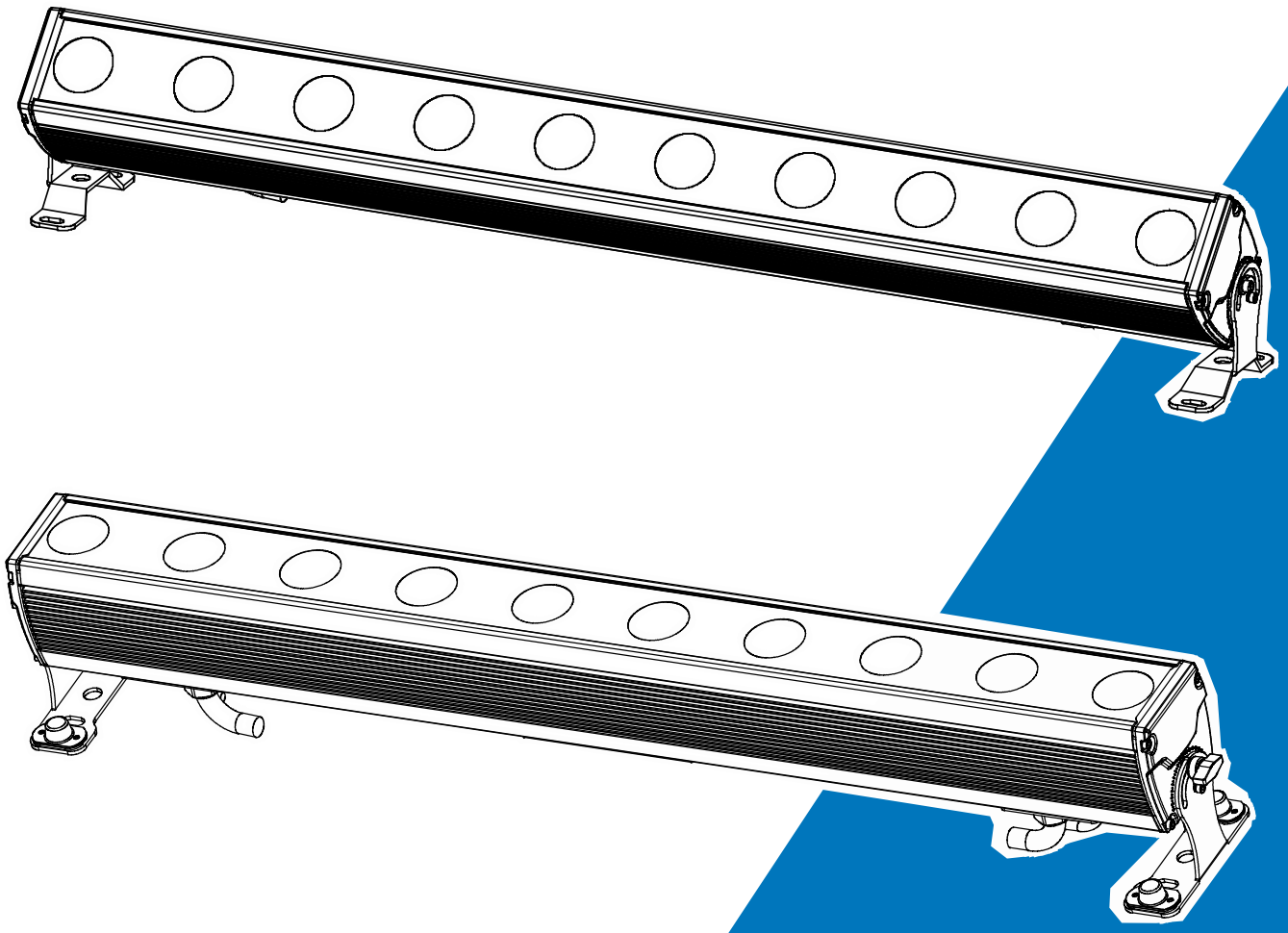
TOUR PIXEL BAR 1010 II



User Manual

Please read the instruction carefully before use

CONTENTS

1. Safety Instructions

Please read the instruction carefully which includes important information about the installation, usage and maintenance.

WARNING

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

- Unpack and check carefully that there is no transportation damage before using the unit.
- This product is suitable for indoor use and wet locations. Do not immerse in water.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- 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, otherwise the unit will be overheated.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA: 0℃. Maximum ambient temperature TA: 40℃.
- DO NOT connect the device to any dimmer pack.
- During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, and it will decrease gradually within 15 minutes.
- Make sure there are no flammable materials close to the unit while operating to avoid fire hazard.
- Examine the power wires carefully; replace them immediately if there is any damage.
- Unit's surface temperature may reach up to 70℃. DO NOT touch the housing bare-handed during its operation.

- Avoid any inflammable liquids, water or metal objects entering the unit. Once it happens, cut off the mains power immediately.
- DO NOT operate in dirty or dusty environment, do clean fixtures regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid power wires together twist other cables.
- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- DO NOT open the unit as there are no user serviceable parts inside.
- Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- Disconnect the mains power if the fixture is has not been used for a long time.
- DO use the original packing materials before transporting it again.
- DO NOT look directly at the light while the LED is on.
- DO NOT start on the unit without LED enclosure or when housing is damaged.

Installation:

The fixture should be mounted via its Omega Quick Release Clamp 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 fixtures weight. Always use a safety cable that can hold 12 times of the weight of the fixture when installing.

The equipment must be installed by professionals. It must be installed in a place where is out of the reach of people and no one can pass by or under it.

2. Technical Specifications

Power Voltage:

AC 100~240V, 50/60Hz

Power Consumption:

130W

Light Source:

10x15W RGBW LED

Beam Angle:

10°

Dimmer/Shutter:

0~100% smooth dimming, adjustable electronic strobe effect

Control:

DMX Channel: 4/5/7/40 Channels

Control Mode: DMX512

Firmware Upgrade: Update via DMX link

Construction:

Display: LED display

Data In/Out: 3-pin waterproof connector

Power In/Out: Power cord out

Protection Rating: IP65

Features:

Efficient LED lens, uniform color mixing, which makes the light effect better

LEDs can be controlled pixel by pixel

Equal distance design, horizontal stitching can achieve dynamic water effects, vertical stitching can achieve matrix effect

IP65 design is suitable for fixed installation or mobile performance

Moreover, the fixture can be adjusted to 180° backward and forward by double mounting brackets

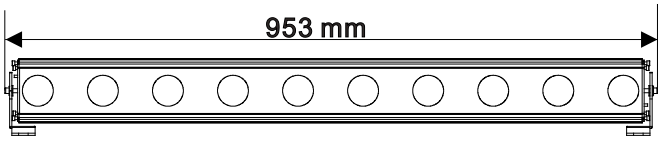
Adding the atomized paper, the full angle can reach 60 °, it can expand the effective wash range (optional)

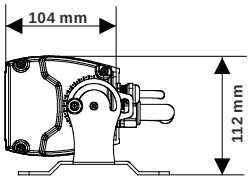
Extra installation of the barn door can prevent glare and stray light effectively (optional)

Dimensions/Weight:

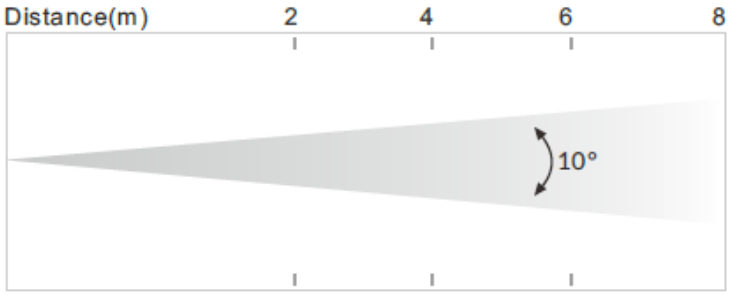
953x104x112mm, 10.6kgs

37.5"x4.1"x4.4"in, 23.4lbs





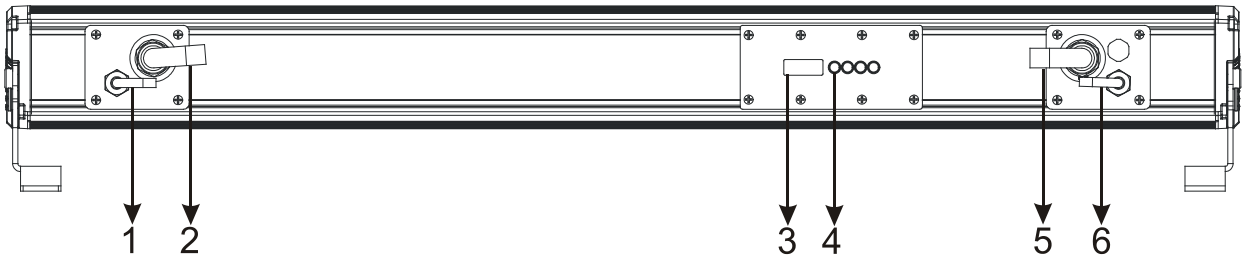
Photometrics Diagram:



(TB-1010QW II)				
10° Lux	9,227	4,374	1,025	577
Diameter(m)	0.32	0.63	0.96	1.28
(TB-1010QW II T)				
10° Lux	3,783	945	420	236
Diameter(m)	0.53	1.06	1.59	2.12

3. How To Set The Unit

3.1 Control Panel



1. DMX IN:

Water proof connectors for DMX512 operation, use 3-pin XLR cable to input DMX signal

2. POWER IN: Water proof connectors for power input

3. Function Display: To show the various menus and the selected functions

4. Button:

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

5. POWER OUT: Water proof connectors for power output

6. DMX OUT:

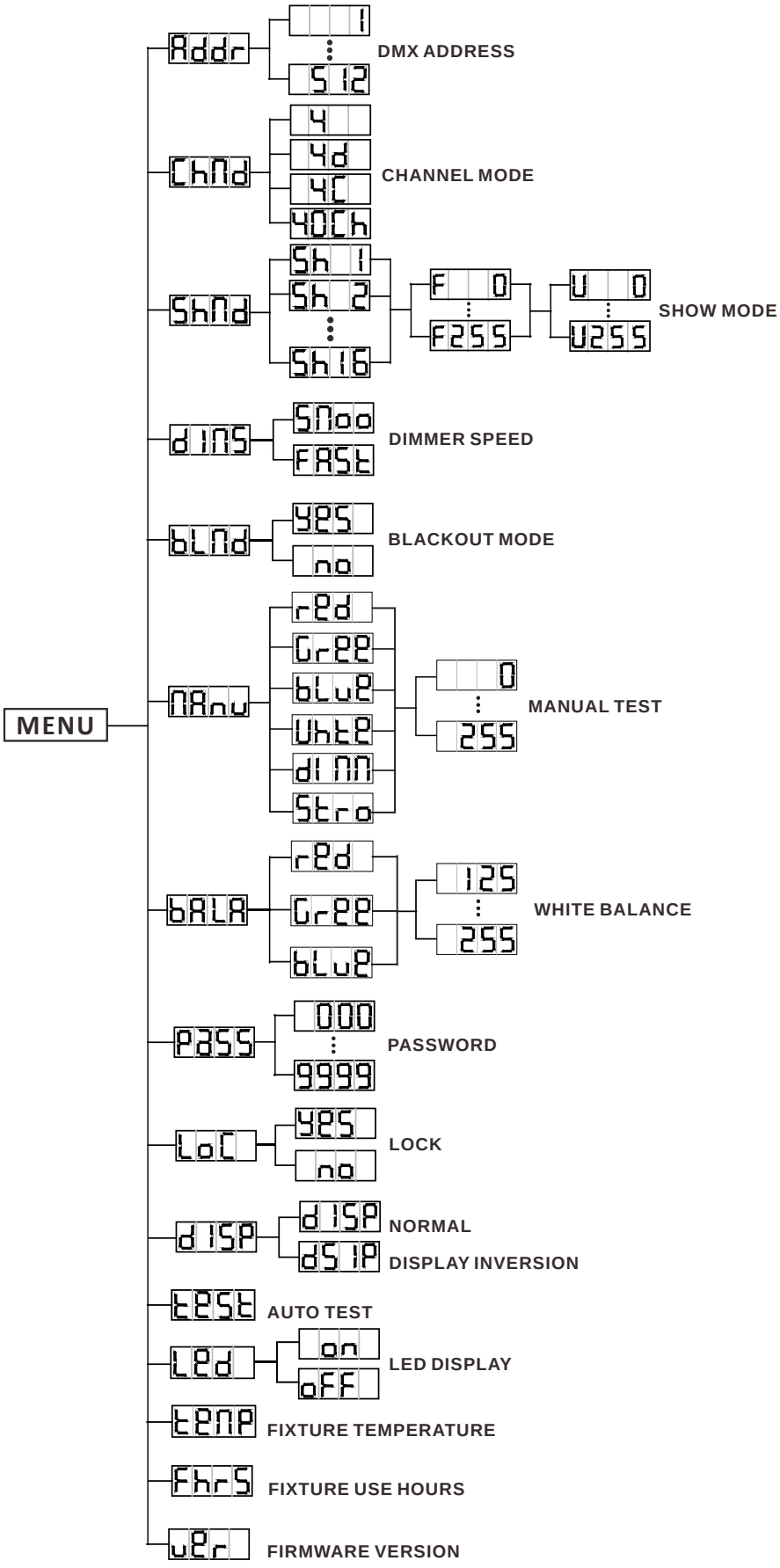
Water proof connectors for DMX512 operation, use 3-pin XLR cable to output DMX signal

3.2 Main Functions

To select any functions, press the **MENU** button until the required one is shown on the display. Select the function by the **ENTER** button and the display will blink. Use the **DOWN**/**UP** button to change the mode. Once the required mode has been selected, press the **ENTER** button to setup or it will automatically return to the main functions without any change after idling 7 seconds. Back to the functions without any change press the **MENU** button.

The main functions are shown below:

Once you set Loc to YES, after running in show mode for 5 minutes without any change or restarting the unit, the key board become locked. Press the ENTER button to enable the menu, the display will show 0, press the UP/DOWN button until it shows 111, then press the ENTER to unlock.


MENU
Addr
001
512
DMX ADDRESS
ChNd
4
4d
4C
40Ch
CHANNEL MODE
ShNd
Sh 1
Sh 2
Sh16
F 0
F255
U 0
U255
SHOW MODE
dIMS
SNoo
FASt
DIMMER SPEED
bLNd
YES
no
BLACKOUT MODE
MANu
r2d
Gr22
bLu2
Uht2
dIMM
Stro
000
255
MANUAL TEST
bALA
r2d
Gr22
bLu2
125
255
WHITE BALANCE
PASS
0000
9999
PASSWORD
LoC
YES
no
LOCK
dISP
dISP
dSIP
NORMAL
DISPLAY INVERSION
tESt
AUTO TEST
Led
on
oFF
LED DISPLAY
tEMP
FIXTURE TEMPERATURE
FHrS
FIXTURE USE HOURS
u2r
FIRMWARE VERSION

DMX ADDRESS

To select Addr, press the **ENTER** button to show **DMX ADDRESS** on the display. Use the **DOWN**/**UP** buttons to adjust the address from 1 to 512. Once the address has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the menu mode.

CHANNEL MODE

To select ChnD, press the **ENTER** button to show **CHANNEL MODE** on the display. Use the **DOWN**/**UP** button to select **4**, **4D, 4C** or **40** channel modes. Once the mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the menu mode.

SHOW MODE

To select ShnD, press the **ENTER** button to show **SHOW MODE** on the display. Use the **DOWN**/**UP** buttons to select Sh 1 (show 1) or … Sh16 (show 16), and then press the **ENTER** button to confirm, the F 0 (fade time) will blink on the display, use the **DOWN**/**UP** button to adjust the fade time (0-255); and press the **ENTER** button again, the U 0 will blink to display, use the **DOWN**/**UP** button to adjust the wait time (0-255). Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the menu mode.

DIMMER SPEED

To select dIMS, press the **ENTER** button to show **DIMMER SPEED** on the display. Use the **DOWN**/**UP** button to select SMoo (smooth) or FASt (fast). Once the mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit

the menu mode.

bLnd BLACKOUT MODE

To select bLnd, press the **ENTER** button to show **BLACKOUT MODE** on the display. Use the **DOWN**/**UP** buttons to select yES (blackout) or no (normal) mode. Once the mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the current mode.

nAnu MANUAL TEST

To select nAnu, press the **ENTER** button to show **MANUAL TEST** on the display. Use the **DOWN**/**UP** button to select rEd (red), GrEE (green), bLuE (blue), WhtE (white), dIMM (dimmer) or Stro (strobe) on the display. Once the mode has been selected, press the **ENTER** button to confirm. Use the **DOWN**/**UP** buttons to specify a value for the chosen effect from **0** to **255**. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the menu mode.

bALA WHITE BALANCE

To select bALA, press the **ENTER** button to show **WHITE BALANCE** on the display. Use the **DOWN**/**UP** button to select rEd (red), GrEE (green) or bLuE (blue). Once selected, press the **ENTER** button to confirm .Use the **DOWN** /**UP** buttons to change its value (**125** to **255**). Once the address has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the menu mode.

 **PASSWORD**

To select  , press the **ENTER** button to show **PASSWORD** on the display. Use the **DOWN**/**UP** buttons to change the password (**000** to **9999**). Once the address has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the menu mode.

 **LOCK**

To select  , press the **ENTER** button to show **LOCK** on the display. Use the **DOWN**/**UP** buttons to select  (blackout) or (normal) mode. Once the mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the current mode.

 **DISPLAY INVERSE**

To select  , press the **ENTER** button to show **DISPLAY INVERSE** on the display. Use the **DOWN**/**UP** buttons to select  (normal) or  (inversion) mode. Once the mode has been selected, press the **ENTER** button to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the current mode.

 **AUTO TEST**

To select  , press the **ENTER** button to show **AUTO TEST** on the display and the unit will run a self-test . To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the current mode.

 **LED DISPLAY**

To select  , press the **ENTER** button to show **LED DISPLAY** on the display. Use the **DOWN/UP** button to select  (LED on) or  (LED off) mode. Once the mode has been selected, press the **ENTER** buttons to setup. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the current mode.

 **FIXTURE TEMPERATURE**

To select  , press the **ENTER** button to show the **FIXTURE TEMPERATURE** on the display and the display will show the temperature of the unit. To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the menu mode.

 **FIXTURE USE HOURS**

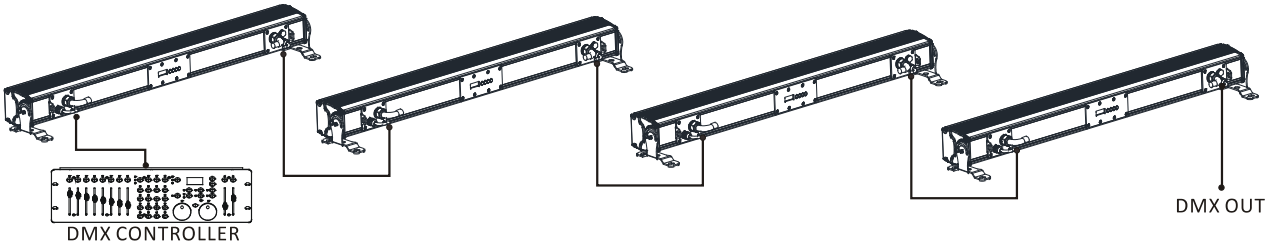
To select  , press the **ENTER** button to show **FIXTURE USE HOURS** on the display and the display will show the number of working hours of the unit . To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the current mode.

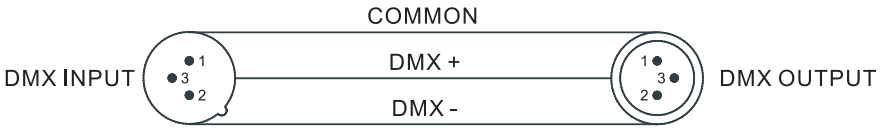
 **FIRMWARE VERSION**

To select  , press the **ENTER** button to show **FIRMWARE VERSION** on the display and the display will show the version of software of the unit . To go back to the functions without any changes press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for 7 seconds to exit the current mode.

4. Control By Universal DMX Controller

4.1 DMX512 Connections





Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal.
(Resistance 120 ohm 1/4W)between pin2(DMX-)and pin3(DMX+) of the last fixture.

1. At last unit, the DMX cable has to be terminated with a terminator. 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 unit.

2. Connect the unit together in a “daisy chain” by XLR plug cable from the output of the unit to the input of the next unit. The cable cannot be branched or split to a “Y” cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.

3. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units’ power is disconnected.

4. Each lighting unit needs to have a DMX address to receive the data by the controller. The address number is between 1-512.

5. The end of the DMX 512 system should be terminated to reduce signal errors.

6. 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 (+)

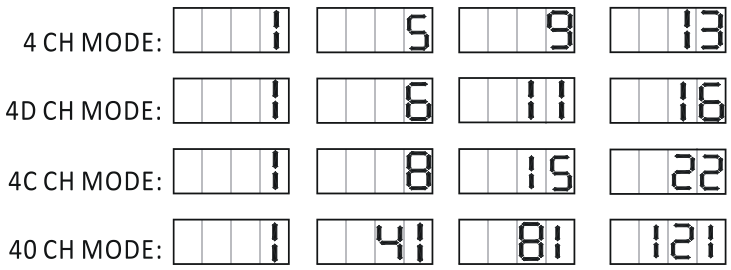
5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin4, Pin5 not used.

4.2 Address Setting

Use universal DMX controller to control the units, you have to set DMX address from 1 to 512 channels so that the units can receive DMX signal.

Press the **MENU** button, and the Addr will blink on the display. Use the **DOWN/UP** button to change the DMX512 address. Once the address has been selected, press and keep **ENTER** button pressed up to when the display stops blinking or storing automatically 7 seconds later. To go back to the functions without any change press the **MENU** button again.

Please refer to the following diagram to address your DMX512 channel for the first 4 units.



4.3 DMX512 Configurations

Please refer to below configurations to control the fixtures

Attentions:

1. The unit will maintain the last condition until reset if you cut-off the DMX signal.
2. For the channel Function, keep the value for about 3 seconds, then the corresponding function will take into effect.

4 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	**RED** 0%→100%
2	000-255	**GREEN** 0%→100%
3	000-255	**BLUE** 0%→100%
4	000-255	**WHITE** 0%→100%

5 Channels Mode: 4D

CHANNEL	VALUE	FUNCTION
1	000-255	**RED** 0%→100%
2	000-255	**GREEN** 0%→100%
3	000-255	**BLUE** 0%→100%
4	000-255	**WHITE** 0%→100%
5	000-255	**DIMMER** 0%→100%

7 Channels Mode: 4C

CHANNEL	VALUE	FUNCTION
1	000-255	**RED** 0%→100%
2	000-255	**GREEN** 0%→100%
3	000-255	**BLUE** 0%→100%
4	000-255	**WHITE** 0%→100%
5		**COLOR**
	000-007	OFF
	008-015	Color 1
	016-023	Color 2
	024-030	Color 3
	031-038	Color 4
	039-046	Color 5
	047-054	Color 6
	055-061	Color 7
	062-069	Color 8
	070-077	Color 9
	078-085	Color 10
	086-092	Color 11
	093-100	Color 12
	101-108	Color 13
	109-116	Color 14

	117-123	Color 15
	124-131	Color 16
	132-140	Color 17
	140-147	Color 18
	148-154	Color 19
	155-162	Color 20
	163-170	Color 21
	171-178	Color 22
	179-185	Color 23
	186-193	Color 24
	195-201	Color 25
	202-209	Color 26
	210-216	Color 27
	217-224	Color 28
	225-232	Color 29
	233-240	Color 30
	241-247	Color 31
	248-255	Color 32
6		**DIMMER**
	000-255	0%→100%
7		**STROBE**
	000-007	OFF
	008-015	Open
	016-131	Strobe, slow to fast
	132-139	Open
	140-181	Slow open, fast close
	182-189	Open
	190-231	Slow close, fast open
	232-239	Open
	240-247	Random strobe
	248-255	Open

40 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	**RED1** 0%→100%
2	000-255	**GREEN1** 0%→100%
3	000-255	**BLUE1** 0%→100%
4	000-255	**WHITE1** 0%→100%
5	000-255	**RED2** 0%→100%
6	000-255	**GREEN2** 0%→100%
7	000-255	**BLUE2** 0%→100%
8	000-255	**WHITE2** 0%→100%
…	…	**…**
37	000-255	**RED10** 0%→100%
38	000-255	**GREEN10** 0%→100%
39	000-255	**BLUE10** 0%→100%
40	000-255	**WHITE10** 0%→100%

5. Troubleshooting

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

A. The unit does not work, no light and the fan does not work

1. Check the connection of power.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. Check DMX connectors and cables to see if link properly.
2. Check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit 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.

6. Fixture Cleaning

The cleaning 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.

- 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 days.

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 2014/30/EU.

EN 55032: 2015; EN61000-3-2: 2014;
EN 61000-3-3: 2013; EN 55103-2: 2009.

&

Harmonized Standard

EN 60598-1: 2015; EN 60598-2-17: 1989+A2:1991;
EN 62493: 2015.
Safety of household and similar electrical appliances
Part 1: General requirements

Innovation, Quality, Performance