



LED House Light

Warm White COB LED House Light

SHOWPRO

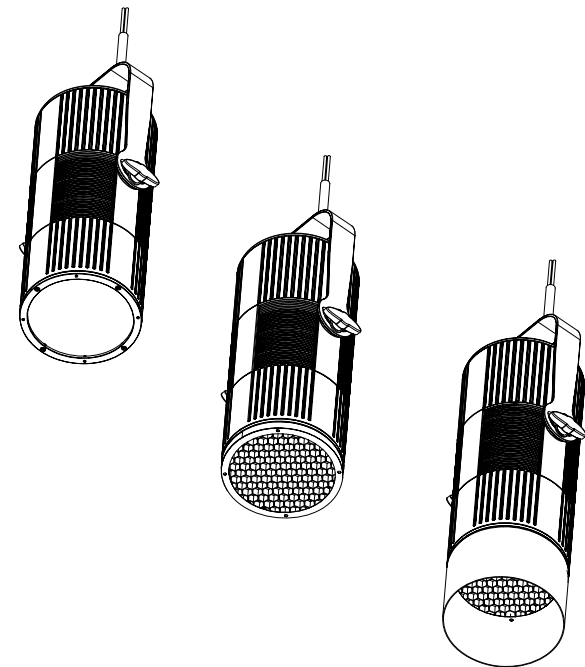


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LED House Light
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INTRODUCTION

This LED House Light produces a consistent warm white output from a state-of-the-art COB LED source suitable for live and broadcast applications.

FEATURES

- Silent operation due to advanced convection cooled design
- Adjustable PWM frequency ensures flicker-free, camera-safe performance
- Removable yoke and permanent cable anchor for pendant suspension mounting
- Three Interchangeable lenses to match beam angle to mounted height
- Optional Egg crate diffuser and Top hat accessories
- Ultra-smooth dimming
- DMX, RDM control

SPECIFICATIONS

Light Source:	230W COB LED
White Color Temperature:	3160K
CRI:	93
Lens options:	15°, 30°, 42°
Photometrics:	See photometrics chart
Strobe:	0-25Hz and strobe FX macros
Dimming:	4 dimming curve modes
Control:	DMX
DMX Channels:	2 / 3 / 5
Display:	OLED menu display
Mains:	100 - 240 VAC, 50/60 Hz
Consumption:	120W
Power connections:	Hard-wired
Data connections:	5-pin XLR and terminal blocks for DMX
Housing:	White or Black
IP rating:	IP20
Cooling:	Convection (fanless)
Dimensions (diameter):	162mm
Length:	442mm
Length with Egg crate:	455mm
Length with Egg crate + Top hat:	542mm
Weight:	6.3 KG

ORDER CODES

LEDPAR330 LED House Light White WW
LEDPAR331 LED House Light Black WW

Optional accessories:
LEDPAR335 LED House Light Crate Black
LEDPAR336 LED House Light Top Hat White
LEDPAR337 LED House Light Top Hat Black

3.14 FIXTURE SETTINGS

It is possible to change the following parameters:

Dimmer Mode

- Press the MENU button until **Dimmer Mode** is displayed, then press ENTER.
- Press UP/DOWN buttons to select **Off - Dimmer 1 - Dimmer 2 - Dimmer 3**.
- Press ENTER button to store, then press MENU to return to main menu.

BackLite

- To adjust the settings of the backlit menu display, press MENU until **Back Light** is shown.
- Press ENTER and then use UP/DOWN to select On or auto display off delay **On - 10S - 20S - 30S**
- Press ENTER button to confirm the selection, then press MENU to return to main menu.

LED Frequency

- To adjust the frequency of the LEDs, press the MENU button repeatedly until the display shows **LED Frequency**, and then press the ENTER button.
- Select the frequency (**600 Hz - 25 kHz**) using the UP/DOWN buttons.
- To confirm, press the ENTER key, then press MENU to return to main menu

3.15 FIXTURE INFORMATION

Fixture Hours

Show the fixture working hours.

- Press the button MENU so many times until shows **Information**. Press the button ENTER to confirm
- Using the button UP/DOWN to select **Fixture Hours**, then press the button ENTER to confirm
- Then the display will show the working hours. Press MENU to return to main menu

Version

Show the fixture firmware version.

- Press the button MENU so many times until shows **Information**
- Select through the button UP/DOWN the **Version** menu voice.
- The display will show the firmware data. Press MENU to return to main menu

Temperature

- To read the value of the internal temperature of the device, press the MENU button repeatedly until the display shows **Temperature**, and then press the ENTER button to read the value.
- Press the MENU button to go back or wait a few seconds to exit the setup menu.

Auto / Test

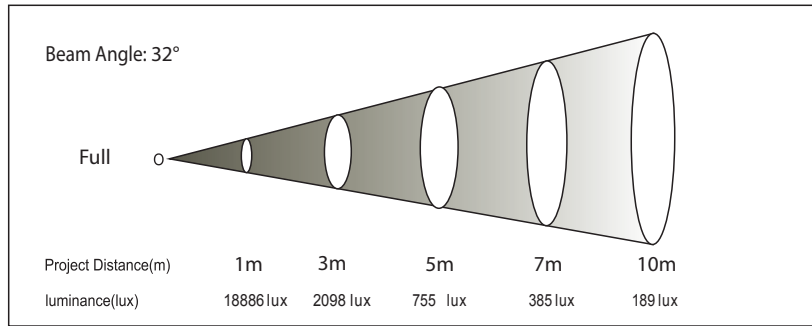
- To initiate the Auto Test function, press the MENU button repeatedly until **Auto** is displayed, then press ENTER to until **Test** is displayed, then press ENTER to run the Auto Test program.
- Press the MENU button to go back or wait a few seconds to exit the setup menu.

Emergency Mode

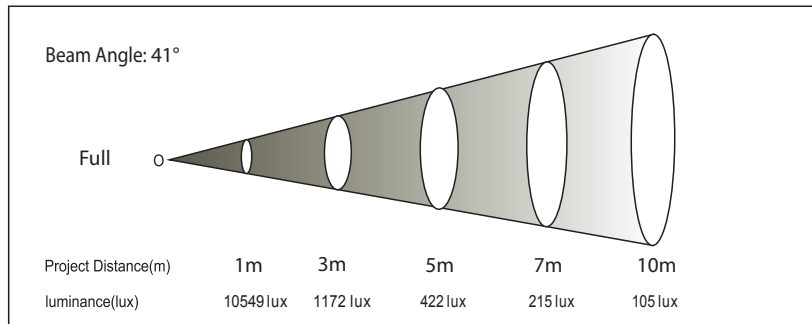
- When Emergency Mode is ON, no action is taken if the DMX signal is lost.
- When Emergency Mode is OFF, the fixture will turn on when DMX signal is lost.

3.13 PHOTOMETRICS (cont'd)

30° lens installed



42° lens installed



- 1.2 - MAINTENANCE

MAINTENANCE AND CLEANING THE UNIT

- Make sure the area below the installation place is free from unwanted persons during setup.
- Switch off the unit, unplug the main cable and wait until the unit has cooled down.
- All screws used for installing the device and any of its parts should be tightly fastened and should not be corroded.
- Housings, fixations and installation spots (ceiling, trusses, suspensions) should be totally free from any deformation.
- The main cables must be in impeccable condition and should be replaced immediately even when a small problem is detected.
- It is recommended to clean the front at regular intervals, from impurities caused by dust, smoke, or other particles to ensure that the light is radiated at maximum brightness. For cleaning, disconnect the main plug from the socket. Use a soft, clean cloth moistened with a mild detergent. Then carefully wipe the part dry. For cleaning other housing parts use only a soft, clean cloth. Never use a liquid, it might penetrate the unit and cause damage to it.

FUSE REPLACEMENT

1. Disconnect this product from the power outlet.
2. Using a screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse and replace with a good fuse of the same type and rating (250V/T2A).
4. Screw the fuse holder cap back in place and reconnect power.

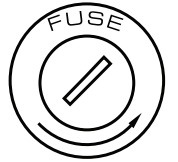


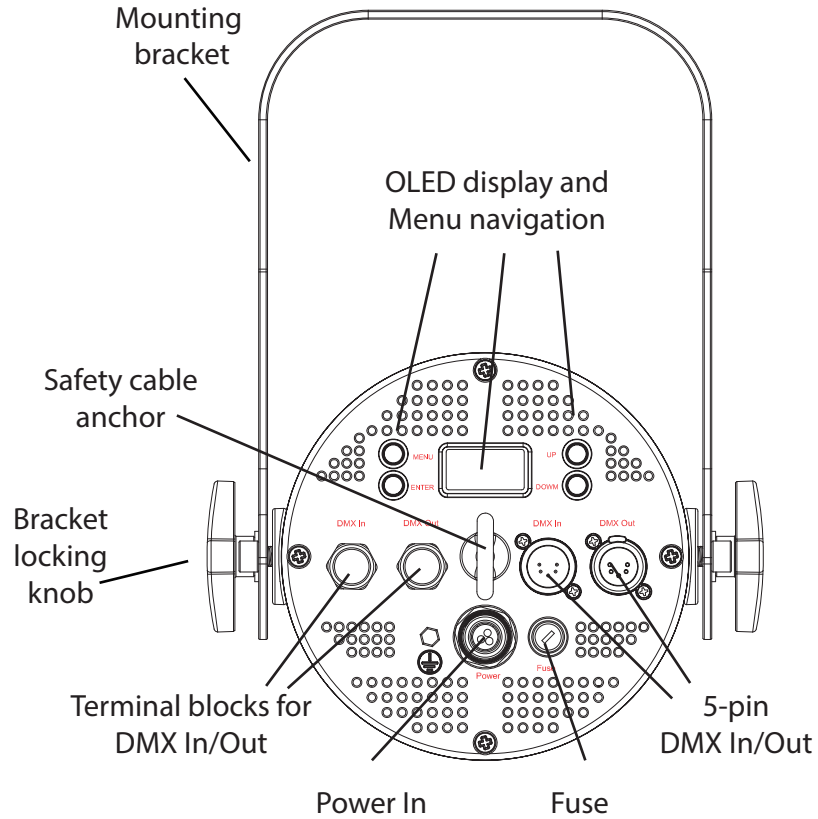
Fig.8

TROUBLESHOOTING

Problems	Possible causes	Checks and remedies
Fixture does not light up	<ul style="list-style-type: none"> • No mains supply • Dimmer fader set to 0 • All color faders set to 0 • Faulty LED • Faulty LED board 	<ul style="list-style-type: none"> • Check the power supply voltage • Increase the value of the dimmer channels • Increase the value of the color channels • Replace the LED board • Replace the LED board
General low light intensity	<ul style="list-style-type: none"> • Dirty lens assembly • Misaligned lens assembly 	<ul style="list-style-type: none"> • Clean the fixture regularly • Install lens assembly properly
Fixture does not power up	<ul style="list-style-type: none"> • No power • Loose or damaged power cord • Faulty internal power supply 	<ul style="list-style-type: none"> • Check for power on power outlet • Check power cord • Replace internal power supply
Fixture does not respond to DMX	<ul style="list-style-type: none"> • Wrong DMX addressing • Damaged DMX cables • Bouncing signals 	<ul style="list-style-type: none"> • Check control panel and unit addressing • Check DMX cables • Install terminator as suggested

Contact an authorized service center in case of technical problems or not reported in the table can not be resolved by the procedure given in the table.

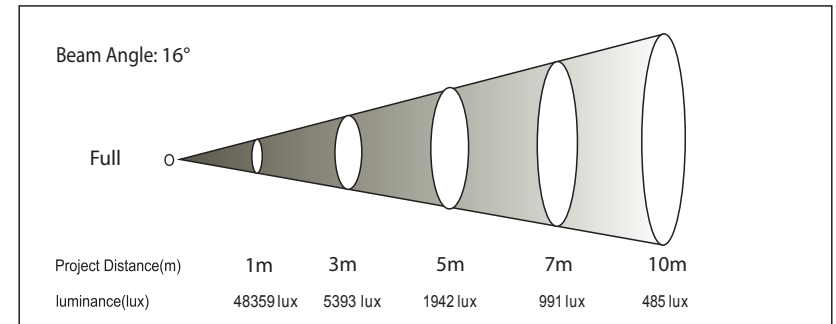
1.3 OPERATING ELEMENTS AND CONNECTIONS



3.13 PHOTOMETRICS

	Beam angle	Field angle	Lumens	Lux @ 5 meters
15° lens	16°	28°	7183	1942
15° lens + Egg crate :	14°	26°	4505	1771
15° lens + Top hat	15°	26°	5789	1972
15° lens + Top hat + Egg crate :	14°	25°	4170	1891
30° lens	32°	49°	6784	755
30° lens + Egg crate:	24°	45°	4182	688
30° lens + Top hat	28°	42°	4726	743
30° lens + Top hat + Egg crate :	23°	39°	3349	709
42° lens	41°	71°	6565	422
42° lens + Egg crate	30°	61°	3602	392
42° lens + Top hat	32°	52°	3782	429
42° lens + Top hat + Egg crate :	26°	46°	2519	405

15° lens installed



3.12 DMX CONTROL

2 CHANNEL MODE

	Function	Value	Percent/Setting
1	Dimmer	000-255	0~100%
2	LED Frequency	000-010	Preset LED Frequency from display menu
		011-050	600Hz
		051-100	1200Hz
		101-150	2000Hz
		151-200	4000Hz
		201-255	25KHz

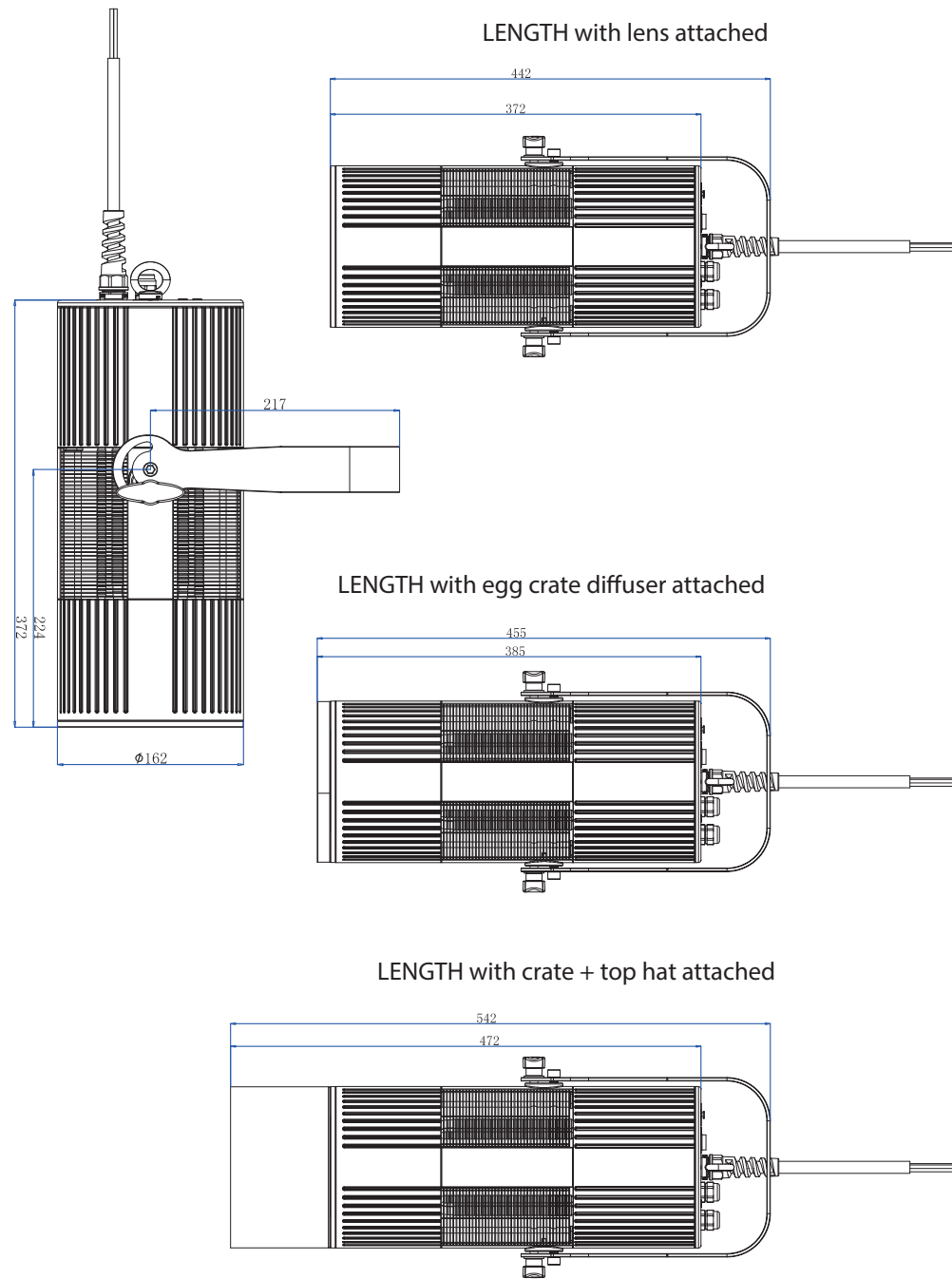
3 CHANNEL MODE

	Function	Value	Percent/Setting
1	Dimmer-H	000-255	0~100%
2	Dimmer-L	000-255	0~100% (16 bit)
3	LED Frequency	000-010	Preset LED Frequency from display menu
		011-050	600Hz
		051-100	1200Hz
		101-150	2000Hz
		151-200	4000Hz
		201-255	25KHz

5 CHANNEL MODE

	Function	Value	Percent/Setting
1	Dimmer-H	000-255	0~100%
2	Dimmer-L	000-255	0~100% (16 Bit)
3	Strobe Rate	000-005	No function
		006-255	Strobe slow to fast
4	Strobe FX	000-005	No effect
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
5	LED Frequency	215-255	Spikes
		000-010	Preset LED Frequency from display menu
		011-050	600Hz
		051-100	1200Hz
		101-150	2000Hz
		151-200	4000Hz
		201-255	25KHz

2.1 DIMENSIONS



- 2 - INSTALLATION

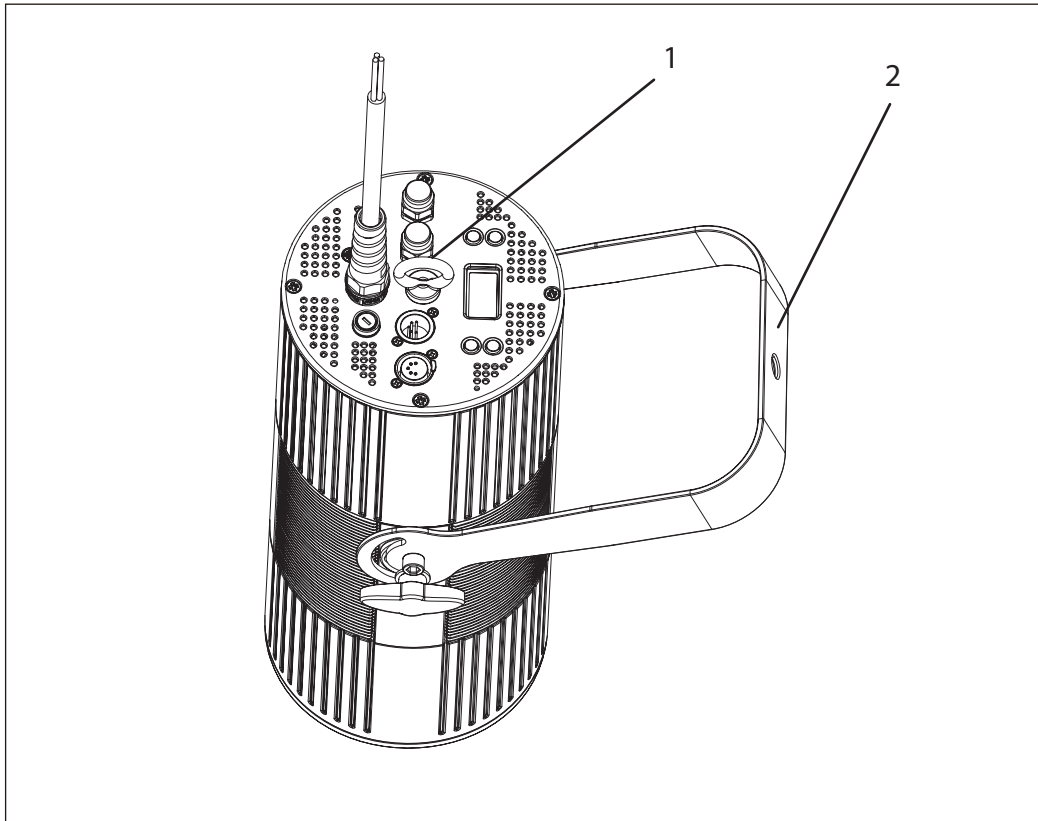
2.2 MOUNTING

This fixture may be mounted in two ways:

Pendant mounting: To suspend the fixture vertically, attach a suspension cable directly to the anchor located at the center of the back panel (1). In this configuration, the mounting bracket (2) should be removed.

Clamp mounting: To mount the fixture overhead with a clamp, attach a mounting clamp to the mounting bracket (2). In this configuration, a safety cable should also be attached to the anchor (1) as safety measure to prevent the fixture from accidentally falling.

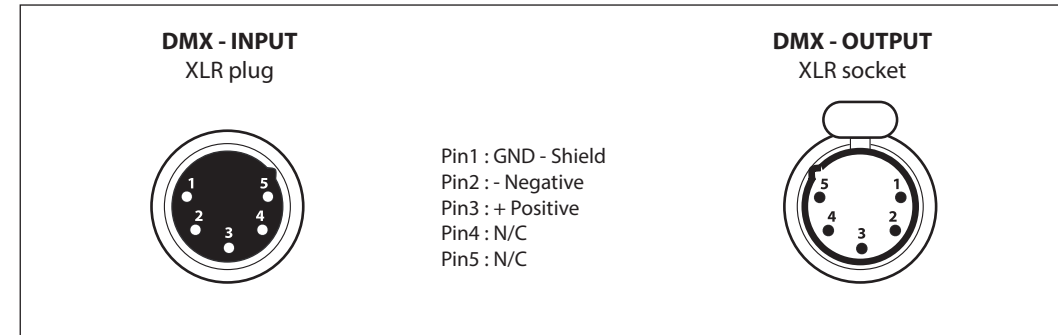
All mounting clamps and cables should be properly rated to bear the weight of the fixture.



3.10 CONNECTION OF THE DMX LINE

DMX connection employs standard XLR connectors. Use shielded pair-twisted cables with 120Ω impedance and low capacity.

The following diagram shows the connection mode:



ATTENTION

The screened parts of the cable (sleeve) must never be connected to the system's earth, as this would cause faulty fixture and controller operation.

Over long runs can be necessary to insert a DMX level matching amplifier.

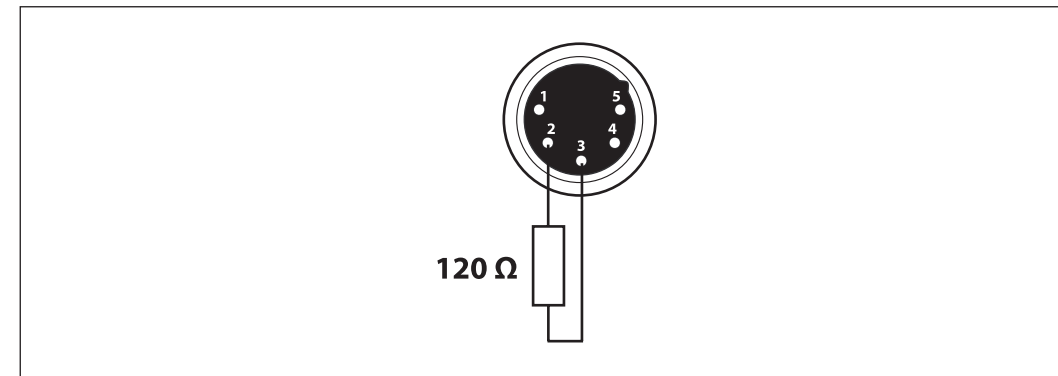
For those connections the use of balanced microphone cable is not recommended because it cannot transmit control DMX data reliably.

- Connect the controller DMX input to the DMX output of the first unit.
- Connect the DMX output to the DMX input of the following unit. Connect again the output to the input of the following unit until all the units are connected in chain.
- When the signal cable has to run longer distance is recommended to insert a DMX termination on the last unit.

3.11 CONSTRUCTION OF THE DMX TERMINATION

The termination avoids the risk of DMX 512 signals being reflected back along the cable when they reach the end of the line: under certain conditions and with certain cable lengths, this could cause them to cancel the original signals.

The termination is prepared by soldering a 120Ω 1/4W resistor between pins 2 and 3 of the 5-pin male XLR connector, as shown in figure.



3.8 DMX CONFIGURATION

This fixture offers three different DMX modes:

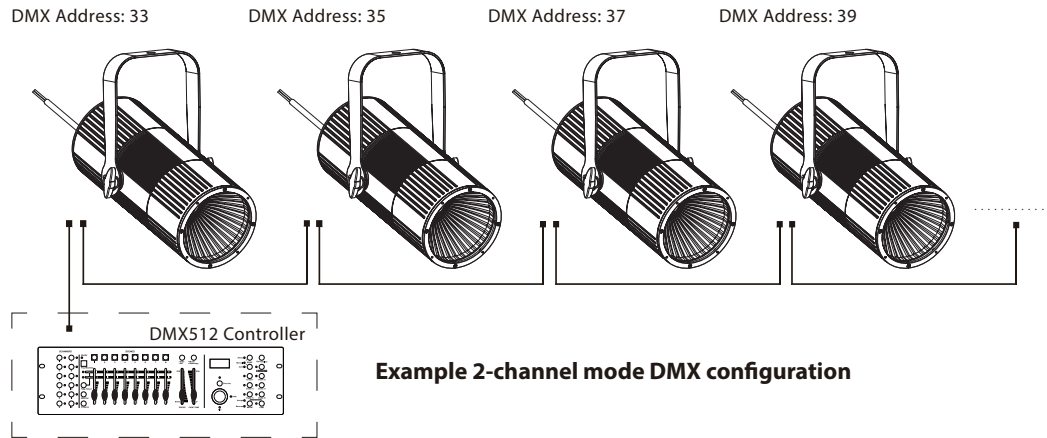
- Press the MENU button until **[DMX CHANNEL]** is displayed, then press the ENTER button to confirm.
- Select the desired DMX configuration (**2CH - 3CH - 5CH**) using the UP/DOWN buttons.

3.9 DMX ADDRESSING

- Press the MENU button until **[DMX ADDRESS]** is displayed, then press ENTER to confirm.
- Press UP/DOWN button to select the desired value (**001-512**). Press and hold to scroll quickly.
- Press the ENTER button to store.

An example configuration with the starting address of 33 in two-channel mode is shown below:

Number of DMX channels	Start address (example)	DMX Address occupied	Next possible start address for unit No. 1	Next possible start address for unit No. 2	Next possible start address for unit No. 3
2	33	33-34	35	37	39



- 3 - FUNCTIONS AND SETTINGS


3.1 OPERATION

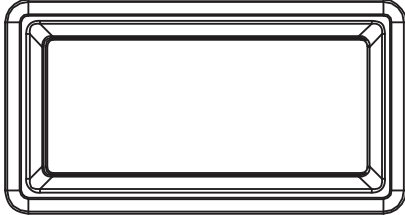
Wire the power cable to power (100~240V/50~60Hz) according to the below table:


Connection	Wire (U.S.)	Wire (Europe)	Screw color
AC Live	Black	Brown	Yellow or Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green


3.2 BASIC


Access control panel functions using the four panel buttons located adjacent to the OLED display.

MENU 



UP 

ENTER 

DOWN 

MENU	UP	DOWN	ENTER
Used to access the menu or to return a previous menu option	Navigates downwards through the menu list and increases the numeric value when in a function	Navigates upwards through the menu list and decreases the numeric value when in a function	Used to select and store the current menu or confirm the current function value or option within a menu

3.3 MENU STRUCTURE

Main Menu	Submenu	Submenu	Remark
Auto Show	<Auto 0>	<0 ~100>	Default: Auto 0; Speed: 100
	<Auto 1>	<0 ~100>	<i>Selects auto program and program speed</i>
	<Auto 2>	<0 ~100>	
	<Auto 3>	<0 ~100>	
Static	<Dimmer>	<0 ~255>	Default: Dimmer=255; Strobe=0
	<Strobe>	<0 ~ 255>	
Dimmer Mode	<Off>		Default: OFF
	<Dimmer 1>		<i>Dimmer 1 = fast dimming curve speed</i>
	<Dimmer 2>		<i>Dimmer 2 = medium dimming speed</i>
	<Dimmer 3>		<i>Dimmer 3 = slow dimming curve speed</i>
Back Light	<On>		Default: On
	<10S>		<i>10S = 10 second delay before display off</i>
	<20S>		<i>20S = 20 second delay before display off</i>
	<30S>		<i>30S = 30 second delay before display off</i>
Information	Auto	Test	<i>Turns on all LEDs in sequence for testing</i>
	Fixture Hours	<9999>	<i>Shows total fixture runtime</i>
	Version	<V1.0>	<i>Shows installed firmware version</i>
	UID:030F002FFFFF		<i>Unit ID</i>
DMX Address	1-512		Default: 001
DMX Channel	<2Ch>		Default: 5CH
	<3Ch>		
	<5Ch>		
Master/Slave	<Master>		Default: Slave
	<Slave>		
Temperature	xx°		<i>Displays fixture operating temperature</i>
LED Frequency	600Hz		Default: 1200HZ <i>Selects PWM frequency</i>
	1200 Hz		
	2000 Hz		
	4000 Hz		
	25KHz		
Emergency Mode	<On>		Default: On (<i>fixture turns on if DMX lost</i>)
	<Off>		

3.4 AUTO SHOW

If DMX control is not being used, the unit can run its onboard auto show programs:

- Press the MENU button until the display shows **Auto Show**, then press the ENTER button.
- Press the UP/DOWN buttons to switch between the show (**Auto 0 - 2**). The unit will operate in show mode.
- Use the UP/DOWN buttons to select the desired run speed slow-fast (**0-100**).
- Press the ENTER button to save the setting.

3.5 STATIC MODE

If DMX control is not being used, the dimming and strobe levels can be set using the onboard menu:

- To enable the static mode, press MENU repeatedly until **Static** shows on the display.
- Press the ENTER button.
- Select **Dimmer**, then press the ENTER button.
- Select the desired dimmer level (0~255) using the UP/DOWN buttons.
- Press the ENTER to save the dimmer setting.
- Follow similar steps to select and save **Strobe** settings.

3.6 MASTER/SLAVE MODE

This mode will allow you to link up the units together without a controller. Choose a unit to function as the Master. The unit must be the first unit in line; other units will work as slave with the same effect.

- Press the button MENU so many times until the display shows **Master/Slave** and press the button ENTER.
- Press UP/DOWN to set the unit as master or slave (**Master/Slave**).
- Select the desired program (see section 3.4).
- Use standard DMX cables to daisy chain your units together via the DMX connector on the rear of the unit. For longer cable runs, using a DMX terminator as described in this manual is recommended.

3.7 LINKING

Several units may be interconnected in order to control all further slave units to the same effect of the master unit.

1. Connect the DMX OUT of the master unit via 5-pin XLR cable to the DMX IN of the first slave unit.
2. Connect the DMX OUT of the first slave unit to the DMX IN of the second slave unit, etc. until all units are connected in a chain.