ACME

Glamour 350Z

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 for indoor use only. Use only in a dry location.
- 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 75℃. 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.

- The minimum distance between light output and the illuminated surface must be more than 12 meters.

- Disconnect mains power before fuse replacement or servicing.

- Replace fuse only with the same type.

- 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:

315W (CM-350Z II)

320W (CM-350Z III)

Light Source:

7x40W RGBW LED

Zoom Range:

5°~50°

Movement:

Pan: 540°

Tilt: 225°

Pan/Tilt Resolution: 16bit

Dimming/Strobe:

0~100% smooth dimming, variable strobe effects

Control:

DMX Channel: 11/15/14 Channels

Control Mode: DMX, Wireless Control (Optional)

Firmware Upgrade: Update via DMX link

Construction:

Display: LCD Display

Data In/Out: 3-pin&5-pin XLR

Power In/Out: Power Connector in/out

Protection Rating: IP20

Features:

Motorized liner zoom system

Outstanding color macro effect

Fast, quiet, flicker free operation

Dimension/Weight:

310x226x412mm, 10.6kgs

12.2"x8.9"x16.2"in, 23.4lbs

Photometric Diagram:

Distance(m)	5	10	15	20
5°Lux	10500	2400	1111	590
Diameter(m)	0.42	0.85	1.3	1.74
50°Lux	300	96	48	29
Diameter(m)	4.6	9.4	13.9	18.6
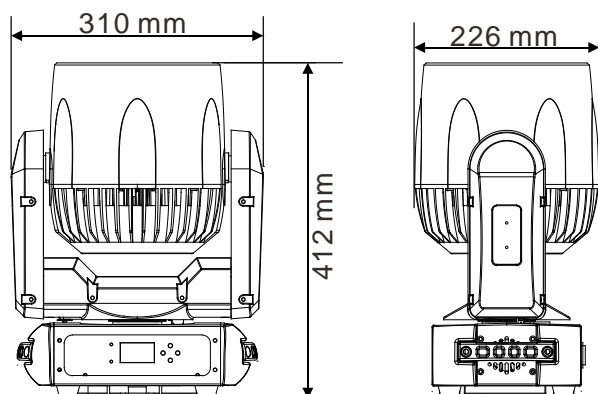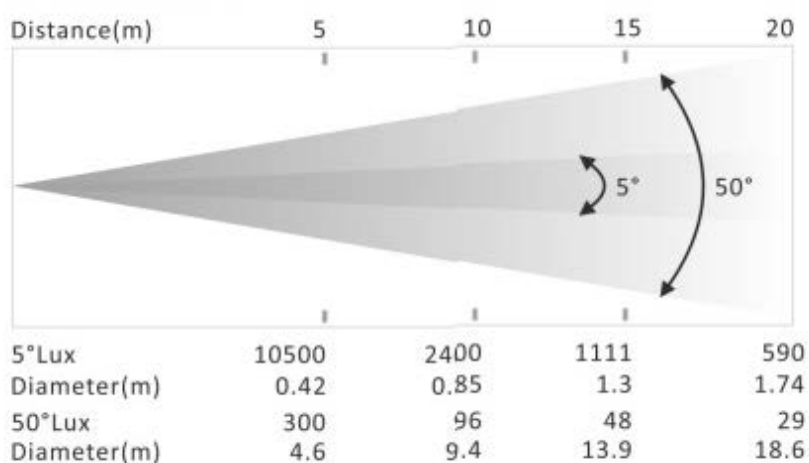
3. How To Set The Unit

3.1 Control Panel
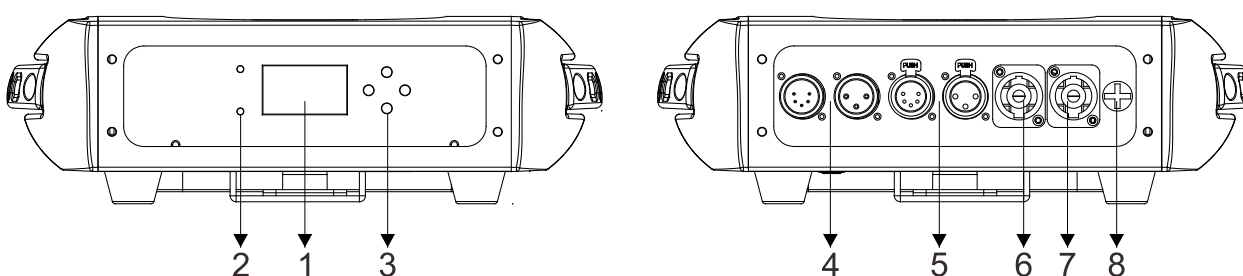
1. Display: To show the various menus and the selected functions

2. LED:

POWER	ON	Power On
DMX	ON	DMX input present

3. Button:

MENU	To enter into move backward or leave the menu
▼ DOWN	To go forward in the selected functions
▲ UP	To go backward in the selected functions
ENTER	To confirm the selected functions

4. DMX IN:

DMX512 link, use 3/5-pin XLR cable to link the unit and the DMX controller to input DMX signal

5. DMX OUT:

DMX512 link, use 3/5-pin XLR cable to link the next unit to output DMX signal

6. MAINS IN:

To connect to the mains supply

7. MAIS OUT:

To connect to the next unit

8. Fuse (T 6.3A):

Protects the unit from over-voltage or short circuit

3.2 Main Function

To select any of the given functions, press the **MENU** button until the required function is showing on the display. Select the function by pressing the **ENTER** button and the display will blink. Use the **DOWN**/**UP** buttons to change the mode. Once the required mode has been selected, press the **ENTER** button to setup, to go back to the functions without any change press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

The main functions are shown overleaf:

```
                                                    ┌─────────┐
                                          ┌─────────│    1    │
                          ┌──────────────┐│         ├─────────┤
                          │ DMX Address  │┘         │   512   │
                          └──────────────┘          └─────────┘
             ┌───────────────┐                       ┌──────────────┐
             │ DMX Functions │─┐  ┌────────────────┐ │  Mode 1(11)  │
             └───────────────┘ │  │DMX Channel Mode│─┤  Mode 2(15)  │
                               │  └────────────────┘ │  Mode 3(14)  │
                               │  ┌────────────────┐ └──────────────┘
                               ├──│ View DMX Value │
                               │  └────────────────┘    ┌──────────────┐
                               │  ┌────────────────┐    │    Active    │
                               └──│  WDMXSetting   │────┤  Retransmit  │
                                  └────────────────┘    │ Reset Memory │
                                                        │ WDMX Channel │
                                                        └──────────────┘

                                  ┌────────────────┐    ┌──────┐
                                  │  Pan Inverse   │────┤  No  │
                                  └────────────────┘    │ Yes  │
                                  ┌────────────────┐    ┌──────┐
                                  │  Tilt Inverse  │────┤  No  │
                                  └────────────────┘    │ Yes  │
                                  ┌────────────────┐    ┌──────┐
                                  │  P/T Feedback  │────┤  No  │
                                  └────────────────┘    │ Yes  │
             ┌───────────────┐    ┌────────────────┐    ┌──────┐
             │Fixture Setting│────│ Bl.o. P/T Moving│───┤  No  │
             └───────────────┘    └────────────────┘    │ Yes  │
                                  ┌────────────────┐    ┌──────┐
                                  │ White Balance  │────┤ Red  │
                                  └────────────────┘    │Green │
                                                        │ Blue │
                                  ┌────────────────┐    ┌──────┐
                                  │  Cooling Mode  │────┤ Auto │
                                  └────────────────┘    │ Low  │
                                  ┌────────────────┐    ┌────────────┐
                                  │  Dimmer Curve  │────┤  Linear    │
                                  └────────────────┘    │ Square Law │
                                                        │Inverse Squ.│
                                                        │  S-curve   │
                                  ┌────────────────┐    ┌────────┐
                                  │  Dimmer Speed  │────┤  Fast  │
                                  └────────────────┘    │ Smooth │

   ┌──────┐                       ┌────────────────┐    ┌──────┐
   │ MENU │──                     │ Display Inverse│────┤  No  │
   └──────┘                       └────────────────┘    │ Yes  │
                                  ┌────────────────┐    ┌──────┐
                                  │Backlight Auto Off│──┤  No  │
                                  └────────────────┘    │ Yes  │
             ┌───────────────┐    ┌────────────────┐    ┌────────┐
             │Display Setting│────│Backlight Intensity│─┤  1~10  │
             └───────────────┘    └────────────────┘    └────────┘
                                  ┌────────────────┐    ┌────────┐
                                  │ Contrast Ratio │────┤  1~30  │
                                  └────────────────┘    └────────┘
                                  ┌────────────────┐    ┌──────┐
                                  │Temperature Unit│────┤  ℃   │
                                  └────────────────┘    │  ℉   │
                                  ┌────────────────┐    ┌──────┐
                                  │ Display Warning│────┤  No  │
                                  └────────────────┘    │ Yes  │
                                  ┌────────────────┐    ┌─────────┐
                                  │    Language    │────┤ English │
                                  └────────────────┘    │ Chinese │

             ┌───────────────┐    ┌────────────────┐
             │ Fixture Test  │────│   Auto Test    │
             └───────────────┘    ├────────────────┤
                                  │  Manual Test   │
                                  └────────────────┘
             ┌───────────────┐    ┌────────────────┐
             │Fixture Information│─│ Fixture use time│
             └───────────────┘    ├────────────────┤
                                  │Fireware Version│
                                  └────────────────┘
             ┌───────────────┐    ┌────────────────┐
             │Reset Functions│────│   Pan /Tilt    │    ┌──────┐
             └───────────────┘    ├────────────────┤────┤  No  │
                                  │     Zoom       │    │ Yes  │
                                  ├────────────────┤
                                  │     All        │
                                  └────────────────┘
             ┌───────────────┐    ┌────────────────┐    ┌────────────┐
             │Special Functions│──│Fixture Maintenance│─┤  Interval  │
             └───────────────┘    └────────────────┘    │Remain Time │
                                  ┌────────────────┐    ┌──────┐
                                  │Factory Settings│────┤  No  │
                                  └────────────────┘    │ Yes  │
```

7H

DMX Functions

Enter MENU mode, select **DMX Functions**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **DMX Address**, **DMX Channel Mode, View DMX Value** or **WDMX Setting.**

DMX Address

To select **DMX Address**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to adjust the address from 001 to 512, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

DMX Channel Mode

To select **DMX Channel Mode**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Mode1 (11), Mode2 (15)** or **Mode3 (14)**, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.
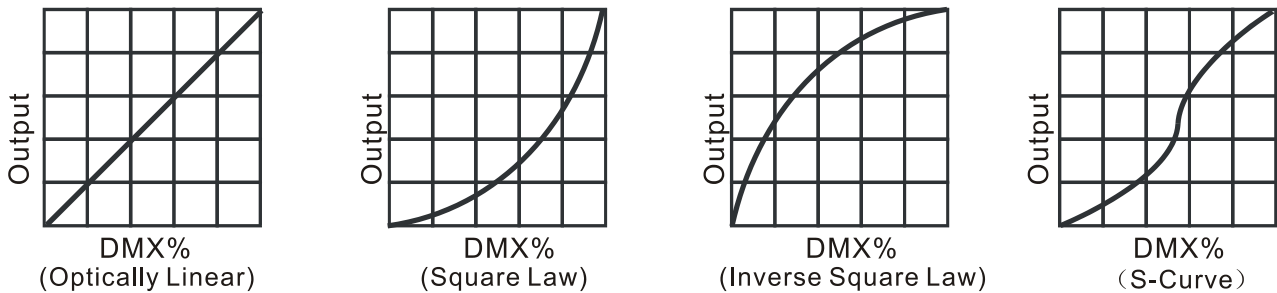
View DMX Value

To select **View DMX Value**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to view the DMX channel values. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

WDMX Setting

To select **WDMX Setting**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Active, Retransmit, Reset Memory** or **WDMX Channel**, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Fixture Setting

Enter MENU mode, select **Fixture Setting**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Pan Inverse, Tilt Inverse, P/T Feedback**, **BL.O. P/T Moving, White Balance, Cooling Mode**, **Dimmer Curve** or **Dimmer Speed**.

Pan Inverse

To select **Pan Inverse**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (normal) or **Yes** (pan inverse), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Tilt Inverse

To select **Tilt Inverse**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (normal) or **Yes** (tilt inverse), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

P/T Feedback

To select **P/T Feedback**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (Pan or tilt's position will not feedback while out of step) or **Yes** (Feedback while pan/tilt out of step), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

BL.O. P/T Moving

To select **BL.O. P/T Moving**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (normal while pan/tilt moving) or **Yes** (blackout while pan/tilt moving), press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

White Balance

To select **White Balance**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Red**, **Green** or **Blue**, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Cooling Mode

To select **Cooling Mode**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Auto** or **Low**. Once selected, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Dimmer Curve

To select **Dimmer Curve**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Linear**, **Square Law**, **Inverse Squ.** or **S-Curve**. Once selected, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Dimmer Modes:

Linear: The increase in light intensity appears to be linear as DMX value is increased.

Square Law: Light intensity control is finer at low levels and coarser at high levels.

Inverse Square Law: Light intensity control is coarser at low levels and finger at high levels.

S-cure: Light intensity control is finger at low levels and high levels and coarser at medium levels.

Dimmer Speed

To select **Dimmer Speed**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Fast** or **Smooth**. Once selected, press the **ENTER** button to setup. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Display Setting

Enter **MENU** mode, select **Display Setting**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Display Inverse, Backlight Auto Off, Backlight Intensity, Contrast Ratio, Temperature Unit, Display Warning** or **Language.**

Display Inverse

To select **Display Inverse**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (normal) or **Yes** (display inverse). Once selected, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Backlight Auto Off

To select **Backlight Auto Off**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (display always on) or **Yes** (display goes off one minute after exiting menu mode). Once selected, press the **ENTER** button to confirm and store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Backlight Intensity

To select **Backlight Intensity**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to adjust the intensity from **1** (dark) to **10** (bright). Once selected, press the **ENTER** button to setup and store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Contrast Ratio

To select **Contrast Ratio**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to adjust the intensity from **1** to **30**. Once selected, press the **ENTER** button to setup and store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Temperature Unit

To Select **Temperature Unit**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select ℃ or ℉, press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Display Warning

To select **Display Warning**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** (Normal) or **Yes** (display will show the error warning when the unit went wrong), press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Language

To select **Language**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **English** or **Chinese,** press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle one minute to exit menu mode.

Fixture Test

Enter **MENU** mode, select **Fixture Test**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Auto Test** or **Manual Test**

Auto Test

To select **Auto Test**, press the **ENTER** button to confirm, the unit will run built-in programs to automatically test pan, tilt, zoom and etc. Press the **MENU** button back to the last menu or exit

menu mode after auto test.

Manual Test

To select **Manual Test**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select channel, and adjust the channel value. Once selected, press the **ENTER** button to setup, the fixture will run as the channel value indicates. Press the **MENU** button back to the last menu or exit menu mode let the unit idle one minute.

(All channels value will become 0 after exiting **Manual Test** menu)

Fixture Information

Enter MENU mode, select **Fixture Information**, press the **ENTER** button to confirm, use the UP/DOWN button to select **Fixture use time** or **Firmware Version.**

Fixture use time

To select **Fixture use time**, press the **ENTER** button to confirm, the fixture working hours will show on the display. Press the **MENU** button to exit.

Firmware Version

To select **Firmware Version**, press the **ENTER** button to confirm, the fixture software version will show on the display. Press the **MENU** button to exit.

Reset Functions

Enter MENU mode, select **Reset Functions**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Pan/Tilt, Zoom** or **All.**

Pan/Tilt

To Select **Pan/Tilt**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes** (the unit will run built-in program to reset pan and tilt to their home positions), press the **ENTER** button to store. Press the **MENU** button to exit menu mode.

Zoom

To select **Zoom**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes** (the unit will run built-in program to reset zoom to its home positions), press the **ENTER** button to store. Press the **MENU** button to exit menu mode.

All

To select **All,** press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes** (the unit will run built-in program to reset all motors to their home positions), press **ENTER** button to store. Press **MENU** button to exit menu mode.

Special Functions

Enter MENU mode, select **Special Functions**, press the **ENTER** button to confirm, use the **UP/DOWN** button to select **Fixture Maintenance** or **Factory Setting**.
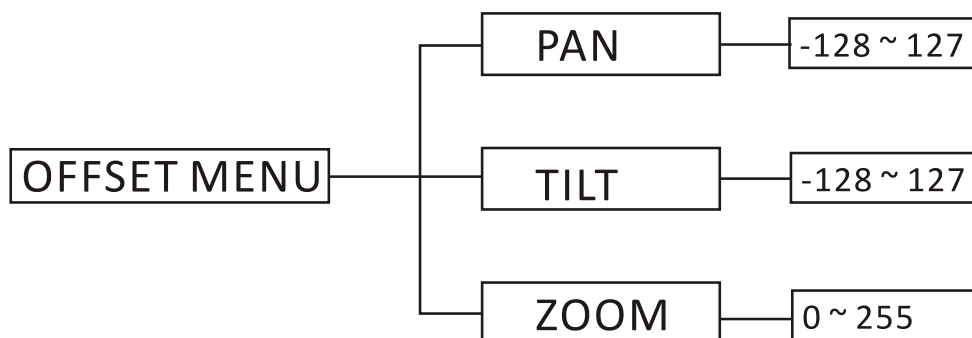
Fixture Maintenance

To select **Fixture Maintenance**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **Interval** or **Remain Time**, Press the **ENTER** button to confirm, press the **MENU** button to exit.

Factory Setting

To select **Factory Setting**, press the **ENTER** button to confirm. Use the **UP/DOWN** button to select **No** or **Yes** (the fixture will reset to factory settings and exit menu mode).

3.3 Home Position Adjustment

```
                              ┌──── PAN ────┬─── -128 ~ 127
                              │
        OFFSET MENU ──────────┼──── TILT ───┬─── -128 ~ 127
                              │
                              └──── ZOOM ───┬─── 0 ~ 255
```

In the main functions, hold the **ENTER** button for at least 3 seconds into offset mode, use the **DOWN/UP** button up to select **Pan**, **Tilt** or **Zoom**, and press the **ENTER** button to confirm. Use the **DOWN/UP** button to adjust the home position of the Pan, Tilt or Zoom, once the position has been selected, press the **ENTER** button to setup, to go back to the functions without any change press the **MENU** button again. Press and hold the **MENU** button about one second or wait for about one minute to exit the menu mode.

4. Control By Universal DMX Controller

4.1 DMX512 Connection
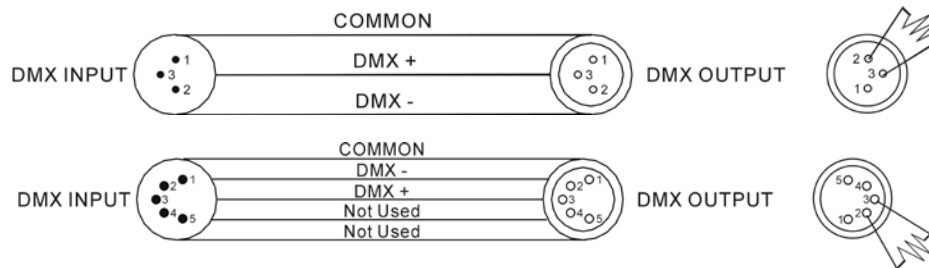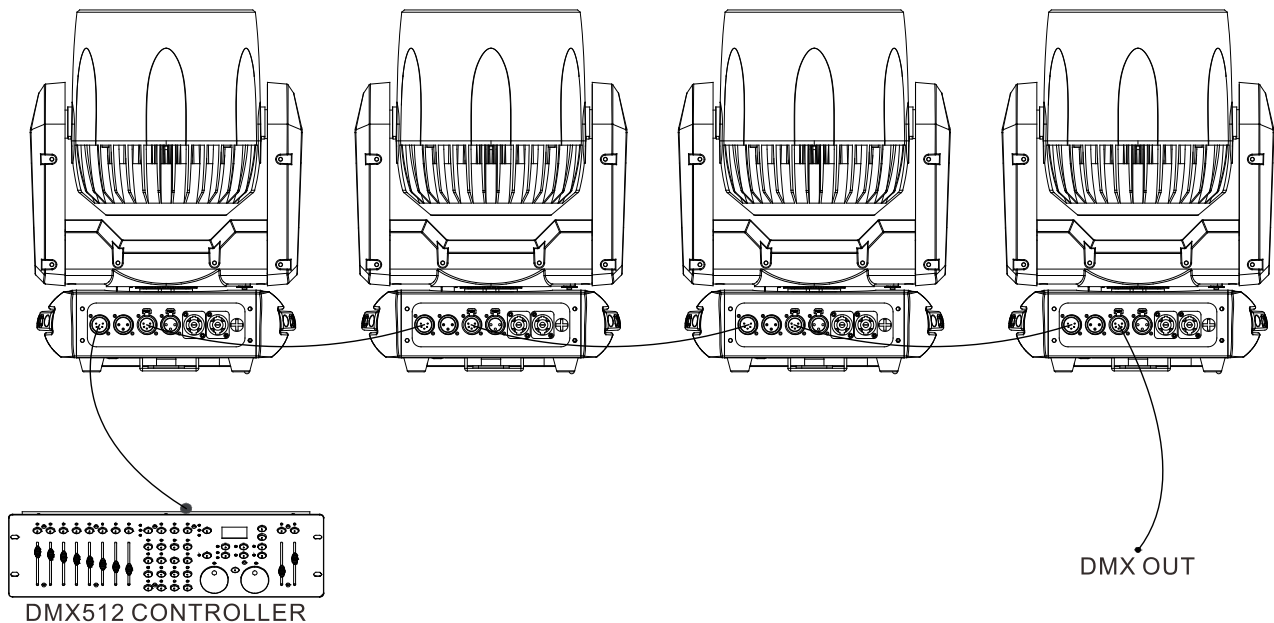
1. If you using a controller with 5 pins DMX output, you need to use a 5 to 3 pin adapter-cable.

2. The last units DMX cable has to be terminated with a 120 ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) of a 3-pin XLR-plug and plug it in the DMX-output of the last unit.

3. Connect the unit together in a `daisy chain` by XLR plug from the output of the unit to the input of the next unit. The cable can not 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.

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

5. Each fixture unit 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).

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

7. 3 pin XLR connectors are more popular than 5 pin 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 (+),

    Pin 4/Pin 5: Not used.

4.2 Address Setting

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

Press the **MENU** button to enter menu mode, select *DMX Functions*, press the **ENTER** button to confirm, use the **UP/DOWN** button to select *DMX Address*, press the **ENTER** button to confirm, the present address will blink on the display, use the **UP/DOWN** button to adjust the address from 001 to 512, and press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 7 seconds to exit menu mode.

Please refer to the following diagram to set the DMX address for the first 4 units:

Channel mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
11 channels	1	12	23	34
15 channels	1	16	31	46
14 channels	1	15	29	43

4.3 DMX512 Configuration

11 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	**PAN** 0%→100%
2	000-255	**TILT** 0%→100%
3		**PAN/TILT SPEED**

	000-255	fast→slow
		SHUTTER
	000-019	Off
	020-024	Open
	025-064	Strobe: fast to slow
	065-069	Open
	070-084	Fast close slow open
	085-089	Open
	090-104	Fast open slow close
	105-109	Open
	110-124	Random strobe
	125-129	Open
4	130-144	Random fast close slow open
	145-149	Open
	150-164	Random fast open slow close
	165-169	Open
	170-184	Burst pulse
	185-189	Open
	190-204	Random burst pulse
	205-209	Open
	210-224	Slow close slow open
	225-229	Open
	230-244	Burst
	245-255	Open
5	000-255	**RED** (0%→100%)
6	000-255	**GREEN** (0%→100%)
7	000-255	**BLUE** (0%→100%)
8	000-255	**WHITE** (0%→100%)
9		**DIMMER**
	000-255	0%→100%
10		**ZOOM**
	000-255	0%→100%
11		**SPECIAL FUNCTIONS**
	000-009	No function
	010-014	Reset all
	015-255	No function

15 Channels Mode:

CHANNEL	VALUE	FUNCTION
1		**SHUTTER**
	000-019	Off
	020-024	Open
	025-064	Strobe: fast to slow
	065-069	Open
	070-084	Fast close slow open
	085-089	Open
	090-104	Fast open slow close
	105-109	Open
	110-124	Random strobe
	125-129	Open
	130-144	Random fast close slow open
	145-149	Open
	150-164	Random fast open slow close
	165-169	Open
	170-184	Burst pulse
	185-189	Open
	190-204	Random burst pulse
	205-209	Open
	210-224	Slow close slow open
	225-229	Open
	230-244	Burst
	245-255	Open
2		**DIMMER**
	000-255	0%→100%
3		**ZOOM**
	000-255	0%→100%
4		**PAN**
	000-255	0%→100%
5	000-255	**PAN FINE**
6		**TILT**
	000-255	0%→100%
7	000-255	**TILT FINE**
8		**PAN/TILT SPEED**
	000-255	fast→slow
9		**SPECIAL FUNCTIONS**
	000-009	No function
	010-014	Reset all
	015-255	No function

		COLOR
10	000-009	Open
	010-014	Color1
	015-019	Color2
	020-024	Color3
	025-029	Color4
	030-034	Color5
	035-039	Color6
	040-044	Color7
	045-049	Color8
	050-054	Color9
	055-059	Color10
	060-064	Color11
	065-069	Color12
	070-074	Color13
	075-079	Color14
	080-084	Color15
	085-089	Color16
	090-094	Color17
	095-099	Color18
	100-104	Color19
	105-109	Color20
	110-114	Color21
	115-119	Color22
	120-124	Color23
	125-129	Color24
	130-134	Color25
	135-139	Color26
	140-144	Color27
	145-149	Color28
	150-154	Color29
	155-159	Color30
	160-164	Color31
	165-169	Color32
	170-174	Color33
	175-179	Open
	180-201	CCW Rotation: fast to slow
	202-207	Stop
	208-229	CW Rotation: slow to fast
	230-234	Open
	235-239	Random color rotation (fast speed)
	240-244	Random color rotation (medium speed)
	245-249	Random color rotation (slow speed)
	250-255	Open

18H

CHANNEL	VALUE	FUNCTION
11	000-255	**RED** (0%→100%)
12	000-255	**GREEN** (0%→100%)
13	000-255	**BLUE** (0%→100%)
14	000-255	**WHITE** (0%→100%)
15	000-255	**CTO** 0%→100%

14 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	**PAN** 0%→100%
2	000-255	**PAN FINE**
3	000-255	**TILT** 0%→100%
4	000-255	**TILT FINE**
5	000-255	**PAN/TILT SPEED** fast→slow
6	000-009 010-014 015-255	**SPECIAL FUNCTIONS** No function Reset all No function
7	000-255	**DIMMER** 0%→100%
8	000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184	**SHUTTER** Off Open Strobe: fast to slow Open Fast close slow open Open Fast open slow close Open Random strobe Open Random fast close slow open Open Random fast open slow close Open Burst pulse

	185-189	Open
	190-204	Random burst pulse
	205-209	Open
	210-224	Slow close slow open
	225-229	Open
	230-244	Burst
	245-255	Open
9	000-255	**RED** (0%→100%)
10	000-255	**GREEN** (0%→100%)
11	000-255	**BLUE** (0%→100%)
12	000-255	**WHITE** (0%→100%)
		COLOR
	000-009	Open
	010-014	Color1
	015-019	Color2
	020-024	Color3
	025-029	Color4
	030-034	Color5
	035-039	Color6
	040-044	Color7
	045-049	Color8
	050-054	Color9
	055-059	Color10
	060-064	Color11
	065-069	Color12
	070-074	Color13
13	075-079	Color14
	080-084	Color15
	085-089	Color16
	090-094	Color17
	095-099	Color18
	100-104	Color19
	105-109	Color20
	110-114	Color21
	115-119	Color22
	120-124	Color23
	125-129	Color24
	130-134	Color25
	135-139	Color26
	140-144	Color27
	145-149	Color28
	150-154	Color29

	155-159	Color30
	160-164	Color31
	165-169	Color32
	170-174	Color33
	175-179	Open
	180-201	CCW Rotation: fast to slow
	202-207	Stop
	208-229	CW Rotation: slow to fast
	230-234	Open
	235-239	Random color rotation (fast speed)
	240-244	Random color rotation (medium speed)
	245-249	Random color rotation (slow speed)
	250-255	Open
14	000-255	**ZOOM** 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 and main fuse.

2. Measure the mains voltage on the main connector.

3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors and 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 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 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 55103-1: 2009+A1: 2012; EN 55103-2: 2009; EN 55032: 2012; EN 61000-3-2: 2014; EN 61000-3-3: 2013.

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Harmonized Standard

EN 60598-2-17: 1989+A2: 1991; EN 60598-1: 2015; EN 62031: 2008/A2: 2015; EN 62471: 2008. Safety of household and similar electrical appliances Part 1: General requirements

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