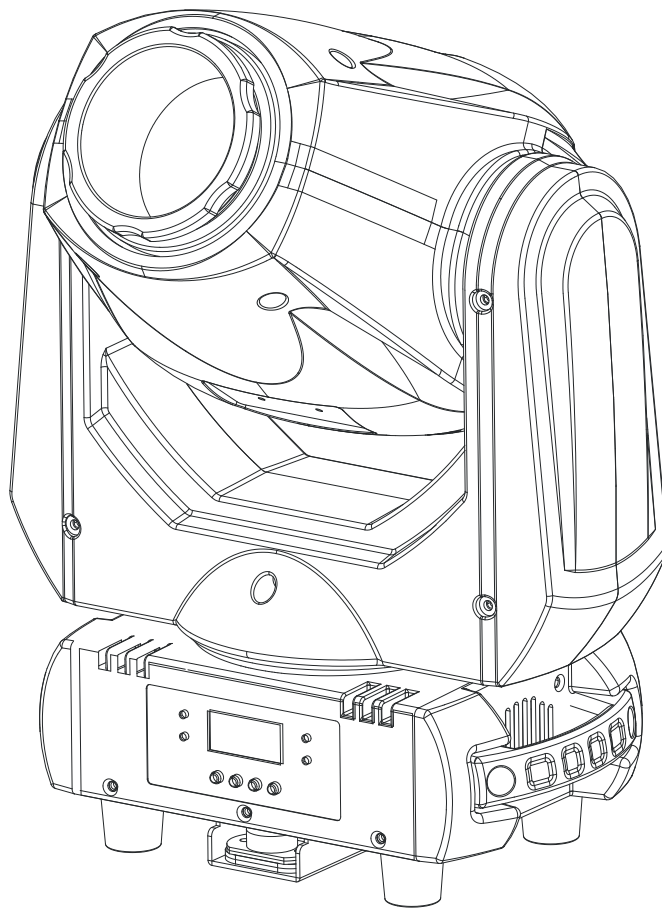


# **iSolution**

Your integrated Solution

## **iMove 350SR**



### **User Manual**

Please read the instruction carefully before use

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## 1. Safety Instruction



WARNING

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

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

- Unpack and check carefully there is no transportation damage before using the unit.
- 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.
- The unit is for indoor use only. Use only in a dry location.
- 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.
- Disconnect main power before replacement or servicing.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cables when fixing this unit. DO NOT handle the unit by its head only, always carry by its base.
- Maximum ambient temperature is  $T_a$ : 40 degrees C. DO NOT operate it where the temperature is higher than this.
- Unit surface temperature may reach up to 75 degrees C. DO NOT touch the housing with bare-hands during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.
- In the event of a serious operating problem, stop using the unit immediately. 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. Always use the same type spare parts.
- DO NOT touch any wire during operation as high voltage may cause electric shock.

### Warning:

- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or

moisture.

- The housing and lenses must be replaced if they are visibly damaged.

### **Caution:**

There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

### **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**

### **Constructions:**

- ◆ Stylish design with fire retardant plastic housing
- ◆ Excellent ventilation for reliable operation
- ◆ Rotating Gobo Wheel: 6 rotating and changeable gobos plus open
- ◆ Static Gobo Wheel: 7 fixed gobos plus open
- ◆ Color Wheel: 8 colors plus white
- ◆ 3 facet prism, rotating prism
- ◆ Electric Focus

### **Pan/Tilt:**

- ◆ Pan/Tilt: 540°/270°

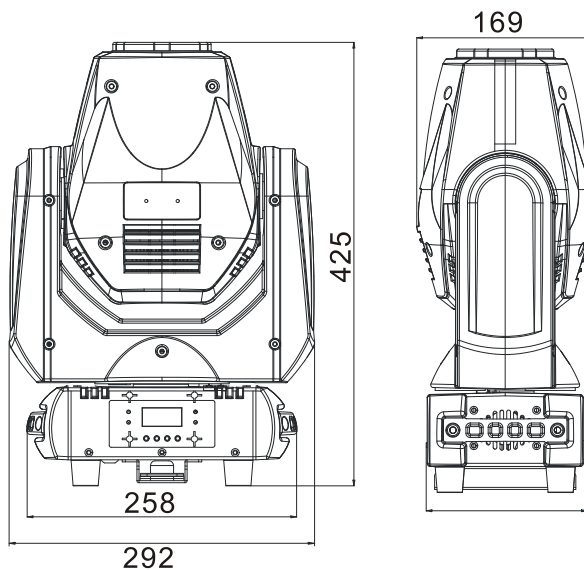
- ◆ Automatic Pan/Tilt position correction
- ◆ Easy calibration and maintenance by magnetic home positioning

### Control:

- ◆ 3 operation control modes: DMX, Master/Slave Mode, Sound Active mode
- ◆ DMX channel modes: 15/16CH
- ◆ Blue/White LCD Display for easy navigation
- ◆ Manually adjustable beam angle: 12° ~ 17°
- ◆ 0~100% smooth dimming and variable strobe speeds
- ◆ Data In/Out: 5-PIN XLR sockets
- ◆ RDA: Remote DMX addressing, DMX address can be remotely set up by universal controller

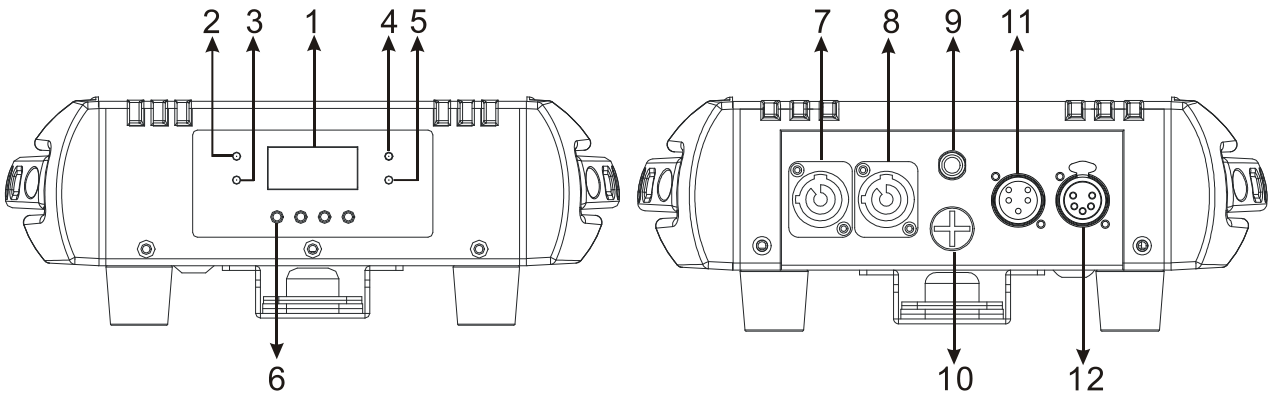
### Specification:

- **Power Voltage:** AC 100~240V, 50/60Hz
- **Power Consumption:** 138W
- **Power Cable Daisy Chains:** 8 Fixtures Max. (230V, 50Hz)  
4 Fixtures Max. (120V, 60Hz)
- **Light Source:** 1 x 60W white LED
- **Dimension:** 292 x 169 x 425mm
- **Weight:** 9Kgs



### 3. How To Set The Unit

#### 3.1 Control Panel



#### 1. Display:

To show the various menus and the selected functions

#### LED:

<b>2. DMX</b>	On	DMX input present
<b>3. MASTER</b>	On	Master Mode
<b>4. SLAVE</b>	On	Slave Mode
<b>5. SOUND</b>	Flashing	Sound activation

#### 6. Button:

<b>MENU</b>	To select the programming functions
<b>▼ DOWN</b>	To go backward in the selected functions
<b>▲ UP</b>	To go forward in the selected functions
<b>ENTER</b>	To confirm the selected functions

#### 7. MAINS IN:

PowerCon connection from main power supply

#### 8. MAINS OUT:

PowerCon loop connection for main power supply to the next unit

#### 9. Only For Remote Control:

Connects to optional CA-8 to control the unit in Stand by, Function and Strobe/Blackout modes

## 10. Fuse (T 3.15A):

Protects the unit from over-voltage or short circuit

## 11. DMX IN:

DMX512 link, use 3-pin XLR cable to link the unit and the DMX controller

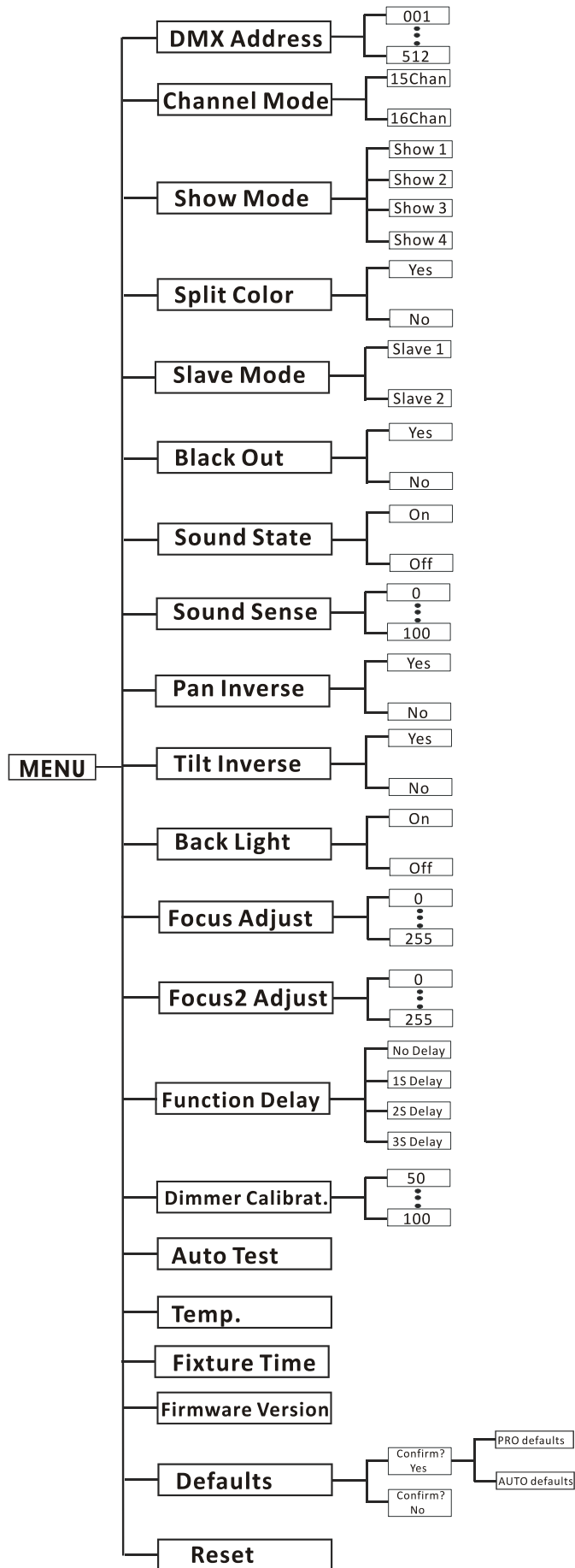
## 12. DMX OUT:

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

## 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:





## **DMX Address**

To select the **DMX Address**, press the **ENTER** button to show **DMX ADDRESS** on the display. Use the **DOWN/UP** buttons to adjust the address from **001** 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 one minute to exit the menu mode.

## **Channel Mode**

To select the **Channel Mode**, press the **ENTER** button to show **CHANNEL MODE** on the display. Use the **DOWN** and **UP** buttons to select the **15Chan** (15 Channel) or **16Chan** (16 Channel) mode. Once the 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.

## **Show Mode**

To select the **Show Mode**, press the **ENTER** button to show **SHOW MODE** on the display. Use the **DOWN** and **UP** buttons to select the **Show 1**, **Show 2** or **Show 3**, **Show 4** Mode. Once the 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.

## **Split Colour**

To select the **Split Colour**, press the **ENTER** button to show **SPLIT COLOR** on the display. Use the **DOWN** and **UP** buttons to select the **Yes** (Split color mode) or **No (Normal)**. Once the 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.

## **Slave Mode**

To select the **Slave Mode**, press the **ENTER** button to show **SLAVE MODE** on the display. Use the **DOWN** and **UP** button to select the **Slave 1** or **Slave 2** mode. Once the 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.

### **Black Out**

To select the **Black Out**, press the **ENTER** button to show **BLACK OUT** on the display. Use the **DOWN** and **UP** buttons to select the **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 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.

### **Sound State**

To select the **Sound State**, press the **ENTER** button to show **SOUND STATE** on the display. Use the **DOWN** and **UP** buttons to select the **On** (Sound Mode On) or **Off** (Sound Mode Off). Once the 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.

### **Sound Sense (Sensitivity)**

To select the **Sound Sense**, press the **ENTER** button to show **SOUND SENSE** on the display. Use the **DOWN** and **UP** buttons to adjust the sound sensitivity from **0** to **100**, 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.

### **Pan Inverse**

To select the **Pan Inverse**, press the **ENTER** button to show **PAN INVERSE** on the display. Use the **DOWN** and **UP** buttons to select the **Yes** (pan inversion) or **No** (normal) mode. Once the 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.

## **Tilt Inverse**

To select the **Tilt Inverse**, press the **ENTER** button to show **TILT INVERSE** on the display. Use the **DOWN** and **UP** buttons to select the **Yes** (tilt inversion) or **No** (normal) mode. Once the 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.

## **Back Light**

To select the **Back Light**, press the **ENTER** button to show **BACK LIGHT** on the display. Use the **DOWN** and **UP** buttons to select the **On** (LED display on) or **Off** (LED display off) mode. Once the 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.

## **Gobo Focus**

To select the **Gobo Focus**, press the **ENTER** button to show **GOBO FOCUS** on the display. Use the **DOWN** and **UP** buttons to adjust the value from **0** to **255**, 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.

## **Gobo2 Focus**

To select the **Gobo 2 Focus**, press the **ENTER** button to show **GOBO 2 FOCUS** on the display. Use the **DOWN** and **UP** buttons to adjust the value from **0** to **255**, 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.

## **Function Delay**

To select the **Function Delay**, press the **ENTER** button to show **FUNCTION DELAY** on the display. Use the **DOWN** and **UP** buttons to select the **No Delay** or **1S Delay**, **2S Delay**, **3S Delay** (wait for 1/2/3 seconds before these functions of 15/16CH are activated/deactivated). Once 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.

### **Dimmer Calibration**

To select the **Dimmer Calibration**, press the **ENTER** button to show **DIMMER CALIBRAT.** on the display. Use the **DOWN** and **UP** buttons to adjust the dimmer from **50** to **100**, press the **ENTER** button to setup and store, 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.

### **Auto Test**

To select the **Auto Test**, 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 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.

### **Temperature**

To select the **Temp**, press the **ENTER** button to show **TEMP.** on the display and the display will show the temperature of the unit. To go back to the functions 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.

### **Fixture Time**

To select the **Fixture Time**, press the **ENTER** button to show **FIXTURE TIME** on the display and the display will show the number of working hours of the fixture. To go back to the functions 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.

### **Firmware Version**

To select the **Firmware Version**, 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 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.

## Defaults

To select the **Defaults**, press the **ENTER** button to show the **DEFAULTS** on the display. Use the **DOWN** and **UP** button to select the **Confirm? Yes** or **Confirm? No**. Once the **Confirm? Yes** has been selected, use the **DOWN** and **UP** button to select the **PRO defaults** or **AUTO defaults**.

**PRO Defaults:** For professional users, detailed explanation as followings:

- ☞ **Channel Mode** → 16Chan
- ☞ **Split Color Mode** → Yes
- ☞ **Slave Mode** → Slave 1
- ☞ **Black Out** → Yes
- ☞ **Sound State** → Off
- ☞ **Sound Sense** → 90
- ☞ **Pan Inverse** → No
- ☞ **Tilt Inverse** → No
- ☞ **Back Light** → Off
- ☞ **Function Delay** → 3S Delay

**AUTO Defaults:** Mostly automatic mode, for non professional users, detailed explanation as followings:

- ☞ **Channel Mode** → 15Chan
- ☞ **Split Color Mode** → No
- ☞ **Slave Mode** → Slave 1
- ☞ **Black Out** → No
- ☞ **Sound State** → On
- ☞ **Sound Sense** → 90
- ☞ **Pan Inverse** → No
- ☞ **Tilt Inverse** → No
- ☞ **Back Light** → On
- ☞ **Function Delay** → 3S Delay

(**Notice:** Other settings are NOT changed while choosing Defaults Setting!)

Then press the **ENTER** button and the corresponding functions will set to defaults setting, 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.

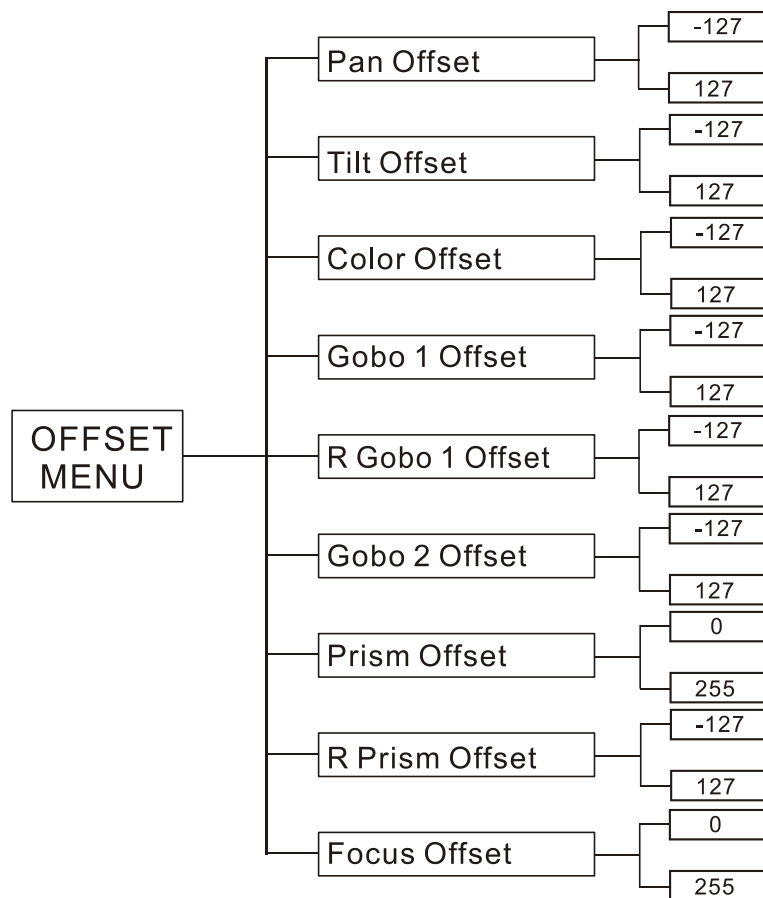
## Reset

To select the **Reset**, press the **ENTER** button to show **RESET** on the display, and all channels of the unit will return to their standard position. To go back to the functions 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.

### 3.3 Home Position Adjustment

Press the **MENU** button into menu mode, then press the **ENTER** button for about 3 seconds into offset mode to adjust the home position. Select the function by the **ENTER** button. Use the **UP** and **DOWN** buttons to choose the submenu, press the **ENTER** button to store and automatically return to the last menu. Press the **MENU** button to exit.



#### **PAN OFFSET** —Pan home position adjustment

To select the **Pan Offset**, press the **ENTER** button to show **PAN OFFSET** on the display. Use the **DOWN** and **UP** buttons to adjust the value from -127 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

#### **TILT OFFSET** —Tilt home position adjustment

To select the **Tilt Offset**, press the **ENTER** button to show t **TILT OFFSET** on the display. Use

the **DOWN** and **UP** buttons to adjust the value from -127 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

#### **COLOR OFFSET** —Color home position adjustment

To select the **Color Offset**, press the **ENTER** button to show **COLOR OFFSET** on the display. Use the **DOWN** and **UP** buttons to adjust the value from -127 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

#### **GOBO 1 OFFSET** —Gobo1 home position adjustment

To select the **Gobo 1 Offset**, press the **ENTER** button to show **GOBO 1 OFFSET** on the display. Use the **DOWN** and **UP** buttons to adjust the value from -127 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

#### **R GOBO 1 OFFSET** —Gobo1 rotation home position adjustment

To select the **R Gobo 1 Offset**, press the **ENTER** button to show **R GOBO 1 OFFSET** on the display. Use the **DOWN** and **UP** buttons to adjust the value from -127 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

#### **GOBO 2 OFFSET** —Gobo2 home position adjustment

To select the **Gobo 2 Offset**, press the **ENTER** button to show **GOBO 2 OFFSET** on the display. Use the **DOWN** and **UP** buttons to adjust the value from -127 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

#### **PRISM OFFSET** —Prism home position adjustment

To select the **Prism Offset**, press the **ENTER** button to show **PRISM OFFSET** on the display. Use the **DOWN** and **UP** buttons to adjust the value from 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

#### **R PRISM OFFSET** —Prism rotation home position adjustment

To select the **R Prism Offset**, press the **ENTER** button to show **R PRISM OFFSET** on the display. Use the **DOWN** and **UP** buttons to adjust the value from -127 to 127, press the **ENTER** button to store. Press the **MENU** button to exit.

#### **FOCUS OFFSET** —Focus home position adjustment

To select the **Focus Offset**, press the **ENTER** button to show **FOCUS OFFSET** on the display. Use the **DOWN** and **UP** buttons to adjust the value from 0 to 255, press the **ENTER** button to store. Press the **MENU** button to exit.

## 4. How To Control The Unit

There are three ways to control the unit:

1. Master/slave built-in preprogram function
2. Easy CA-8 controller
3. Universal DMX controller

You do not need to turn the unit off when you change the DMX address, the new DMX address setting will take effect immediately. Every time you power the unit on, it will move all the motors to their 'home' position and you may hear some movement noises for about 20 seconds. After that the unit will be ready to receive DMX signal or run the built in programs.

### 4.1 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 very good when you want an instant show. You have to set the first unit in master mode **Show Mode** and select **show 1, show 2, show 3** or **show 4** mode. 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. The other units will be set in **slave mode** and select **Slave 1** (normal) or **Slave 2** (2 light show) mode, Their DMX cables plugged into the DMX input jacks (daisy chain) and the slave LED lights will constantly on.

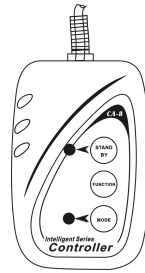
#### 2-light show

In **slave mode**, **Slave 1** means the unit works normally and **Slave 2** means 2-light show. In order to create a great light show, you can set **Slave 2** on the second unit to get contrast movement to each other, even if you have two units only.



## 4.2 Easy Controller

The easy remote control is used only in master/slave mode. By connecting to the 1/4" microphone jack of the first unit, you will find that the remote controller on the first unit will control all the other units in Stand by, and Mode selection.



Stand By	Blackout the unit		
Function	1. Sync. Strobe 2. Async strobe 3. Sound Strobe	Show 1-4	1. Press to select color 2. Hold to select gobo
Mode	Sound (LED OFF)	Show (LED Slow Blinking)	LED ON

## 4.3 DMX Controller



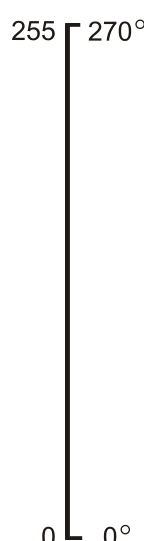

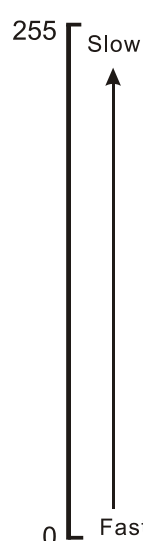

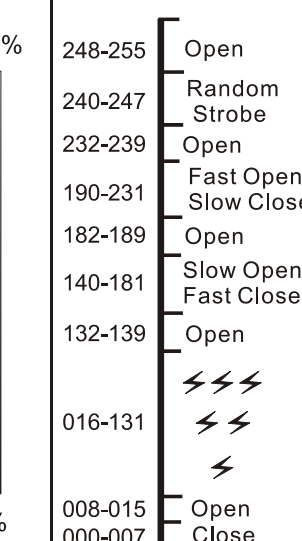












By using a universal DMX controller to control the units, you will need to set DMX address from 1 to 512 so that the units can receive DMX signal.

Press the **MENU** button up to when the **DMX Address** is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** buttons to change the DMX512 address. Once the address has been selected, press the **ENTER** button to setup, to go back to the functions without any change press the **MENU** button again. Hold and press the **MENU** button about one second or wait for one minute to exit the menu mode. Please refer to the following diagram to address your DMX512 channel for the first 4 units:

Channel mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
15 channels	1	16	31	46
16 channels	1	17	33	49

## 4.4 DMX512 Configuration

15 Channels Mode:













15 Channel Mode						
Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7
PAN	PAN FINE	TILT	TILT FINE	X/Y SPEED	DIMMER	STROBE
255 540°  0 0°	255  0	255 270°  0 0°	255  0	255 Slow  0 Fast	255 100%  0 0%	
Ch8		Ch9		Ch10	Ch11	
COLOR (Normal)	COLOR (Split Color)	GOBO 1	R-GOBO 1		GOBO 2	
255 Rotation Fast  194 Rotation Slow 190-193 Stop 189 Rotation Slow  128 Rotation Fast 113-127 Pink 099-112 Light Blue 085-098 Magenta 071-084 Blue 057-070 Green 043-056 Yellow 029-042 Orange 015-028 Red 000-014 White	255 Rotation Fast  194 Rotation Slow 190-193 Stop 189 Rotation Slow  128 Rotation Fast 120-127 Pink 113-119 Light Blue + Pink 105-112 Light Blue 098-104 Magenta + Light Blue 090-097 Magenta 083-089 Blue + Magenta 075-082 Blue 068-074 Green + Blue 060-067 Green 053-059 Yellow + Green 045-052 Yellow 038-044 Orange + Yellow 030-037 Orange 023-029 Red + Orange 015-022 Red 008-014 White + Red 000-007 White	255 Rotation Fast  194 Rotation Slow 190-193 Stop 189 Rotation Slow  128 Rotation Fast 110-127 Gobo 1-6 Shaking 101-109 Gobo 1-5 Shaking 092-100 Gobo 1-4 Shaking 083-091 Gobo 1-3 Shaking 074-082 Gobo 1-2 Shaking 064-073 Gobo 1-1 Shaking 048-063 Gobo 1-6 040-047 Gobo 1-5 032-039 Gobo 1-4 024-031 Gobo 1-3 016-023 Gobo 1-2 008-015 Gobo 1-1 000-007 Open	255 Rotation Fast  194 Rotation Slow  190-193 Stop 189 Rotation Slow  128 Rotation Fast 189 Rotation Slow  000-127 Index	255 Rotation Fast  194 Rotation Slow 190-193 Stop 189 Rotation Slow  128 Rotation Fast 112-127 Gobo 2-7 Shaking 104-111 Gobo 2-6 Shaking 096-103 Gobo 2-5 Shaking 088-095 Gobo 2-4 Shaking 080-087 Gobo 2-3 Shaking 072-079 Gobo 2-2 Shaking 064-071 Gobo 2-1 Shaking 050-063 Gobo 2-7 043-049 Gobo 2-6 036-042 Gobo 2-5 029-035 Gobo 2-4 022-028 Gobo 2-3 015-021 Gobo 2-2 008-014 Gobo 2-1 000-007 Open		

15 Channels Mode			
Ch12	Ch13	Ch14	Ch15
PRISM	R-PRISM	FOCUS	FUNCTION
<p>008-255 3 - Prism Effect</p> <p>000-007 No Effect</p>	<p>255 Rotation Fast</p> <p>194 Rotation Slow</p> <p>190-193 Stop</p> <p>189 Rotation Slow</p> <p>128 Rotation Fast</p> <p>000-127 Index Rotation</p>	<p>255 100%</p> <p>0 0%</p>	<p>250-255 Sound Active</p> <p>210-249 Null</p> <p>200-209 Reset All</p> <p>130-199 Null</p> <p>120-129 Disable blackout while Gobo changing</p> <p>110-119 Enable blackout while Gobo changing</p> <p>100-109 Disable blackout while Color changing</p> <p>090-099 Enable blackout while Color changing</p> <p>080-089 Disable blackout while P/T moving</p> <p>070-079 Enable blackout while P/T moving</p> <p>000-069 Null</p>

16 Channels Mode:

16 Channel Mode						
Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	
PAN	TILT	P/T SPEED	DIMMER	STROBE	COLOR (Normal)	COLOR (Split Color)
<p>255 540°</p> <p>0 0°</p>	<p>255 270°</p> <p>0 0°</p>	<p>255 Slow</p> <p>0 Fast</p>	<p>255 100%</p> <p>0 0%</p>	<p>248-255 Open</p> <p>240-247 Random Strobe</p> <p>232-239 Open</p> <p>190-231 Fast Open Slow Close</p> <p>182-189 Open</p> <p>140-181 Slow Open Fast Close</p> <p>132-139 Open</p> <p>016-131</p> <p>008-015 Open</p> <p>000-007 Close</p>	<p>255 Rotation Fast</p> <p>194 Rotation Slow</p> <p>190-193 Stop</p> <p>189 Rotation Slow</p> <p>128 Rotation Fast</p> <p>113-127 Pink</p> <p>099-112 Light Blue</p> <p>085-098 Magenta</p> <p>071-084 Blue</p> <p>057-070 Green</p> <p>043-056 Yellow</p> <p>029-042 Orange</p> <p>015-028 Red</p> <p>000-014 White</p>	<p>255 Rotation Fast</p> <p>194 Rotation Slow</p> <p>190-193 Stop</p> <p>189 Rotation Slow</p> <p>128 Rotation Fast</p> <p>120-127 Pink</p> <p>113-119 Light Blue + Pink</p> <p>105-112 Light Blue</p> <p>098-104 Magenta + Light Blue</p> <p>090-097 Magenta</p> <p>083-089 Blue + Magenta</p> <p>075-082 Blue</p> <p>068-074 Green + Blue</p> <p>060-067 Green</p> <p>053-059 Yellow + Green</p> <p>045-052 Yellow</p> <p>038-044 Orange + Yellow</p> <p>030-037 Orange</p> <p>023-029 Red + Orange</p> <p>015-022 Red</p> <p>008-014 White + Red</p> <p>000-007 White</p>

### 16 Channels Mode

Ch7	Ch8	Ch9	Ch10	Ch11
NULL	GOBO 2	GOBO 1	R-GOBO 1	PRISM
	255 Rotation Fast  194 Rotation Slow 190-193 Stop 189 Rotation Slow  128 Rotation Fast 112-127 Gobo 2-7 Shaking 104-111 Gobo 2-6 Shaking 096-103 Gobo 2-5 Shaking 088-095 Gobo 2-4 Shaking 080-087 Gobo 2-3 Shaking 072-079 Gobo 2-2 Shaking 064-071 Gobo 2-1 Shaking 050-063 Gobo 2-7 043-049 Gobo 2-6 036-042 Gobo 2-5 029-035 Gobo 2-4 022-028 Gobo 2-3 015-021 Gobo 2-2 008-014 Gobo 2-1 000-007 Open	255 Rotation Fast  194 Rotation Slow 190-193 Stop 189 Rotation Slow  128 Rotation Fast 110-127 Gobo 1-6 Shaking 101-109 Gobo 1-5 Shaking 092-100 Gobo 1-4 Shaking 083-091 Gobo 1-3 Shaking 074-082 Gobo 1-2 Shaking 064-073 Gobo 1-1 Shaking 048-063 Gobo 1-6 040-047 Gobo 1-5 032-039 Gobo 1-4 024-031 Gobo 1-3 016-023 Gobo 1-2 008-015 Gobo 1-1 000-007 Open	255 Rotation Fast  194 Rotation Slow  190-193 Stop  189 Rotation Slow  128 Rotation Fast  000-127 Index	008-255 3-prism effect    000-007 No effect
Ch12	Ch13	Ch14	Ch15	Ch16
R-PRISM	FOCUS	PAN FINE	TILT FINE	FUNCTION
255 Rotation Fast  194 Rotation Slow  190-193 Stop  189 Rotation Slow  128 Rotation Fast  000-127 Index Rotation	255 100%  0 0%	255  0	255  0	250-255 Sound Active 210-249 Null 200-209 Reset All 130-199 Null 120-129 Disable blackout while Gobo changing 110-119 Enable blackout while Gobo changing 100-109 Disable blackout while Color changing 090-099 Enable blackout while Color changing 080-089 Disable blackout while P/T moving 070-079 Enable blackout while P/T moving 000-069 Null



Gobo 1-1



Gobo 1-2



Gobo 1-3



Gobo 1-4



Gobo 1-5



Gobo 1-6



Gobo 2-1



Gobo 2-2



Gobo 2-3



Gobo 2-4



Gobo 2-5

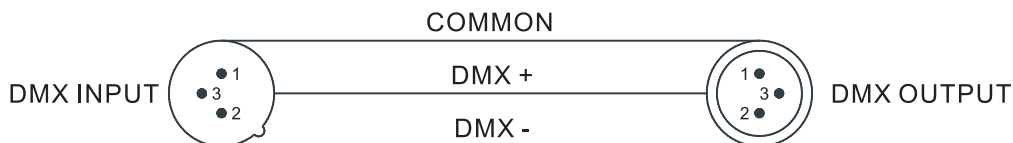
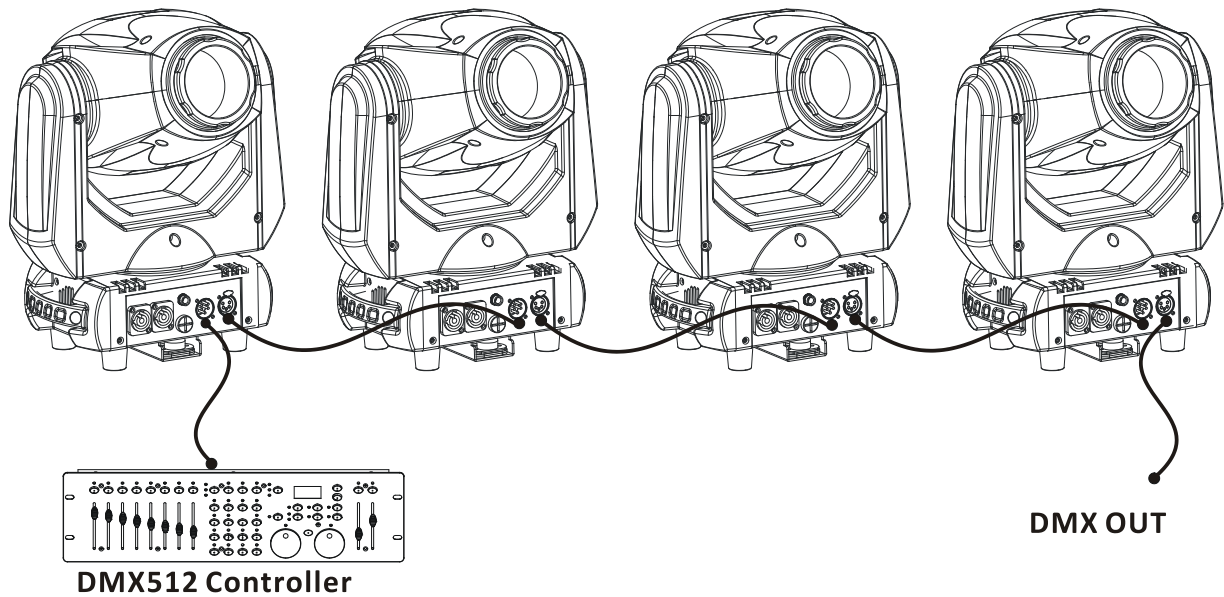


Gobo 2-6

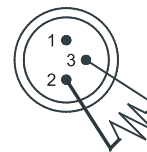


Gobo 2-7

## 5. DMX 512 Connection



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. If you using a controller with a 5 pin 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 units 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. The DMX output and input connectors are “pass-through” to maintain the DMX circuit, when one of the units power is disconnected.
4. 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).
5. 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.

## **6. 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.

### **B. Not responding to DMX controller**

1. DMX LED should be on. If not, check DMX cables to see if linked properly.
2. If the DMX LED is on and no response to the controller, check the address settings and DMX polarity.
3. Try another DMX controller.
4. Check if the DMX cables run near or run alongside to high voltage cables that may cause interference.

### **C. Some units don't respond to the easy controller**

1. You may have a break in the DMX cabling. Check the LED for the response of the master/slave mode signal.
2. Wrong DMX address in the unit. Set the correct address.

### **D. No response to the sound**

1. Make sure the unit is not set in DMX mode.
2. Check microphone by tapping it
3. Make sure the fixture is not set into Blackout mode

## **7. Fixture Cleaning**

The cleaning must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: moist, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture.

- 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 89/336/EEC.

EN55103-1: 2009 ; EN55103-2: 2009; EN62471: 2008;  
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**