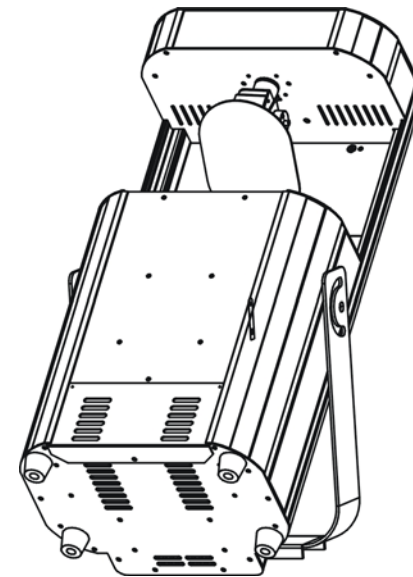


iSolution
Your integrated Solution

Professional Intelligent Scanner



IR-575S

User Guide

Professional Entertainment Technology

EC - 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.

EN55014-2: 1997 A1: 2001, EN61000-4-2: 1995; EN61000-4-3: 2002;
EN61000-4-4: 1995; EN61000-4-5: 1995, EN61000-4-6: 1996,
EN61000-4-11: 1994.

&

Harmonized Standard

EN60598-1: 2000+ALL: 2000+A12: 2002

Safety of household and similar electrical appliances

Part 1: General requirements

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1. Safety Instruction



WARNING

Please read carefully the instruction, which includes important information about installation, operation 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 user guide.
- 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 mains power before fuse/lamp replacement or servicing.
- Replace fuse/lamp only with the same type. Do not use any other type of lamp.
- Make sure there is no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when fixes this unit. Don't handle the unit by taking its head only, but always by taking its base.
- Maximum ambient temperature is T_a : 40°C. Don't operate it where the temperature is higher than this.
- Unit surface temperature may reach up to 85°C. Don't touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing bulb or serving as the unit could be very hot.
- In the event of 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.

7. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors 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 30/60 days.

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 connect power and mains fuse.
2. Measure the mains voltage on the mains socket.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if it 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 in the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

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

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

D. No response to the sound

1. Make sure the unit that does not receive DMX signal.
2. Check microphone to see if it is good by tapping the microphone.
3. Sensitivity is too low, check and set it higher.

E. 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.

F. The lamp is cutting out intermittently

1. The lamp is not working well. Check the mains voltage either too high or too low.
2. Internal temperature may be too high. Check and if necessary replace the fan.

- Don't connect the device to any dimmer pack or power pack.
- Do not touch any wire during operation as high voltage might be causing electric shock.
- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- Never touch bulb with bare fingers as it is very hot after using.
- Hot lamp explosion hazard. Do not open the unit within five minutes after switching off.
- Do not start on the unit without bulb enclosure or housing are damaged.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- Do not look directly at the light while the bulb is on.

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

2. Technical Specification

Power supply

- AC 230V/250V~50/60Hz

Fuse:

- T 10A

Lamp

- MSI 575/ HMI 575 GS/ HMQ 575/2

Optical system

- High efficiency optical system
- High quality optical lens and dichroic colors
- Beam angle : 15°

Shutter/Dimmer

- Blackout, 0~100 smooth dimming and strobe speed variable (1~16 flashes per second)

Movement

- Pan: 180°
- Tilt: 70°

Gobo wheel

- 5 rotating interchangeable gobos plus open
- Magnetic position for continuous rotating
- Shaking effect

Color wheel

- 6 colors plus white
- With rainbow effect

DMX Channels

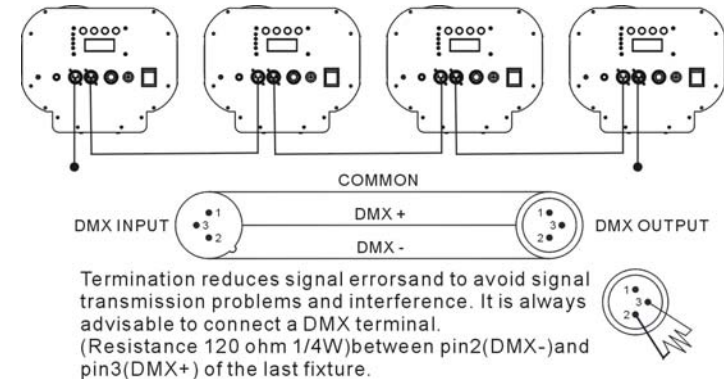
- Standard DMX512 signal addressing and can be controlled by any universal DMX controller.
- Two channel mode: 8 or 14 channels.

8 Channels

Channel 1 = Pan	Channel 5 = Color
Channel 2 = Tilt	Channel 6 = Gobo Rotating
Channel 3 = Shutter/ Shaking	Channel 7 = Dimmer
Channel 4 = Gobo	Channel 8 = Focus

5.5 DMX512 Connection

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels.



1. If you using a controller with 5 pins DMX output, you need to use a 5 to 3 pin adapter-cable.
2. 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.
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. DMX512 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 signal is able to pass through each fixture continuously, so if one fixture in the chain is out of order, all the fixtures after this point will not be affected.
5. Each lighting 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 DMX512 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 (+), Pin4/5: Not used.

14 Channels:

14 Channels:

DMX512 Configuration							
Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7	Ch8
Pan	Pan Fine	Tilt	Tilt Fine	Pan/Tilt Speed	Movement	Movement Range	Function
	0 to 255		0 to 255	0 Fast to 255 Slow	239-255 Movement 12 218-238 Movement 11 197-217 Movement 10 176-196 Movement 9 155-175 Movement 8 134-154 Movement 7 113-133 Movement 6 092-112 Movement 5 071-091 Movement 4 050-070 Movement 3 029-049 Movement 2 008-028 Movement 1 000-007 Stop	0 Wide to 255 Small	240-255 No Function 230-239 Lamp Off 210-229 No Function 200-209 Reset All 140-199 No Function 130-139 Lamp On 120-129 Disable Blackout while gobo change 110-119 Enable Blackout while gobo change 100-109 Disable Blackout while color change 090-099 Enable Blackout while color change 080-089 Disable Blackout while Pan/Tilt Move 070-079 Enable Blackout while Pan/Tilt Move 000-069 No Function
Ch9	Ch10	Ch11	Ch12	Ch13	Ch14		
Dimmer	Strobe/Shaking	Gobo	Gobo Rotation	Color	Focus		
0% to 100%	248-255 Open 240-247 Random Strobe 132-239 16-131 8-15 Open 0-7 Blackout	255 Rotation Fast 192 Rotation Slow 191 Rotation Slow 128 Rotation Fast 106-127 085-105 064-084 043-063 022-042 000-021	255 Rotation Fast 192 Rotation Slow 191 Rotation Slow 128 Rotation Fast 000-127 Position	255 Rotation Fast 192 Rotation Slow 191 Rotation Slow 128 Rotation Fast 109-127 Red 091-108 Yellow 073-090 Magenta 055-072 Orange 037-054 Blue 019-036 Green 000-018 White	0 to 255		



Channel 1 = Pan	Channel 8 = Function
Channel 2 = Pan Fine	Channel 9 = Dimmer
Channel 3 = Tilt	Channel 10 = Shutter/Shaking
Channel 4 = Tilt Fine	Channel 11 = Gobo
Channel 5 = Pan/Tilt Speed	Channel 12 = Gobo Rotating
Channel 6 = Movement Macro	Channel 13 = Color
Channel 7 = Movement range	Channel 14 = Focus

2.1 Inserting/Exchanging rotating gobos

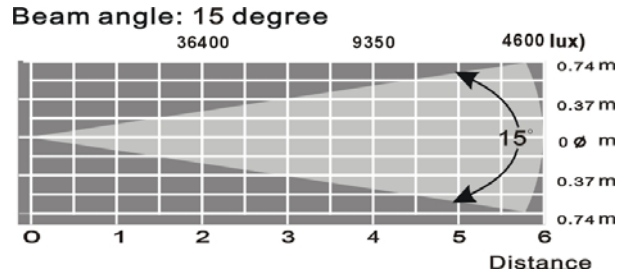
DANGER!
*Install the gobos with the device switched off only.
 Unplug from mains before!*

Open the cover by loosening the fastening screw at the sides of the cover. If you wish to use other gobo patterns besides the standard gobos, or if the gobos are to be exchanged, remove the fixation ring with an appropriate tool. Remove the gobo and insert the new gobo. Press the fixation-ring together and insert it in front of the gobo.



CAUTION!
Never unscrew the screws of the rotating gobo as the ball bearing will otherwise be opened!

2.2 Beam Angle



3. Lamp



In case of replacement of the lamp or maintenance, do not open the fixture within 15 minutes until the unit cools down after switching off.

MSI 575/ HMI 575 GS/ HMQ 575/2

Because of its high internal pressure, there might be a risk that the Discharge lamp would explode during operation. The lamp emits intense UV radiation which is harmful to the eyes and skin. The high luminance of the arc can cause severe damage to the retina if looks directly at the lamp.

1. Always switch off the mains supply and never handle the lamp or luminaries when it's hot.
2. Do not touch the bulb with bare hands. If this happens, clean the lamp with denatured alcohol and wipe it with a lint free cloth before installation.
3. The lamp generates UV radiation. Never operate the lamp without appropriate shielding.
4. When burning, the lamp operates at high pressure and there is a slight risk of arc tube rupture. The risk increases with age, temperature and improper handling of the lamp. Do not use the lamp any longer than its specified life.

5. 3 DMX512 Configuration

8 Channels:

DMX512 Configuration							
Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7	Ch8
Pan	Tilt	Strobe/Shaking	Gobo	Color	Gobo Rotation	Dimmer	Focus
		248-255 Open 240-247 Random Strobe 132-239 16-131 8-15 Open 0-7 Blackout	255 Rotation Fast 192 Rotation Slow 191 Rotation Slow 128 Rotation Fast 106-127 085-105 064-084 043-063 022-042 000-021	255 Rotation Fast 192 Rotation Slow 191 Rotation Slow 128 Rotation Fast 109-127 Red 091-108 Yellow 073-090 Magenta 055-072 Orange 037-054 Blue 019-036 Green 000-018 White	255 Rotation Fast 192 Rotation Slow 191 Rotation Slow 128 Rotation Fast 000-127 Position	255 100% 255 0 0% 0	255 0
G1	G2	G3	G4	G5			

5.3.1 iSolution Operation

- ◆ Consistent DMX configuration enable IRock 575S to be linked with iShow and iMove together and controlled at the same time.
- ◆ DMX address can be set remotely by iLead controller (please refer to the user manual of iLead controller). No need to calculate the DMX channels of each fixture in the chain.
- ◆ Automatic switching between DMX function and built-in stand alone programs.

5.3.2 DMX Controller

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

Press the **MENU** button up to when the **Addr** is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **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 8 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.

8 Channels:

			1
--	--	--	---

			9
--	--	--	---

			17
--	--	--	----

			25
--	--	--	----

14 Channels:

			1
--	--	--	---

			15
--	--	--	----

			29
--	--	--	----

			43
--	--	--	----

You have to set the fixture DMX address in 8 channels mode when you use IL-0824 controller. DMX address can be set remotely by IL-0824 controller. No need to calculate the DMX channels of each fixture in the chain.

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

8 Channels:

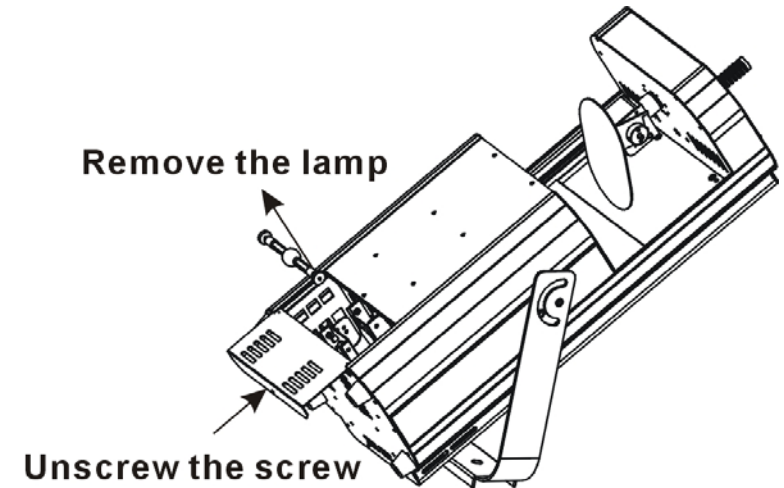
			1
--	--	--	---

			9
--	--	--	---

			17
--	--	--	----

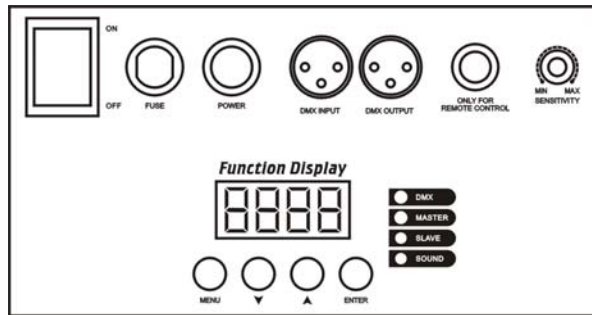
			25
--	--	--	----

5. Turn screws left and remove the cover as the drawing below.
6. Remove old lamp from lamp socket. Hold the new lamp only by its metallic base. Never touch the glass bulb. Insert the new lamp in the lamp socket.
7. Make sure the lamp is located in the center of the reflector for the best spot.



4. How To Set The Unit

4.1 Control Panel



Display

To show the various menu and the selected functions .

LED

DMX	On	DMX input present
MASTER	On	Master Mode
SLAVE	On	Slave Mode
SOUND	Flashing	Sound activation

Button

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

On/Off

Turns On/Off the power

Fuse

To replace the fuse

Power

To connect to the mains supply

Remote controller input

By connect to the 1/4" microphone jack to control the unit for Stand by, Function and Mode.

5.1 Master/Slave Built In Preprogrammed Function

By linking the units in master/slave connection, the first unit will control the other units to give an automatic, sound activated, synchronized light show. This function is good when you want an instant show. 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 have to select **SLAVE 1** (slave 1) or **SLAVE 2** (slave 2) mode, Their DMX cables plugged into the DMX input jacks (daisy chain) and the slave led lights will constantly on.

2-light show

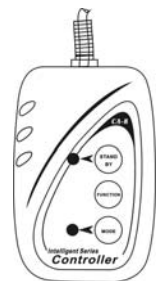
In **SLAVE 1** (slave mode), **SLAVE 1** means the unit works like the master unit and **SLAVE 2** means 2-light show. In order to create a great light show, you can set **SLAVE 2** on the second unit to get contrast movement to each other, even if you have two units only.

5.2 Easy Controller (Sold Separately)

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 control on the first unit will control all the other units as below.


Built-in lighting shows triggered by Easy Controller:

Stand by	Blackout the unit		
Function	Strobe 1. Sync. strobe 2. Async. strobe 3. Sound strobe	X/Y moving pattern selection (12 patterns)	Color/Gobo selection 1. Hold on for gobo change. 2. Press shortly for color change.
Mode	Sound 1 (LED off)	Sound 2 (LED normal blinking)	Slow/Sound 3 (LED on)




the display will blink. Use **DOWN** and **UP** button to adjust the R-gobo home position. Once the value has been selected, press the **ENTER** button to setup or automatically return to the offset functions without any change press the **MENU** button again, To go back to the main functions without any change after 8 seconds.

Gobo Adjust

Press the **MENU** button for at least 5 seconds into offset mode, use **DOWN** and **UP** button up to when the  is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to adjust the gobo home position. Once the value has been selected, press the **ENTER** button to setup or automatically return to the offset functions without any change press the **MENU** button again, To go back to the main functions without any change after 8 seconds.


Focus Adjust

Press the **MENU** button for at least 5 seconds into offset mode, use **DOWN** and **UP** button up to when the  is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to adjust the focus home position. Once the value has been selected, press the **ENTER** button to setup or automatically return to the offset functions without any change press the **MENU** button again, To go back to the main functions without any change after 8 seconds.

5. How To Control The Unit

You can operate the unit in three ways:

1. By master/slave built-in preprogram function
2. By easy controller
3. By IL-0824 (only for setting in 8 channel mode, please refer to the user guide of iLead controller) or universal DMX controller

No need to turn the unit off when you change the DMX address, as new DMX address setting will be effected at once. Every time you turn the unit on, it will show  on the display and move all the motors to their 'home' position and you may hear some noises for about 20 seconds. After that the unit will be ready to receive DMX signal or run the built in programs.

Sensitivity

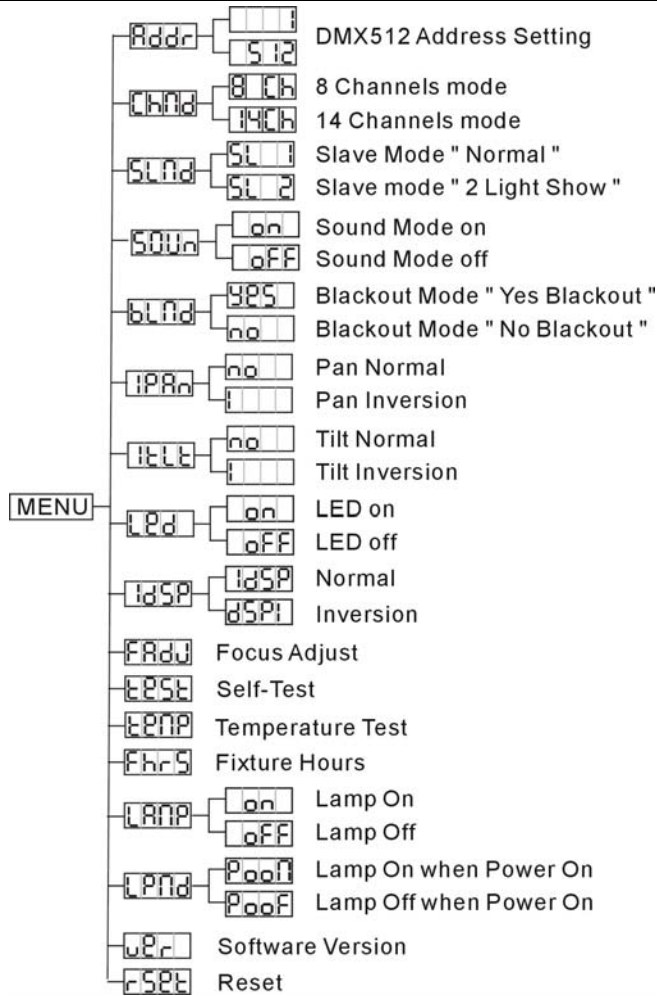
To adjust the sensitivity for sound activation

DMX input/output

For DMX512 link, use 3-pin XLR plug cable to link the unit together

4.2 Main Function

To select any of the given functions, press the **MENU** button up to when the required one is showing on the display. Select the function by **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the mode. Once the required mode has been selected, press the **ENTER** button to setup or it will automatically return to the main functions without any change after idling 8 seconds. To go back to the functions without any change press the **MENU** button. The main functions are showing below:



Addr DMX512 Address Setting

Press the **MENU** button up to when the **Addr** is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the DMX512 address. Once the address has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

button up to when the **OPAn** is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to adjust the pan position. Once the value has been selected, press the **ENTER** button to setup or automatically return to the offset functions without any change press the **MENU** button again, To go back to the main functions without any change after 8 seconds.

OTIL Pan Adjust

Press the **MENU** button for at least 5 seconds into offset mode, use **DOWN** and **UP** button up to when the **OTIL** is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to adjust the tilt position. Once the value has been selected, press the **ENTER** button to setup or automatically return to the offset functions without any change press the **MENU** button again, To go back to the main functions without any change after 8 seconds.

ODIN Dimmer Adjust

Press the **MENU** button for at least 5 seconds into offset mode, use **DOWN** and **UP** button up to when the **ODIN** is shown on the display. Pressing **ENTER** button. Use **DOWN** and **UP** button to adjust dimmer. Once the value has been selected, press the **ENTER** button to setup or automatically return to the offset functions without any change press the **MENU** button again, To go back to the main functions without any change after 8 seconds.

OCOL Color Adjust

Press the **MENU** button for at least 5 seconds into offset mode, use **DOWN** and **UP** button up to when the **OCOL** is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to adjust the color home position. Once the value has been selected, press the **ENTER** button to setup or automatically return to the offset functions without any change press the **MENU** button again, To go back to the main functions without any change after 8 seconds.

ORGO R-Gobo Adjust

Press the **MENU** button for at least 5 seconds into offset mode, use **DOWN** and **UP** button up to when the **ORGO** is shown on the display. Pressing **ENTER** button and

POoN (Lamp on when power on) or **POoF** (Lamp off when power on) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

U2r Software Version

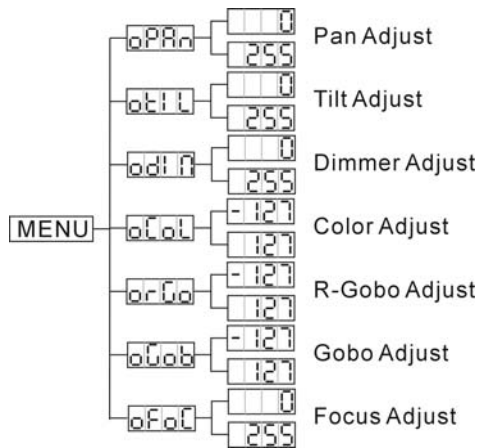
Press the **MENU** button up to when the **U2r** is blinking on the display. Pressing **ENTER** button and the display will show the software version. To go back to the functions press the **MENU** button again.

r52E Reset

Press the **MENU** button up to when the **r52E** is blinking on the display. Pressing **ENTER** button and all channels of the unit will return to their standard position. To go back to the functions press the **MENU** button again.

4.3 Home Postion Adjust

Press **ENTER** button for at least 5 seconds into offset mode to adjust the home position, the functions are shown below:



oPAN Pan Adjust

Press the **MENU** button for at least 5 seconds into offset mode, use **DOWN** and **UP**

CHNd Channel Mode

Press the **MENU** button up to when the **CHNd** is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the **8 CH** (8 Channels) or **14CH** (14 Channels) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

SLNd Slave Mode

Press the **MENU** button up to when the **SLNd** is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the **SL1** (slave 1) or **SL2** (slave 2) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

SOUn Sound Mode

Press the **MENU** button up to when the **SOUn** is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the **on** (sound mode on) or **oFF** (sound mode off) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

BLNd Blackout Mode

Press the **MENU** button up to when the **BLNd** is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the **YES** (yes blackout) or **no** (no blackout) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

IPAn Pan Inversion

Press the **MENU** button up to when the **IPAn** is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the **no** (normal) or **i** (pan inversion) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

ITLl Tilt Inversion

Press the **MENU** button up to when the **ITLl** is shown on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the **no** (normal) or **i** (tilt inversion) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

LEd Led Display

Press the **MENU** button up to when the **LEd** is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the **on** (Led on) or **off** (Led off) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

IdSP Display Inversion

It is good for you to install the unit on the floor or under ceiling. Press the **MENU** button up to when the **IdSP** is blinking on the display. Use the **ENTER** button to change to the mode **dSPi** (display inversion), It will automatically store after 8 seconds. Or press the **ENTER** button again return to the mode **IdSP** (display normal). To go back to the functions press the **MENU** button again.

IdSP Display normal mode for the fixture putting on the floor.

dSPi Display inversion mode for the fixture fixing under ceiling.

FADJ Focus Adjust

Press the **MENU** button up to when the **FADJ** is blinking on the display. Pressing **ENTER** button, use **UP** and **DOWN** button to adjust focus. To go back to the functions press the **MENU** button again.

TEST Self-Test

Press the **MENU** button up to when the **TEST** is blinking on the display. Pressing **ENTER** button and the unit will run self-test by built in program. To go back to the functions press the **MENU** button again.

TEMP Temperature Test

Press the **MENU** button up to when the **TEMP** is blinking on the display. Pressing **ENTER** button and the will show on the display. To go back to the functions press the **MENU** button again.

Fhrs Fixture Hours

Press the **MENU** button up to when the **Fhrs** is blinking on the display. Pressing **ENTER** button and the display will show the number of working hours of the unit. To go back to the functions press the **MENU** button again.

LAMP Lamp On/Off

Press the **MENU** button up to when the **LAMP** is blinking on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the **on** (Lamp on) or **off** (Lamp off) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press the **MENU** button again.

LPNd Lamp Mode

Press the **MENU** button up to when the **LPNd** is blinking on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the