Waterproof Wash 7x60w RGBW

User Manual

CONTENTS

01/Safety Instrution

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 to ensure 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 is blocked, otherwise the unit will be overheated.

• Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.

• 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 operate this product at a lower or higher temperature.

• DO NOT connect the device to any dimmer pack.

• Keep flammable materials away from the fixture while operating to avoid fire hazard.

• Make sure the power cord is not crimped or damaged; replace it immediately if damaged.

• Unit's surface temperature may reach up to 75℃. DO NOT touch the housing bare-handed during its operation.

• Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cut off the mains power immediately.

• DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.

• DO NOT touch any wire during operation as there might be a hazard of electric shock.

• Avoid entanglement of the power cord with other wires.

• The minimum distance to objects/surface must be more than 0.5 meters.

• 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 housing as there are no user serviceable parts inside.

• DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.

• Disconnect this product from its power source before servicing.

• DO use the original packaging if the device is to be transported.

• Avoid direct eye exposure to the light source while the product is on.

• DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once.

02/Technical Specifications

- Power Supply：AC100 - 240V, 50/60Hz
- Power consumption：500W
- Light Source：OSRAM 7*60W RGBW 4in1 LED
- DMX Channel：17 CH
- Pan：540°,16 Bit movement resolution，Automatically accurate positioning
- Tilt: 270°,16 Bit movement resolution，Automatically accurate positioning
- Strobe：1-25Hz/s electron stroboscopic and random stroboscopic
- Dimmer：0-100% linear electronic dimmer
- Zoom angle：6°-40°
- Control mode:DMX512,RDM,Sound,Master/Slave,Auto
- Protection Rating：IP65
- Product Size:375*319*496mm, N.W.:17kg
- Carton Size:400*350*530mm, G.W.:20kg

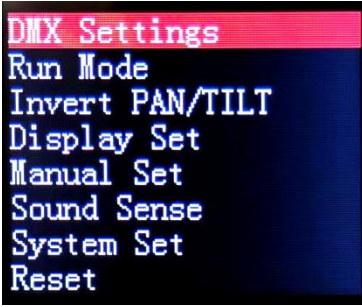## 03/Display panel
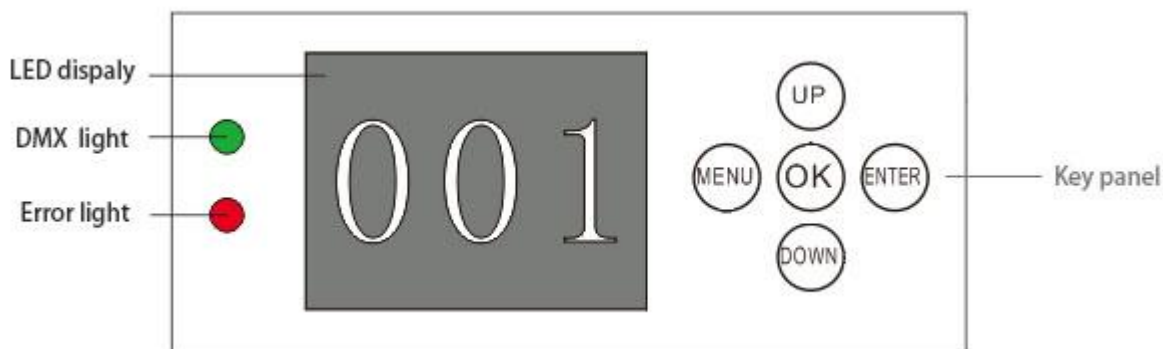
3.1 Button instruction:

1. Display： To show the various menus and the selected function
2. Buttons：
ENTER & MENU： To enter into move backward or leave the menu
UP： To go backward to move up in the menu
DOWN： To go forward to move down in the menu
OK： To perform the desired functions
3. POWER IN To connect to supply power
4. POWER OUT To connect to the next fixture
5. DMX OUT For DMX512 link, use 5-pin XLR cable to link the next units to output DMX signal (3-pin XLR cable is optional)
6. DMX IN For DMX512 link, use 5-pin XLR cable to link the unit and DMX controller to input DMX signal (3-pin XLR cable is optional)

3.2 Menu instruction：

```
DMX Settings
Run Mode
Invert PAN/TILT
Display Set
Manual Set
Sound Sense
System Set
Reset
```

3.2.1 DMX Settings

1) **DMX Address**：Select **DMX512 Address**, press **MENU**.

Use **UP/DOWN** button to select an address, confirm your selection with **OK** to save,press **ENTER** to exit the menu.

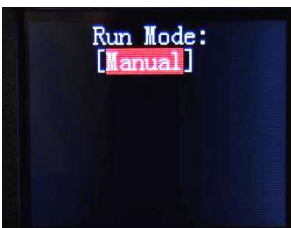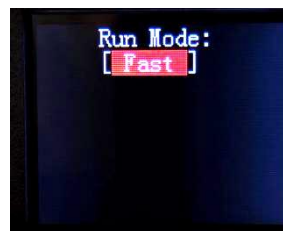2) **Channel Mode**: only a mode with 17CH,as shown below:

```
DMX512 Address:
    [001]
Channel settings:
    [17CH]
```

3.2.2 Control Mode

Select **Control Mode**, press **OK**.

Use **UP/DOWN** button to select one of the control mode(DMX512,RDM,Sound,Master/Slave,Auto), and then press **OK** to save, press **ENTER** to exit the menu.

as shown below:

```
Run Mode:
[ Dmx ]
```
```
Run Mode:
[ Slow ]
```
```
Run Mode:
[ Fast ]
```
```
Run Mode:
[Sound ]
```

```
Run Mode:
[Manual]
```
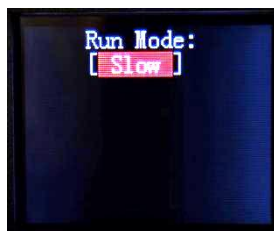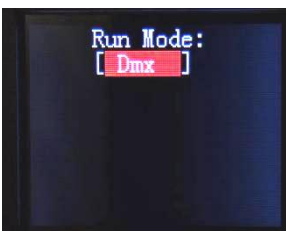
3.2.3 Pan/Tilt Fixture Settings

Enter the menu and select Fixture Settings, press **OK**. Use the **UP/DOWN** button to select Pan Invert,

Tilt Invert. **No** (Pan/Tilt invert deactivated) or **Yes** (Pan/Tilt invert activated),and then press **OK** to save, press **ENTER** to exit the menu .

as shown below:

3.2.4 Display Settings

Enter the menu and select Display Settings, press **OK**. Use the **UP/DOWN** button to select Display Invert, Language, or The LCD backlight.

1) Display Invert:

Select Display Invert, press **OK**.

Use **UP/DOWN** button to select **No** (display normal) or **Yes** (display inverted), confirm your selection with **OK**. To exit the menu, press **ENTER.**

2) Language：

Select Language, press **OK**.

Use **UP/DOWN** button to select English or Chinese, confirm your selection with **OK**. To exit the menu, press **ENTER.**

3) The LCD backlight:

Select The LCD backlight, press **OK**.

Use **UP/DOWN** button to **No** (The LCD backlight off after 15 seconds) or **Yes** (The LCD backlight on), confirm your selection with **OK**. To exit the menu, press **ENTER.**
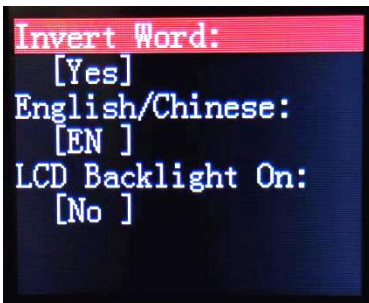
as shown below:

3.2.5 Manual Mode

Select manual mode, press **OK**.

Use **UP/DOWN** button to select the channel for which the manual mode is to be performed, confirm your selection with **OK**.

Use **UP/DOWN** button to select a value(000-255), confirm your selection with **OK**.

To exit the menu, press **ENTER**.

(The device returns to its original DMX state after the manual test. The test values are saved automatically when the device is switched off.)
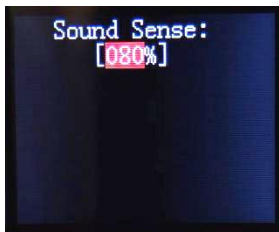
as shown below:

```
PAN        [042]   DIM_R      [255]
PANMICO    [000]   DIM_G      [255]
TILT       [034]   DIM_B      [255]
TILTMICO   [000]   DIM_W      [255]
XY_SPEED   [000]   CTO_CH     [000]
ZOOM       [111]   Macros     [000]
DIM        [255]   DY Eff     [000]
STROBE     [000]   Eff Speed  [255]
```

3.2.6 Sound Mode

Select sound mode, press **OK**.

Use **UP/DOWN** button to select a value(000-100%), confirm your selection with **OK**.

To exit the menu, press **ENTER**. as shown below:

```
Sound Sense:
   [080%]
```

3.2.7 System Settings:

Enter the system settings and press **OK**.

Use the **UP/DOWN** button to select Information, Factory Restore, or Internal system Settings.

1) Information: Fixture Use Hour, Temperature,Firmware Version and The Error Logs of Pan/Tilt Reset.

```
Use of time:004349mi
The version:V1
PAN reset:    Normal
TILT reset:   Normal
```

2) Factory Restore:

```
Default Settings
   [Yes?]
```

3) Internal system Settings:

The initial password of the Internal system Settings is "DOWN-DOWN-UP-UP".

Enter the offset menus and select a menu option or to confirm a selection, press the **OK**.

Such as Pan/Tilt or White Balance fine adjustment.

Use **UP/DOWN** button to select a value between 000 and 255, confirm your selection with **OK**.

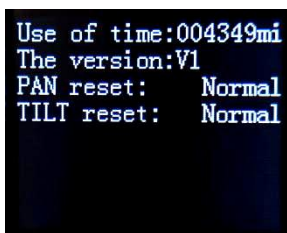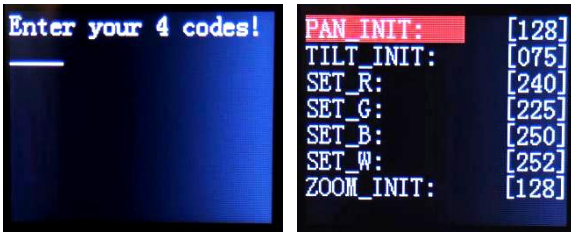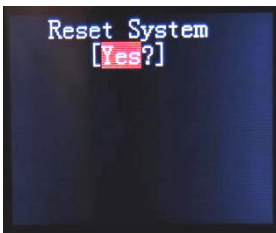To exit the menu, press **ENTER**. as shown below:

3.2.8 Reset Functions:

Enter the menu and select Reset Functions, press **OK**.

Use the **UP/DOWN** button to select **No** or **Yes** (the device will run built-in program to reset all to their home positions), confirm your selection with OK.

To exit the menu, press **ENTER**. as shown below:

04/DMX512 Configuration

17 Channels	FUNCTION	VALUE	Description
1	Pan	0-255	0°~540°
2	Pan fine adjustment	0-255	16 Bit movement resolution
3	Tilt	0-255	0°~270°
4	Tilt fine adjustment	0-255	16 Bit movement resolution
5	Pan/Tilt speed	0-255	Pan/Tilt speed from fast to slow
6	Zoom	0-255	distance from 0m to infinite
7	Dimmer	0-255	0%~100% linear dimmer
8	Strobe	0-3	Shutter turn off
		4-95	slow→fast (1Hz/s~25Hz/s)
		96-176	random stroboscopic
		177-255	fast electronic strobe
9	LED1R Dimmer	0-255	Red:0%~100%

10	LED1G Dimmer	0-255	Green:0%~100%
11	LED1B Dimmer	0-255	Blue:0%~100%
12	LED1W Dimmer	0-255	White:0%~100%
13	Precedence 5: CTO	0-9	Null
		10-255	10000K-2500K
14	Precedence 4: COLOR MACRO	0-9	Null
		10-19	Color 1
		20-29	Color 2
		30-39	Color 3
		40-49	Color 4
		50-59	Color 5
		60-69	Color 6
		70-79	Color 7
		80-89	Color 8
		90-99	Color 9
		100-109	Color 10
		110-119	Color 11
		120-129	Color 12
		130-139	Color 13
		140-149	Color 14
		150-159	Color 15
		160-169	Color 16
		170-179	Color 17
		180-189	Color 18
		190-199	Color 19
		200-209	Color 20
		210-224	Color jump effect
		225-239	Color pulse effect
		240-255	Color gradient effect
15	Precedence 2: Dynamic effect	0-9	Null
		10-33	Dynamic effect 1
		34-57	Dynamic effect 2
		58-81	Dynamic effect 3

		82-105	Dynamic effect 4
		106-129	Dynamic effect 5
		130-153	Dynamic effect 6
		154-177	Dynamic effect 7
		178-201	Dynamic effect 8
		202-225	Dynamic effect 9
		226-255	Dynamic effect 10
16	Light effect speed	0-255	fast→slow
17	Reset	0-200	Null
		201-205	Reset All in 3 seconds
		206-255	Null

05/Troubleshooting

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

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

·Check the connected power.

·Measure the voltage.

·Check the power indicator to see whether it can be lit up or not.

B. Not responding to the DMX controller

·Check whether the DMX connectors and the DMX cables are connected correctly.

·Check whether the DMX address is correctly set.

·If the intermittent DMX signal problem occurs, check whether the XLR socket and the signal cable are well connected.

·Try it with another DMX controller.

·Check whether the DMX cables run near or alongside to the high-voltage cables, which may damage or interfere with the signal circuit.

C. One of the channels is not working well

·The stepper motor might be damaged or the cable connected to the PCB might be broken.

·The motor's drive IC on the PCB might be out of condition.

D.Light bulbs some times good or not

·The bulb does not light up normally. See if the voltage is too high or too low.

·The internal temperature may be too high. If necessary, replace the cooling fan.

06/Fixture Cleaning

It is absolutely essential that the fixture is kept clean to ensure the maximum light-output and allow the fixture to function reliably throughout its life. The fixture must be cleaned regularly to avoid dust, dirt and smoke-fluid residues building up on or within the fixture. The cleaning frequency depends on the application environment. Clean the fixture immediately if the dust enters it to avoid damage to the optical lens due to excessive dust.

·A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should solvents be used.

·Always dry the parts carefully.

·Clean the external optical lens at least every 20 days.