

SHIELD IP12

PROFESSIONAL LED WASHER - 12 LEDS 6-IN-1 X 12W



USER MANUAL | MANUAL DE USUARIO

PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE USE
POR FAVOR LEA LAS INSTRUCCIONES ANTES DE USAR



1. MENU

| First Level Menu | Second Level Menu | Third Level Menu | Description |
|------------------|---------------------|-------------------------|-------------------------------|
| 1. DMX | Address: | 001-512 | DMX Address |
| | Channels: | 6/8/13-CH | DMX Mode |
| 2. Manual | 1. Red: | 000~255 | Manual Adjustment Mode |
| | 2. Green: | 000~255 | |
| | 3. Blue: | 000~255 | |
| | 4. White: | 000~255 | |
| | 5. Amber: | 000~255 | |
| | 6. UV: | 000~255 | |
| | 3. Auto | Yes/No | Auto Mode |
| 4. Program | Mode: | 1-16 | Built-in Program Mode |
| | Color (Mode: 1): | 1-33 | Built-in Program Static Color |
| | Speed (Mode: 2-16): | 1-100 (81) | Built-in Program Speed |
| | Strobe: | 0-99 | Built-in Program Strobe |
| 5. Slave | Yes/No | | Slave Mode |
| 6. Settings | 1. Curves Select | 1-4 (2) | Dimmer Curve Selection |
| | 2. Dimmer Speed | Fast/Smooth | Dimmer Speed Selection |
| | 3. Display | Normal/Inverted | Display Direction Setting |
| | 4. PWM Frequency | 12K/6K/3K/1K | PWM Frequency Setting |
| | 5. DMX Fail | Off/Hold/Manual/Program | DMX Signal Option |
| | 6. Backlight Time | 5s/10s/20s/30s/ON | Backlight Time Setting |
| | 7. Lock | On/Off | Standby Screen Lock |
| | 8. Key Backlight | On/Off | Key Backlight Setting |
| | 9. Factory | Yes/No | Restore Factory Settings |
| 7. Information | Version: x.x | | Version Display |
| | Temperature: xx℃ | | Temperature Detection |
| | Life Time: xxxx h | | Operating Time |
| | UID: xxxxxxxxxxxx | | Light Fixture UID |

2. DMX CHANNEL

| Function | DMX Value | Setting | 6-Ch | 8-Ch | 13-Ch | 32-Ch | 39-Ch |
|---------------|----------------------------|-------------|------|------|-------|-------|-------|
| Dimmer | 000-255 | 0~100% | | 1 | 1 | | 1 |
| Strobe Linear | 0-10 | No function | | 2 | 2 | | 2 |
| 11-255 | Slow to fast linear strobe | | | | | | |
| Strobe FX | 0-10 | No function | | | 3 | | |
| 11-255 | Slow to fast random strobe | | | | | | |
| Red | 000-255 | 0~100% | 1 | 3 | 7 | | |
| Green | 000-255 | 0~100% | 2 | 4 | 8 | | |
| Blue | 000-255 | 0~100% | 3 | 5 | 9 | | |
| White | 000-255 | 0~100% | 4 | 6 | 10 | | |
| Amber | 000-255 | 0~100% | 5 | 7 | 11 | | |
| UV | 000-255 | 0~100% | 6 | 8 | 12 | | |
| Color preset | 000-007 | No function | | | 4 | | |

PRODUCT OPERATION AND WORKING MODE INSTRUCTIONS

Switching Working Modes:
Press MODE or UP or DOWN to switch between menus.

DMX
Manual
Auto
Program
Slave
Settings
Information

Working Mode Descriptions:

a. DMX Mode:
This is the DMX mode. Press SETUP to enter. Use the UP/DOWN keys to select as follows:

DMX
Address: 001~512
Channels: 6/8/13-ch

b. Manual Dimming Mode:
This is the manual dimming mode. Press SETUP to enter. Use the UP/DOWN keys to select as follows:

PRODUCT OPERATION AND WORKING MODE INSTRUCTIONS

Manual

Red: 000~255

Green: 000~255

Blue: 000~255

White: 000~255

Amber: 000~255

UV: 000~255

c. Auto Mode:

This is the auto-running mode. It runs based on the speed and strobe settings of the built-in programs (Program Mode:02 to Program Mode:16).

Auto

Yes

No

d. Built-in Program Mode:

This mode has 16 built-in effect programs. Press SETUP to enter. Use the UP/DOWN keys to select as follows:

Mode:01 (Static color effect program)

Color: 01~33

Strobe: 00~99

Mode:02~16 (Built-in effect programs)

Speed: 001~100

Strobe: 00~99

e. Slave Mode:

This is the slave operation mode. When connected to the DMX line, it will sync with the master unit.

Slave

Yes

No

f. Settings Mode:

This mode is for settings. Press SETUP to enter. Use the UP/DOWN keys to select as follows:

Settings

Curves Select

Dimmer Speed

Display

PWM Frequency

DMX Fail

Backlight Time

Lock

Key Backlight

Factory

PRODUCT OPERATION AND WORKING MODE INSTRUCTIONS

Curves Select:

The product has 4 dimming curves available. Press SETUP to enter. Use the UP/DOWN keys to select as follows:

Curves Select

Linear

Square Law

Inv Square Law

S-Type

Dimmer Speed:

Press SETUP to enter. Use the UP/DOWN keys to select as follows:

Dimmer Speed

Fast

Smooth

Display Direction Setting:

Display

Normal

Inverted

PWM Frequency Setting:

PWM Frequency

12K

6K

3K

1K

DMX Fail Options:

Press SETUP to enter. Use the UP/DOWN keys to select as follows:

DMX Fail

Off (turns off the light when DMX signal fails)

Hold (maintains the current state when DMX signal fails)

Manual (switches to manual dimming mode when DMX signal fails)

Program (switches to built-in program mode when DMX signal fails)

Backlight Time Setting:

Backlight Time

5s

10s

20s

30s

ON

Key Backlight Setting:

Key Backlight

On

Off

Standby Screen Lock:

Lock

On

Off

Restore Factory Settings:

This function restores factory settings. All data will be reset. Press SETUP to enter. Use the UP/DOWN keys to select as follows:

Factory

Yes

No

g. Information Mode:

This mode stores related information as follows:

Information

Press SETUP for 5 seconds, enter 6468 to reset Life Time.

Infrared Remote Control Instructions

Note: When using the remote control, aim it at the receiving part for more flexibility.

ON/OFF:

This button is for the on/off function.

AUTO:

This button is for auto mode.

PRO:

Press this button to enter the built-in program mode. Use “+” or “-” to select built-in programs “Program 01-16”.

SOUND:

No function.

SPEED:

In built-in program mode (Program 02-16), press this button to enter speed settings. Use “+” or “-” to set the program running speed “Speed 01-100”.

STROBE:

In built-in program mode, press this button to enter strobe settings. If in strobe state, pressing this button stops the strobe; otherwise, it starts the strobe. Use “+” or “-” to set strobe value “Strobe 00-99”.

DIMMING:

Press this button to enter dimming mode. Press “R”, “G”, “B”, “W”, “A”, or “0(UV)” and then “+” or “-” to set the brightness value “0~255”.

0~9:

In non-dimming mode, these keys represent static colors. When not in data setting state, pressing a number key corresponds to a static color.

Colors: 0-UV, 1-Purple, 2-Magenta, 3-Orange, 4-White, 5-Pink, 6-Cyan, 7-Light Blue, 8-Yellow, 9-Warm White

Static Colors: R-Red, G-Green, B-Blue, A-Amber, W-White

Restore Factory Settings:

First press “OFF” then sequentially press “9”, “8”, “7” to restore factory settings.

RDM (Remote Device Management)

This product supports the RDM communication protocol, which allows bidirectional communication within the standard DMX512 protocol. It enables device control, configuration, and status monitoring, such as changing the fixture’s DMX address and DMX mode. Each RDM-compatible fixture can be identified by its unique UID code.

| Parameter ID | Discovery Command | SET Command | Get Command |
|-----------------------------|-------------------|-------------|-------------|
| DISC_UNIQUE_BRANCH | * | | |
| DISC_MUTE | * | | |
| DISC_UN_MUTE | * | | |
| DEVICE_INFO | | | * |
| SOFTWARE_VERSION_LABEL | | | * |
| DMX_START_ADDRESS | | * | * |
| IDENTIFY_DEVICE | | * | * |
| SUPPORTED_PARAMETERS | | | * |
| SENSOR_DEFINITION | | | * |
| SENSOR_VALUE | | | * |
| DMX_PERSONALITY | | * | * |
| DMX_PERSONALITY_DESCRIPTION | | | * |
| RESET_DEVICE | | * | |
| FACTORY_DEFAULTS | | * | |

Proper Usage Tips

Automatic Screen Lock:

After 30 seconds of no key operation, the screen locks automatically, displaying the current running mode, software version, and temperature. Press and hold MODE and SETUP for 3 seconds to unlock. In unlock state, pressing MODE and SETUP simultaneously quickly locks the screen (Lock setting in Settings must be ON).

Factory Reset:

After powering on, while the version information is displayed, press and hold MODE and SETUP for a few seconds to restore factory settings, initializing all data.

Usage According to Product Parameters:

Follow the product parameters to avoid safety incidents.

Environment Temperature:

If the operating environment temperature is outside the allowed range, reduce the usage time at full power to prevent overheating and damage.

Temperature Warning:

If the display shows Temperature × or during boot-up the screen shows ×, it indicates a temperature control fault. Check the internal temperature control connections to ensure proper operation.

Avoid Electric Shock:

Do not disassemble the fixture while it is powered on to avoid safety incidents.

