



YELLOWRIVER
MAKE YOUR STAGE TO BE MORE EXCELLENT

616pcs*0.5W LED Strobe Light



YR-W616WW (warm white)

User Manual

Please read these instructions carefully before use

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Section 1. Getting Started

- ✧ Unpacking
- ✧ Safety Instruction

Unpacking

1pc Fixture

1pc User Manual

Thanks for choosing our **LED strobe serial products** . Carefully unpack the box and check the contents to ensure that all parts are present and in good conditions. If anything damaged in transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If a fixture must be returned to manufacturer, it is important that the fixture be returned in the original manufacturer box and packing.



Safety Instruction

For your safe, please read this user manual carefully before turn on the fixture. This machine should be operated by qualified engineer!

- Please conserve this manual as operation guidance. If you sell this product to other user, please make sure that they also receive this user manual.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- If the fixture is intended to indoor use only. To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable, explosive or corrosive materials surrounded in 10 meters while operating.
- The unit must be installed in a location with adequate ventilation, at least 5 m away from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Some fixture may carry high heat, do not aim at objective more than 2 minutes.
- Safe rope should be used to install machine. Bearing of safe rope should be more than 3 times of the machine weight. Complimentary signal cable transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures. And a terminal should be added at the end of last fixtures' DMX sockets, 120 Ohm, 1/4W resistance need welding between Pin 2 and Pin 3.
- Always disconnect from the power source before servicing or replacing fuse/lamp and be sure to replace with same fuse/lamp size and type. Cut off power before moving, repairing and cleaning the machine.
- To avoid electric shock, all fixtures must be connected to circuits with a suitable earth connection.
- Always secure fixture using a safety chain and carrying handles.
- Do not operate at ambient temperatures higher than 104°F (40°C).
- The power cable for this fixture is 1 m², please mind the safety requirements in actual using, if any wrong operation, our company takes no responsibility for any loss. Also, make sure the power cord is never crimped or damaged.
- In case of failure or mis-function occurred, stop using immediately. Never try to repair the fixture by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Buy the same spare parts/components from manufacturer directly.
- Avoid direct eye exposure to the light source while it is on.
- Do not power on and power off the fixture frequently
- When use DMX controller, please make sure that there is no interference sources(e.g. intercom, high frequency radio waves and radiation source)

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 local distribution or after-sale service center.

Section 2. Set Up

- ✧ Installation
- ✧ Controlling Board
- ✧ Machine connection

Installation

- This machine should be mounted through the screw holes of truss. Safety rope is a must to fix fixture well. Make sure truss and safety rope have strong load capacity to bear more than 3 times of machine weight .
- This machine should be installed by qualified technician.

Controlling Board



MENU UP DOWN ENTER

Front display panel



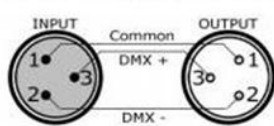
1. LED Display Panel
2. Button

Menu	Switch menu function
UP	Scroll upwards
DOWN	Scroll downwards
ENTER	Confirm by pressing ENTER

3. DMX Signal Input
3 PIN XRL port for DMX512 signal input (daisy chain);
4. DMX signal output
3 PIN XRL Port for DMX512 signal output (daisy chain);
5. Power Input
AC power cable port input
6. Fuse
7. Switch
On/off

Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end.



A word on termination: DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.



To build your own DMX Terminator: Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2&3 of the last fixture. They are also readily available from specialty retailers.

Master and slave: select one machine as master, press the menu to choose the function you want. Press other machines' address to be DMX state. Use signal cable to connect machines one by one. Then slave machines will run the same as master machine.

Use controller to control lot of machines: if all machines are set the same menu data, or different manual data, after use signal cable to connect to controller, all machines will be controlled by controller. (before connect to controller, all machines should be in the same channel mode 9 CH, 7 CH or 2 CH).

Section 3. Troubleshooting

Problem	Probable Cause(s)	Remedy
No response from fixture when power is applied	No power to fixture	Check power cables
	Primary fuse blown	Replace fuse
	Secondary fuse blown	Replace fuse
Fixture resets but does not respond correctly to controller(DMX mode operation)	Controller not connected	Connect controller
	Incorrect addressing of the fixtures	Check address setting on fixture and controller
	Bad data link connection	Inspect cables and correct poor connections and/or broken cables.
	Conflict between tracking and vector control	Eliminate scene cross-fade on controller
	Data link not terminated	Insert termination plug in output of last fixture
	Defective fixture or 2 devices transmitting on link	Bypass fixtures one at a time until normal operation is regained: unplug both connectors and connect them directly together
Colors cannot be mixed	Random color mixing is on	Turn off random color mixing
Fixture does not reset correctly	Electronic or mechanical failure	Contact service technician
No light, lamp cuts out intermittently, or burns out too quickly	Lamp missing or blown	Disconnect fixture and replace lamp
	Fixture or lamp is too hot	Allow fixture to cool. If problem persists, contact service technician

Section 4. Reference

- ✧ Control Menu
- ✧ DMX Protocol
- ✧ Dimmer Curve
- ✧ Specification

Control Menu

No.	Menu	Function
1	d9-	DMX menu 9 channel mode (need to connect console).
2	d.7--	DMX menu 7 channel mode (need to connect the console).
3	A2--	DMX menu 2 channel mode (need to connect console).
4	n---	n000 to n255: White brightness adjustment, from darkest to brightest
5	F---	F000 to F255: strobe speed adjustment, from slowest to fastest
6	C---	C000 to C255: Gradient speed adjustment, from slowest to fastest.
7	J---	J000 to J255: Jump speed adjustment, from slowest to fastest.
8	S---	S000 to S255: Voice control speed adjustment, from slowest to fastest.
9	T---	on high temperature half power, off high temperature half power. (not related to fans); When the temperature of the source reaches 80 degrees, the maximum power of the source is 50%. When the temperature drops to 58 degrees, the maximum power is 100%.
10	dr--	dr-0: standard dimming; dr-1: dimming curve 1; dr-2: dimming curve 2; dr-3: dimming curve 3; dr-3: dimming curve 4;

DMX protocol

9CH:

CH	Function	Specification
CH 1	Total dimming	0-255: Total dimming linear adjustment, from darkest to brightest.
CH 2	W1 dimming	0-255: White 1 linear adjustment, from darkest to brightest.

CH 3	W2 dimming	0-255: White 2 linear adjustment, from darkest to brightest.
CH4	W3 dimming	0-255: White 3 linear adjustment, from darkest to brightest.
CH5	W4 dimming	0-255: White 4 linear adjustment, from darkest to brightest.
CH6	strobe	0-5: Invalid 6-55: Random strobe 56-105: Pulse strobe 106-155: Average strobe 156-205: Lightning strobe 206-255: standard strobe
CH7	Self-propelled/voice controlled	0-10: invalid; 11-64: Gradient; 65-128: Jump; 129-192: voice strobe; 193-255: Voice controlled jump.
CH8	Self walking speed	0-255: Self-running speed adjustment, from the slowest to the fastest.
CH9	Dimming mode/high temperature half power setting	0-20: standard dimming; 21-40 dimming curve 1; 41-60: dimming curve 2; 61-80: dimming curve 3; 81-100: dimming curve 4; 101-149: invalid; 150-155(stay for 3 seconds) : turn off the high temperature half power function; 106-199: invalid; 200-205(stay for 3 seconds) : open high temperature half power function; 206-255 Invalid

7CH:

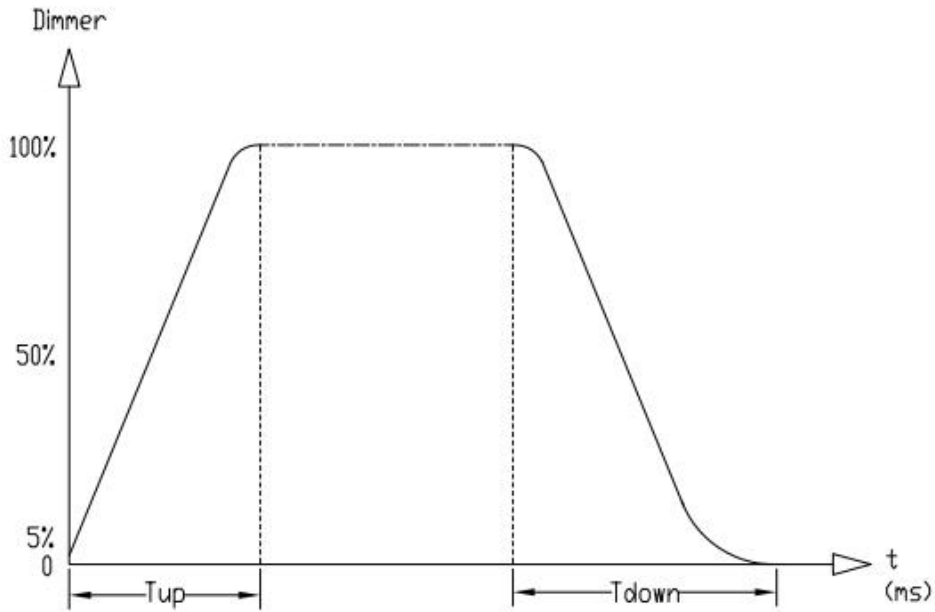
CH	Function	Specification
CH1	Total dimming	0-255: Total dimming linear adjustment, from darkest to brightest.
CH2	W1 dimming	0-255: White 1 linear adjustment, from darkest to brightest.
CH3	W2 dimming	0-255: White 2 linear adjustment, from darkest to brightest.
CH4	W3 dimming	0-255: White 3 linear adjustment, from darkest to brightest.
CH5	W4 dimming	0-255: White 4 linear adjustment, from darkest to brightest.
CH6	strobe	0-5: Invalid 6-55: Random strobe 56-105: Pulse strobe 106-155: Average strobe 156-205: Lightning strobe 206-255: standard strobe
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2CH:

CH	Function	Specification

CH 1	W dimming	0-255: White dimming linear adjustment, from darkest to brightest.
CH 2	strobe	0-5: Invalid 6-55: Random strobe 56-105: Pulse strobe 106-155: Average strobe 156-205: Lightning strobe 206-255: standard strobe

Dimmer Curves:



Ramp Effect	Menu	$T_{up}(ms)$	$T_{down}(ms)$
Standard Dimmer Curve	dr-0	0	0
Dimmer Curve 1	dr-1	980	1010
Dimmer Curve 2	dr-2	1210	1320
Dimmer Curve 3	dr-3	1600	1710
Dimmer Curve 4	dr-4	1850	1980

Specification

LED source specification

Led source: 616*0.5W (warm white 3200K)

Beam Angle: 110°

Control specification

Strobe: 0~30Hz

Dimmer : 1 standard +4 kinds of dimmer methods

Channel: 9/7/2CH (switchable)

Control Mode: DMX512/Manual/Master-Slave/Sound active

Cooling way: 1pcs temperature detect fan

Over heat protection:

When temperature up to 80°C, power consumption reduce to 50%; when temp. down to 65°C,will recover full power consumption to be 100% .

Noise:

Fan speed automatically adjust according machine temperature. The maximum noise is 43.3dB(1m distance)

Working Specification

Voltage: AC110V-240V

Frequency: 50/60Hz

Machine Power: 300W

Machine Specification

Display:Lcd Display

DMX: 3 pin or 5 pin

4 barn-door: movable

IP: IP20

Net weight:4.5kg

Size:43*22*8.4 cm



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The product Has Been Tested According To Technical Requirements And Passed:

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