

1000W LED
Waterproof Pixel Strobe Light



Use Manual

=====PROFESSIONALLIGHTING EQUIPMENT=====

一、 Specification

Input Voltage: AC90V-240V,50HZ--60HZ

Power:MAX.1000W, RGB full light 500W, white stroboscopic full light 500W

Optical Source: 420*RGB 3-in-1 1.5W light beads and 140*5W white light beads,4*5 pixels independent control,2*10 pixels independent control

Lifespan: more than 50000 hours

Function: can be monochrome, can be colorful gradual change, can be colorful jump change, can be strobe, uniform color

Control Mode: Auto - walk,, master - slave, DMX512,MADRIX mode

Dimming: 0--100% linear dimming

Direction Adjustment: manually adjust the lamp Angle, can be supported

Channels:84/80/19/15/8/4CH

Display Screen: LED digital screen + buttons

Protection Grade: IP65, built-in overheat and trigger high voltage protection device.

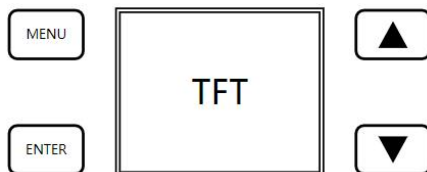
Product Size: 43.5*18.5*21CM

N.W: 8.45KG

Package Size: 49*31*23CM

G.W: 9.15KG

二、 Control Panel



MENU: return key ENTER: enter key ▲: + key ▼: - key

Key unlock procedure: ▲ ▼ ▲ ▼ ENTER

三、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 a weight of 10 times of the unit’ s weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

四、Menu Description

Level 1	Level 2	Value	Function Declaration
DMX512	Address	001 - 512	Address setting
	Channel Mode	4/8/15/19/80/84CH	Channel mode setting
Dimming	Red	000 - 255	Red dimming, from dark to bright
	Green	000 - 255	Green dimming, from dark to bright
	Blue	000 - 255	Blue dimming, from dark to bright
	White	000 - 255	White dimming, from dark to bright

	RGB Strobe	000 - 255	Slow on slow off strobe (001 - 050); Slow on fast off strobe (051 - 100); Fast on slow off strobe (101 - 150); Fast on and fast off strobe (151 - 200); Lightning strobe (201 - 250); Random strobe (251 - 255).
	W Strobe	000 - 255	
Auto Run	RGB Effect	00 - 50	RGB effect number
	RGB Speed	01 - 15	RGB effect speed
	RGB Color	00 - 07	RGB effect color
	W Effect	00 - 50	W effect number
	W Speed	01 - 15	W effect speed
Sound	Effect	1 - 3	Sound Mode
	Color	00 - 07	Sound effect color
	Sensitivity	01 - 15	Sound sensitivity setting
Setting	Power Limit	50% - 100%	Percentage of power limit of the whole lamp
	Fan Starting T	30 - 79	When the set temperature is reached, turn on the fan
	Language	中 / English	Chinese-English shift
	Reverse Display	ON / OFF	Inverted displays on or off
	Back Light Set	5/10/15/30/60/ON	Backlight screen lock time, unit: second
	Default	YES / NO	All values are restored to factory defaults

五、DMX Channels

4 Channel (whole lamp)

Channel	Value	Function Declaration
CH 1	000-255	R red dimming, from dark to bright
CH 2	000-255	G Green dimming, from dark to bright
CH 3	000-255	B Blue dimming, from dark to bright
CH 4	000-255	W White dimming, from dark to bright

8 Channel (whole lamp)

Channel	Value	Function Declaration
CH 1	000-255	Total dimming, from dark to bright
CH 2	000-255	Total Strobe duration
CH 3	000-255	Total Strobe speed
CH 4	005-050	Slow on slow off strobe effect
	051-100	Slow on fast off strobe effect
	101-150	Fast on slow off strobe effect
	151-200	Fast on and fast off strobe effect
	201-250	Lightning strobe effect
	251-255	Random strobe effect
CH 5	000-255	R red dimming, from dark to bright
CH 6	000-255	G Green dimming, from dark to bright
CH 7	000-255	B Blue dimming, from dark to bright
CH 8	000-255	W White dimming, from dark to bright

15 Channel (Basic Function)

Channel	Value	Function Declaration	
CH 1	000-255	Total dimming, from dark to bright	
CH 2	000-255	RGB Strobe	Slow on slow off strobe (001 - 050); Slow on fast off strobe (051 - 100); Fast on slow off strobe (101 - 150);

			Fast on and fast off strobe (151 - 200); Lightning strobe (201 - 250); Random strobe (251 - 255).
CH 3	000-005	Perform the (CH 6-8) RGB static dimming	
	006-008	Static color, CH4 Select (red, green, blue, yellow, purple, cyan, white)	
	009-011	Breathing effect, CH5 Select color	
	012-014	Jump change effect, CH5 Select color	
	015-017	Gradient change effect	
	018-020	Pulse change effect, CH5 Select color	
	021-025	Auto run effect-1, CH5 Select color(cycle auto run)	
	026-030	Auto run effect-2, CH5 Select color	
	031-035	Auto run effect-3, CH5 Select color	
	...	...	
	...	...	
	236-240	Auto run effect-44, CH5 Select color	
	241-245	Auto run effect-45, CH5 Select color	
	246-249	Auto run effect-46, full color effect	
	250-251	Sound mode 1, CH5 Select color	
	252-253	Sound mode 2, CH5 Select color	
	254-255	Sound mode 3, CH5 Select color	
CH 4	000-255	Static color mode: red, green, blue, yellow, purple, cyan, white. Auto run effect: adjustment speed, from slow to fast . Sound mode: adjustment sensitivity, from low to high (The highest sensitivity is the sensitivity set by the menu)	
CH 5	000-028	Default color	
	029-056	Red, CH3 Manual color selection	
	057-085	Green, CH3 Manual color selection	
	086-113	Blue, CH3 Manual color selection	
	114-142	Yellow, CH3 Manual color selection	
	143-170	Purple, CH3 Manual color selection	
	171-199	Cyan, CH3 Manual color selection	
	200-227	White, CH3 Manual color selection	

	228-255	User-defined color(CH6-CH8), CH3 Manual color selection	
CH 6	000-255	Auto run effect color: R red dimming, from dark to bright	
CH 7	000-255	Auto run effect color: G Green dimming, from dark to bright	
CH 8	000-255	Auto run effect color: B Blue dimming, from dark to bright	
CH 9	000-255	Background color: R red dimming, from dark to bright	
CH 10	000-255	Background color: G Green dimming, from dark to bright	
CH 11	000-255	Background color: B Blue dimming, from dark to bright	
CH 12	000-255	W static dimming, from dark to bright	
CH 13	000-255	W Strobe	Slow on slow off strobe (001 - 050); Slow on fast off strobe (051 - 100); Fast on slow off strobe (101 - 150); Fast on and fast off strobe (151 - 200); Lightning strobe (201 - 250); Random strobe (251 - 255).
CH 14	000-005	Perform the (CH 12) W static dimming	
	006-010	W effect-1 (cycle effect)	
	011-015	W effect-2	
	016-020	W effect-3	
	...	...	
	...	...	
	241-245	W effect-48	
	246-250	W effect-49	
	251-255	W effect-50	
CH 15	000-255	W effect adjustment speed, from slow to fast	

19 Channel (Basic Function)

Channel	Value	Function Declaration
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CH 1	000-255	Total dimming, from dark to bright
CH 2	000-255	RGB Strobe duration
CH 3	000-255	RGB Strobe speed
CH 4	005-050	Slow on slow off strobe effect
	051-100	Slow on fast off strobe effect
	101-150	Fast on slow off strobe effect
	151-200	Fast on and fast off strobe effect
	201-250	Lightning strobe effect
CH 5	000-005	Perform the (CH 8-10) RGB static dimming
	006-008	Static color, CH6 Select (red, green, blue, yellow, purple, cyan, white)
	009-011	Breathing effect, CH7 Select color
	012-014	Jump change effect, CH7 Select color
	015-017	Gradient change effect
	018-020	Pulse change effect, CH7 Select color
	021-025	Auto run effect-1, CH7 Select color(cycle auto run)
	026-030	Auto run effect-2, CH7 Select color
	031-035	Auto run effect-3, CH7 Select color
	...	...
	...	...
	236-240	Autorun effect-44, CH7 Select color
	241-245	Autorun effect-45, CH7 Select color
	246-249	Autorun effect-46, full color effect
	250-251	Sound mode 1, CH7 Select color
	252-253	Sound mode 2, CH7 Select color
	254-255	Sound mode 3, CH7 Select color
CH 6	000-255	Static color mode: red, green, blue, yellow, purple, cyan, white. Auto run effect: adjustment speed, from slow to fast . Sound mode: adjustment sensitivity, from low to high (The highest sensitivity is the sensitivity set by the menu) .
CH 7	000-028	Default color
	029-056	Red, CH5 Manual color selection
	057-085	Green, CH5 Manual color selection
	086-113	Blue, CH5 Manual color selection

	114-142	Yellow, CH5 Manual color selection
	143-170	Purple, CH5 Manual color selection
	171-199	Cyan, CH5 Manual color selection
	200-227	White, CH5 Manual color selection
	228-255	User-defined color(CH8-CH10), CH5 Manual color selection
CH 8	000-255	Auto run effect color: R red dimming, from dark to bright
CH 9	000-255	Auto run effect color: G Green dimming, from dark to bright
CH 10	000-255	Auto run effect color: B Blue dimming, from dark to bright
CH 11	000-255	Background color: R red dimming, from dark to bright
CH 12	000-255	Background color: G Green dimming, from dark to bright
CH 13	000-255	Background color: B Blue dimming, from dark to bright
CH 14	000-255	W static dimming, from dark to bright
CH 15	000-255	W Strobe duration
CH 16	000-255	W Strobe speed
CH 17	005-050	Slow on slow off strobe effect
	051-100	Slow on fast off strobe effect
	101-150	Fast on slow off strobe effect
	151-200	Fast on and fast off strobe effect
	201-250	Lightning strobe effect
	251-255	Random strobe effect
CH 18	000-005	Perform the (CH 14) W static dimming
	006-010	W effect-1 (cycle effect)
	011-015	W effect-2
	016-020	W effect-3
	...	...
	...	...
	241-245	W effect-48
	246-250	W effect-49

	251-255	W effect-50
CH 19	000-255	W effect adjustment speed, from slow to fast

80 Channel (point control)

Channel	Value	Function Declaration
CH 1	000-255	R1 red dimming, from dark to bright
CH 2	000-255	G1 green dimming, from dark to bright
CH 3	000-255	B1 blue dimming, from dark to bright
CH 4	000-255	W1 white dimming, from dark to bright
...	...	...
...	...	...
CH 77	000-255	R20 red dimming, from dark to bright
CH 78	000-255	G20 green dimming, from dark to bright
CH 79	000-255	B20 blue dimming, from dark to bright
CH 80	000-255	W20 white dimming, from dark to bright

84 Channel (point control)

Channel	Value	Function Declaration
CH 1	000-255	Total dimming, from dark to bright
CH 2	000-255	Total Strobe duration
CH 3	000-255	Total Strobe speed
CH 4	005-050	Slow on slow off strobe effect
	051-100	Slow on fast off strobe effect
	101-150	Fast on slow off strobe effect
	151-200	Fast on and fast off strobe effect
	201-250	Lightning strobe effect
	251-255	Random strobe effect
CH 5	000-255	R1 red dimming, from dark to bright
CH 6	000-255	G1 green dimming, from dark to bright
CH 7	000-255	B1 blue dimming, from dark to bright
CH 8	000-255	W1 white dimming, from dark to bright
...	...	...
...	...	...
CH 81	000-255	R20 red dimming, from dark to bright
CH 82	000-255	G20 green dimming, from dark to bright

CH 83	000-255	B20 blue dimming, from dark to bright
CH 84	000-255	W20 white dimming, from dark to bright

LED PIXEL ZONES:

80 Channel / 84 Channel

RGB1		RGB3		RGB5		RGB7		RGB9	
RGB2		RGB4		RGB6		RGB8		RGB10	
W1	W2	W3	W4	W5	W6	W7	W8	W9	W10
W20	W19	W18	W17	W16	W15	W14	W13	W12	W11
RGB19		RGB17		RGB15		RGB13		RGB11	
RGB20		RGB18		RGB16		RGB14		RGB12	

六、 Troubleshooting

Maintenance

Make sure fixture is cool and disconnected from power mains before any service. Weekly operating hours and environmental conditions will establish how often the fixtures need cleaning. Fixtures should be cleaned and inspected at least once a month to maintain optimum performance. Accumulation of dust and fog residue increases heat build up, can lead to malfunctions, overheating and reduction in maximum light output, reduced fixture life and over all performance.

- 1) Disconnect fixture from power mains.
- 2) Use a vacuum with a soft brush to remove dust collected on external vents and internal components. If using an air compressor, use low pressures and extreme care to prevent damaging any internal parts or effects.
- 3) Clean all optical elements when the fixture is cold. Use a soft lint free cotton cloth or tissue and cleaner safe for plastics.
- 4) Inspect clamps and safety cables regularly to ensure fixture is secure.
- 5) Please repair in the technical guidance of the manufacturers

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

A.The fixture does not work, no light

- 1.Check the connection of power and main fuse.
- 2.Measure the mains voltage on the main connector.

B.Not responding to DMX controller

- 1.DMX LED should be on. If not, check DMX connectors, cables to see if 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 fixture or the previous one.
- 4.Try to use another DMX controller.
- 5.Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C.Some fixtures 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.