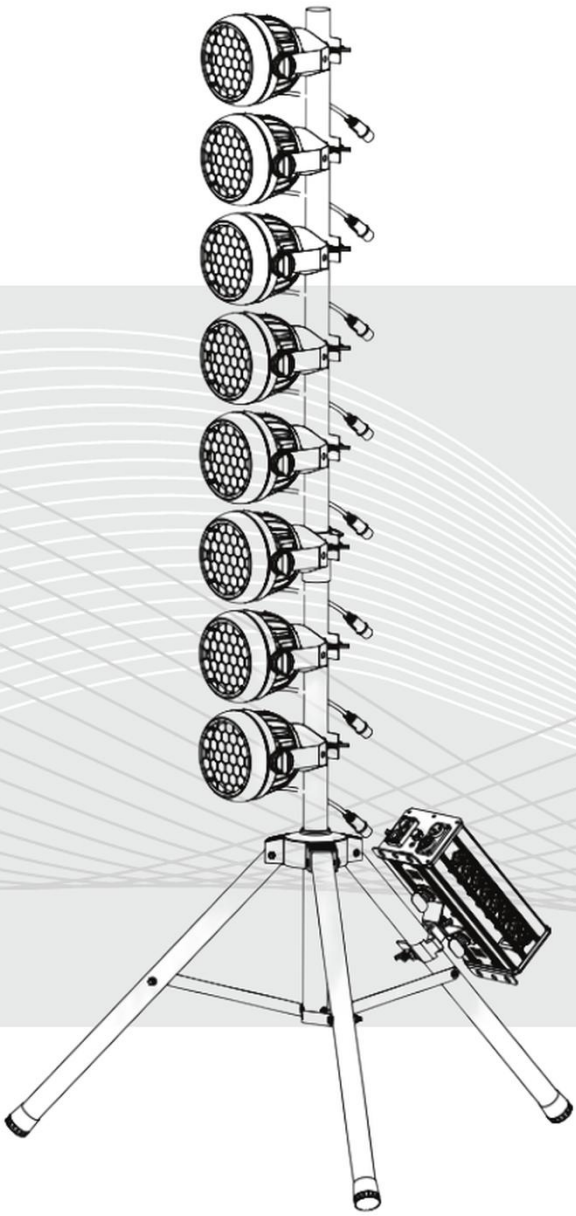
SSP PROFESSIONAL LIGHTING

RETRO 8X SET

User's Manual



RETRO 8X SET

English

Please read the user manual carefully
before using the appliance.

RETRO 8X SET USER MANUAL – INDEX

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RETRO 8X SET USER MANUAL

1 Unpacking and inspection

Check the carton on arrival. If anything is damaged, do not use the product and contact the dealer.

No.	Item	Qty
1	Blinder	1
2	1.5 m power cable	1
3	User manual	1
4	3 m connect cable	4
5	5 m connect cable	4
6	Omega bracket	1 set
7	DMX signal cable	1
8	Light hook (models available)	9
9	RF remote	1
10	2.5 m stand	1

2 Safety instructions

- Only qualified professionals may install, operate or repair the fixture. Stop using it at once if it fails and contact an authorized service center. Do not repair it yourself.
- Check that the supply voltage matches the rating (AC 100–240 V, 50–60 Hz). Connect to a fully grounded supply and bond the metal housing ground to the mounting bracket.
- Do not use a damaged power cord. Do not touch wires while the fixture is running. Unplug by the plug, not by the cord.
- Ambient temperature must stay between −20 °C and 40 °C. The housing can reach 60 °C in stable operation, so do not touch it.
- Do not mount the fixture directly on ordinary combustible surfaces. Do not immerse it in water for long periods.
- There are no user-serviceable parts inside. Never run the fixture with a housing open. Disconnect the power before any installation, maintenance or cleaning.

3 Product features

- Built-in master/slave, DMX and sound control, and self-propelled (auto run) modes.
- 1.3-inch OLED display with a 4-button menu.
- Five channel modes: 9CH, 13CH, 24CH, 43CH and 56CH.
- Light source: 8 × 100 W RGBA + WW LEDs. Single-color independent control.
- Wireless control at 315 MHz with the RF remote.

Item	Specification
Voltage	AC 100–240 V, 50–60 Hz
Dissipated power	810 W
Net weight	Lamp 1.5 kg; controller 3.2 kg
Dimensions	Lamp 200 × 118 × 178 mm; controller 316 × 152 × 1102 mm

3.1 Light output at 1 m (lux, 45°)

Color	Output
R	330
G	540
B	140
A	200
WW	1400
Full	2200

4 Control buttons

Button	Function
MENU	Enter or view menu functions
ENTER	Enter the selected function or confirm
DOWN	View the next menu item
UP	View the previous menu item

To select a function, press MENU and choose the item you want. Press ENTER to open it; the value starts to flash. Use DOWN and UP to change it, then press ENTER to confirm and save.

5 Display menu

5.1 DMX address and channel mode

Menu	Setting	Description
DMX Addr	001–512	DMX address (factory default 001)
Channel mode	9CH / 13CH / 24CH / 43CH / 56CH	Choose the DMX channel mode

5.2 Auto run (standalone) mode

Option	Setting	Description
Effect	Random and auto-run 01–12	Performance effect selection
Dimmer	0–255	Brightness
Strobe	0–100	Strobe speed
Speed	1–100	Performance speed
Sound mode	On / off	Voice (sound) control on and off
Sensitivity	0–100	Voice control sensitivity

5.3 Static mode

Option	Setting	Description
Dimmer	0–255	Brightness
Strobe	0–100	Strobe speed
Red / Green / Blue	0–255 each	Color brightness
Amber / White	0–255 each	Color brightness

5.4 Master-slave setup

Setting	Description
Master	Sets the fixture as master (Master effect).
Slave	Sets the fixture as slave, following the master.

5.5 LED control

Option	Setting	Description
Dimming curve	Linear / Square / Root / S-curve	Selects the dimming curve
Speed	Halogen / Smooth / Fast	LED change effect
Strobe frequency	1.2K, 2K, 4K, 6K, 10K, 15K, 20K, 25K	Strobe frequency

5.6 Advanced settings

Option	Setting	Description
Language	English / Chinese	Screen language
Screen inversion	No / yes	Normal or inverted display
Screen switch	Off / on	Off: backlight turns off after 30 s. On: always on.
No signal	Blackout / auto run / stay	State when the DMX signal is lost
RF remote	On / off	RF remote control on or off
Fan mode	Auto / slow / high	Fan speed
Service	Password	Service menu (backstage control)
Version	V1.0	Factory software version

5.7 Device information

Item	Description
Temperature display	Current lamp temperature; unit °C or °F
Working time	Hours the lamp has been used

6 Control methods

The fixture can be controlled in two ways:

- Master/slave built-in program control: all fixtures start as master. When linked in series, one becomes master and the rest become slaves automatically. You can also set the master manually.
- Universal DMX controller: set the DMX address first (1–512) so that the fixture receives the DMX signal.

7 DMX controller and terminator

Press MENU and select DMX 001. Press ENTER; the address flashes. Use UP and DOWN to set the address, then press and hold ENTER to save.

Connect the DMX output of the console to the DMX input of the first slave. Connect the DMX output of each slave to the DMX input of the next, and continue until all slaves are connected.

- Use a DMX terminator on the last fixture when the cable run is long or the area is electrically noisy (for example a dance hall). This prevents corruption of the DMX signal.
- The terminator is a 120 Ω resistor wired into a 2-pin or 3-pin XLR plug. Insert it into the XLR output of the last fixture.

8 Product installation

Mount the fixture using the lamp hook and bracket, choosing the hook that matches the mounting point. The installation diagrams from the original manual are not reproduced in this review version.

9 RF remote control

Button	Function
ON/OFF	Turns the light on or off
DIMMER	Press, then + or − to change the brightness
STROBE	Press, then + or − to change the strobe speed
COLOR	Selects the color
PROGRAM	Press, then + or − to select a program
SPEED	Press, then + or − to change the program speed
+ / −	Increase or decrease the value

10 Maintenance and cleaning

- Check that all screws and parts are tight, and that the housing, lens, fixings and mounting point are undamaged. Check the power cord too.
- Installation, use and service must be done by trained personnel.
- Unplug the power before any maintenance. Keep the lamp clean; use a professional glass cleaner, and never use solvents.
- Clean the interior and fan with a vacuum cleaner at least once a quarter.

11 DMX channel modes

The fixture has five DMX channel modes. The tables below follow the DMX chart. Where the chart gives no name or value for a channel, it is shown as Not in source.

11.1 9CH channel mode

CH	Function	DMX value	Description
1	Total dimming	0–255	LED total brightness 0–100%
2	Light on/strobe	0–7	Light on
		8–15	Light off
		16–131	Fixed strobe
		132–139	Light on
		140–181	Strobe fast on slow on
		182–189	Light on
		190–231	Strobe fast off slow on
		232–239	Light on
		240–247	Lightning flashes
		248–255	Light on
3	Red	0–255	Linear dimming 0–100%
4	Green	0–255	Linear dimming 0–100%
5	Blue	0–255	Linear dimming 0–100%
6	Amber	0–255	Linear dimming 0–100%
7	White	0–255	Linear dimming 0–100%
8	Dimming curve	0–15	Dimming curve, default menu
		16–75	Linear mode
		76–135	Square mode
		136–195	Exponential mode
		196–255	S-curve pattern
9	LED dimming speed	0–15	Dimming curve, default menu
		16–95	High-speed
		96–175	Smooth
		176–255	Halogen lamp

11.2 13CH channel mode

CH	Function	DMX value	Description
1	Total dimming	0–255	LED total brightness 0–100%
2	Main dimming fine	0–255	Fine-tune 0–100%
3	Light on/strobe	0–7	Light on
		8–15	Light off
		16–131	Fixed strobe
		132–139	Light on
		140–181	Strobe fast on slow on
		182–189	Light on
		190–231	Strobe fast off slow on
		232–239	Light on
		240–247	Lightning flashes
		248–255	Light on
4	Red	0–255	Linear dimming 0–100%
5	Green	0–255	Linear dimming 0–100%
6	Blue	0–255	Linear dimming 0–100%
7	Amber	0–255	Linear dimming 0–100%
8	White	0–255	Linear dimming 0–100%
9	Color wheel	0–5	No function
		6–125	Fixed color
		126–189	Color jump slow → fast
		190–255	Color gradient slow → fast
10	Performance effect	0–9	No function
		10–29	Effect 1
		30–49	Effect 2
		50–69	Effect 3
		70–89	Effect 4
		90–109	Effect 5
		110–129	Effect 6
		130–149	Effect 7
		150–169	Effect 8
		170–189	Effect 9
		190–209	Effect 10
		210–229	Effect 11
		230–249	Effect 12
		250–255	Random effect
11	Effect speed	0–249	Effect speed slow → fast

CH	Function	DMX value	Description
		250–255	Sound control
12	LED dimming curve	0–15	Dimming curve, default menu
		16–75	Linear mode
		76–135	Square mode
		136–195	Exponential mode
		196–255	S-curve pattern
13	LED dimming speed	0–15	Dimming curve, default menu
		16–95	High-speed
		96–175	Smooth
		176–255	Halogen lamp

11.3 24CH channel mode

CH	Function	DMX value	Description
1	First LED total dimming	0–255	LED total brightness 0–100%
2	First LED light on/strobe	0–7	Light on
		8–15	Light off
		16–131	Fixed strobe
		132–139	Light on
		140–181	Strobe fast on slow on
		182–189	Light on
		190–231	Strobe fast off slow on
		232–239	Light on
		240–247	Lightning flashes
		248–255	On/off
3	First LED color wheel	0–5	No function
		6–125	Fixed color
		126–189	Color jump slow → fast
		190–255	Color gradient slow → fast
4	Second LED total dimming	0–255	LED total brightness 0–100%
5	Second LED light on/strobe	0–7	Light on
		8–15	Light off
		16–131	Fixed strobe
		132–139	Light on
		140–181	Strobe fast on slow on
		182–189	Light on
		190–231	Strobe fast off slow on
		232–239	Light on
		240–247	Lightning flashes
		248–255	On/off
6	Second LED color wheel	0–5	No function
		6–125	Fixed color
		126–189	Color jump slow → fast
		190–255	Color gradient slow → fast
7–18	Third to sixth LED	–	Not in source
19	Seventh LED total dimming	0–255	LED total brightness 0–100%
20	Seventh LED light on/strobe	0–7	Light on
		8–15	Light off
		16–131	Fixed strobe
		132–139	Light on

CH	Function	DMX value	Description
		140–181	Strobe fast on slow on
		182–189	Light on
		190–231	Strobe fast off slow on
		232–239	Light on
		240–247	Lightning flashes
		248–255	On/off
21	Seventh LED color wheel	0–5	No function
		6–125	Fixed color
		126–189	Color jump slow → fast
		190–255	Color gradient slow → fast
22	Eighth LED total dimming	0–255	LED total brightness 0–100%
23	Eighth LED light on/strobe	0–7	Light on
		8–15	Light off
		16–131	Fixed strobe
		132–139	Light on
		140–181	Strobe fast on slow on
		182–189	Light on
		190–231	Strobe fast off slow on
		232–239	Light on
		240–247	Lightning flashes
		248–255	On/off
24	Eighth LED color wheel	0–5	No function
		6–125	Fixed color
		126–189	Color jump slow → fast
		190–255	Color gradient slow → fast

11.4 43CH channel mode

CH	Function	DMX value	Description
1	Total dimming	0–255	LED total brightness 0–100%
2	Main dimming fine	0–255	Fine-tune 0–100%
3	Light on/strobe	0–7	Light on
		8–15	Light off
		16–131	Fixed strobe
		132–139	Light on
		140–181	Strobe fast on slow on
		182–189	Light on
		190–231	Strobe fast off slow on
		232–239	Light on
		240–247	Lightning flashes
		248–255	On/off
4	LED1 Red	0–255	Linear dimming 0–100%
5	LED1 Green	0–255	Linear dimming 0–100%
6	LED1 Blue	0–255	Linear dimming 0–100%
7	LED1 Amber	0–255	Linear dimming 0–100%
8	LED1 White	0–255	Linear dimming 0–100%
9	LED2 Red	0–255	Linear dimming 0–100%
10	LED2 Green	0–255	Linear dimming 0–100%
11	LED2 Blue	0–255	Linear dimming 0–100%
12	LED2 Amber	0–255	Linear dimming 0–100%
13	LED2 White	0–255	Linear dimming 0–100%
14–33	LED3 to LED6	–	Not in source
34	LED7 Red	0–255	Linear dimming 0–100%
35	LED7 Green	0–255	Linear dimming 0–100%
36	LED7 Blue	0–255	Linear dimming 0–100%
37	LED7 Amber	0–255	Linear dimming 0–100%
38	LED7 White	0–255	Linear dimming 0–100%
39	LED8 Red	0–255	Linear dimming 0–100%
40	LED8 Green	0–255	Linear dimming 0–100%
41	LED8 Blue	0–255	Linear dimming 0–100%
42	LED8 Amber	0–255	Linear dimming 0–100%
43	LED8 White	0–255	Linear dimming 0–100%

11.5 56CH channel mode

CH	Function	DMX value	Description
1	LED1 total dimming	0–255	LED total brightness 0–100%
2	LED1 light on/strobe	0–7	Light on
		8–15	Light off
		16–131	Fixed strobe
		132–139	Light on
		140–181	Strobe fast on slow on
		182–189	Light on
		190–231	Strobe fast off slow on
		232–239	Light on
		240–247	Lightning flashes
		248–255	On/off
3	LED1 Red	0–255	Linear dimming 0–100%
4	LED1 Green	0–255	Linear dimming 0–100%
5	LED1 Blue	0–255	Linear dimming 0–100%
6	LED1 Amber	0–255	Linear dimming 0–100%
7	LED1 White	0–255	Linear dimming 0–100%
8–49	LED2 to LED7	–	Not in source
50	LED8 total dimming	0–255	LED total brightness 0–100%
51	LED8 light on/strobe	0–7	Light on
		8–15	Light off
		16–131	Fixed strobe
		132–139	Light on
		140–181	Strobe fast on slow on
		182–189	Light on
		190–231	Strobe fast off slow on
		232–239	Light on
		240–247	Lightning flashes
		248–255	On/off
52	LED8 Red	0–255	Linear dimming 0–100%
53	LED8 Green	0–255	Linear dimming 0–100%
54	LED8 Blue	0–255	Linear dimming 0–100%
55	LED8 Amber	0–255	Linear dimming 0–100%
56	LED8 White	0–255	Linear dimming 0–100%