

ST300 Multifunctional Indoor Strobe

YL LIGHT Professional User Manual | Product 127



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1. Safety, Installation and Connections

Inspection	After unpacking, inspect the enclosure, screws, front panel and cables for transport damage.
Grounding	This is Class I equipment and must be connected to protective earth by qualified personnel.
Mounting	Use rated clamps, a stable support and an independent safety attachment.
Environment	The manual states IP22 for dry indoor use; keep away from rain, moisture, smoke oil and excess dust.
Power	Rated input is AC90-240V 50/60Hz; verify final current, fuse and link capacity on the production nameplate.

Rated power	300W
Main source	30 x 5W 3535 SMD white LEDs
Background	480 x 0.5W 3535 SMD RGBW LEDs
Strobe	1-30Hz
Dimming	Claimed 32-bit 0-100% linear dimming
Control	DMX512 / RDM / auto / master-slave / sound
Channels	11CH library verified; 120CH manual documented
Dimensions	Approx. 502 x 178 x 261.4 mm
Packing	57 x 24 x 22.5 cm; 6.7 kg net; 9 kg gross

2. Operation, Maintenance and Troubleshooting

1	Inspect and secure the fixture; confirm protective earth and correct voltage.
2	Select DMX, auto, sound or master-slave; ARENET is reserved only.
3	Select 11CH integrated or 120CH pixel mode and set the address.
4	Test dimmer, strobe, RGBW, scenes, speed and background brightness.
5	Clean front glass monthly and inspect clamps, cables and enclosure.
6	For power, DMX or output faults, stop use and refer unresolved issues to qualified service.

3. 11-Channel DMX Table (Library and Manual Aligned)

1	Master dimmer	0-255	0-100%
2	Strobe	0-19 / 20-255	Open / slow to fast
3	Red	0-255	0-100%
4	Green	0-255	0-100%
5	Blue	0-255	0-100%
6	White	0-255	0-100%
7	Color macro	0-46 / 47-242 / 243-255	Open / macros 1-185 / dynamic color programs
8	Scene	0-10 / 11-195 / 196-230 / 231-255	Open / scenes / programs / sound control
9	Scene speed	0-255	Slow to fast
10	Background color	0-255	Effect background color
11	Background dimmer	0-255	Background brightness

4. 120-Channel Pixel Mapping (Groups 1-15)

1-4	1	Red / Green / Blue / White	0-255 each
5-8	2	Red / Green / Blue / White	0-255 each
9-12	3	Red / Green / Blue / White	0-255 each
13-16	4	Red / Green / Blue / White	0-255 each
17-20	5	Red / Green / Blue / White	0-255 each
21-24	6	Red / Green / Blue / White	0-255 each
25-28	7	Red / Green / Blue / White	0-255 each
29-32	8	Red / Green / Blue / White	0-255 each
33-36	9	Red / Green / Blue / White	0-255 each
37-40	10	Red / Green / Blue / White	0-255 each
41-44	11	Red / Green / Blue / White	0-255 each
45-48	12	Red / Green / Blue / White	0-255 each
49-52	13	Red / Green / Blue / White	0-255 each
53-56	14	Red / Green / Blue / White	0-255 each
57-60	15	Red / Green / Blue / White	0-255 each

5. 120-Channel Pixel Mapping (Groups 16-30)

61-64	16	Red / Green / Blue / White	0-255 each
65-68	17	Red / Green / Blue / White	0-255 each
69-72	18	Red / Green / Blue / White	0-255 each
73-76	19	Red / Green / Blue / White	0-255 each
77-80	20	Red / Green / Blue / White	0-255 each
81-84	21	Red / Green / Blue / White	0-255 each
85-88	22	Red / Green / Blue / White	0-255 each
89-92	23	Red / Green / Blue / White	0-255 each
93-96	24	Red / Green / Blue / White	0-255 each
97-100	25	Red / Green / Blue / White	0-255 each
101-104	26	Red / Green / Blue / White	0-255 each
105-108	27	Red / Green / Blue / White	0-255 each
109-112	28	Red / Green / Blue / White	0-255 each
113-116	29	Red / Green / Blue / White	0-255 each
117-120	30	Red / Green / Blue / White	0-255 each

6. Control Profiles and Support

11CH	D4, XML and R20 libraries align with the manual functions.
120CH	The manual maps thirty RGBW groups; no independent 120CH library is supplied.
Art-Net	ARENET is reserved in the menu and is not claimed active.
□□	Rated current, fuse specification/location and power-link quantity require final nameplate confirmation.
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