

YL
LIGHT

1000W WATERPROOF LED FRAMING PROFILE MOVING HEAD

Product User Manual



800W LED MODULE

38CH + 41CH

4-50 DEG ZOOM

IP66 CLAIM / CERT TBC

Read this manual completely before installation and operation. Verify final production nameplate, ingress certification, firmware profile and electrical protection values before release.

Guangzhou Yeliang Optoelectronic Technology Co., Ltd.
Guangzhou, China | <https://yলাudioolight.com/>

1. Product Overview

The Product 165 platform is a professional outdoor-oriented LED framing-profile moving head. The English source manual claims AC100-240V 50/60Hz, 1000W rated input, an 800W OSRAM LED module, 7200K source temperature, 4-50-degree motorized zoom, CMY mixing, CTO, fixed and rotating gobos, a 3-facet prism, frost, iris, framing and 540/270-degree movement.

The supplied D4 library declares 38CH and 41CH families. The R20 and XML identify 38CH. Final firmware identity and every detailed DMX range must be validated before patching.

2. Safety

- Qualified personnel must install, rig, operate and service the fixture.
- Disconnect power before installation, cleaning or service. Internal LED drivers and electronics are not user-serviceable.
- Use rated clamps and an independent safety attachment. Verify the support can carry the required safety factor.
- Keep ventilation paths clear and maintain safe clearance from people, flammable material and illuminated objects.
- Protect all sealed connectors from damage and keep unused covers closed for outdoor use.
- Do not look directly into the high-intensity optical output. Use venue-appropriate eye and audience safety controls.

IP66 is a manual claim. Final production seals, ingress test report and certification are not supplied and remain TBC.

3. Installation and Connection

Lock pan/tilt for transport only and unlock before operation. Secure the base with rated clamps, attach a secondary safety cable, confirm full movement clearance and route cables without strain or collision risk.

Power

Use protective earth and a suitably protected circuit. AC100-240V and 1000W are manual claims. Rated current, fuse value, fuse-holder position and maximum linked units remain TBC.

DMX / RDM

Use screened twisted-pair cable and termination at the last fixture. Set address and choose the verified 38CH or 41CH firmware mode.

Weather protection

Inspect sealed power/DMX connectors, covers, enclosure joints and cable glands before outdoor operation.

4. Operation

Commission in this order: secure rigging and secondary safety; verify grounded power; unlock movement; patch the final firmware profile; address DMX; test shutter and dimmer; then verify CMY, CTO, color, gobos, prism, frost, iris, focus, zoom, framing, pan/tilt and reset functions at a safe intensity.

The source manual documents DMX, auto, sound and scene modes, master/slave behavior, RDM addressing, display lock, signal-loss behavior, inversion, encoder correction, error logs and temperature/status pages. Menu options may vary with production firmware.

5. DMX Channel Overview

The following high-level map consolidates the source manual and supplied library families. In 38CH mode, the final function/speed and TINT channels are absent or mapped differently. The 41CH family includes CH39 reset/function, CH40 function/speed and CH41 TINT.

CH	Function	Range	Description
1	C	0-255	Cyan mixing
2	M	0-255	Magenta mixing
3	Y	0-255	Yellow mixing
4	CTO	0-255	CTO correction claim, 2500-6500K
5	Color wheel	0-255	White, five colors, split colors and scrolling
6	Strobe	0-255	Blackout, pulse/fade/random strobe and open ranges
7	Dimmer	0-255	0-100% intensity
8	Dimmer fine	0-255	Fine intensity
9	Iris	0-255	Iris control
10	Fixed gobo	0-255	Four gobos, shake and bidirectional scroll
11	Rotating gobo	0-255	Seven gobos, shake and bidirectional scroll
12	Gobo rotation	0-255	Index and bidirectional rotation
13	Gobo fine	0-255	Fine gobo positioning
14	Prism	0-255	3-facet prism insertion
15	Prism rotation	0-255	Index and bidirectional rotation
16	Effect entry	0-255	Effect insertion
17	Gobo effect	0-255	Effect speed
18	Frost	0-255	Frost insertion
19	CRI	0-255	CRI function
20	Focus	0-255	Far to near
21	Focus fine	0-255	Fine focus
22	Zoom	0-255	Small to large, 4-50-degree claim
23	Zoom fine	0-255	Fine zoom
24	Frame 1	0-255	Framing blade axis 1
25	Frame 2	0-255	Framing blade axis 2
26	Frame 3	0-255	Framing blade axis 3
27	Frame 4	0-255	Framing blade axis 4
28	Frame 5	0-255	Framing blade axis 5
29	Frame 6	0-255	Framing blade axis 6
30	Frame 7	0-255	Framing blade axis 7
31	Frame 8	0-255	Framing blade axis 8
32	Frame rotation	0-255	Framing system rotation
33	Frame macro	0-255	Framing macro
34	Macro speed	0-255	Framing macro speed
35	Pan	0-255	0-540 degrees
36	Pan fine	0-255	16-bit fine pan
37	Tilt	0-255	0-270 degrees
38	Tilt fine	0-255	16-bit fine tilt

CH	Function	Range	Description
39	Reset / function	0-255	Effect, XY and full reset ranges
40	Function / speed	0-255	XY speed/function in extended mode; exact range TBC
41	TINT	0-255	TINT control in 41CH mode

Authority boundary: D4 declares 38CH + 41CH; R20/XML declare 38CH. Validate exact mapping and reset/macro thresholds against final production firmware.

6. Maintenance

Disconnect power and allow the fixture to cool. Clean the front lens with approved optical materials. Remove dust from fans and vents, inspect the LED temperature/status pages, check sealed connectors, cables, fasteners, framing and movement systems, and stop operation for abnormal focus, zoom, framing, pan/tilt, noise, heat or moisture. Internal service requires qualified personnel.

7. Troubleshooting

Symptom	First-line checks
No power	Verify nameplate, protective earth, circuit, cable and switch. Rated current and fuse data are TBC; use qualified service.
No DMX / wrong response	Check address, selected 38CH/41CH mode, cable and termination. Match libraries to final firmware.
No light output	Check shutter, dimmer, LED temperature, reset state and error log. Never bypass protection.
Framing / focus / zoom fault	Stop output and inspect channel values, macro state, motor errors and movement obstruction.
Intermittent operation	Inspect fans, vents, LED temperature, supply voltage, connectors and moisture ingress.

8. Technical Specifications

Item	Source-controlled specification
Product	1000W waterproof LED framing-profile moving head
Input	AC100-240V, 50/60Hz manual claim
Rated input	1000W manual claim
Light source	800W OSRAM LED module / 7200K manual claim
Zoom / CTO	4-50 degrees / CTO 2500-6500K claims
Control	38CH + 41CH / DMX512 / RDM
Movement	Pan 540 degrees / Tilt 270 degrees / 16-bit fine
Optics	CMY, CTO, color wheel, 4 fixed gobos, 7 rotating gobos, 3-facet prism, frost, iris, focus
Framing	Four blades / eight axes, rotation, macros and speed
Protection	IP66 manual claim; final test report and certification TBC
Size / net	410 x 277 x 660mm / 28kg
Electrical TBC	Rated current, fuse value and holder position
Packing TBC	Packing dimensions, gross weight and case data

9. Contact

Guangzhou Yeliang Optoelectronic Technology Co., Ltd.

Tel: +86 157 7061 9135

Email: info@yaudiolight.com

Website: <https://yaudiolight.com/>

Address: Guangzhou, China