



EFFECT LIGHTING SERIES

C9

FIREFLY LASEREFFECT LIGHT

DMX512 / STANDALONE/MASTER-SLAVE CONTROL



FIREFLY EFFECT

DMX512

AUTO PROGRAMS

MASTER-SLAVE

36 W

5 W

8 CH

AC 100-230 V

READ THIS MANUAL BEFORE INSTALLATION OR OPERATION

Keep this manual for future reference, service and DMX programming.

PRODUCT OVERVIEW

Thank you for choosing the C9 Firefly Laser Effect Light. The fixture is designed for compact decorative laser/effect applications and supports standard DMX512 control, standalone programs and master/slave operation. The supplied specification lists a 36 W rated power input, 5 W laser power, eight DMX channels, an iron housing and forced-air cooling. The supplied technical sheet also lists the operating environment as indoor.

BEFORE POWERING ON

Inspect the housing, screws, optical window, power lead and signal leads for shipping damage. Verify that the mains voltage matches the fixture and use a properly grounded supply.

LASER / CAMERA SAFETY

Do not stare into the optical aperture. Do not aim the beam at eyes, cameras or phones. Direct exposure can damage eyesight and imaging sensors.

PACKING LIST

C9 fixture x 1 | Product manual x 1

IMPORTANT PRODUCT-RATING NOTE

The source manual names the product as a waterproof firefly light but does not provide an IP rating, while its technical parameters specify indoor operation. This manual therefore treats the C9 as an indoor-use fixture unless a manufacturer-issued IP rating for this exact C9 version is available.

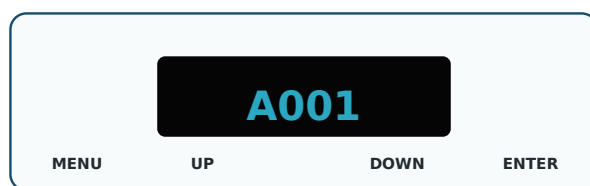




TECHNICAL PARAMETERS

Item	Specification
Product Model	C9
Product Type	Firefly laser / decorative effect light
Power Supply	AC 100-230 V, 50/60 Hz
Rated Power	36 W
Housing Material	Iron housing
Laser Power	5 W
Signal Connection	Signal input lead / output lead
Control Protocol	Standard DMX512
DMX Channels	8 channels
Control Modes	DMX512, standalone / self-running, master/slave
Cooling System	Forced-air fan cooling
Operating Environment	Indoor (per supplied specification)
Packaging	Carton
Net Weight	2.7 kg
Inner Carton Size	25 x 21 x 21 cm

DISPLAY PANEL AND BUTTON OPERATION



Button	Function	Description
MENU	Menu / Switch	Move through menu groups or return to the previous item.
UP	Increase	Increase a value or move to the next option.
DOWN	Decrease	Decrease a value or move to the previous option.
ENTER	Confirm	Open a selection and save the selected value.

DISPLAY MENU FUNCTIONS

Display	Function / Remark
A001-A512	Set the DMX starting address.
P11-P19	Red output; motor forward/reverse; speed increases from slow to fast.
P21-P29	Green output; motor forward/reverse; speed increases from slow to fast.
P31-P39	Blue output; motor forward/reverse; speed increases from slow to fast.
P41-P49	White output; motor forward/reverse; speed increases from slow to fast.
P51-P59	RGB color-jump program; motor direction changes; speed increases from slow to fast.
P61-P69	Seven-color jump program; motor direction changes; speed increases from slow to fast.
P71-P79	Seven-color fade program; motor direction changes; speed increases from slow to fast.
P81-P89	Seven-color pulse program; motor direction changes; speed increases from slow to fast.

OPERATING NOTE

Use MENU to select an item, UP/DOWN to adjust the displayed value and ENTER to confirm. Before connecting a controller, set a valid DMX address and reserve eight consecutive controller channels.





DMX512 CHANNEL FUNCTIONS - 8 CHANNELS

The C9 uses a standard 8-channel DMX512 profile. Set the correct starting address before connecting the controller. All values below are decimal values from 0 to 255.

CH	Function	DMX Value	Description / Remark
1	Master dimmer	000-255	Overall output level from dark to bright.
2	Red dimmer	000-255	Red output level from dark to bright.
3	Green dimmer	000-255	Green output level from dark to bright.
4	Blue dimmer	000-255	Blue output level from dark to bright.
5	Strobe	000-009	No strobe.
5	Strobe	010-255	Strobe speed increases from slow to fast.
6	Motor rotation	000-127	Forward rotation; speed increases from slow to fast.
6	Motor rotation	128-255	Reverse rotation; speed changes from fast to slow.
7	Mode / macro	000-050	Channels 1-5 are active for direct control.
7	Mode / macro	051-100	RGB color-jump program.
7	Mode / macro	101-150	Seven-color jump program.
7	Mode / macro	151-200	Seven-color fade program.
7	Mode / macro	201-250	Seven-color pulse program.
7	Mode / macro	251-255	Not specified in the supplied manual; leave unused unless confirmed by the manufacturer.
8	Motor speed	000-255	Motor speed from slow to fast; used with Channel 7 macro programs.

DMX CONNECTION NOTES



- Use a proper shielded DMX data cable for controller-to-fixture connections.
- Set each fixture to a non-overlapping 8-channel address range unless synchronized operation is intended.
- For longer runs, standard DMX termination practices may improve signal stability.

QUICK DMX SETUP

- 1 Connect the controller DMX OUT to the C9 signal input lead.
- 2 Set the fixture display to the required address from A001 to A512.
- 3 Patch eight consecutive DMX channels on the controller.
- 4 For manual color control, set Channel 7 to 000-050, then raise Channel 1 and the desired color channels above zero.
- 5 For built-in macro effects, use Channel 7 and adjust Channel 8 for motor speed.





CONTROL MODE SUMMARY

Mode	How to Select	Main Use
DMX512	Set a valid A001-A512 start address and connect a controller.	Direct control of dimmer, RGB output, strobe, motor direction and built-in macros.
Standalone / Self-running	Select one of the P-series programs on the display.	Controller-free playback for simple installations and demonstrations.
Master / Slave	Set one unit as the program source and link compatible C9 units with signal cables.	Synchronized playback across multiple fixtures.

INSTALLATION AND FIRST-USE PROCEDURE

Step	Procedure
1. Unpack and inspect	Check the housing, screws, optical window and all cables for shipping damage before applying power.
2. Verify the supply	Confirm that the available mains supply is within AC 100-230 V, 50/60 Hz.
3. Use protective grounding	The supplied manual identifies the fixture as Class I protective equipment. Connect it only to a properly grounded supply; electrical installation should be performed by qualified personnel.
4. Position securely	Place the fixture on a stable surface. For overhead installation, use a suitable primary mounting method plus an independent safety cable or equivalent secondary restraint.
5. Protect cooling airflow	Keep fan and ventilation paths unobstructed. Do not operate if cooling airflow is blocked.
6. Respect the documented environment	The supplied technical specification lists indoor operation. Do not expose the fixture to rain or outdoor conditions unless the exact C9 version has a manufacturer-confirmed IP rating.

RECOMMENDED CLEANING AND INSPECTION

Interval	Procedure
Before each use	Inspect mounting hardware, screws, signal leads, power cable and optical window.
Weekly	Wipe the outer housing with a soft, dry or slightly damp lint-free cloth.
Monthly	Clean the optical window with professional glass/optical cleaner and a soft lint-free cloth.
Monthly	Remove dust from ventilation openings and confirm fan airflow is unobstructed.
As required	Stop using the fixture if there is abnormal noise, smell, heat, output or motor behavior.

DISCONNECT POWER BEFORE SERVICE

Disconnect mains power before installation, cleaning, inspection or maintenance. Allow the fixture to cool before handling internal or optical components. Internal service should be performed by qualified personnel.





LASER AND GENERAL SAFETY

- Do not stare directly into the laser aperture or view the beam at close range.
- Do not aim laser output at people, animals, vehicles or aircraft.
- Do not aim the beam directly at phones, cameras or other imaging sensors; concentrated laser energy may damage them.
- Avoid highly reflective surfaces that can redirect the beam unpredictably.
- Use only a properly grounded supply within the rated voltage range.
- Keep the fixture stable and use an independent safety restraint for overhead installation.
- Keep ventilation openings clear during operation and disconnect power before service.
- The supplied documentation does not state a laser safety class. Do not assume a classification or regulatory approval; obtain manufacturer documentation where laser compliance is required.

TROUBLESHOOTING GUIDE

Symptom	Checks / Corrective Action
No power / no output	Verify the outlet, rated input voltage, power connection, and protective grounding. Inspect for visible shipping or cable damage before further use.
No DMX response	Confirm the start address, controller patch, cable direction and that eight consecutive channels are available.
Manual colors do not respond	Set Channel 7 to 000-050. Raise Channel 1 master dimmer and the desired color channels above zero.
No strobe	Check Channel 5. Values 000-009 are no-strobe; 010-255 increase strobe speed.
Motor behavior is unexpected	Check Channel 6 for direction/speed. When using Channel 7 macro programs, use Channel 8 to adjust motor speed.
Uncertain outdoor suitability	Do not rely on the product name alone. The supplied specification says indoor operation and does not provide an IP rating.

PACKING, STORAGE AND SUPPORT

PACKING / STORAGE

Standard packing list: C9 fixture x 1; product manual x 1.

Net weight: 2.7 kg
Inner carton: 25 x 21 x 21 cm

Store the fixture in a clean, dry location. Keep dust, dirt and smoke residue away from optical and ventilation areas.

STARSHINE LIGHTS SUPPORT

Product Model: C9
Website: www.starshinelights.com

Keep the product serial number, purchase information and a description of the operating mode available when requesting support.

C9 PRODUCT MANUAL - PROFESSIONAL ENGLISH EDITION

