



LANTA
PROFESSIONAL LIGHTING

Owner Handbook



Quasar Micro G50™
50mW Green Step Laser

About Lanta Lighting™

Based in the UK, Lanta are committed to providing high quality products at cost-effective prices to the professional lighting market. Since the first product was launched in 2006, Lanta has established a reputation for reliability, common sense design and customer support that has become the envy of others.

The Lanta Lighting range includes:-

Professional Lighting

Focussing on the use of LED technology, Lanta offer distinctive lighting effects for install and mobile applications. From washes to floods, spots to projectors, LED technology now outperforms traditional lights while at the same time requiring significantly lower power and generating far less unwanted heat.

Performance Lasers

Recent advances have reduced the costs of Lasers, made them more portable and brought improved performance and reliability. With step and animation lasers in multi and single colour formats for mobile DJs and static installs, Lanta promise Lasers that won't burn a hole in your pocket.

Atmospheric Effects

When you need special atmospheric effects, Lanta have everything from bubble machines to fake flame, hazers and foggers. There's also a range of fluids and consumables specially designed to get the best from the range.

Control Gear

Lightweight and portable, Lanta Control Gear is robust enough to survive life on the road and smart enough to control DMX kit whatever the venue.

Visit us at www.lantalighting.com for more details.

Owner Handbook Quasar Micro G50™



Getting to know your Lanta Product

The Lanta Quasar Micro G50™ is a 50mW fan cooled step laser with a single Green laser emitter. It features 11 Channel DMX control and due to its compact size is ideal for supplying effects in a discreet housing for many venues.

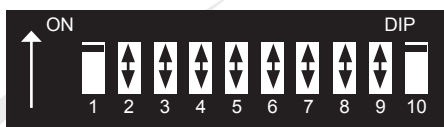
Laser Diode	Green Class 3b 50mW
Scanner Angle	±18°
Control Modes	11 Channel DMX, Sound Activated, Auto Run
Control Connections	3 Pin Female XLR socket, 3 Pin Male XLR socket
Power Requirement	100-240 Volt AC 50/60Hz
Dimensions W x D x H	210mm x 145mm x 115mm
Weight	1.4Kg

Owner Handbook Quasar Micro G50™

Operating Modes

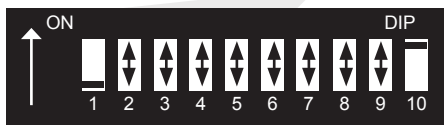
1- Auto Run Mode

All 50 in-built programs are run one after another in a continuous loop. Effects include Fan, Tunnel and Flowers. To select Auto Run Mode rear panel Dip Switch settings are;



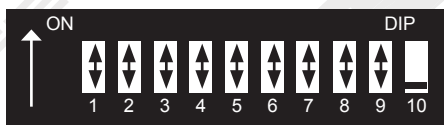
2- Sound Activated Mode

The unit responds to sounds picked up by the in-built mic. Each sound steps the Effect to the next in the sequence. To select Sound Activated Mode Dip Switch settings are;



3- DMX Control Mode

The unit responds to control signals sent from a standard DMX Control desk. To select DMX Control Mode rear panel Dip Switch settings are;



Choosing DMX Control Mode

Ensure that Dip Switch 10 is set to "On" to activate DMX Control Mode.

Setting the DMX Addresses

Dip Switches 1-9 on the Rear Panel set the DMX Address of the unit. This unit uses binary format, allowing values from 1 to 511 to be set. The DMX Address can be set when Dip Switch 1 represents "1"; Dip Switch 2 represents "2"; Dip Switch 3 represents "4"; Dip Switch 4 represents "8"; Dip Switch 5 represents "16"; Dip Switch 6 represents "32"; Dip Switch 7 represents "64"; Dip Switch 8 represents "128" and Dip Switch 9 represents "256".

Owner Handbook Quasar Micro G50™

DMX Control Channel Settings

The unit supports 11 Channel DMX control. Settings are as below;

11 Channel DMX

	* Ch1	Ch2	Ch3	Ch4	Ch5	Ch6
	Operating Mode	Pattern	Strobe	Brightness	Horizontal Motion	Vertical Motion
0-39	Off	Static	Least	Normal	Manual	Manual
40-69	Off	Moving	↑	Normal	Manual	Manual
70-139	Sound Active	Moving	↑	Bright	Manual	Manual
140-160	Auto Run	Moving		Bright	Manual	Manual
161-190	Auto Run	Moving		Bright	Auto 1 Way	Auto Down/Up
191-200	Auto Run	Moving		Bright	Auto 1 Way	Auto Up/Down
201-209	Auto Run	Moving		Bright	Auto 1 Way	Auto Up/Down
210-215	Manual	Moving	↓	Bright	Auto 1 Way	Auto Up/Down
216-220	Manual	Animation	↓	Bright	Auto 1 Way	Auto Up/Down
221-255	Manual	Animation	Most	Bright	Auto 2 Way	Auto 2 Way

11 Channel DMX (continued)

	Ch7	Ch8	Ch9	Ch10	Ch11
	Zoom	Not Used	Y-Axis Rotation	X-Axis Rotation	Z-Axis Rotation
0-10	None		Manual	Manual	Manual
11-92	Manual		Manual	Manual	Manual
93-146	Auto Out		Manual	Manual	Manual
147-150	Auto In		Manual	Manual	Manual
151-160	Auto In		Auto	Auto	Manual
161-180	Auto In		Auto	Auto	Manual
181-200	Auto In		Auto	Auto	Auto
201-255	Auto 2 Way		Auto	Auto	Auto

* For Manual control of Channels 5, 6, 7, 9, 10 & 11 ensure that DMX settings for Channel 1 is 210-255.

Owner Handbook Quasar Micro G50™

For your Safety

- Follow all instructions to maintain Manufacturer Warranty and for your own safety.
- Do not look directly into the laser unit when in operation.
- There are no user replacement parts inside the product. Do not open the product for any reason. This will invalidate your Manufacturer Warranty and may impair the safety features of the product.
- Do not expose this product to moisture, rain or other fluids.
- Do not use this product near water or other fluids.
- Do not use if the product if you suspect it has been damaged in any way, including being dropped, is malfunctioning, or has been exposed to liquids or moisture. The unit must be repaired by an authorised service centre only. Manufacturer Warranty is void if unit is opened or adapted in any way. Operator safety may be compromised if this product is not operated and maintained in accordance with the details contained in this Owner Handbook.
- This appliance must be earthed. Do not remove the earth connection in the plug or any other location- it is essential for user safety.
- Be aware that products are mains powered and may be capable of producing high voltages from its outputs and has mains voltages inside the cabinet.

Product Installation, Use & Maintenance

- Keep this Owner Handbook safe for future reference.
- Clean the product housing with a clean and dry, non-abrasive cloth. Do not use solvents or liquids to clean the product. Pay particular attention to the lens since this will require cleaning on a weekly basis to remove any oil residue that may have built up.
- To prevent overheating, do not obstruct any ventilation opening, fan cover or vent. Do not install near any sources of heat such as radiators, heaters, other heat producing items such as amplifiers, power units etc. Provide at least 1.5m of clear space around the unit and ensure no flammable items are nearby.
- Power connection to the product is via a UK 240 Volt AC three-pin mains plug. Do not remove or adapt this plug. If necessary, only replace the plug top fuse with one of the same type, size and value.
- The mains lead must not be crushed or damaged. If any damage occurs, disconnect from the mains immediately. Replace the damaged cable, or if the mains lead is captive, return the product to an authorised repair centre for cable replacement. Do not attempt to repair the cable - it must be discarded and destroyed.
- To maintain the Manufacturer Warranty, only attach authorised accessories and external devices. This includes cables, connectors and other electrical and/or mechanical devices.
- Unplug the product from the mains during lightning storms or periods of mains fluctuations. If the product is going to be unused for long periods, unplug from the mains.
- To prevent damage, allow the unit to cool for around 30 minutes after use.

Owner Handbook Quasar Micro G50™

Product Quality & Compliance

Products from Lanta Lighting meet all required safety standards in force at the time of manufacture and are fully compliant with them.

Unpacking & Inspection

- Inspect the packaging before opening. If the packaging appears to have sustained significant damage, please take extra care before using the product. If you are in any doubt, consult a suitably qualified professional.
- If you suspect the product has been damaged, do not use it. Return it to your original supplier without delay.
- Keep all packaging in a safe place for storage or transport in future.

Manufacturer Warranty

- This Manufacturer Warranty is valid in the UK only.
- Lanta Lighting warrants that this product is free from workmanship defects and material failure during normal use and operation for a period of 12 months from first use or from original date of sale (whichever is the earliest) providing all of the terms indicated in the warranty section have been fully complied with.
- Expressly excluded is our liability for any directly connected or indirectly connected item or items or any consequential loss associated with the failure of the product howsoever caused.
- If the product has been opened, modified, tampered with, incorrectly connected, used inappropriately or in conflict with the instructions herein, or the product model or serial number has been damaged, removed, tampered with, obliterated or made partly unreadable by any person or persons, the Manufacturer Warranty is irrevocably null and void.
- No extension, adaption, alteration or modification to the terms of this Manufacturer Warranty will be permitted, unless expressly authorised in writing (excluding email and fax) by a Director of Lanta Lighting. Warranty is transferrable during the Warranty period.

For Further Information about Lanta Lighting

Our website can be found at www.lantalighting.com and is available for the benefit of customers worldwide. Please consult for information, advice and support on this and other high quality products from Lanta.

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