

Starscape

Item ref: 152.740UK

Starscape Multi-Colour Laser Effect

User Manual



IMPORTANT SAFETY NOTICE
Please Read this manual before operating
VERSION 1.0



Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing this product. Please read this manual carefully to achieve the best results from your purchase and to avoid damage through misuse. This laser has been designed to create multiple laser effects and patterns across a wide area. Please keep this manual for future reference.



CAUTION



- **This Class 3B laser product emits hazardous levels of optical radiation and will cause injury to the eyes if viewed directly.**
- **This product is not suitable for projection directly at audiences or other personnel.**
- **This product must not be used for any form of audience scanning application and is for professional use only.**

Important information

This product is a Class 3B laser and should only be installed and used by personal who are trained in the management of laser radiation and are able to operate in accordance within the guidance given by the Health and Safety Executive (HSE) in HS(G)95: "The Radiation Safety of Lasers used for Display purposes".

Copies of this guide can be downloaded from the HSE website:

www.hse.gov.uk/pubns/priced/hsg95.pdf

This product contains no user-serviceable parts. Under no circumstances should any attempt be made by the user to modify it in any way.

Technical Specification

1. Voltage: 100-250Vac, 50/60Hz (IEC)
2. Rated Power: 10W
3. Green Laser: 50mW @515nm Wavelength
4. Red Laser: 80mW @638nm Wavelength
5. Blue Laser: 100mW @450nm Wavelength
6. Working Modes: DMX, Sound-Active, AUTO, Master-Slave.
7. DMX Control Channel: 5 Channels
8. Size: 190 x 145 x 85mm
9. Weight: 1.2Kg

Function & Setting

Sound-Activated Mode

When setting up sound activated mode please select *Sound* on the LED display on the back of the unit. Scroll through the menu to find *Sound* and press enter to make live. The patterns will change in accordance with the sound. If there is no sound detected from the microphone, then the laser will have no output.

AUTO Mode

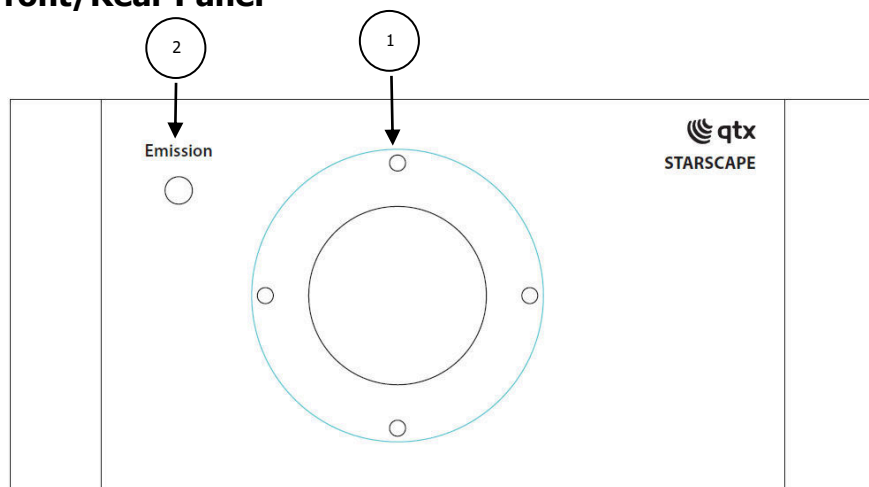
When this setting is live the laser will change patterns automatically and go through different cycles with no external control. The laser will not black out when in this mode.

DMX Control

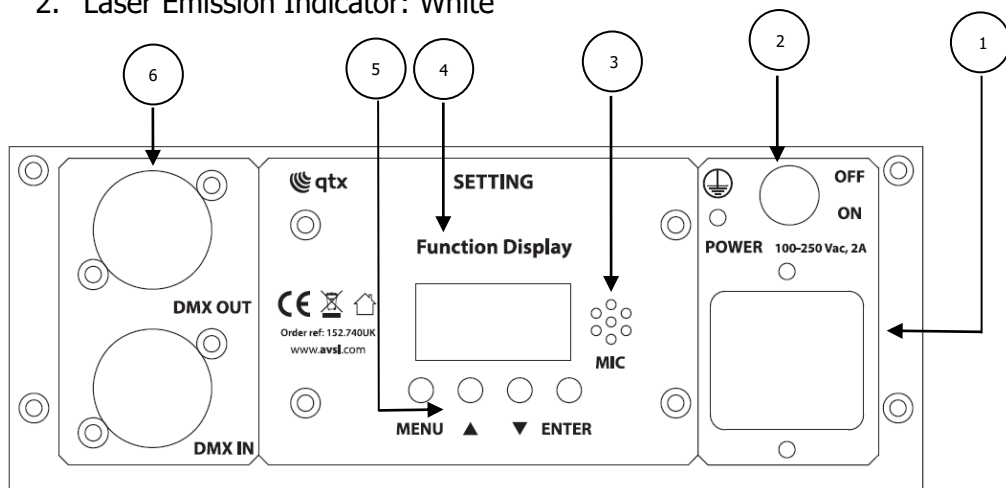
When controlling lasers via DMX set up the controller through the input socket. DMX can control the system mode, the laser pattern, the size, the position, the speed, etc.

For more information please see the Control Parameter Chart.

Front/Rear Panel



1. Laser Aperture
2. Laser Emission Indicator: White

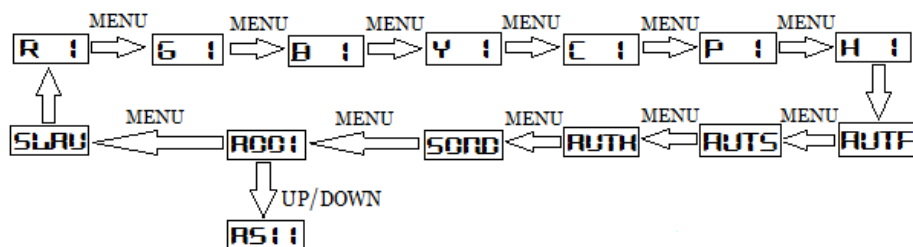


1. IEC Power
2. Laser Key Switch
3. Sound Active Microphone
4. LED Display
5. Setting Buttons
6. DMX or Linking Jack

DMX Control Parameter Chart

Channel	Function	Value	Description
CH1	Model Select	000-049	Laser OFF
		050-099	AUTO Fast Mode, seven-colour laser effect
		100-149	AUTO Slow Mode, seven-colour laser effect
		150-199	AUTO White Mode, white colour laser effect
		200-249	Sound Active Mode, seven-colour laser effect
		250-255	DMX Manual Mode, CH2-CH7 valid
CH2	Red Laser Dimmer	000-255	Dimmer laser output power from 0% to 100%
CH3	Green Laser Dimmer	000-255	Dimmer laser output power from 0% to 100%
CH4	Blue Laser Dimmer	000-255	Dimmer laser output power from 0% to 100%
CH5	Strobe	000-004	No strobe
		005-255	Strobe from fast to slow
CH6	Rolling Speed	000-255	Speed from fast to slow, 255 is stop
CH7	Rolling Direction	000-099	Clockwise moving
		100-199	Stop moving
		200-255	Anti- clockwise moving

Menu Operation Instruction



To choose a mode, cycle the menu and select your chosen operation and press enter to activate.

Sound Active Mode

During the sound mode, every time the unit records sound the LED display will change between 0 and 99, shown like 5000 to 5099.

DMX Mode

During DMX mode use the Up/Down buttons to change the DMX address and press the Enter button to save the parameter. The address on the LED display will be changed in relation to the address number (from A001 to A511).

LED Display	Description
r	Red AUTO mode, the number shows the current rotation speed
g	Green AUTO mode, the number shows the current rotation speed
b	Blue AUTO mode, the number shows the current rotation speed
y	Yellow AUTO mode, the number shows the current rotation speed
c	Cyan AUTO mode, the number shows the current rotation speed
P	Pink AUTO mode, the number shows the current rotation speed
H	White AUTO mode, the number shows the current rotation speed
AU E F	Auto mode with fast run
AU E S	Auto mode with slow run
AU E H	Auto mode with slow run for white colour laser
SO nd	Sound active mode
ADD	DMX mode, DXM address range from 1 to 511
SLA u	Slave mode

Troubleshooting

1. If the power supply indicator doesn't light up and the laser doesn't work, please check the power supply and the input voltage.
2. If the laser is not working in DMX mode, then please try one of the following; either check that the laser is in DMX mode or ensure that there is a good connection.



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

Errors and omissions excepted.

Copyright© 2021 AVSL Group Ltd, Unit 2 Bridgewater Park,
Taylor Road, Trafford Park, Manchester. M41 7JQ.

AVSL (Europe) Ltd, Unit 3D North Point House,
North Point Bus. Park, New Mallow Road, Cork, Ireland.