

GOBO Hex

6-in-1 LED and Laser Effect light

Item ref: 151.745UK

User Manual

Please read through this manual thoroughly before use, any damage caused by misuse of product will not be covered by warranty.

A lightweight 6-in-1 light effect combining a range of colourful GOBOS, 10W RGBW magic ball, 4x White Strobe/UV LEDs, 4x 4W RGBW PARs and Dual colour Laser in one convenient fixture. Easy to setup and use via an array of integrated automatic programs or sound to light. More precise control is provided via either 16-channel DMX connection or the included IR remote control.



In the box:

Your GOBO Hex should arrive with you in a single carton in good condition. The carton should contain 1 x main unit with bracket, 1 x UK IEC mains lead and 1 x manual.

Warning:

To prevent risk of fire or electric shock, do not expose the unit to rain or damp environments. In the event of a spillage, disconnect the mains and allow the unit to dry out naturally. Qualified personnel should then check the unit before continuing use.



Please do not open cover, contains high voltage. This product is not serviceable or repairable by the end user. Please refer to qualified personnel for service and repair.



Caution: Laser radiation

Avoid pointing directly towards eyes. Laser output can cause injury if viewed directly. This product is a Class 3B laser and should only be installed and used by persons 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 "The Safety of Laser Lighting Displays". Information on this guidance can be found on the following website: <https://www.hse.gov.uk/pubns/indg224.htm>



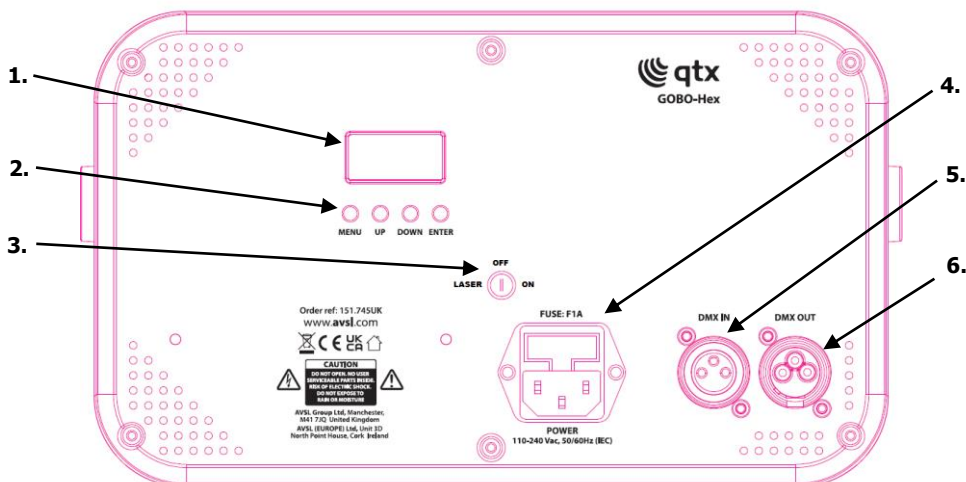
Placement:

- Use the included mounting bracket to fix to a stand or lighting truss.
- Use secondary safety fixings if mounting overhead.
- Keep away from damp or dusty environments.
- Ensure adequate airflow around the fixture housings.
- Ensure adequate access to controls and connections.
- Do not aim LED or laser output directly into line of sight, as this can result in eye injury.

Cleaning:

- Use a soft cloth with a neutral detergent to clean the casing as required.
- Use a vacuum cleaner to clear ventilation grilles of any dust or debris build-ups.
- Do not use strong solvents for cleaning the unit.

Rear panel controls:



1. LCD display
2. Control panel
3. Laser key

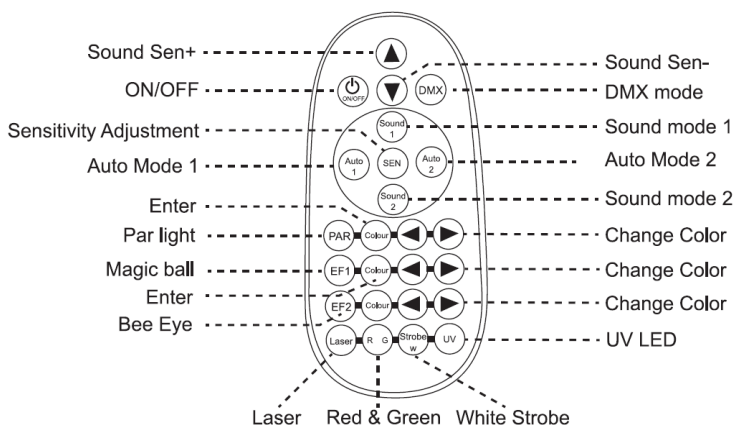
4. IEC mains in
5. DMX in
6. DMX out

Manual control menu:

Press the **"MENU"** button to enter the settings menu.
 Press **"UP"** and **"DOWN"** buttons to navigate through various setting functions.
 Press **"ENTER"** button to confirm the desired setting.

Menu level 1	Menu level 2	Description
Addr	A001 - A512	DMX address settings
Auto	Au1 - Au2	Auto run programs
	Sp1 - SP9	Auto program speed (slow to fast)
Soun	Sn1 - Sn2	Sound to light programs
	SE1 - SE9	Sound to light sensitivity (low to high)
bALL	ba01 - ba15	Magic ball colour select
	ba16	Magic ball colour jump
	SP1 - SP9	Magic ball jump speed (slow to fast)
	St0 - St9	Magic ball motor speed (slow to fast)
EyE	ut01 - ut15	GOBO pattern colour select
	ut16	GOBO pattern colour jump
	SP1 - SP9	GOBO pattern jump speed (slow to fast)
	St0 - St19	GOBO pattern motor speed (slow to fast)
LASE	LA1 - LA3	Laser colour select
	LA4	Laser colour jump
	SP1 - SP9	Laser jump speed (slow to fast)
	St0 - St19	Laser motor speed (slow to fast)
Par	Pa1 - Pa15	PAR light colour select
	PA16	PAR light colour jump
	Sp1 - Sp9	PAR light jump speed (slow to fast)
bLb	P000/P255	UV LED (on/off)
Stro	U000/U255	White LED (on/off)
	SP1 - SP9	White LED strobe (slow to fast)
LedF/Ledn		LED screen adjust (F=30 seconds only, n=always on)

Remote control:



DMX mode:

The GOBO Hex can be controlled by DMX signal, simply connect the DMX signal source to the DMX input on the unit via a balanced XLR lead. Extra fixtures can be controlled by the same DMX signal by looping through the DMX out on the unit. To enter DMX mode, select A001 from the menu and confirm the correct start address by using the "UP" and "DOWN" buttons and "ENTER". The A on the LED display will begin to flash once it's received the DMX signal from the controller. This unit has 16 DMX channels as indicated in the table below:

Channel	Function	DMX value and description
1	White LED	0-255 (low to high)
2	UV LED	0-255 (low to high)
3	CH1 Strobe effect	0-7 Off, 8-255 (slow to fast)
4	Magic ball macro definition	0-5 Off, 6-15 Red, 16-29 R+G, 30-43 Green, 44-57 G+B, 58-71 Blue, 72-85 B+W, 86-99 White, 100-113 R+W, 114-127 G+W, 128-141 R+B, 142-155 G+B+W, 156-169 R+G+B, 170-183 R+B+W, 184-197 R+G+W, 198-209 R+G+B+W, 210-250 Magic ball jump (slow to fast), 251-255 Magic ball strobe (slow to fast)
5	Magic ball motor	0-127 0°-160° Revolve, 128-255 Rotate (slow to fast)
6	GOBO pattern macro definition	0-5 Off, 6-15 Red, 16-29 R+G, 30-43 Green, 44-57 G+B, 58-71 Blue, 72-85 B+W, 86-99 White, 100-113 R+W, 114-127 G+W, 128-141 R+B, 142-155 G+B+W, 156-169 R+G+B, 170-183 R+B+W, 184-197 R+G+W, 198-209 R+G+B+W, 210-255 GOBO pattern jump (slow to fast)
7	GOBO pattern motor	0-004 Off, 005-127 Rotate clockwise (slow to fast), 128-133 Off, 134-255 Rotate anticlockwise (slow to fast)
8	Laser colour select	000-002 Off, 003-063 Red, 064-127 Green, 128-191 R+G, 192-255 R+G alternate (slow to fast)
9	Laser motor	000-004 Off, 005-127 Rotate clockwise (slow to fast), 128-133 Off, 134-255 Anticlockwise rotation (slow to fast)
10	Red PAR	0-255 Dimming (low to high)
11	Green PAR	0-255 Dimming (low to high)
12	Blue PAR	0-255 Dimming (low to high)
13	White PAR	0-255 Dimming (low to high)
14	PAR light mixing and dimming	0-15 Mixing and dimming active, 16-75 Colour change jump (slow to fast), 76-135 Colour change fade (slow to fast), 136-195 Colour change breathing (slow to fast), 196-255 Mixing strobe (slow to fast)
15	Auto and sound to light modes	0-10 Off, 11-110 Auto mode 1, 111-210 Auto mode 2, 211-235 Sound to light mode 1, 236-255 Sound to light mode 2
16	Auto and sound modes speed adjust	0-255 (slow to fast)

Specifications:

Power supply	110-240Vac, 50/60Hz (IEC)
Power consumption	80W
Fuse rating	F1A
Modes	Auto, Sound, DMX512, Master/Slave, Remote Control
DMX channels	16CH
Effect LEDs	6pcs GOBOs, 4pcs UV/Strobe, 1pc Colour Ball, 4pcs PAR
Connections	Power in (IEC), DMX in/out (3pin XLR)
Laser power	Red: 120mw & Green: 30mw

Laser class	3B
Remote battery	2x AAA (not supplied)
Dimensions	135 x 155 x 260mm
Weight	1.3Kg

Troubleshooting:

No power (mains)	Check mains voltage is correct and outlet is switched on Check IEC lead and fuse (if fuse continually blows, refer to your dealer)
No light output	Check control panel mode settings Check DMX settings from controller (dimmer levels, blackout etc.)
No strobe output	Check strobe settings on control panel or from DMX controller
No Laser output	Check laser key on rear panel is turned on
Unresponsive to DMX	Check that unit is in DMX mode and ensure the A on the DMX address flashes to confirm it's receiving a DMX signal
	Check DMX controller is not set to black out
	Check DMX controller is on correct fixture/page
	Check master dimmer value
	Check correct DMX address is set
Overheating/cutting out	Check DMX connection and leads
	Ensure adequate ventilation and unit is not too close to a heat source



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.

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