

SpectraBox

Item ref: 154.056UK

240W LED Colour Blinder and Strobe

User Manual

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

The SpectraBox is a powerful 240W Multicolour LED stage-blinder that can produce a vast array of moving effects, strobes and washes. Easy to setup and use via a wide range of integrated automatic and sound to light programs or for more precise control there are 4 DMX modes to choose from. Fitted with twist and lock power connections for a more professional feel and housed in an all-metal casing with fan cooling for durability and reliable operation.



In the box:

Your SpectraBox should arrive with you in a single carton in good condition. The carton should contain 1 x main unit, 1 fixing bracket with thumbscrews, 1 x twist and lock UK mains lead and 1 x user guide.

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.



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 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. Power input (twist and lock)
2. Power output (twist and lock)
3. Fan ventilation (do not cover)
4. DMX input

5. DMX output
6. Led display
7. Control panel

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.

Function	Description
A001-A512	DMX address settings
CH03-CH39	Switch between CH04, CH11, CH32 and CH39 then press Enter key to save (default CH11)

M000-M083	Switch between 84 different RGB effects then press Enter key to save
S000-S255	Modify the operating speed of the RGB effects (slow to fast) then press Enter key to save
M000-M040	Switch between 41 different White effects then press Enter key to save
S000-S255	Modify the operating speed of the White effects (slow to fast) then press Enter key to save
Soud	Sound activated mode
R255-R000	Red linear dimmer (0-100%) default is R255
G255-G000	Green linear dimmer (0-100%) default is G255
B255-B000	Blue linear dimmer (0-100%) default is B255
W255-W000	White linear dimmer (0-100%) default is W255
T000	Display current fixture temperature (eg T045 means current temp is 45°C; if 10K thermistor is not installed display will read T000)

Factory settings:

When any address code is A001~A512, press the menu button for 3 seconds to enter the factory settings mode. In this mode you can adjust the output power of the lamps, fan setting mode, setting temperature protection point, and sending parameters. Exit the factory settings mode at any time by pressing the menu button for 3 seconds.

Function	Description
R255-R032	Modify the red colour up or down, then press enter to save (Default setting is R200)
G255-G032	Modify the green colour up or down, then press enter to save (Default setting is G200)
B255-B032	Modify the blue colour up or down, then press enter to save (Default setting is B200)
W255-W032	Modify the white colour up or down, then press enter to save (Default setting is W200)
FAN0-FAN1	FAN0 lamp bead lights up to start the fan, FAN1 reaches the set temperature protection point to start the fan, confirm to save.
T040-T105	Set the temp protection point, modify the parameter up or down (40°C~105°C) press enter to save. (Default setting is T060)
Send	Send the factory setting parameters of this fixture up or down to all other lights connected in parallel. Confirm the sending of the parameters and press the menu button for 3 seconds to exit. If the parameters are denied, press the ENTER button to cancel the sending.

DMX mode:

The SpectraBox 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 d001 from the menu and confirm the correct start address and channel selection by using the "UP" and "DOWN" buttons and "ENTER". The "d" on the LED display will begin to flash once it's received the DMX signal from the controller. This unit has 4, 11, 32 or 39 DMX channels as indicated in the tables below:

4 Channel mode:

Channel	Value	Function and description
1	0-255	Red linear dimmer (0-100%)
2	0-255	Green linear dimmer (0-100%)
3	0-255	Blue linear dimmer (0-100%)
4	0-255	White linear dimmer (0-100%)

11 Channel mode:

Channel	Value	Function and description
1	0-255	Master dimmer
2	0-255	RGB strobe (slow to fast)
3	0-255	RGB Mode (84 effects, including R/G/B/RG/RB/GB/RGB single colour, full colour, one-segment, two-segment, racing, flowing, refresh and stacking. From 003 to 255, every 3 values show an effect mode)
4	0-255	RGB mode speed (slow to fast)
5	0-255	Red linear dimmer (0-100%)
6	0-255	Green linear dimmer (0-100%)
7	0-255	Blue linear dimmer (0-100%)
8	0-255	White strobe (slow to fast)
9	0-255	White mode (41 effects including White color, 1-segment, 2-segment, 3-segment, 4-segment, racing, flowing, refresh and stacking. From 006 to 255 every 6 values show an effect mode)
10	0-255	White mode speed
11	0-255	White linear dimmer (0-100%)

32 Channel mode:

Channel	Value	Function and description
1	0-255	Red segment 1 dimmer (0-100%)
2	0-255	Green segment 1 dimmer (0-100%)
3	0-255	Blue segment 1 dimmer (0-100%)
4	0-255	Red segment 2 dimmer (0-100%)
5	0-255	Green segment 2 dimmer (0-100%)
6	0-255	Blue segment 2 dimmer (0-100%)
""	"" ""	"" "" ""
22	0-255	Red segment 8 dimmer (0-100%)
23	0-255	Green segment 8 dimmer (0-100%)
24	0-255	Blue segment 8 dimmer (0-100%)
25	0-255	White segment 1 dimmer (0-100%)
26	0-255	White segment 2 dimmer (0-100%)
""	"" ""	"" "" ""
32	0-255	White segment 8 dimmer (0-100%)

39 Channel mode:

Channel	Value	Function and description
1	0-255	Master dimmer
2	0-255	RGB strobe (slow to fast)
3	0-255	RGB Mode (84 effects, including R/G/B/RG/RB/GB/RGB single colour, full colour, one-segment, two-segment, racing, flowing, refresh and stacking. From 003 to 255, every 3 values show an effect mode)
4	0-255	RGB mode speed (slow to fast)
5	0-255	Red segment 1 dimmer (0-100%)
6	0-255	Green segment 1 dimmer (0-100%)
7	0-255	Blue segment 1 dimmer (0-100%)

26	0-255	Red segment 8 dimmer (0-100%)
27	0-255	Green segment 8 dimmer (0-100%)
28	0-255	Blue segment 8 dimmer (0-100%)
29	0-255	White strobe (slow to fast)
30	0-255	White mode (41 effects including White color, 1-segment, 2-segment, 3-segment, 4-segment, racing, flowing, refresh and stacking. From 006 to 255 every 6 values show an effect mode)
31	0-255	White mode speed
32	0-255	White segment 1 dimmer (0-100%)
32	0-255	White segment 2 dimmer (0-100%)
39	0-255	White segment 8 dimmer (0-100%)

Specifications:

Power supply	110-240Vac, 50/60Hz
Power consumption	240W
Fuse rating	F2A
LED type	864pcs RGB SMD5050 LED, 96pcs White SMD5050
Effects	RGB colour mixing, Electronic dimming 0-100%, Strobe 1-30Hz 30 bits
Modes	DMX, Master/Slave, Auto, Sound, RDM
Connections	Power in/out (twist and lock), DMX in/out (3pin XLR)
DMX channels	4, 11, 32 or 39CH
Dimensions	460 x 240 x 75mm
Weight	3.6kg

Troubleshooting:

No power (mains)	Check mains voltage is correct and outlet is switched on
	Check twist and lock power lead is connected properly
No light output	Check control panel mode settings
	Check DMX settings from controller (dimmer levels, blackout etc.)
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 blackout
	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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