PULSE

Slimline 150 10mm RGB LED Par56

Model: SLIMLITE 56

www.pulse-light.co.uk

Safety Information

CAUTION
RISK OF ELECTRIC SHOCK **DO NOT OPEN**

The lightning bolt within a triangle is intended to alert the user to the presence of dangerous voltage levels within the product's enclosure.

This voltage may be of sufficient magnitude to constitute an electric shock risk.

To reduce the risk of electric shock, do not remove cover of this device. There are no user serviceable parts inside. Refer servicing only to qualified service personnel.

The exclamation point within a triangle is intended to alert the user to important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Safety Precautions

- Read and retain these instructions
- Follow all instructions and heed warnings
- Do not use this device near water or in damp environments
- If the surface becomes dirty, clean only with dry cloth, do not use solvents or thinners
- Install in accordance with the manufacturer's instructions
- Do not install near heat sources such as radiators, heat registers, stoves, or other devices that produce heat
- Only use accessories specified by the manufacturer
- Refer all servicing to qualified personnel
- If mounting on a stand please ensure the stand has a sufficient load capacity to hold the unit. The stand must be operated in accordance with the stand manufacturer's instructions.
- Rigging of lighting products should only be carried out by a competent person in accordance with current guidelines. All fixings used should be correctly rated taking care to observe 10:1 safety factors and utilise "Secondary" fixings as backup to the primary fixing methods.
- This device must not be exposed to water in any way. No object filled with liquids should be placed on apparatus
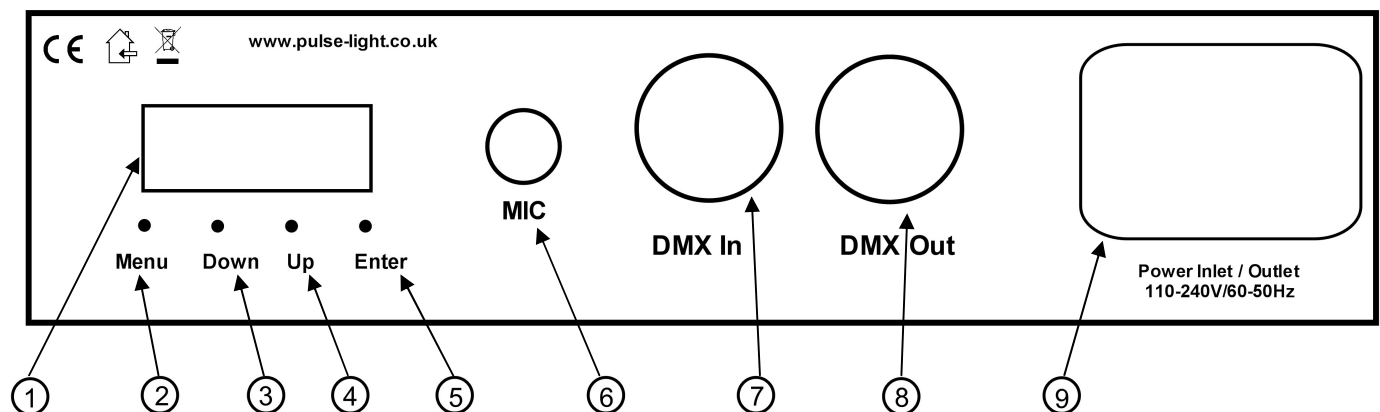
Pulse SLIMLITE 56 – Slimline RGB LED Par56

The Pulse SLIMLITE 56 features a total of 150 super bright, 10mm LED's offering rich colours and a host of operating modes. The slim line housing is ideal for standard operation or with its split yoke the SLIMLITE 56 is also suitable for up lighting. The slim line housing reduces the space required to use, store and transport the products.

Features

- 150x 10mm super bright LED's (48 red, 51 green, 51 blue)
- 3 selectable DMX modes: 3, 4, and 8 channels
- Selectable operating modes including Auto, DMX, Master/Slave, Sound Active and Static Colour
- Slimline housing supplied complete with twin yoke ideal for up lighting
- 30 degree beam angle
- LED display with four button menu system for ease of setup
- IEC power in/out
- 3-pin XLR DMX connections
- Integral microphone for Sound Active mode
- Low power consumption: 20W
- Dimensions (WxHxD): 205x205x69mm (not including brackets)
- Universal input voltage: AC120-240V/50-60Hz

Operation:

1) LED Display
The SLIMLITE 56 features a four digit LED display allowing the user to setup and program the unit.

2) MENU
After the unit has powered up Press the "MODE" button to access the menu system and select the required operating mode.

3) Down
Press the "DOWN" button to decrease the value of the selected parameter.

4) Up
Press the "UP" button to increase the value of the selected parameter.

5) Enter
Press the "ENTER" button to select a mode or confirm a value.

6) Microphone

When the SLIMLITE 56 is running in Sound Active mode the unit will use the onboard microphone to syncronise the light show to the music.

7) DMX Input

Standard 3-pin XLR male chassis socket for DMX input. Pin configuration for this product is Pin1= Ground, Pin2= Negative (-ve) and Pin3= Positive (+ve).

8) DMX Output

Standard 3-pin XLR female chassis socket for DMX input. Pin configuration for this product is Pin1= Ground, Pin2= Negative (-ve) and Pin3= Positive (+ve).

9) Mains Power Input/Output

The SLIMLITE 56 operates from a standard mains voltage outlet (AC120-240V/50-60Hz). DO NOT connect this to a dimmer pack as this can damage the unit and/or the dimmer pack. Dimming or control of this product is done utilising the onboard DMX functions.

The SLIMLITE 56 also features a mains power pass through for daisy chaining the power on multiple SLIMLITE 56 units.

After power on, Press **"MENU"** button to activate the main menu: Built-in programs mode, Auto running mode, DMX mode, Slave mode, sound-activated mode.

"SETUP" is to set the relative specification for current mode.
"UP" is to add the value of current specification.
"DOWN" is to decrease the value of current specification.

Built-in Programs: 22 built-in programs allow the user to generate a light show without the need for a controller. Each program can be adjusted for speed or fade time.
Auto Run: This adds variety to the light show by running the built-in programs one after another in continuous loop.
DMX mode: Controlled by DMX controller
Slave Mode: Used in conjunction with the Program, Auto, Sound Active or Static Colour modes
Sound Active Mode: In Sound Active mode the fixture will react to the mid/low tones, with each beat the fixture will move the program forward one step.
Static Colour mode: Static Colours can be preset from 7 selectable colours.

1. **Built-in Programs Mode (including Static Colour)**
   1. Press MODE, enter the program mode "P r.0 1"
   2. Press UP or DOWN button select the program from Pr.01~Pr.10.
   STATIC COLOURS: While the display shows Pr.01, press "SETUP" to enter the static colour selection sub menu. By pressing the UP or DOWN buttons, you can select from the seven static colours.

RED =	1. —r
LIGHT GREEN =	2. -rg
GREEN =	3. —g
AQUA BLUE =	4. -gb
BLUE =	5. -b
PINK =	6. -rb
WHITE =	7. rgb
BLACKOUT =	8. 00F

   The preset colours can then be adjusted by pressing SETUP button again, the display will then show each colour in turn (r.255, b.255 or g.255), using the UP or DOWN button to adjust the brightness of each component colour from 0-255.

FLASH RATE: All built-in programs feature an adjustable flash/strobe mode. Press the SETUP button while in a selected mode and the display will show "F 5.0 0", using the UP or DOWN button the flash speed can be adjusted from FS00 thru FS99.

SPEED RATE: Built-in programs Pr.02 thru Pr.10 feature an adjustable fade speed. While the display shows Pr.02- Pr.10 press the SETUP button, the display will then show "SP.99", the UP or DOWN buttons will then adjust the programs speed SP01~SP100(FL), a second press of the SETUP button will then access the flash rate as above.

2. Auto run mode

1. Press MODE button, enter the auto program mode "AU 70."
2. Press SETUP button, enter setup auto running speed "SP.99"
3. Press UP or DOWN button, setup the value of speed SP01~SP100 FL
4. Press SETUP button, enter setup auto running program of flash mode"F 5.0 0"
5. Press UP or DOWN button, setup the value of flash FS00~99
6. Press SETUP button, enter setup auto running program value fade mode "Fd××"
7. Press UP or DOWN button, setup the value fade mode Fd00~99

3. DMX mode

1. Press MODE button, enter DMX mode "d.00 1"
2. Press UP or DOWN button, setup DMX address value d.001—d.512.
3. Press SETUP button, enter setup DMX mode X-ch
4. Press UP or DOWN button, setup DMX mode : 3-ch, 4-ch, 8-ch

5. Within 8-ch mode the SLIMLITE 56 features a sub-address menu allowing access to a fixture ID from 1-88, this allows just 8 DMX channels on the lighting controller to operate up to 66 fixtures on the same DMX address. DMX Channel 7 gives access to the fixture ID from the lighting controller.
6. Press UP or DOWN buttons to setup the ID value (ID.01—ID.66)

DMX mode 1 = 3-CH

CHANNEL	VALUE	FUNCTION
CH1	0-255	RED
CH2	0-255	GREEN
CH3	0-255	BLUE

DMX mode 2 = 4-ch

CHANNEL	VALUE	FUNCTION
CH1	0-255	MASTER DIMMER
CH2	0-255	RED
CH3	0-255	GREEN
CH4	0-255	BLUE

DMX mode 3 = 8-ch

CHANNEL	VALUE		FUNCTION
CH1	0-255		Master Dimmer
CH2	R dimming	0-255	Red dimming 0-255
	Different static colour colour can choose(when the 6CH on 0-24)	0-8	R(255)
		9-17	R(255) G(50)
		18-26	R(255) G(150)
		27-35	R(255) G(255)
		36-44	R(200) G(255)
		45-53	R(100) G(255)
		54-62	R(40) G(255)
		63-71	G(255)
		72-80	G(255) B(50)
		81-89	G(255) B(150)
		90-98	G(255) B(255)
		99-107	G(150) B(255)
		108-116	G(50) B(255)
		117-125	B(255)
		126-134	R(50) B(255)
		135-143	R(150) B(250)
		144-152	R(255) B(255)
		153-161	R(220) B(50)
		162-170	R(150) G(50) B(100)
		171-179	R(50) G(180) B(220)
		180-188	R(50) G(220) B(100)
		189-197	R(150) G(220)
		198-206	R(150) B(220)
		207-215	G(180) B(220)
		216-224	G(220) B(50)
		225-233	R(220) G(100) B(50)
		234-242	R(220) G(200) B(100)
		243-251	R(255) G(200) B(150)
		252-255	R(255) G(255) B(255)
	Speed adjust (control the CH6 25-249)	0-255	0—255 slow—fast
	On CH6 250-255 can adjust the sensitivity of the sound active	0-255	Adjust the sensitivity of the sound active mode
CH3	0-255		Green dimming 0-255
CH4	0-255		Blue dimming 0-255
CH5	0-9		NO FUNCTION
	10-255		STROBE (slow—fast)

	VALUE	ID ADDRESS
	0-24	Through the second CH select 29 static color
	25-49	Pr02（7 colour fading）
	50-74	Pr03（3 colour fading）
	75-99	Pr04（7 colour jump）
	100-124	Pr05（3 colour jump）
CH6	125-149	Pr06（color dreaming 1）
	150-174	Pr07（color dreaming 2）
	175-199	Pr08（red fading）
	200-224	Pr09（green fading）
	225-249	Pr10（blue fading）
	250-255	Sound active
	VALUE	**ID ADDRESS**
	0-9	ID1-ID66
	10-19	ID1
	20-29	ID2
	30-39	ID3
	40-49	ID4
	50-59	ID5
	60-69	ID6
	70-79	ID7
	80-89	ID8
	90-99	ID9
	100-109	ID10
	110-119	ID11
	120-129	ID12
	130-139	ID13
	140-149	ID14
CH7	150-159	ID15
	160-169	ID16
	170-179	ID17
	180-195	ID18
	190-199	ID19
	200-209	ID20
	210	ID21
	211	ID22
	. . .	. . .
	251	ID62
	252	ID63
	253	ID64
	254	ID65
	255	ID66
CH8	0-250	CH1 CH2 CH3 & CH4 INSTANT FADER RESPONSE (1 to 4CH respond in direct)
	251-255	CH1 CH2 CH3 & CH4 DELAYED FADER RESPONSE (1 to 4CH respond with slight lag)

NOTE: When using DMX mode 3, DMX channel No.2 has various modes dependent upon other DMX channels.

When CH6 is between the values of 0-24, CH2 is used to select the static colour, but red function will be disabled CH3 & CH4 will also be disabled.

When CH6 is between the values of 25-249, CH2 is then used to adjust CH6 speed, but red function will be disabled CH3 & CH4 will also be disabled.

When CH6 is between the values of 250-255, you can open the sound active, CH2 can adjust the sensitive of the sound active, but red function will be disabled CH3 & CH4 will also be disabled.

When CH6 is not on values 0, CH2 / CH3 / CH4 will be disabled in red, green, blue.

3. Master Slave mode

Press the MODE button until the display shows "5L Aυ". The slave fixtures will then mirror the effect generated by the master (Auto, Master/Slave, Sound Active and Static Colour)

For Master/Slave mode to operate the fixtures must be connected in a chain using the DMX in/out sockets. The master must be the first fixture in the chain.
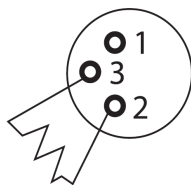
4. Sound-active

1. Press the MODE button, until the sound active mode "5U.3 1" is displayed on the menu.
2. Press the UP or DOWN button to setup the sensitivity of the sound active menu SU.00~SU.31.

Notice: After 20 seconds inactive, the LED display will switch off. If any button is pressed, the LED display will be resume to the original state. All buttons will then work as normal.
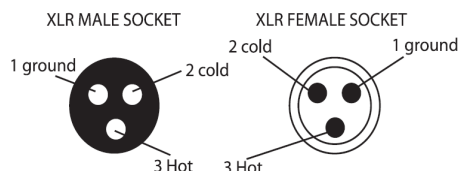
Connection:

Pulse DMX fixtures should be connected using high quality, digital signal specific cables to help prevent connection issues or data errors. It is also best practice to terminate all DMX lines using a DMX Terminator are available from Pulse retailers & distributors (Code: DMXTERM-3P or DMXTERM-5P). The terminator should be inserted into the last fixture in each DMX chain.

DMX Pin Configuration
Pin1= Ground
Pin2= Negative (-ve)
Pin3= Positive (+ve).

XLR MALE SOCKET
1 ground
2 cold
3 Hot

XLR FEMALE SOCKET
2 cold
1 ground
3 Hot

Care should be taken when manufacturing DMX cables to ensure above pinout is observed. Do not connect the cable's shield conductor to the ground lug or allow the shield/ground conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behaviour.

Trouble Shooting:

Unit does not power up: Check mains supply. If mains supply is correct check the fuses in all power cords and on the fixture. Disconnect all cabling and fixtures from the mains supply before changing mains fuses.

Unit does not respond to DMX: Check DMX cabling to ensure reliable data connection including DMX polarity (see diagram above). Check DMX address settings in line with the DMX controller or console.

Unit does not respond to SOUND: The internal microphone features a filter to cancel out high pitched tones including treble. The fixture will respond to the lower mid and bass tones. The microphone requires a reasonable sound level before it will activate and trigger the next step.

Compliance

When this product reaches the end of its life, do not dispose with household or general waste. See www.recycle-more.co.uk for details of how to dispose of PULSE products in an environmentally sound fashion, or contact PULSE directly via www.pulse-audio.co.uk

Warranty

Pulse products are warranted, by Pulse, against manufacturer defects for a period of one year from the original date of purchase. This warranty is limited to manufacturer defects, in either materials or workmanship. PULSE, or any other worldwide divisions of Premier Farnell PLC, is not responsible for any consequential or inconsequential damage to any other component, structure or the cost of installation or removal of said items. Defective items should be returned to the retailer/distributor from whom they were originally purchased. Batteries are classed as a consumable item, as a result any battery will only carry a 90 day warranty from date of purchase.

This warranty will not cover damage due to improper use such as (and not limited to) damaged cones, mounting frames, voice coils or items damaged by weather including exposure to moisture.

For questions or specific information regarding warranty replacement or repair, contact:

PULSE
www.pulse-light.co.uk