

Slenderled Solutions VR BP1000 Rechargeable PAR64 User Manual

Specifications

Input Voltage: 240v AC 50Hz

Power Consumption: 18W

Total Weight: 7.5kg

Dimensions: 275 x 730 x 252mm (Slenderled) 263 x 224 x 74mm (Battery Pack)

LED's: 182 x 10mm LED's (59 x R, 60 x G, 63 x B)

Beam Angle: 30 Deg

DMX Connections: 3 Pin Male / Female XLR Sockets

Built in Microphone

Sound Sensitivity Control

Infra-Red Remote Sensor

Features

Infra Red Remote Control (Using optional VRIR remote Transmitter)

Compatible with LED Technologies Optional RGB Easy Controller

Stand Alone / Master Slave

DMX 512 Controllable (4 x Channels)

410Hz LED Driver Chips for Flicker Free Operation when using Video Equipment

Adjustable Head

DMX Linkable

Low Power Consumption

Rubberised easy wrap cable

Introduction

Thank you for choosing the Slenderled Solutions VR BP1000 Rechargeable PAR64.

Prior to use, please read all the instructions carefully paying particular attention to the installation of this product.

By following the suggestions found in this user manual you can look forward to long and reliable service of your new product.

Unpacking, Inspection & Installation

Please check that the following items are included in your packaging. If anything is missing please contact your dealer.

PAR64 Head Unit • Battery Pack • Mains Power Cord with Mains Plug • Low Voltage Link Cable • Charger Unit • 2 x Wing screws • 2 x Hand Screws • Mounting Bracket • 4 x Rubber Washers

1. Carefully remove all packaging materials, ensuring that all foam padding is discarded responsibly.
2. Attach the mounting bracket onto the battery pack using the two wing screws placing the two rubber washers between the bracket and the battery pack.
3. Carefully attach the head unit onto the mounting bracket using the two hand screws, placing two of the rubber washers between the head unit and the bracket). **Note:** Ensure that the connecting sockets on the battery pack and the head unit are on the same side.
4. Install the low voltage link cable between the battery pack and the head unit.

Note: If the unit is to be used in Mains mode or charged at the same time as operating the unit, it is advisable to disconnect the low voltage link lead from the head unit (see important note below).

Important Note: The Battery Charger is designed to charge the battery only and **not** provide power to the head unit. **Do not** run the VR BP1000 using only the battery charger, please connect the mains cable into the head unit. If you would like to charge the unit **and** use the PAR64, please disconnect the 12v link lead from the battery pack to the head unit and plug the mains lead (supplied) into the head unit. This will enable the unit to be charged and also be operated at the same time.

Positioning

The VR BP 1000 is designed to be used as a rechargeable battery powered uplighter, if it is to be mounted above head height, we would recommend using a suitable safety chain.

The adjustable hand screws enable the head unit to be angled to suit the application. Little or no heat is generated by the head unit so it can safely be installed behind marquee linings or drapes.

If required, the head unit can be removed from the battery pack and powered from a suitable mains supply. Simply remove the two wing screws attaching the bracket to the battery pack, disconnect the low voltage lead and plug the head unit into the mains supply and use as a standard slimline PAR64.

Charging & Battery Operation

Connect the battery charger (supplied) to the 12v DC socket on the battery pack. Plug the charger unit into a suitable 240v mains supply. We would recommend an initial overnight charge to fully charge the battery pack to give the best performance and the longest run time.

When charging, the red LED on the battery indicator should light up, as the unit charges, the green LED's should light up giving an indication of the amount of charge in the battery.

Set the Dip Switches on the rear of the Head Unit to your required operating mode.

Infra Red Remote Control Mode: All Switches "OFF"

Manual Mode: See manual Operation

Slave mode: Switch 1 & 10 "ON"

DMX Operation: Set as per DMX Address (See DMX Mode)

The unit can then be operated on batter power with an expected minimum run time of 8 hours.

Note: As with all battery powered units, the expected run time will be noticeably reduced when the temperature in the operating environment is very cold.

Mains Operation

The head unit can be powered using the mains cable (supplied) independent of the battery pack. Please refer to the important note in the installation part of this manual.

Plug the head unit into a suitable mains supply and set the Dip Switches on the rear of the Head Unit to your required operating mode.

Infra Red Remote Control Mode: All Switches "OFF"

Manual Mode: See manual Operation

Slave mode: Switch 1 & 10 "ON"

DMX Operation: Set as per DMX Address (See DMX Mode)

The unit can then be operated on mains power.

Manual Mode: The PAR 64 can be set to a number of basic colours by selecting various dip switch combinations on the rear of the head unit.

Dip Switch 1 = Red, 2 = Green, 3 = Blue. Note: By combining switches additional colours can be mixed, i.e. Dip Switch 1 & 3 will combine Red & Blue giving Purple.

Dip Switch 9 will place the unit in Sound to Light Mode. In this mode the unit will chase through the colours in time to the music.

Note: Adjust the sound sensitivity control on the rear of the unit as required. Careful adjustment of this control will enable the unit to flip through the colours in time to the base beat of the music.

Master / Slave Mode: Link multiple units together using a suitable DMX lead fitted with 3 pin XLR Connectors. The first unit in the chain will be the master unit so can be set to whatever colour or mode is required; all the other units are slaves and so set Dip Switches 1 & 10 on the rear of the slave units to the "ON" position.

Whatever the Master unit is then set to, the Slave units will copy.

Optional Infra-Red remote Control Mode

Using the "VRIR" infra-red remote control transmitter (optional)



VRIR Instructions

Connect the SlenderLed LED colour changing unit to a suitable mains power supply.

If required, the units may be linked together using a suitable 3 PIN DMX lead.

Point the VRIR controller at the IR lens on the front of the Master Lighting Unit.

1. Press "BLACK OUT" to switch the units on or off.
2. Press "A" to set the units to Auto run.
3. The "PROGRAM" button is used in conjunction with buttons 1 to 9 or "+" & "-" to select the various built in programs.

Note: The programme's can be modified once selected.

4. Press the "F" button to select the flash mode.
5. The "SP" Button controls the speed at which a program runs or the flash speed of the LED's when in the flash mode.

Note: Use in conjunction with the + & - buttons.

6. Pressing "D" puts the unit into DMX mode.
Note: Refer to example of how to set the DMX address.

7. The "SA" button set the units to operate Sound-to- Light.

8. Pressing the "SL" button puts the unit into "Slave" mode.

9. The "R" "G" & "B" buttons are used to control the intensity of individual colours.

Note: Use in conjunction with the + & - Buttons.

10. The "S" button used in conjunction with the numbered "0" to "9" buttons sets the units DMX address, (see example below).

Setting the DMX Address using the VRIR

(Example to set the DMX address to "001")

1. Press the "S" button; note that all the "Red" LED's will light indicating that the unit is ready to except the DMX address.
2. Press the "0" button; note that all the "Green" LED's will light indicating that the number "0" in the "001" address is set.
3. Press the "0" button, note that all the "Blue" LED's will light indicating that the number "0" in the "001" address is set.
4. Press the "1" button, note that all the "Red" "Green" and "Blue" LED's on the unit light, indicating that the final number in the "001" address has been set.
5. Pressing the "D" button then sets the DMX operation. The unit is then ready to except a DMX signal corresponding to the address "001".

Built in Programs using the Remote Control

Point the VRIR remote at the IR lens on the front of the VR unit.

Press "P" then "1" set the colour to RED, press "2" to select GREEN and "3" to select BLUE.

Pressing "P" then either "4" "5" or "6" selects the most popular combinations of RGB.

Pressing "P" then "7" selects all the RGB LED's to give WHITE.

Pressing "P" then "8" selects a colour chase.

Pressing "P" then "9" selects a colour fade.

Alternatively pressing the "Prog" button followed by "+" or "-" to run through all the various programs.

Note: The chase or fade speed on programs "P8" or "P9" can be adjusted to suite your individual requirements by pressing the "SP" button and then clicking the + & - buttons to speed up or slow down the program when it is running.

Also using the "SP" and + & - buttons will adjust the flash speed of the LED's when in the Flash mode.

Simple Colour Mixing

If you would like to select a custom colour, first select WHITE ("P" "7") and then you can press the "R", "G" or "B" buttons and the + & - buttons to mix your individual colour. For example if you need PINK, first select "P7" then press the "G" button, then keep pressing the "-" button until your required shade of pink is obtained.

LED Technologies RGB Easy Controller

Set DMX switches to DMX position 1: Switch 1 & 10 "ON"

Connect the unit to the RGB Easy Controller using a suitable DMX lead fitted with 3 pin XLR Connectors. Refer to the instructions on the use of the RGB Easy Controller for more detailed operation.

Tip: When selecting a colour look at the area that the light shines onto and not directly at the LED's.

DMX Mode

The unit can be set to DMX mode which will enable accurate control over all functions and colour mixing using a compatible DMX 512 Controller.

Switch Dip switch 10 to "ON" (DMX Mode) and then select the appropriate DMX address using switches 1 to 9:

DMX Switch Values

Switch 1=1, 2=2, 3=4, 4=8, 5=16, 6=32, 7=64, 8=128 & 9=256.

Examples: To set DMX Address 17: Switch numbers 5 & 1 "ON"

DMX Address 50: Switch numbers: 6, 5 & 2 "ON".

DMX Protocol Table

Channel	DMX Value	Function
1	000 – 255	Red
2	000 – 255	Green
3	000 – 255	Blue
4	000 - 189	Master Dimmer
	190 – 250	Strobe Speed
	251 - 255	100% Brightness