

VR150 RGB User Manual

Specifications

All Units: Input Voltage: 110 – 240v AC 50-60Hz

Power Consumption: 24w

Dimensions: 300 x 210 x 175

Weight: 4.5kg

LED's: 216 x 10mm ultra-bright LEDS (Red x 36, Green x 90 & Blue x 90)

DMX Connections: 3 pin male / female flying leads with IP65 rated connectors

Infra-Red Remote Control Sensor

Features

Infra Red Remote Control (Using optional VRIR remote Transmitter)

Compatible with LED Technologies Optional VR RGB Easy Controller

Stand Alone / Master Slave

DMX 512 Controllable (5 x Channel)

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

Power Link

IP65 Rated for Outdoor Use

DMX Linkable

Low Power Consumption

Rubberised easy wrap cable

(Optional Data link leads are available in various lengths).

Introduction

Thank you for choosing the VR150 Outdoor Lighting System.

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 and Installation

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

VR150 with 13A mains plug

Carefully remove all packaging materials from the box, ensuring that all foam padding is discarded responsibly.

This unit can be mounted and operated at any angle; however we would recommend using a suitable safety chain if the unit is to be installed above head height. As little or no heat is generated by the unit it can safely be installed behind marquee linings and drapes.

Set Up

Connect your VR150 light to a suitable mains supply.

Units can be linked together using the IP65 rated DMX link leads.

Extension DMX Links in various lengths are available as an optional extra.

Operation

The VR Range of outdoor lighting requires a VRIR Infra-Red Remote control transmitter to set up the units.

They can then be controlled either using the VRIR, by a suitable DMX controller, or by the VR RGB Easy Controller.

Infra-Red remote Control Operation

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



VRIR Instructions

Point the VRIR controller at the IR lens on the front of the VR150.

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. SA (Sound Active) is not available on the outdoor range of VR Products.
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 4, 5 or 6 selects the most popular combinations of RGB for quick access.

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 (P7) 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 VR RGB Easy Controller

Link all the VR lighting units together using the appropriate Power and Data cables. Apply power and then set each unit to SLAVE MODE or to DMX Address 01 using the VRIR as detailed above. Connect the unit to the RGB Easy Controller using the special IP64 rated data lead supplied with the controller.

Note: 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.

Master / Slave Mode

Multiple units together using the data and mains flying leads or extension leads. The first unit in the chain will be the master unit; all the other units are slaves so should be set to slave as detailed in the VRIR operation above.

Connect all the units to a suitable mains supply then whatever the Master unit is set to, the Slave units will copy.

DMX Mode

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

DMX Protocol Table

Channel	DMX Value	Function
1	000 – 255	Red
2	000 – 255	Green
3	000 – 255	Blue
4	000 – 255	Master Dimmer (Use with Channels 1, 2 & 3)
5	000 – 255	Strobe Speed