

PARBAR 6 User Manual

Specification

Weight: 4kg

Dimensions: 800 x 90 x 230mm

Input Power: 120v/240v AC, 60/50 Hz.

Power consumption: 30W

LEDS: 6 x 5w Tri Colour LED's

3 x Pin Male and 3 x Pin female XLR sockets for DMX IN / OUT

Power Link using Neutrik Connectors (Supplied)

Features

Complete with Carrying Case

Adjustable PinSpots

Digital Display and easy to use user interface

Built in programs

DMX 512 Controllable

Infra-Red Remote Control option using optional VRIR Controller

Built-in microphone with sound sensitivity control

Silent Operation

UV safe

Virtually no heat produced

Complete with mounting brackets for Tripod Mount and additional adjustable mounting feet.

Rubberised easy wrap cable fitted with Neutrik Connectors

Additional Neutrik Connector supplied for mains link

Optional Extras

Infra-Red Remote Control

DMX Controller

Introduction

Thank you for choosing the PARBAR 6

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.

PARBAR 6 Unit • Power cord with 13A mains plug & Neutrik Connector • Additional Neutrik connector for mains link • Mounting Pole for Tripod Mount • Adjustable Mounting feet

Carefully remove all packaging materials from the box, ensuring that all packing materials are 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 against marquee linings and drapes.

Set Up

Connect your PARBAR 6 to a suitable mains supply with the power lead (Included). Units can be linked together using the Power in / out sockets and the optional IEC to IEC DMX link lead.

Using the Menu buttons and the Digital display on the rear of the Unit set the PARBAR 6 to the required operating mode (see operating modes below).

Note: Using the optional Infra-Red remote controller will override the setting at any point during the operation.

Operation

Master / Slave Operation

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. To put the unit into Slave Mode, press the "MODE" button until "SLAU" is displayed.

Connect all the units to a suitable mains supply, if required the units can also be linked by connecting the Neutrik connector to a suitable mains lead.

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

Additional DMX Function Using Slave Mode

When the unit is set to Slave Mode, each of the six PinSpots can be controlled individually using an 18 Channel DMX Controller. Simply set to Slave Mode as above and connect the DMX input socket (3 pin XLR) to a suitable 18 Channel DMX Controller. Select Projector 1 on your DX Controller and then Channels 1, 2 & 3 will control "Red" "Green" and "Blue" on PinSpot 1, Channel 4, 5 & 6 will control "Red" "Green" and "Blue" on PinSpot 2 and so on up to channel 16, 17 & 18 which will control PinSpot 6.

Manual Dimming Mode

The six PinSpots on the PARBAR 6 can be manually adjusted to enable colour mixing by individually adjusting the intensity of the Red Green and Blue colours.

Press the "MODE" button until "r.XXX" is displayed (where XX is a number between "000" & "255") then press "SETUP" to display the colour required: r = Red, G = Green & b = Blue. Press the "UP" & "DOWN" button to adjust the intensity of each of the colours selected in order to mix the required colour.

Note: The number after the letter indicates the intensity of the colour where "000" is "OFF" and "255" is the brightest.

Strobe Mode

Pressing "SETUP" until FS.XX is displayed (where XX is a number between "00" & "99") will adjust the strobe speed of the PinSpots from "00" = No Strobe to "99" fast Strobe.

Manual Program Select Mode

Press the "MODE" button until "Pr.XX" is displayed (where XX is a number between "00" & "12").

Each number represents one of twelve different programs which are pre-programmed into the unit. Pressing the "UP" & "DOWN" buttons will select the program required.

Note: "Program 1" is a static colour program and this has a sub menu which is selected by pressing the "SETUP" button until "CL.-X" is displayed where "X" is a number between 1 & 7 which corresponds to a colour. Pressing the "UP" & "DOWN" buttons will select each of the seven standard colours.

Program Strobe

A selected program (including the static colour program 1) can include the strobe effect as detailed above.

Program Run Speed

Once a program is selected (other than the static colour program 1), the speed at which the program runs can be adjusted by pressing "SETUP" until "SP.XX" is displayed (where XX is a number between "00" & "99"). Pressing the "UP" & "DOWN" buttons will adjust the program run speed from "00" = Minimum Speed to "99" Maximum Speed.

Auto Run Mode

Press the "MODE" button until "AU70" is displayed. The PARBAR 6 will then run through all 12 built in in programs in sequence.

Auto Program Strobe

A strobe effect can be added to the Auto Mode and is selected as detailed above.

Auto Program Run Speed

The speed at which the Auto Program runs through the twelve programs can be adjusted by pressing “SETUP” until “SP.XX” is displayed (where XX is a number between “00” & “99”). Pressing the “UP” & “DOWN” buttons will adjust the Auto run speed from “00” = Minimum Speed to “99” Maximum Speed.

Sound Active Mode

The PARBAR 6 can be set to run through the twelve built in programs in time to the music.

Press the “MODE” button until SU.XX is displayed (where XX is a number between “00” & “31”) The number corresponds to the sound sensitivity of the unit where “00” is the least sensitive and “31” is the most sensitive. Careful adjustment of this value will enable the unit to run through the twelve built in programs to the beat of the music.

DMX Mode

There are two DMX modes of operation on the PARBAR 6. To select the appropriate DMX mode, press the “MODE” button until “d-P.1” is displayed.

To select DMX Mode 2, press the “Up” button to select “d-P.2”. Once set to the required DMX mode the display will flash until a DMX controller is connected to the PARBAR 6 using a 3 pin XLR Lead.

DMX Mode 1

In DMX Mode 1, all six PinSpots are controlled as a bank and the programs and effects can be controlled using a 6 channel DMX Controller.

Channel 1 Value & Effect	Channel 2 Value & Effect	Channel 3 Value & Effect	Channel 4 Value & Effect	Channel 5 Value & Effect	Channel 6 Value & Effect
000 – 009 Program 1	000 – 255 Master Dimmer	<p align="center">Strobe 000 – 010 Off 011 – 255 Slow to Fast</p>	Red Dimming	Green Dimming	Blue Dimming
010 – 029 Program 2	<p align="center">Program Speed 000 = Stop 001 – 255 Slow to Fast Run Speed</p>		No Effect		
030 – 049 Program 3					
050 – 060 Program 4					
070 – 089 Program 5					
090 – 109 Program 6					
010 – 129 Program 7					
030 – 149 Program 8					
150 – 169 Program 9					
170 – 189 Program 10					
190 – 209 Program 11					
210 – 229 Program 12					
230 – 249 Auto Run					

250 – 255 Sound Active	No Effect	Sensitivity Adjustment 000 = Off 001 – 255 Sensitivity
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DMX Mode 2

In DMX Mode 2, each individual PinSpot on the PARBAR 6 can be controlled in addition to the various built in patterns and effect using a 21 Channel DMX Controller.

Please refer to the DMX Protocol table above (DMX Mode 1) for the setting to control the programs and effects. Channel 1 set to 010 – 255 and channel 2 & 3 set as detailed in the table.

Channel Number	Value	Effect
Channel 1	000 - 009	Individual Pinspot Section
Channel 1	010 – 255	Programs as per DMX Mode 1
Channel 2	000 – 255	Master Dimmer
Channel 3	000 – 255	Strobe Speed
Channel 4	000 – 255	Pin Spot 1 Red Dimming
Channel 5	000 – 255	Pin Spot 1 Green Dimming
Channel 6	000 – 255	Pin Spot 1 Blue Dimming
Channel 7	000 – 255	Pin Spot 2 Red Dimming
Channel 8	000 – 255	Pin Spot 2 Green Dimming
Channel 9	000 – 255	Pin Spot 2 Blue Dimming
Channel 10	000 – 255	Pin Spot 3 Red Dimming
Channel 11	000 – 255	Pin Spot 3 Green Dimming
Channel 12	000 – 255	Pin Spot 3 Blue Dimming
Channel 13	000 – 255	Pin Spot 4 Red Dimming
Channel 14	000 – 255	Pin Spot 4 Green Dimming
Channel 15	000 – 255	Pin Spot 4 Blue Dimming
Channel 16	000 – 255	Pin Spot 5 Red Dimming
Channel 17	000 – 255	Pin Spot 5 Green Dimming
Channel 18	000 – 255	Pin Spot 5 Blue Dimming
Channel 19	000 – 255	Pin Spot 6 Red Dimming
Channel 20	000 – 255	Pin Spot 6 Green Dimming
Channel 21	000 – 255	Pin Spot 6 Blue Dimming

Optional Infra-Red remote Control Operation

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

Note: Irrespective of the mode that the PARBAR 6 is set to, operating the remote control transmitter will override the setting on the PARBAR 6.



VRIR Instructions

Connect the PARBAR 6 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 adjacent to the digital display on the side of the PARBAR.

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

Important: Before setting the DMX Address, the DMX mode needs to be set. Press "D" on the VRIR Transmitter. The Pinspots will then flash red three times. Press "+" or "-" buttons to flip between the two DMX Modes, the PinSpots will illuminate "Red" to indicate DMX Mode 1 or "Green" to indicate DMX Mode 2.

Setting the DMX Address (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" to "9" to instantly select the various in built programs between 1 & 9 or "P" then the "+" & "-" buttons to select the various programs from 1 to 12.

Note: The speed that the programs run at 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 the "+" & "-" buttons will adjust the flash speed of the LED's when in the Flash mode.

Simple Colour Mixing

All the Pinspots on the PARBAR 6 can be adjusted to mix your own colour. Press one of the Red, Green or Blue buttons followed by the "+" or "-" button to increase or decrease the colour intensity.

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