

LED PARBAR

Complete portable DMX LED lighting system

USER MANUAL

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Complete LED spotlight lighting system ideal for all forms of live performance

Thank you for choosing the LED PARBAR Lighting System, we are sure you will have many years of use from this equipment but please read this user manual fully before attempting to use the kit.

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

Important: damages caused by the disregard of this user manual are not subject to warranty.

Installation of the LED Parbar

Attach the LED Parbar to the top end of the stand and fasten the fixation screw making sure the unit's weight is evenly balanced.

Please note: for overhead rigging in public or industrial areas, a series of safety instructions have to be followed that this manual can only give in part.

DMX-512 connection

Only use a stereo shielded cable and 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

Master/Slave operation

The master/slave operation enables several devices can be synchronized and controlled by one master device.

On the rear panel of the LED Parbar you can find an XLR-jack and an XLR-plug, which can be used for connecting several devices.

Choose the device which is to control the effects. Connect the OUT jack with the IN-plug of the next device. Set the Master device to SOUND mode and set each Slave device to the same DMX address.

Mains connection

The device must only be connected with an electric installation carried out in compliance with the IEC standards. The electric installation must be equipped with a Residual Current Device (RCD) with a maximum fault current of 30mA. Lighting effects must not be connected to dimming-packs.

Operation

After you have connected the unit to the mains, the LED Parbar starts running and the display lights up. The device has two operating modes. It can be operated in sound controlled or in DMX-controlled mode.

You can choose the desired mode via the buttons MENU, UP and DOWN:

When the display shows A*** you can choose the desired DMX address via the UP or DOWN buttons.

When the display shows *512 the device is in DMX mode. To switch to sound controlled mode, press the DOWN button.

When the display shows *SND the device is in sound controlled mode. To switch to DMX mode, press the UP button.

When the display shows S*** you can choose the desired speed of the internal programs. Default is 51; for increasing speed press the DOWN button, for decreasing speed press the UP button.

DMX controlled operation

You can control the spots individually via your DMX controller.

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Channel 1 – Internal Programs, Auto Mode and Sound Controlled Mode

Value	Function
000 – 009	Off
010 – 029	Program 1
030 – 049	Program 2
050 – 069	Program 3
070 – 089	Program 4
090 – 109	Program 5
110 – 129	Program 6
130 – 149	Program 7
150 – 169	Program 8
170 – 189	Program 9
190 – 209	Program 10
210 – 229	Program 11
230 – 249	Auto Mode: Internal Programs
250 – 255	Sound Controlled Mode

Channel 2 – Master Dimmer

Value	Function
000 – 009	Off
010 – 255	Dimming from 0 – 100%

Channel 3 – Strobe

Value	Function
000 – 009	Off
010 – 255	Flash, with increasing speed

Channel 4 – Spot 1: red

Value	Function
000 – 255	Dimming from 0 – 100%

Channel 5 – Spot 1: green

Value	Function
000 – 255	Dimming from 0 – 100%

Channel 6 – Spot 1: blue

Value	Function
000 – 255	Dimming from 0 – 100%

Channel 7 – Spot 2: red

Value	Function
000 – 255	Dimming from 0 – 100%

Channel 8 – Spot 2: green

Value	Function
000 – 255	Dimming from 0 – 100%

Channel 9 – Spot 2: blue

Value	Function
000 – 255	Dimming from 0 – 100%

Channel 10 – Spot 3: red

Value	Function
000 – 255	Dimming from 0 – 100%

Channel 11 – Spot 3: green

Value	Function
000 – 255	Dimming from 0 – 100%

Channel 12 – Spot 3: blue

Value	Function
000 – 255	Dimming from 0 – 100%

Channel 13 – Spot 4: red

Value	Function
000 – 255	Dimming from 0 – 100%

Channel 14 – Spot 4: green

Value	Function
000 – 255	Dimming from 0 – 100%

Channel 15 – Spot 4: blue

Value	Function
000 – 255	Dimming from 0 – 100%

Operation via the foot switch

Connect the foot switch with the LED Parbar device via the 5-pin connection cable with plug. The foot switch can be operated in sound controlled (*SND) or in DMX-controlled (*512) mode.

Pedal functions are as follows:

Pedal 1 Preset:

1 x press = White

2 x press = Red

3 x press = Green

4 x press = Blue

5 x press = Cyan

6 x press = Yellow

7 x press = Violet

8 x press = Color change every second in a continuous loop as described above

9 x press = Color fade every 3 seconds in a continuous loop as described above

Pedal 2 Sound

Pedal 3 Freeze

Pedal 4 Blackout

To discontinue operation of the foot switch, press pedals 1 and 4 down simultaneously, then release both pedals simultaneously.

Cleaning and maintenance

Look out for and maintain the following:

1) All screws used for installing the devices or parts of the device have to be tightly connected and must not be corroded. 2) There must not be any deformations on the housings, fixations and installation spots (ceiling, suspension, trussing). 3) The electric power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed. **Disconnect from mains before starting maintenance operation!**

We recommend frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents! There are no serviceable parts inside the device except for the fuse. Maintenance and service operations are only to be carried out by authorized dealers.

Replacing the fuse

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating. Before replacing the fuse, unplug mains lead.

Step 1: Open the fuseholder on the rear panel with a fitting screwdriver. Step 2: Remove the old fuse from the fuseholder. Step 3: Install the new fuse in the fuseholder. Step 4: Replace the fuseholder in the housing

Should you need any spare parts, please use genuine parts. If the power supply cable of this device becomes damaged, it has to be replaced by a special power supply cable available at your dealer. Should you have further questions, please contact your dealer.

Technical specifications

Power supply: **220-250V AC, 50-60 Hz~**

Power consumption: **70W**

Number of DMX channels: **15**

DMX-512 connection: **3-pin XLR**

Number of 10mm LEDs: **432**

Beam angle: **25°**

Sound-control: **via built-in microphone**

Maximum ambient temperature Ta: **45°C**

Maximum housing temperature TB (steady state): **60°C**

Min. distance from flammable surfaces: **0.50m**

Min. distance to lighted object: **0.10m**

Fuse: **F 2A, 250V**

Dimensions (LxWxH): **1110 x 55 x 295mm**

Weight: **8Kg**