VARYTEC

Manual

LED PAR 64 floor 12x8W RGBWAUV incl. remote

Table of contents

1. Safety instructions

- This device is suitable for indoor use (not outdoors) only.
- All modifications to the device will void the warranty.
- Repairs are to carry out by skilled personnel only.
- Use only fuses of the same type and original parts as spare parts.
- Protect the unit from rain and humidity to avoid fire and electric shocks.
- Make sure to unplug the power supply before opening the housing.

1.1. For safe and efficient operation

Be careful with heat and extreme temperature
Avoid exposing it to direct rays of the sun or near a heating appliance.
Not put it in a temperature bellow 32°F /0°C, or exceeding 104°F /40°C.

Keep away from humidity, water and dust
Do not place the set in a location with high humidity or lots of dust.
Containers with water should not be placed on the set.

Keep away from sources of hum and noise
Such as transformer motor, tuner, TV set and amplifier.

To avoid placing on un-stable location
Select a level and stable location to avoid vibration.

Do not use chemicals or volatile liquids for cleaning
Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

If out of work, contact sales agency immediately
Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

Take care with the power cable
Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug. When not using the device for an extended period of time, be sure to disconnect the plug from the receptacle.

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems. Make sure the electrical connection is carried out by qualified personnel. All electrical and mechanical connections have to be carried out according to the European safety standards.

2. Designated use

This device was developed for professional use on stages, in discos, theatres etc. The device is only approved for a connection up to 230V 50/60 Hz AC voltage and only for indoor use.

Regular breaks during operation increase the lifetime of your device.

Avoid convulsions or any form of forceful impact during the installation or the start-up of the device.

Make sure that the device is not exposed excessive heat, humidity or dust at the place of installation. Take care that no cables are lying around. You would endanger your own safety and also the safety of a third party.

It is not allowed to operate or store the device in an environment in which spray water, rain, humidity or fog is expected. Humidity or very high atmospheric humidity could reduce the isolation of the device and could cause deathly electric shocks. If you use fog devices the device has not be exposed to a direct smoke jet. There has to be a safety distance of at least 0,5m between this device and the fog machine. Make sure that the saturation of the fog has to enable a visibility of at least 10m.

The ambient temperature has to be between 0°C and +40°C. Avoid direct sunlight and close proximity to heaters. You have also to attend it during the transport in closed motor vehicles.

Operate the device not during thunderstorms. Surge voltages could destroy the device. Unplug the power supply during thunderstorms.

During the installation the use of the mounting bracket is obligatory.

Surrounding objects or surfaces should not be in contact with the device.

Make sure that during the installation and removal of the device the area below the place of installation is basically cordoned off. This also applies to implementation of service.

The device has basically been protected by a suitable safety.

Make familiar yourself with the functions of the device before start-up. People without the experience should not handle with the device. The most cause of functional disorder is inappropriate handling.

Do not use chemicals or volatile liquids for cleaning. Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

For transport use the original packing or designated accessory to avoid damages during the transport.

For reasons of safety unauthorized changes are forbidden.
A usage of the device which differs from usages which are described in this manual can cause damages of the device. In that case the warranty expires. Additional you should notice that every differed usage is related with dangers and can cause e.g. an electrical short, fire, electric shock or crash.

2.1. Overhead installation

Danger of life!
You have to observe the regulations of BGV C1 (formerly VBG 70) and EN60598-2-17 Installations are to carry out by skilled personnel only.

The suspension devices have to be build and measured so they can withstand for an hour the tenfold of the payload without suffering a permanent detrimental deformation.

Basically installation has to be made by using a second separate suspension. This can be e.g. a suitable net. The second suspension must be designed and attached so no part of the installation can fall down in case of failure.

During construction, reconstruction and deconstruction unnecessary stay in the range of moving areas, on lightning bridges, under elevated work stations or any other danger zones is forbidden.

The operator is obliged to following safety-related and mechanical facilities:

- Before the first start-up or after critical changes before restarting it has to be checked by an expert.
- Review in the frame of the inspection test at least all four years by an expert. .
- Review by a qualified person at least once a year.

How to carry out the overhead installation:
In tidal fall you should install the device out of the lounge area of people

IMPORTANT! Overhead installation requires a high level of experience. This includes knowledge of calculating the payload, used installation material and safety inspections of the used material and the projector whereas the required experience is not limited to this. Do not try to carry out installation yourself under any circumstances if you are not qualified. Contact a professional installer. An inappropriate installation can lead to injuries and/or damaged properties.

It is not allowed to install the device in the grip area of people.

If the device may hang from the ceiling or from high beams, the use of truss systems is mandatory. The device may not be installed so it can swing freely in the room.

Please note: Crashing down items can cause serious injuries! Do not install the projector, if you doubt the safety of a possible installation form!

Before installation make sure that the mounting surface has the ability to carry the tenfold point load of the own weight of the device.

Mount the device with the mounting-bracket to your trussing system using an appropriate clamp.

During overhead installation the device must be always secured by a safety rope which is designed to hold the twelvefold weight of device. Only safety ropes with quick-release safety fastener elements may be used. Hang up the safety rope in the hole of the mounting bracket. Direct the rope over the truss or an appropriate fastening point. Hang up the end in the fastening element and tie up the locking nut. A safety rope once exposed to failing load or damaged may not be used furthermore.

The maximum drop exceed must not exceed 20cm.

A safety rope once exposed to failing load or damaged may not be used furthermore.
Adjust the desired inclination angle via the mounting bracket and tighten the screw.

3. Introduction

Thank you for buying the **LED PAR 64 floor 12x8W RGBWAUV incl. remote**. It is a powerful device. For a successful installation and operation, please read this manual carefully.

4. Connections

4.1. Electrical connections

If you wish to change the power supply settings, see the chapter Appendix. Connect the fixture to the mains with the enclosed power cable and plug. The earth has to be connected.

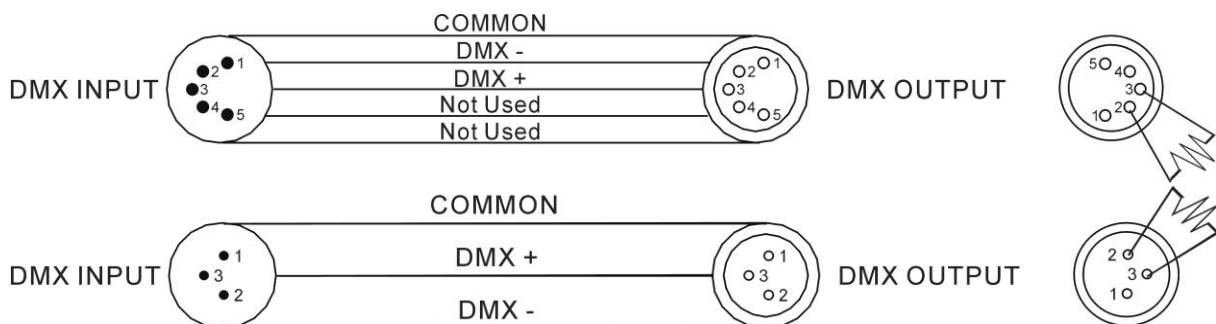| Cable (EU)	Cable (US)	Pin	International
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	⏚

4.2. DMX connections

To make a DMX512 connection go ahead like it is described in the picture. Make sure that you use shielded cable. 3pole or 5pole XLR cables are suitable.
Important! After the last device the line has to be terminated. In order to do this you have to solder a 120Ω resistor between the pins Data + and Data -. You can solder this end resistor on a 3pin or 5pin XLR: Plug this adapter into the DMX output of the device.

4.3. DMX connection with terminator

Where the DMX cable has to run a long distance or the equipment is operated in an electrically noisy environment like a disco for installations, we recommend using a DMX terminator. This prevents corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR connector with a 120 Ω resistor between pins 2 and 3, which is then plugged into the XLR output socket of the last device in the series. Please look to the bottom drawings.
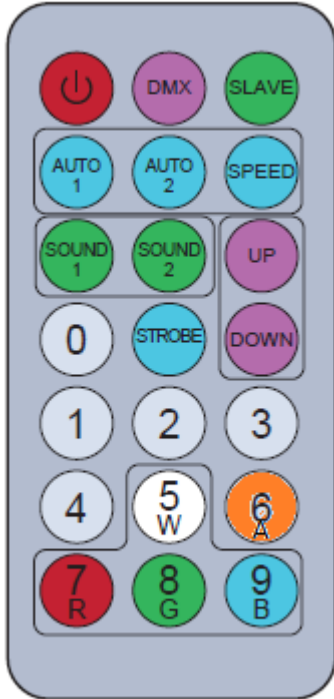
5. Control

Press MENU, to get into the menu. With UP/DOWN you can choose the required submenu. Confirm with ENTER. Do your settings with UP/DOWN and confirm with ENTER. To step back press MENU again.

5.1. Structure of the menu

Menu	Submenu 1	Submenu 2	Submenu 3	Function
Addr	A001 – A512			Setting the DMX address. If you want to use the device in DMX mode you have to be in this point of menu.
Chnd	1Ch 6Ch 7Ch 10Ch			Choose one of the DMX modes. If you have chosen a DMX mode, step back to the point of menu Addr.
Auto	Aut1 Aut2	Sp-11 – Sp-9	St01 – St99	Choose one of the automatic programs and set the speed of the program and strobe. Slow-fast.
CoLo	Co01 – Co51	St00 – St99		Choose a preset color and setting the speed of the strobe. Slow-fast.
Stat	red	r000 – r255	St00 – St99	Dimmer red 0-100% and set the speed of the strobe. Slow-fast.
	Gree	G000-G255		Dimmer green 0-100% and set the speed of the strobe. Slow-fast.
	bLue	b000 – b255		Dimmer blue 0-100% and set the speed of the strobe. Slow-fast.
	Uhit	U000 – U255		Dimmer white 0-100% and set the speed of the strobe. Slow-fast.
	Anbe	A000 – A255		Dimmer amber 0-100% and set the speed of the strobe. Slow-fast.
	UV	P000 – P255		Dimmer UV 0-100% and set the speed of the strobe. Slow-fast.
Soun	Sou1 Sou2	Sen0 – Sen9		Choose one sound-to-light mode and set the sensitivity of the microphone. Low-high.
SLAv	SLA			Activates the Master-slave mode.
rEno	On/Off			(De-)Activates the remote.
tenp	Cuxx			Shows the current temperature.
uer	uxx			Shows the current software version.

![VARYTEC logo]

5.2. IR remote

Power On/Off

DMX – You can set the DMX address when this button is pressed. Double click = Channel mode

SLAVE – Master/Slave

AUTO 1 / AUTO 2 – Auto-Mode 1/2

SPEED – Speed

SOUND 1 / SOUND 2 – Sound-Mode 1/2

UP / DOWN – You can choose a program or number.

STROBE – Strobe

0 1 2 3 4/P 5/W 6 7/R 8/G 9/B – You can use this number buttons to adjust numerical in any program mode.

7/R 8/G 9/B 5/W 4/P – You can choose a color.

6. DMX chart

6.1. Mode 1 (1 channel)

Channel	Value from	Value to	Function
	0		No function
	1	4	Color 1
	5	9	Color 2
	10	14	Color 3
	15	19	Color 4
	20	24	Color 5
	25	29	Color 6
	30	34	Color 7
	35	39	Color 8
	40	44	Color 9
	45	49	Color 10
	50	54	Color 11
	55	59	Color 12
	60	64	Color 13
	65	69	Color 14
	70	74	Color 15
	75	79	Color 16
	80	84	Color 17
	85	89	Color 18
	90	94	Color 19
1	95	99	Color 20
	100	104	Color 21
	105	109	Color 22
	110	114	Color 23
	115	119	Color 24
	120	124	Color 25
	125	129	Color 26
	130	134	Color 27
	135	139	Color 28
	140	144	Color 29
	145	149	Color 30
	150	154	Color 31
	155	159	Color 32
	160	164	Color 33
	165	169	Color 34
	170	174	Color 35
	175	179	Color 36
	180	184	Color 37
	185	189	Color 38
	190	194	Color 39
	195	199	Color 40

	200	204	Color 41
	205	209	Color 42
	210	214	Color 43
	215	219	Color 44
	220	224	Color 45
	225	229	Color 46
	230	234	Color 47
	235	239	Color 48
	240	244	Color 49
	245	249	Color 50
	250	255	Color 51

6.2. Mode 2 (6 channels)

Channel	Value from	Value to	Function
1	0	255	Dimmer red 0-100%
2	0	255	Dimmer green 0-100%
3	0	255	Dimmer blue 0-100%
4	0	255	Dimmer white 0-100%
5	0	255	Dimmer amber 0-100%
6	0	255	Dimmer UV 0-100%

6.3. Mode 3 (7 channels)

Channel	Value from	Value to	Function
1	0	255	Dimmer 0-100%
2	0	255	Dimmer red 0-100%
3	0	255	Dimmer green 0-100%
4	0	255	Dimmer blue 0-100%
5	0	255	Dimmer white 0-100%
6	0	255	Dimmer amber 0-100%
7	0	255	Dimmer UV 0-100%

6.4. Mode 4 (10 channels)

Channel	Value from	Value to	Function
1	0	255	Dimmer 0-100%
2	0	255	Dimmer red 0-100%
3	0	255	Dimmer green 0-100%
4	0	255	Dimmer blue 0-100%
5	0	255	Dimmer white 0-100%
6	0	255	Dimmer amber 0-100%
7	0	255	Dimmer UV 0-100%
8	0	50	No function
	51	101	Automatic program 1

	102	152	Automatic program 2
	153	203	Sound-to-light mode 1
	204	255	Sound-to-light mode 2
9	0	255	If channel 8 has the value 51-152, you can set the speed of the automatic programs with this channel Slow-fast. If channel 8 has the value 153-255, you can set the sensitivity of the microphone. Low-high.
10	0	9	No function.
	10	255	Strobe slow-fast

7. Technical data

Power supply	
Voltage	AC 110-240 V; 50/60 Hz
Power consumption max.	110 W
Light source	
LM type	LED 6in1
Power	8 W
Number / Power	6 x 8W
Optics	
Beam angle	25°
Connections	
Strom in	Schutzko cable
XLR in/out	3pol
Controlling	
Sound-to-light	Yes
Automatic	Yes
Master-Slave	Yes
DMX512	Yes
Number of channels	1/6/7/10 channels
Hardware	
Protection class	IP20
Skill	Indoor
Dimensions (L/B/H)	255 x 265 x 390 mm
Weight	2,78 kg

VARYTEC

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