VL-65

Compact LED PAR light
RGBWA

Item ref: 154.015UK

User Manual

Introduction

Thank you for choosing the QTX VL-65 5-colour LED PAR light as part of your effect lighting rig. Please read these instructions in full to gain the best results from this item and avoid damage through misuse.

Unpacking

Your VL-65 should reach you in good condition,supplied with appropriate mains lead(s) and mounting bracket. If there is any damage or items missing from the packaging, contact your dealer immediately.

Warning

To prevent risk of fire or electric shock, do not expose any components to rain or moisture. If liquids are spilled on the housing, disconnect mains and allow unit to dry out & have checked by qualified personnel before further use. Avoid any impact or extreme pressure to the housing.
No user serviceable parts inside – Do not open the case – refer all servicing to qualified service personnel.

Safety

- Check for correct voltage and condition of IEC lead before connecting to power outlet
- Ensure mains outlet has enough current rating to power all fixtures when connected by daisy chain
- Ensure DMX leads are good condition with no short connections or damaged plugs

Placement

- Mount the unit to a lighting stand or ceiling using the adjustable bracket included
- If the unit is mounted at height, a drop cable should be attached for safety
- If free-standing, ensure that the unit is sited on a stable, non-slip surface.
- Ensure adequate access to controls and connections

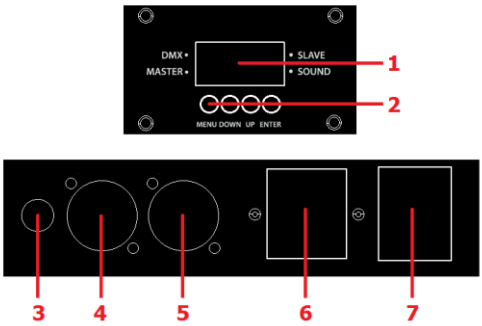
Cleaning

- Use a soft dry or slightly damp to clean the cabinet. Do not use strong solvents for cleaning the unit

Setting up

Install the VL-65 by the mounting bracket, which can also be configured as a floor stand. Experiment with positioning and distance to get the best coverage for the area to be lighted.
For DMX or master/slave control, link DMX out to in with XLR leads.
Connect mains using the appropriate IEC lead to the mains inlet.
(can be 'daisy chain' connected on to further units)

Rear panel



1. Digital display
2. 4 button control panel
3. Internal microphone
4. DMX out XLR
5. DMX in XLR
6. Mains inlet IEC and fuse holder
7. Mains daisy chain IEC output

Mode settings

To set operating mode, press MODE - then UP/DOWN through options – then ENTER to select an option.
After settings have been made, press and hold MODE for 2 seconds to quit the menu.

Display	Mode	Setting
Addr	DMX address	A001 to A512
Chnd	DMX channel mode	2CH, 3CH1, 3CH2, 4CH, 5CH, 8CH (see appendix)
SLnd	Slave mode	MASt / SLAU (master, slave)
Shnd	ShoU preset show	Combined fade-jump-strobe preset show
	CoLo - static color	CoL1 - Co31 (colour 1-31)
		d001 - d255 (dimmer 0-255)
		S001 - S255 (strobe 0-255)
	JUnP - colour jump	SP00 - SP99 (speed 0-99)
		d001 - d255 (dimmer 0-255)
		S001 - S255 (strobe 0-255)
	FAdE - colour scroll	SP00 - SP99 (speed 0-99)
		d001 - d255 (dimmer 0-255)
		S001 - S255 (strobe 0-255)
SOUn	Sound activated	on / oFF (sound on/off)
SEnS	Sound sensitivity	0 - 100 (internal microphone sensitivity 0-100%)
bALA	White balance	rEd : 50 -255 (red 0-255)
		9rEE: 50 -255 (green 0-255)
		bLUE: 50 -255 (blue 0-255)
LEd	LED display mode	on / oFF (display stays on / goes off after 15sec)
dISP	Invert display	IdSP / dSP1 (inverted / non-inverted display)
tESt	Test mode	Self test
tEnP	Temperature	0 - 9999 (0-9999°C)
hoUr	Fixture usage time	0 - 9999 ((0-9999 hours)

DMX operation

Whenever a DMX signal is present, this will take priority over auto and sound activated modes.
LED mode allows the standby default to be set when no DMX signal is present.
When this is set to on, the unit will revert to sound activated mode when no DMX is present.
When this is set to off, the unit will blackout when no DMX is present.

Temperature control

The VL-65 is fitted with a vari-speed cooling fan for quiet and efficient operation.

- Up to 35°C = Fans off
- 35°C - 55°C = Fans low speed
- Above 55°C = Fans high speed

In addition to the fan cooling, there is an LED output control for additional protection.
If temperature increases above 55°C, output will be decreased by 5% per degree up to 68°C.
If temperature exceeds 68°C, LEDs will shut down until temperature returns to below 60°C

Specifications

Power supply	100-240Vac 50/60Hz (IEC)
Power consumption	100W
Operating modes	Auto, Sound activated, Master/Slave, DMX
DMX operation	DMX512 - 2, 3, 3, 4, 5 or 8-channel
LED sources	6 x RGBWA 15W LED
Connection	DMX in/out (XLR), Mains in/out (IEC)
Dimensions	220 x 210 x 90mm (inc. bracket)
Weight	3.92kg

Troubleshooting

No power	Check mains voltage is correct and outlet is switched on
	Check IEC lead and fuse (if fuse continually blows, refer to your dealer)
No light output	Check rear panel mode settings (dimmer, slave, LED mode, DMX etc.)
	Check DMX settings from controller (colour levels, blackout etc.)
No sound activation	Check that sound activated mode is selected and not set to slave
	Check setting for microphone sound sensitivity is not 0
	Disconnect any DMX input if sound activated mode is to be used
Unresponsive to DMX	Check DMX connection and leads
	Check that DMX mode is enabled
	Check the DMX start address is set correctly
Overheating/ cutting out	Ensure that the unit is not too close to a heat source
	Ensure that the cooling vent on the rear panel is clear and not covered

Appendix: DMX implementation

2CH Mode	Mode	Value	Function
Channel 1	Dimmer	000-255	Master dimmer 0-100%
Channel 2	Colour macro	000-008	Red
		009-016	Green
		017-024	Blue
		025-032	White
		033-040	Amber
		041-048	Red + Green
		049-056	Red + Blue
		057-064	Red + White
		065-072	Red + Amber
		073-080	Green + Blue
		081-088	Green + White
		089-096	Green + Amber
		097-104	Blue + White
		105-112	Blue + Amber
		113-120	White + Amber
		121-128	Red + Green + Blue
		129-136	Red + Green + White
		137-144	Red + Green + Amber
		145-152	Red + Blue + White
		153-160	Red + Blue + Amber
		161-168	Red + White + Amber
		169-176	Green + Blue + White
		177-184	Green + Blue + Amber
		185-192	Green + White + Amber
		193-200	Blue + White + Amber
		201-208	Red + Green + Blue + White
		209-216	Red + Green + White + Amber
		217-224	Red + Green + Blue + Amber
		225-232	Red + Blue + White + Amber
		233-240	Green + Blue + White + Amber
		241-255	Red + Green + Blue + White + Amber

3CH Mode 1	Mode	Value	Function
Channel 1	Red	000-255	Red brightness 0-100%
Channel 2	Green	000-255	Green brightness 0-100%
Channel 3	Blue	000-255	Blue brightness 0-100%

3CH Mode 2	Mode	Value	Function
Channel 1	Dimmer	000-255	Master dimmer 0-100%
Channel 2	Strobe	000-007	No function
		008-255	Strobe: slow to fast
Channel 3	Effect	000-004	Blackout
		005-080	Colour macro: colours 1 - 31
		081-150	Colour jump: slow - fast
		151-220	Colour scroll: slow - fast
		221-255	Sound activated: mic sensitivity low - high

4CH Mode	Mode	Value	Function
Channel 1	Red	000-255	Red brightness 0-100%
Channel 2	Green	000-255	Green brightness 0-100%
Channel 3	Blue	000-255	Blue brightness 0-100%
Channel 4	White	000-255	White brightness 0-100%

5CH Mode	Mode	Value	Function
Channel 1	Red	000-255	Red brightness 0-100%
Channel 2	Green	000-255	Green brightness 0-100%
Channel 3	Blue	000-255	Blue brightness 0-100%
Channel 4	White	000-255	White brightness 0-100%
Channel 5	Amber	000-255	Amber brightness 0-100%

8CH Mode	Mode	Value	Function
Channel 1	Dimmer	000-255	Master dimmer 0-100%
Channel 2	Strobe	000-007	No function
		008-255	Strobe: slow to fast
Channel 3	Red	000-255	Red brightness 0-100%
Channel 4	Green	000-255	Green brightness 0-100%
Channel 5	Blue	000-255	Blue brightness 0-100%
Channel 6	White	000-255	White brightness 0-100%
Channel 7	Amber	000-255	Amber brightness 0-100%
Channel 8	Effect	000-004	Blackout
		005-080	Colour macro: colours 1 - 31
		081-150	Colour jump: slow - fast
		151-220	Colour fade: slow - fast
		221-255	Sound activated: mic sensitivity low - high