

**TECHNICAL SPECIFICATION:**

**See individual item for full details**

For more information visit [www.avsl-qtx.com](http://www.avsl-qtx.com)

**SmartLIGHT**

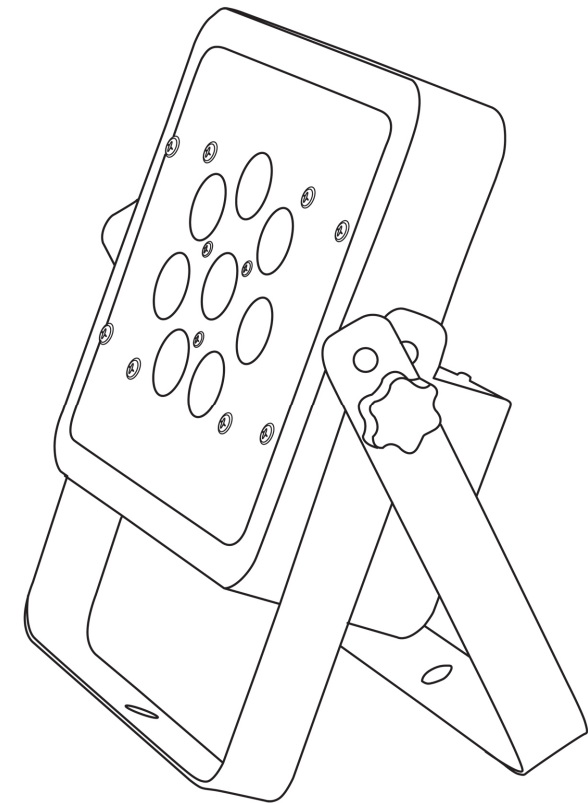
**SINGLE COLOUR PAR CANS**

User Manual

**DISPOSAL:**



Please disposal of an unserviceable device according to the current statutory requirement



**VERSION 1.0**

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## INTRODUCTION:

### LED SMARTLIGHT SINGLE COLOUR PAR CAN

The QTX SmartLIGHT family of LED Par cans have been designed for a variety of applications, whether you're a mobile DJ, a band/singer, a bar/nightclub, theater company or production company then this range of PAR cans will cover most requirements.

Please read this manual carefully to ensure you get the best out of these products.

This manual is a generic manual that covers all available single colour SmartLIGHTS in the range

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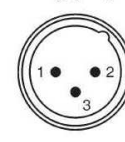
## DMX

The fixture is equipped with 3-pin XLR connectors for DMX input and output. The SE connectors are wired in parallel. Only use a shielded twisted-pair cable designed for 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

DMX - output  
XLR mounting-sockets (rear view):

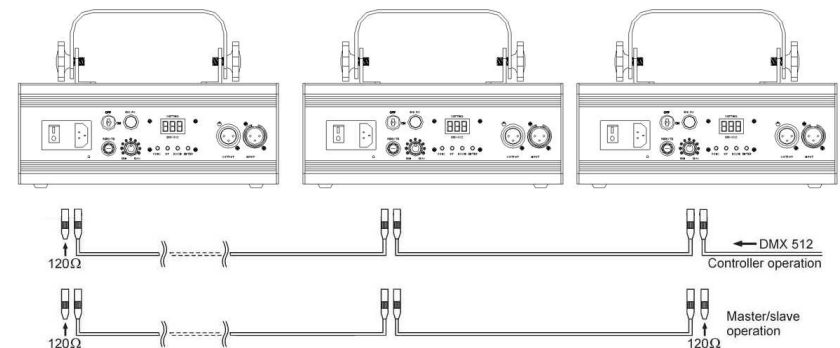


DMX-input  
XLR mounting-plugs (rear view):



- 1 - Shield
- 2 - Signal (-)
- 3 - Signal (+)

Building a serial DMX-chain:



**Caution:** At the last fixture, the DMX-cable has to end with a terminator. Solder a 120 Ohm resistor between PIN 2 (-) and PIN 3 (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

## MASTER/SLAVE:

If you have more than one unit you wish to operate the same but do not have a DMX controller or foot controller then you can do so in the following simple way: Connect a 3 pin DMX XLR cable from the DMX OUT socket on the master unit and plug in to the DMX IN socket on the slave device. Then set the Slave device to DMX address to be A001 and it will repeat whatever operation is current on the master unit. This can be repeated for up to 32 fixtures.

## DMX OPERATIONS:

Channel	Function
1	000-007 Closed
	008-190 Dimming 0-100%
	191-200 Sound to light pulse
	196-200 Sound to light strobe
	201-247 Strobe
	248-255 Open 100%

## PACKAGE CONTENTS:

Please check the contents to ensure that the product has been received in good condition.

SmartLIGHT Box:

SmartLIGHT Unit x 1pcs	User's Guide x 1pcs
Power Cord x 2pcs (EU and UK)	Mounting brackets x 2pcs

If you find any accessory is missing or the product has arrived with any problems, please contact your local dealer at once. Do not try to fix this item yourself or you will lose the warranty. Please keep the original package and invoice for any possible replacement or returned demand.

## INSTALLATION:

Every person involved with the installation, operation and maintenance of this device should be qualified and follow the instructions in this User Guide. We recommend that this product should be used within the guidelines of "HSG95". When you connect to the main power supply the device will take a few seconds before ready for use.

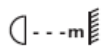
## MOUNTING INSTRUCTIONS:

The mounting brackets are already attached to the product when you open the box but you can adjust them giving more clearance. You can use them as floor standing or you can fix a G-Clamp to the bracket securely ready for mounting. After finding the desired position tighten the G-Clamp and use a safety wire the security loop for extra security.

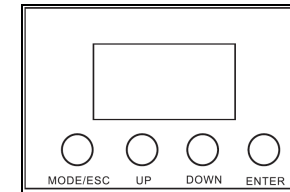
When selecting an installation location, take into consideration routine maintenance. Safety cables must always be used. Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperatures changes or restricted ventilation.

### CAUTION! TO PREVENT MORTAL ELECTRICAL RISK AND LONG LIFE OPERATION:

For your safety, please kindly pay attention to all of the warnings listed below:

- Always plug in the power plug last and disconnect from the mains, when the device is not in use or before cleaning.
- Do not install and operate the device in rain or extreme heat, moisture or dusty environments.
- This device is for indoor use only and in a dry environment.
- Do not switch on immediately but wait until it reaches to room temperature, if the device has been exposed to drastic temperature fluctuations.
- Do not shake the device and avoid brute force when installing or operating.
- Do not spread a fog or bubble effect machine directly at the device.
- Do not use the device during thunderstorms. Disconnect the power.
- Do not use solvents or aggressive detergent to clean the device. Use a soft and clean cloth.
- Do not modify the device or the power cord in anyway.
- Use appropriate safety-rope for added safety.
- Do not stare to the light.
- The symbol  determines the minimum distance from lighted objects. The minimum distance between light-output and the illuminated surface must be more than 0.5m.

### CONTROL DISPLAY:



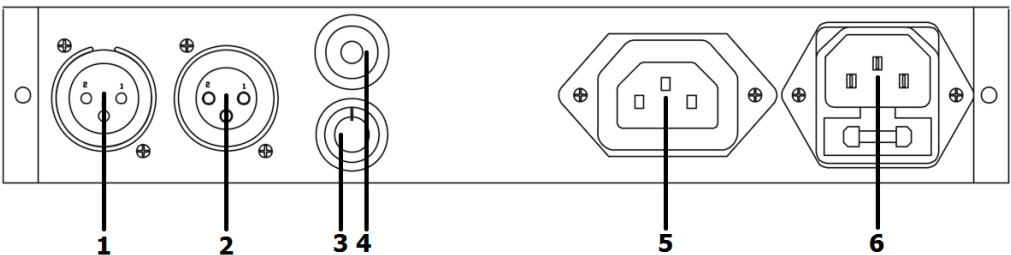
1. MODE\ESC: Menu or withdraw the last menu
2. UP: Increase one step each time
3. DOWN: Decrease one step each time
4. ENTER: Confirms the functions you select

\*Note the display will turn off if no activity for 20 seconds.

### PRIMARY FUNCTION:

LED Display	Action
A001 - A512	DMX-512 Address from 1 to 512
Er_L	If there is a breakdown in the DMX connection
AUTO	Auto Fade in and fade out
SOU1	Sound to light strobe
SOU2	Sound to light pulse strobe
L 25	Brightness = 25% of full potential
L 50	Brightness = 50% of full potential
L 75	Brightness = 75% of full potential
L100	Brightness = 100% of full potential

**REAR LAYOUT:**



- 1. DMX IN
- 2. DMX OUT
- 3. Sound sensitivity
- 4. Microphone
- 5. IEC Power OUT
- 6. IEC Power IN (Fuse F1A and F3A for SL-Q12)

**CONNECT WITH POWER SUPPLY – THE GROUND WIRE MUST BE CONNECTED:**

Use the IEC plug to connect to the main power supply as follows:

Wire	Connection	International signal
Brown	Live	L
Blue	Neutral	N
Yellow /Cyan	Earth	

**QUICK TROUBLE SHOOTING**

If the unit is not functioning properly follow the below guidelines

- Check the IEC cable is fitted correctly.
- Check the fuse hasn't blown in both the IEC cable and unit (see below)
- Check any DMX cables are connected correctly
- Check the DMX address has been set correctly
- Check the operating mode of the device (see later on in this manual)

If the unit still fails to respond then contact your retailer. DO NOT ATTEMPT TO REPAIR YOURSELF.

**REPLACING FUSE**

First disconnect from the main power supply then remove the fuse holder above the IEC Socket to reveal the fuse. Replace with the correct fuse rating as stated on the product safety label. Then lock the fuse holder cover back into place.

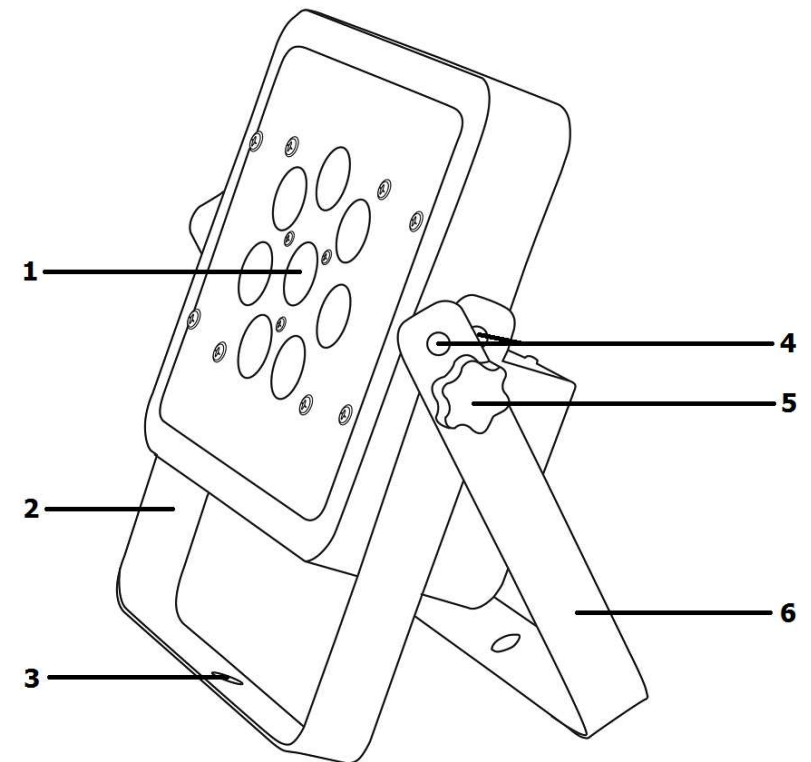
## GENERAL MAINTENANCE

To maintain optimum performance and minimise wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced life and increased mechanical wear. Be sure to power off the fixture before conducting maintenance.

Unplug fixture from the mains and use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean all glass and Perspex when fixture is cold with a mild cleaning solution to the cloth or tissue, and drag dirt and grime to the outside of the lens. Gently polish optical surface until they free of haze and lint.

The cleaning of external optical lenses must be carried out periodically to optimise light output. Cleaning frequently depends on the environment in which the fixture operates: damp, smoky or particularly dirty surroundings can require cleaning fluid. Always dry the parts carefully. Clean the external optics at least every 20 days.

## FRONT LAYOUT GENERAL:



1. LED Output
2. Secondary bracket
3. Mounting point for G-Clamp
4. Secondary mounting points for more clearance
5. Thumb screw to hold brackets in place
6. Primary bracket