Approvals & Disclaimer

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer’s tests to ensure that Chroma-Q products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent. Chroma-Q sole warranty is that the product will meet the Chroma-Q sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

Chroma-Q reserves the right to change or make alteration to devices and their functionality without notice due to on-going research and development.

The Chroma-Q Plus has been designed specifically for the professional entertainment lighting industry. Regular maintenance should be performed to ensure that the products perform well in the entertainment environment.

If you experience any difficulties with any Chroma-Q products please contact your selling dealer. If your selling dealer is unable to help please contact support@chroma-q.com. If the selling dealer is unable to satisfy your servicing needs, please contact the following for full factory service:

Outside North America:
Tel: +44 (0)1494 446000
Fax: +44 (0)1494 461024
support@chroma-q.com

North America:
Tel: +1 416-255-9494
Fax: +1 416-255-3514
support@chroma-q.com

For further information please visit the Chroma-Q website at www.chroma-q.com.

Chroma-Q is a trademark, for more information on this visit www.chroma-q.com/trademarks.

The rights and ownership of all trademarks are recognised.
1. Product Description
The Chroma-Q Plus is a colour changer which is compatible with lighting fixtures of up to 175mm/6.8” lens aperture and a choice of mounting plates. The unit provides control of a user customized internal gel string containing 2 to 20 frames.

Note: The quantity of Chroma-Q Plus is dependent on the size of PSU/Splitter.

2. Operation
Loading Gel String (See Fig. 1)
1. Open lid and remove Take-up Reels (TUR).
2. Hook head end of gel string to the gray Spring Loaded TUR.
3. When complete, display shows DMX address mode.
4. Wind the gel string onto the black TUR.
5. Hold black TUR and turn gray TUR 3 full turns to engage spring tension.
6. Insert both TUR on the unit’s shafts and DO NOT engage them to the hubs.
7. Press both TUR down, locking them onto the hub without releasing the spring tension. The TURs may need to be rotated a little to locate the hub pins.
8. Run a test sequence for a few minutes (or 3 to 4 times, end to end) to allow the gel string to ‘bed’ in. The unit does not have to be attached to a fixture.

Note:
• See full User Manual for Power Assisted Loading (‘PAL-Load’)
• For normal operation, the start of the gel string is on the left-side TUR & the end of the string on the right-side TUR, when viewed from the front of the unit.
• Connect power & control data from the power supply unit through the XLR 4-pin cable system. Pins 2 & 3 are for ANSI E1.11 USITT DMX 512-A control protocol. Pins 1(-) & 4(+) are for 24V DC power. For daisy chaining, the XLR-4 cable should be run from the output connector on the unit to the next device in the chain. Total cable length must not exceed more than 50m/200ft with return line. Signal input is a male XLR chassis connector & output is a female XLR chassis connector.

Display Operation:
Control functions at the bottom panel use LED display with 3 push-button switches.

<table>
<thead>
<tr>
<th>Control</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>MENU button</td>
<td>Mode access, ‘Record’ &amp; Escape</td>
</tr>
<tr>
<td>DOWN button</td>
<td>Decrements the mode level, or value</td>
</tr>
<tr>
<td>UP button</td>
<td>Increments the mode level, or value</td>
</tr>
</tbody>
</table>

1. Power-up Display: on power-up, the unit self-calibrates & display shows the software version. When complete, display shows DMX address mode.
2. Monitor Display: if left undisturbed for 5–7 sec, display will revert to ‘Monitor Mode’.
4. Display Mode: to set auto-blackout after 12 seconds, select through mode menu under ‘dP’ & choose between ‘dP0’ is OFF & ‘dP1’ is ON.
5. Reset ‘rES’: press & hold for 1 second the MENU & UP button to reset to Factory default settings.

Modes of Operation:
1. DMX addressing mode: press UP or DOWN once to increment or decrement the value. Display shows the current DMX address between 1 & 512. The unit can be set for 1 or 2 DMX channels reference to the mode it is operating with. (see below)
2. Fan speed mode ‘Fn’: press MENU & UP or DOWN to select between four fan speeds, ‘Fn1’ is the slowest & ‘Fn4’ is the fastest.
3. Gel saver mode ‘GL’: press MENU & UP or DOWN to select between Off ‘GL0’ (default) & On ‘GL1’. Press & hold MENU for 2 seconds to save new setting. This feature slowly moves the chosen gel frame back & forward so that the heat build-up is dissipated over a larger area, extending the life of the gel string.
4. Speed mode ‘SP’: to set scrolling speed, press MENU & UP or DOWN to select between Standard ‘SP1’ (default) & Fast ‘SP2’. Press & hold MENU for 2 seconds to save new setting.
5. Display mode ‘dP’: press MENU & UP or DOWN to select between Off ‘dPO’ (default) & On ‘dPI’. In ‘dPI’ the display will change to diagnostic mode after 6 sec. In ‘dPO’ the display will change to the diagnostic mode in 6 sec, then clear in another 6 sec, making 12 sec till auto-blackout. The display will return to diagnostic mode with the first button press & will do the action of the second press.
6. Remote Operation mode ‘ro’: press MENU & UP or DOWN to select between Mode 1 ‘ro1’ – 1 ch DMX; Mode 2 ‘ro2’ – 2 ch DMX; Mode 3 ‘ro3’ – 2 ch DMX. In mode 2, ch 1 controls colour selection & ch 2 controls fan speed. In mode 3, ch 1 controls colour selection & ch 2 controls other functions. (See User Manual for mode details.)

Mounting:
Mounting brackets for sizes: 158mm/6¼”, 190mm/7½”, 215mm/8½” & 254mm/10” are available or the optional Universal Mounting Bracket. Always ensure that the safety wire is connected.

3. Further Information
Please refer to the Chroma-Q Plus manual for more detailed information. A copy of the manual can be found at the Chroma-Q website – www.chroma-q.com – under Support.