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Quick Start Guide Plus™



For a full product manual please visit www.chroma-q.com

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)

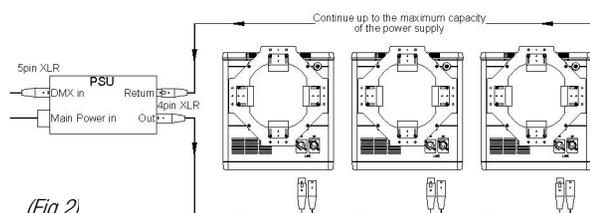
1. Open lid and remove Take-up Reels (TUR).
2. Make hole in gel string at V-notch on tail end and hook tail end of gel string to the black fixed TUR.
3. Wind the gel string onto the **black** TUR.
4. Hook head end of gel string to the **gray** Spring Loaded TUR.
5. Insert both TUR on the unit's shafts and DO NOT engage them to the hubs.
6. Hold **black** TUR and turn **gray** TUR 3 full turns to engage spring tension.
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. Plug in the unit, and check that it goes through the initialisation sequence correctly. Check that the gel runs smoothly & does not bind up on the TUR's.
9. 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 and power-up colour changer first before powering lights. The fan must be running to protect gels from premature failure.
- High fan speed is recommended on all lighting fixtures of 750W & above.
- Poorly optimized light bulbs may result in premature gel failure.



(Fig. 1)



(Fig. 2)

Control & Power Cables: (See Fig. 2)

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 60m/~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.

Control	Function
<i>MENU</i> button	Mode access, 'Record' & Escape
<i>DOWN</i> button	Decrements the mode level, or value
<i>UP</i> button	Increments the mode level, or value
3 digit display	Displays modes, monitor, or blank display

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'.
3. **Display Flip:** press MENU & DOWN button simultaneously.
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 'GLO' (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 'dP0' (default) & On 'dP1'. In 'dP1' the display will change to diagnostic mode after 6 sec. In 'dP0' 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.