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The Chroma-Q Universal 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:

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Quick Start Guide Universal



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

1. Product Description

The Chroma-Q Universal is a colour changer which is compatible with lighting fixtures of up to 203mm / 8" lens aperture and adjustable to different fixtures using its variable mounting plate. The unit provides control of a user customised internal gel string containing 2 to 24 frames.

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

2. Operation

Loading Gel String:

1. Unscrew and remove the front cover.
2. Place unit on a flat surface with motor/fan/electronics section on your right-hand side (assuming you are loading from 'tail' end of the string, reverse if starting from 'leader' end of the string).
3. Using 25mm (1") tape, centre and attach the top and bottom edge of the gel string to the plastic Take Up Reel. Follow black line guide scribed on the TUR.
4. Turn the fixed gear of the shaft to wind the gel string onto the TUR.
5. Stop turning and gently pull the gel string towards you to tighten the roll.
6. Rotate the unit to position motor/fan/electronics section on your left-hand side.
7. With the same tape, centre and attach the top and bottom of the other end of the gel string TUR. Follow the black line guide on the TUR.
8. Roll manually some of the gel string onto the TUR to check if seated correctly.
9. Plug in the unit, and check that it goes through the initialisation sequence correctly. Check that the gel string runs smoothly and does not bind up on the TUR's.
10. Replace the front cover and run a test sequence for a few minutes (3-4 times, end to end) to allow the gel string to 'bed'.

Note:

- For normal operation, the start of the gel string is on the left-side TUR and 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 turning lights on. The fan must be running to protect from premature gel failure.
- High fan speed is recommended on all lighting fixtures with bulbs above 750W.
- Poorly optimised light bulbs may result in premature gel failure.
- For Power Assisted Loading 'PAL', see Display and Control Functions.

Control and Power Cables:

Connect power and control data from the power supply unit through the XLR 4-pin cable system. Pins 2 and 3 are for ANSI E1.11 USITT DMX 512-A control protocol. Pins 1(-) and 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 and output is a female XLR chassis connector.

Display and Control Functions:

Control functions at the rear panel use LED display with 3 push-button switches.

Control	Function
RED button	Mode access, 'Record' and 'Escape'
BLACK button	Decreases (-) the mode level, or value
BROWN button	Increases (+) the mode level or value
3 Digit Display	Displays mode, monitor or blank display

1. **Power-Up:** on power-up, the unit self-calibrates and 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 RED button and BLACK button simultaneously.
4. **Reset 'RES':** press and hold down RED and BROWN button to reset to factory default settings.
5. **Power Assisted Loading 'PAL':** press and hold down the RED button during power-up. Press BLACK button to advance gel in one direction and BROWN button to advance in the opposite direction. Press both BROWN and BLACK buttons to recalibrate.

Modes of Operation:

1. **DMX addressing mode:** press BROWN or BLACK once to increment or decrement the value. Display shows the current DMX address between 1-512.
2. **Fan speed mode 'Fn':** press RED and BROWN or BLACK to select mode, and select between four fan speeds, 'Fn1' is the slowest and 'Fn4' is the fastest. Press RED to save new settings.
3. **Gel saver mode 'GL':** press RED and BROWN or BLACK to select mode, and select between Off 'GL0' (default) and On 'GL1'. Press RED to save new settings.
4. **Speed mode 'SP':** to set scrolling speed, press RED and BROWN or BLACK to select mode, and select between standard 'SP1' (default) and fast 'SP2'. Press RED to save new settings.
5. **Display mode 'dP':** press RED and BROWN or BLACK to select mode, and select between display Off 'dP0' (default) and display On 'dP1'. Display will reactivate when any button is pressed.
6. **Remote operation mode 'ro':** press RED and BROWN or BLACK to select mode, and select between Mode 1 'ro1' – 1 ch DMX; Mode 2 'ro2' – 2 ch DMX (Colour/Fan speed); Mode 3 'ro3' – 2 ch DMX (Colour/Functions). See User Manuals for more details.

Mounting:

The universal mounting system incorporated at the rear of the unit allows the unit to fit on fixtures with frame size from 158mm (6¼") to 275mm (10¾"). The Chroma-Q Universal is designed to be mounted in an upright position with the base of the unit below the fixture. **Always ensure that the safety wire is connected and in good working condition.**

3. Further Information

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