Approvals & Disclaimer

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The Chroma-Q Color Force Compact has been designed specifically for the 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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For further information please visit the Chroma-Q website at www.chroma-com.

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Quick Start Guide
Color Force Compact™

Chroma-Q™
BRILLIANT SOLUTIONS

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

Software version 1.6

1. Overview

The Chroma-Q™ Color Force Compact™ is a powerful creative lighting tool that works in perfect harmony with the popular Color Force™ range. The Compact is a cost-effective workhorse, ideal for a wide range of applications. Compatibility with industry standard control consoles is assured. HSI, FxHSI, RGB (*Magic Amber), RGBA, RGBI (Magic Amber), Look Select, Master and Slave Standalone control modes are available via an external 15-way PSU.
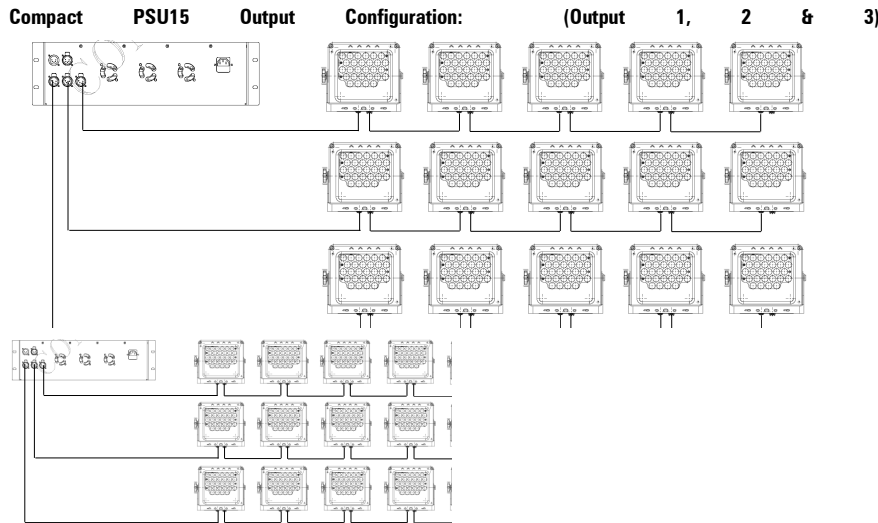
2. Safety

⚠
Caution

1. This product is for professional use only. It is NOT intended for domestic or outdoor use.
2. The bright flash of light during power-up and continuous strobe effect may cause epileptic seizure.
3. This product must be used with safety cable.

3. Cabling

Connect power and control data from the Compact PSU15 through the XLR 4-pin cable system. A maximum of 5 daisy-chained Compact fixtures can be connected to a single output of the PSU. The total cable length of each chain must not exceed 60m/ ~200ft, and the cable for each adjacent unit must not exceed 20m.

Compact PSU15 Output Configuration: (Output 1, 2 & 3)

4. Mounting

The Color Force Compact is equipped with a built-in adjustable mounting bracket for floor, wall and truss mounting applications. The yoke features an added pair of holes for height adjustment. Secure the fixture with a safety bond through the fixing holes of the cast enclosures. (See user manual for details.)

5. Orientation & Optical Accessories

The Color Force Compact fixture has the "chevron" markings stamped on the front to indicate the side of the fixture that should be adjacent to the wall or cyclorama. (See attached "Installation Guide for details.)

An optional frosted or clear glass lens is included in the package to adjust the light output of the Compact Force fixtures. An accessory plate is also included to hold and lock in place accessories such as top hats, half top hats, barndoors, egg crate louvres and others. (See attached for details.)

6. Control

The Color Force Compact fixture can be controlled via ANSI E1.11 USITT DMX512-A through the Color Force Compact PSU15 which can be set to operate in 16 DMX controlled modes with 3 grouping options (single, output, all) and 2 stand-alone modes. (Refer to the Color Force Compact PSU15 User Manual for Control Menu details.)

Color Force Compact
Control Mode - Software Version 1.6

Mode	Name	Group	Ch	
1	fxHSI	Single	52	7fx + 15 x HSI (Grouping, C
2	HSI	Single	45	15 x HSI
3	RGB	Single	45	15 x RGB (with *Magic Amb
4	RGBA	Single	60	15 x RGBA
5	sRGBI	Single	61	1s + 15 x RGBI
6	FxHSI	Output	15	6fx + 3 x HSI
7	HSI	Output	9	3 x HSI
8	RGB	Output	9	3 x RGB (*with Magic Ambe
9	RGBA	Output	12	3 x RGBA
10	sRGBI	Output	13	1s + 3 x RGBI
11	FxHSI	All	9	6fx + 3 x HSI (Colour Speed
12	HSI	All	3	HSI
13	RGB	All	3	RGB (with *Magic Amber)
14	RGBA	All	4	RGBA
15	sRGBI	All	5	1s + RGBI
16	Look Sel	All	1	Look Select
17	Mastr StandAlon			Master Standalone
18	Slave StandAlon			Slave Standalone

Control Options:
3 Channels HSI (Hue, Saturation and Intensity): 2 colour channels for hue (255 colours) and saturation, and a separate intensity channel.
3 Channels RGB (Red, Green and Blue with *Magic Amber): 3 colour channels that directly affect the intensity of the corresponding LED.
4 channels RGBI (Red, Green, Blue with *Magic Amber and Intensity): 3 control channels directly affecting the intensity of the corresponding LED, and 1 channel affecting the intensity of all RGB channels.
4 channels RGBA (Red, Green, Blue and Amber): 4 control channels directly affecting the intensity of the corresponding LED.
Internal FX engine: Compact PSU features an internal FX engine with 7 variable parameters. See full Compact PSU15 manual for control details.

Grouping Options:
The Color Force Compact fixtures consist of a single LED engine with 4 circuits of 7 (Red, Green, Blue, Amber) LEDs each, for a total of 28 LEDs. Three grouping options are available for the control of the fixtures:
"Single" grouping allows for the control of the individual LED circuits in every fixture.
"Out" grouping per output, allows for the control of up to 5 fixtures from each PSU output as one group.
"All" grouping allows for the control of all fixtures from all the outputs as one group.

Effects Description:
Grouping - variable grouping facility to run FX between / within groups.
Colour Speed - variable speed of colour scrolling
Colour Fan - variable fan of colour between / within groups
Colour Range - variable limit of spectrum range for colour scrolling
Colour Step - variable control of smoothness of colour scrolling
Intensity Effects - wide selection of intensity fading and snapping effect
Intensity Fan - variable fan of intensity effects
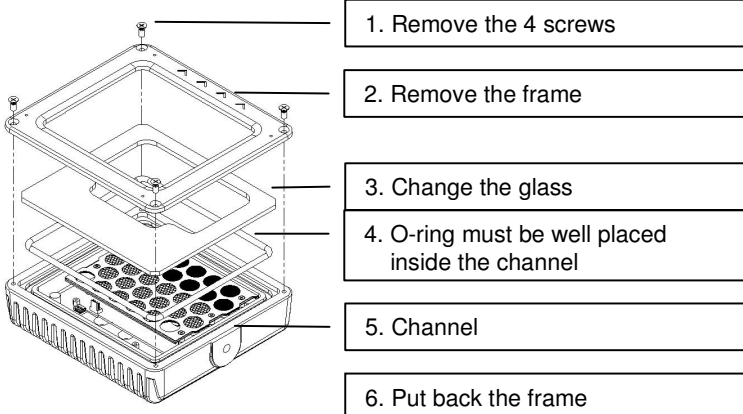Note: All internal FX are referenced back to the group base HSI colour and intensity levels.

* Magic Amber is the term used for the unit's ability to bring in amber when mixing colors that require it with the use of only 3 control channels.

7. Further Information

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

Color Force Compact
Optical Accessories Installation Guide

Glass change:
Screws: 4 x M5 flathead screws
Tool: Torque screwdriver with PH #2
Torque: **15 in/lb**

1. Remove the 4 screws

2. Remove the frame

3. Change the glass

4. O-ring must be well placed inside the channel

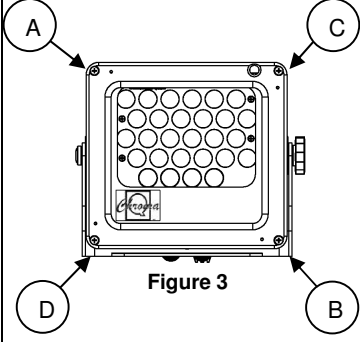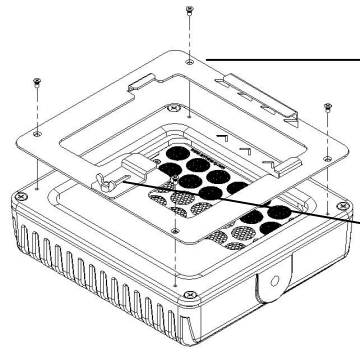5. Channel

6. Put back the frame

A   C

7. Insert halfway the M5 screws in this sequence:
   A – B – C - D. (Fig. 3)
8. Tighten the screws to full torque In this sequence: A – B – C – D. (Fig. 3)

Figure 3

D   B

Warning!
Not following the proper
procedure and torque
requirements will result in a
void warranty.

Accessories plate installation:
Screws: 4 x M3 flathead included in package
Tool: Torque screwdriver with PH #1

1. Position the plate to match holes. (Fig. 4)
2. Fasten the plate to the frame.

3. Use the locking plate for adjustments and to fix in place accessories.

Orientation

CHEVRON symbols point to the side that should be adjacent to the cyc or wall.

Cyc / Wall