Approvals & Disclaimer

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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 Color Force 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
Chroma-Q®
Color Force™ 72/48

Chroma-Q®
BRILLIANT SOLUTIONS

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

Software version 2.2

1. Overview

The Chroma-Q Color Force LED batten range is a brute of a light. At up to 12,000 lumens output (Color Force 72), the super bright fixture easily washes up to 8m / 26 foot.

The Color Force is available in two lengths, the 72 model with a total of 288 high powered LED's (12 x 1000 lumen RGBA cells), and the 48 model with a total of 192 high powered LED's (8 x 1000 lumen RGBA cells).

The control options incorporate a choice of HSI (Hue, Saturation and Intensity), RGBA (Red, Green, Blue, Amber), RGB (Red, Green, Blue, with *Magic Amber), RGBI (Red, Green, Blue with *Magic Amber and Intensity) control modes. A dynamic Variable Effects Engine is integrated in the control software.

The Color Force features built-in power supplies which can operate as a standalone unit or remotely controlled through ANSI E1.11 USITT DMX 512-A protocol.

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

The Color Force 72 & 48 utilize PowerCon connectors for power input and through. The DMX control data input and through connections from an external control console are via two XLR 5-pin connectors. The chassis are ground bonded.

Note: The maximum number of Color Force 72 fixtures running off a single power input cable is 2 at 120V AC or 4 at 240V AC. The maximum number of Color Force 48 fixtures running off a single power input cable is 3 at 120V AC or 6 at 240V AC. Please refer to ANSI and AWG standards for the maximum data and power cable lengths.

4. Mounting

The Color Force 72 & 48 are equipped with built-in adjustable mounting brackets for floor, wall and truss mounting applications. Use the pair of quick release levers for easy tilt adjustment. Secure the fixture with a safety bond through the fixing hold that is built into the end plates of the fixture.
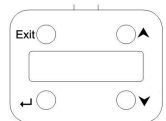
5. Orientation

The Color Force 72 & 48 are built with near/far lenses that optimize the beam spread when used on a wall or cyclorama. The side with near-field lenses is indicated by the narrow edge border, which should be adjacent to the wall or cyc. The side with far-field lenses is indicated by the wider edge border, which should be facing away from the wall or cyc.

6. Cyc & Border Lens

"Cyc Lens" and "Border Lens" are slide-in optical accessories available to adjust the light output. Two accessory slots are available for locking. Spring Plungers are pre-installed at the far ends of both accessory slots to lock in-place the slide-in panels. The height of the spring plungers are preset and fixed with no need for further adjustment.

7. Control

The control functions of the Color Force 72 & 48 are accessed through the LCD display at the rear with 4 push buttons.

Control	Function
Exit	Back to previous menu
Up Arrow	Increases (+) the mode level or value
Down Arrow	Decreases (-) the mode level or value
Back Arrow	(Enter) Stores the menu choice

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.

Control Menu

1. From the Home/Main Menu, press the Up or Down buttons to access menu positions and control options.
2. Press Enter to select and save (2 sec) or press Exit to exit without saving.

Main Menu / DMX Address

1. To set the DMX start address, press Enter from the Main Menu.
2. Press Up/Down buttons to adjust DMX start address.
3. Press Enter for 2 seconds to save.

→ **Control Mode**

There are 11 DMX controlled modes featuring: 2 grouping options (cell-grouped, all-grouped) with 5 control options: fxHSI, HSI, RGB (with *Magic Amber), RGBA, RGBI (with *Magic Amber), pre-programmed looks and standalone effects. Refer to the list below for details.

Mode	Group	Color Force 72		Color Force 48	
		Ch	Description	Ch	Description
1	Variable	43	7fx + 12 x HSI -or– 7fx + 12 x RGB(A) w/ Ch5/Full & Ch2/Intensity Master	31	7fx + 8 x HSI –or- 7fx + 8 x RGB(A) w/ Ch5 @ Full & Ch2/Intensity Master
2	Cell	36	12 x HSI	24	8 x HSI
3	Cell	36	12 x RGB (w/ *Magic Amber)	24	8 x RGB (w/ *Magic Amber)
4	Cell	48	12 x RGBA	32	8 x RGBA
5	Cell	49	1s + 12 x RGBI (w/ *Magic Amber)	33	1s + 8 x RGBI (w/ *Magic Amber)
6	All	9	6fx + HSI -or- 6fx + RGB(A) with Ch4/Full & Ch1/Intensity Master		
7	All	3	1 x HSI		
8	All	3	1 x RGB (w/ *Magic Amber)		
9	All	4	1 x RGBA		
10	All	5	1s + RGBI (w/ *Magic Amber)		
11		1	Look Select		
12			Master Standalone		
13			Slave Standalone		

→ **When DMX is Lost**

If DMX is not detected various output options can be selected:
Off - snaps to off; Hold - holds the last valid DMX state; Look 1-31 snaps to the Look of your choice.

→ **Look Store**

31 internal preset FX Looks are available for standalone operation, 1-23 are pre-programmed.
To replay a Look in standalone operation, go to Look Store, select the Look and save.
To replay a Look with a DMX console, set the fixture to Control Mode11. Use the DMX console with the assigned channel to playback the various looks stored. (1-31 looks in 1 single channel)
Note: DMX has priority over internal Looks.
Looks can be recorded to the internal flash memory by users and will be preserved on power down. Looks will be returned to default settings upon reset. There are two ways to record a look: Simple, with DMX console and Advanced, standalone. (DMX is unplugged): refer to user manual for control details.

→ **Technical**

In this mode, 'Frequency' is set to the following options: 600, 1200, 2400, 4800; 'Upload Engines' is activated for LED software update from the Chroma-Q Uploader (See Quick Start Guide of the Chroma-Q Uploader for operation.); 'ETC compatible' is switched On or Off to set the colour output to match the Color Picker feature of ETC Eos control consoles.

→ **Fan Speed**

The internal fans can be set to 3 speed settings:
Quiet – internal fan is off and light output is reduced by 45%; Studio – fan speed is at low velocity and light output is reduced by 15%; Live – fan speed is at high velocity and light output is 100%

→ **Reset to Default**

In this mode, press Enter to 'reset?'; press Enter for 2 seconds to activate 'resetting';
'done' is displayed when complete and menu settings have bee reset to factory defaults:
DMX address = 001, Control Mode = 9, When DMX is Lost = Hold, Looks = 01, Fan Speed = Live, Frequency = 600, ETC compatible = Off, Display = On

3. Further Information

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