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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.

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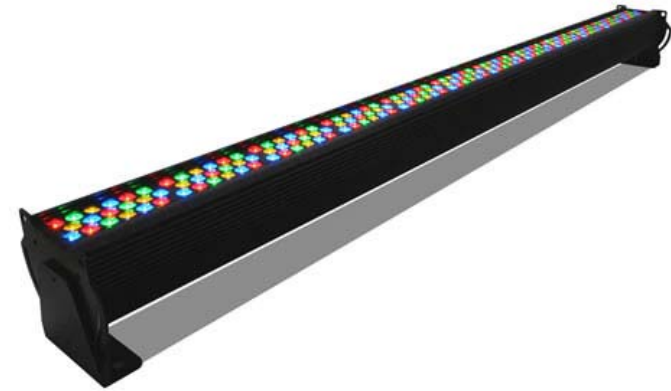
For further information please visit the Chroma-Q website at [www.chroma-q.com](http://www.chroma-q.com).

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# Quick Start Guide

## Color Force™



For a full product manual please visit [www.chroma-q.com](http://www.chroma-q.com)

## 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



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 utilise 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.

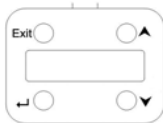
**Note:** To avoid overloading of input cable, the maximum length of Color Force fixtures for a single power cable run is 3.6m (12') at 110V or 7.2m (24') at 220V.

## 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 brackets.

## 5. Control

The control functions of the Color Force 72 & 48 are accessed through the LCD display at the rear of the fixture 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

### Control Options:

1. 3 Channel HSI (Hue, Saturation and Intensity): 2 colour channels for hue (255 colours) and saturation, and a separate intensity channel.
2. 3 Channel RGB (Red, Green and Blue with \*Magic Amber): 3 colour channels that directly affect the intensity of the corresponding LED.
3. 3 channel RGB(A) + 1 intensity channel (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(A) channels.
4. 4 channel RGBA (Red, Green, Blue and Amber): 4 control channels directly affecting the intensity of the corresponding LED.
5. Internal FX engine: features 7 variable parameters. See user manual for control details.

**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

### Home / DMX Address

To set the DMX start address, press Enter, press Up/Down buttons to adjust DMX start address, press Enter for 2 seconds to save settings.

### Control Mode

There are 11 DMX controlled modes featuring: 2 grouping options (cell-grouped, all-grouped) with 5 control options: HSIFX, HSI, RGB (with \*Magic Amber), RGBA, RGBI (with \*Magic Amber), pre-programmed looks and standalone effects. Refer to the list below for details. Press Enter, press Up/Down buttons to select control mode, and press Enter for 2 seconds to save.

Mode	Group	Ch	Description
1	Variable	43	7fx + 12 x HSI -or- 7fx + 12 x RGB(A) w/ Ch5/Full & Ch2/Intensity Master
2	Cell	36	12 x HSI
3	Cell	36	12 x RGB (with *Magic Amber)
4	Cell	48	12 x RGBA
5	Cell	49	1s + 12 x RGBI (*Magic Amber)
6	All	9	6fx + 3 x HSI -or- 6fx + 3 x RGB(A) with Ch4/Full & Ch1/Intensity Master
7	All	3	1 x HSI
8	All	3	1 x RGB (with *Magic Amber)
9	All	4	1 x RGBA
10	All	5	1s + 1 x RGBI (with *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: Press Enter, press Up/Down to the selection, press Enter for 2 seconds to save settings. Off - will snap to off; Hold - will hold the last valid DMX state; Look 1-31 will snap 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, press Up/Down to select Look Store, press Enter, press Up/Down to select the desired Look and press Enter for 2 seconds to save settings.

To replay a Look with a DMX console, press Up/Down to Control Mode11and press Enter for 2 seconds. 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.

### Display Backlight (Displ. Backlight)

The LED display can be set to go off after 5 seconds of no activity. Press Enter, Up/Down to On (permanently) or Off (after 5 seconds) and press Enter for 2 seconds to save settings.

### Reset to Default

Press Enter for 2 seconds to reset all menu items to factory defaults: DMX address = 001, Control Mode = 1, DMX Lost = Hold, Looks = default, Display = On, Frequency = 600

### Frequency

3 frequency settings are available - 600, 1200 and 2400 to allow for the LED scan rate to be synchronized with the video camera and avoid a flickering effect. Press Enter, Up/Down to select the frequency, press Enter for 2 seconds to save settings.

### Upload Engines

Pre-programmed engines can be uploaded to the Color Force from the Chroma-Q Uploader. Press Enter, Up/Down to select 'Upload Engines' and press Enter for 2 seconds to save. Connect to the Chroma-Q Uploader and proceed with the uploading process. See Quick Start Guide of the Chroma-Q Uploader for the uploading connection and operation.

### Reset to Default

Press Enter for 2 seconds to reset all menu items to factory defaults: DMX address = 001, Control Mode = 1 (43 channels HSI+FX), DMX Lost = Hold, Looks = default, Display = On, Frequency = 600

## 6. 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](http://www.chroma-q.com) – under Support.