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The Chroma-Q Color Force 12 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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Quick Start Guide Chroma-Q® Color Force™ 12



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

Software version 2.2

1. Overview

The Color Force 12 is a truly multi-purpose LED fixture that provides power across the spectrum, from deep cold blues to red hot lava looks all from a single fixture. At only 300mm / 1ft long, the unit is ideal for floor, wall or truss mounting. It also provides a massive output of 2,400 hot lumens, easily washing up to 8m / 26ft with smooth, theatrical grade dimming.

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), sRGBI (with intensity effects) and sRGBA (with intensity effects) control modes. A dynamic Variable Effects Engine is integrated in the control software.

The Color Force 12 features a built-in power supply which can operate as a stand-alone unit or remotely controlled through ANSI E1.11 USITT DMX 512-A protocol.

2. Safety



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

3. Cabling

The Color Force 12 uses 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 12 fixtures running off a single power input cable is 10 at 120V AC or 20 at 240V AC. Please refer to ANSI and AWG standards for the maximum data and power cable lengths.

4. Mounting

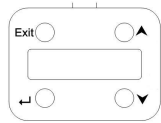
The Color Force 12 is equipped with a built-in adjustable mounting bracket for floor, wall and truss mounting applications. Use the quick release fixing for easy tilt adjustment. Secure the fixture with a safety bond through the fixing hold that is built into the brackets.

5. Optical Accessories

Two accessory slots and a swivel plate are included at the front and side of the fixture to hold and lock various slide-in lenses, barndoor, egg crates, half hats and top hats.

6. Control

The control functions 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 Menu

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

Main Menu / DMX Address

To set the DMX start address, press Enter from the Main Menu then press Up/Down buttons to adjust DMX start address and 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: HSIFX, HSI, RGB (with *Magic Amber), RGBA, RGBI (with *Magic Amber), pre-programmed looks and stand-alone effects. Refer to the list below for details.

Color Force 12: Control Mode - Software Version 2.2

Mode	Name	Group	Ch	Description
1	fxHSI	All	7	4fx + 1 x HSI (Colour Speed, Colour Range, Step, Strobe, Hue, Saturation, Intensity)
2	HSI	Duo	6	2 x HSI
3	RGB	Duo	6	2 x RGB (with *Magic Amber)
4	RGBA	Duo	8	2 x RGBA
5	sRGBI	Duo	9	1 intensity fx + 2 x RGBI (*Magic Amber)
6	sRGBA	All	5	1 intensity fx + 1 x RGBA
7	HSI	All	3	1 x HSI
8	RGB	All	3	1 x RGB (with *Magic Amber)
9	RGBA	All	4	1 x RGBA
10	RGBI	All	4	1 x RGBI (with *Magic Amber)
11	Look Sel		1	Look Select
12	Mastr StndAlon			Stand-alone Master
13	Slave StndAlon			Stand-alone Master

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 stand-alone operation, 1-23 are pre-programmed. To replay a Look in stand-alone operation, go to Look Store, select the desired Look and save. To replay a Look with a DMX console, select 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, stand-alone. (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.

Output Setting

In "Output Setting", select from 2 output options: "Standard" or "Matching CF48/72"

Fan Speed

The internal fan of the fixture can be set to 4 speed options: 'Quiet' – the fan is off; 'Studio' – low velocity; 'Live' – high velocity; 'Live when Light' – high velocity when light is on.

Reset to Default

In this mode, press Enter, display shows "reset?", press Enter for 2 seconds, to activate "resetting" and "done" when complete, and all menu items are reset to factory defaults: DMX address = 001, Control Mode = 9, When DMX is Lost = Hold, Looks = 01, Frequency = 600, Output Setting = Standard, Fan Speed = Live, ETC compatible = off.

7. Further Information

Please refer to the Chroma-Q Color Force 12 manual for more detailed information. A copy of the manual can be found at the Chroma-Q website – www.chroma-q.com – under Support.