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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 Studio Force V 12 / T 12 / D 12 / D XT 12 range 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-q.com.

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Quick Start Guide

Chroma-Q™

Studio Force™

V 12 / T 12 / D 12 / D XT 12



Chroma-Q™
BRILLIANT SOLUTIONS

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

Software Version 2.0

1. Overview

The Studio Force™ 12 LED fixtures range features a choice of 6,100K CCT daylight white (Studio Force D 12 & D XT 12), 3,000K CCT tungsten white (Studio Force T 12) & 3,000K – 6,100K CCT variable white (Studio Force V 12) models. Both models utilise two light engines featuring 24 high powered LEDs per engine / a total of 48 LEDs per fixture. The Studio Force D 12 & D XT 12 feature 24 cold white LEDs per engine, whereas the Studio Force V 12 features 12 cold white & 12 warm white LEDs per engine. The models are equipped with a built-in power supply & can operate as a stand-alone unit or be 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 & continuous strobe may cause epileptic seizure.
3. This product must be used with safety cable.

3. Cabling

The Studio Force fixtures use PowerCon connectors for power input & through. The DMX control data input & through connections from an external control console are via two XLR 5-pin connectors. The chassis is ground bonded.

Note: The maximum number of Studio Force 12 fixtures running off a single power input cable is 10 at 120V AC or 20 at 240V AC. Please refer to ANSI & AWG standards for the maximum data & power cable lengths.

4. Mounting

The Studio Force fixtures are equipped with built-in adjustable mounting brackets for floor, wall & 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 end plate of the fixture.

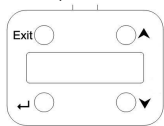
5. Optical Accessories

Slide-in optical accessories are available to adjust the beam angle of the Studio Force fixtures to suit a wide range of applications. Two accessory slots & a swivel plate are included at the front & side of the fixture to hold & lock these slide-in accessories: cyc & border light lens, lightbank kit*, egg crate louver, top hat, half top hat, barn door & softbox attachment accessories.

*The Lightbank kit consists of the Lightbank Adaptor (Speedring) & Lightbank. Both items can also be purchased separately. Fixture not included.

6. Control

The control functions of the Studio Force V 12 / T 12 / D 12 / D XT 12 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

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

The Studio Force V 12 / T 12 / D 12 / D XT 12 have 5 DMX controlled modes, 2 grouping options (Duo, All), & 3 stand-alone modes. Refer to the list below for details. Press Enter, press Up/Down buttons to select "Control Mode", use Up/Down arrow to select the mode & press Enter for 2 seconds to save.

Studio Force D 12, D XT 12 & T 12: Control Mode - Software Version 2.0

Mode	Name	Group	Ch	Description
1	Dim8x	Duo	8	WWWW + WWWW
2	FxDim	All	2	1 intensity Fx + All
3	Dim2x	Duo	2	2 x W
4	Dim1x	All	1	All
11	Look Sel		1	Look Select
12	Mastr StndAlon			Stand-alone Master
13	Slave StndAlon			Stand-alone Master
	Manual		0	Manual

Studio Force V 12: Control Mode - Software Version 2.0

Mode	Name	Group	Ch	Description
1	WWWW	Duo	8	WWWW + WWWW
2	sWWCW	All	3	1 intensity Fx + WW + CW
3	WW/CW	All	2	WW + CW
4	CTI	All	2	Colour Temp + Intensity
11	Look Sel		1	Look Select
12	Mastr StndAlon			Stand-alone Master
13	Slave StndAlon			Stand-alone Master
	Manual		0	Manual

Manual: From the main menu, press Up/Down to access "Control Mode", press Up/Down to select "Manual", & then press Enter for 2 seconds to save the setting. Press Exit & the display will show "Manual Control" – the colour temperature level "CT 00%" & the intensity level "Int 00%". To adjust the levels press enter once & the CT level will flash. Use the Up/Down buttons to adjust the value & press Enter again once & the "Int" level will flash. Use the Up/Down buttons to adjust the value & press Enter for 2 seconds to save the settings.

When DMX is Lost

If DMX is not detected various output options can be selected: press Up/Down to select this mode, select from the options & 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 stand-alone operation, 1-23 are pre-programmed. To replay a Look in stand-alone operation, press Up/Down to select Look Store, press Enter, press Up/Down to select the desired Look & press Enter for 2 seconds to save settings. To replay a Look with a DMX console, press Up/Down to Control Mode11& 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 & 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 & Advanced, stand-alone. (DMX is unplugged): refer to user manual for control details.

Technical

Press Up/Down & select "Technical", then press Enter, Up/Down to access either "Frequency" or "Upload Engines". Press Up/Down to select "Frequency" options – "600", "1200", "2400" & "4800", press Enter for 2 seconds to save. Press Up/Down to select "Upload Engines" – press Enter for 2 seconds to save & display will show "Ready"; connect to the Chroma-Q Uploader & proceed with uploading process.

Output Setting

Press Up/Down & select "Output Setting", then press Enter to select from 2 output options: "Standard" or "Matching CF48/72"; then press Enter for 2 seconds to save;

Fan Speed

Press Up/Down to select "Fan Speed" options – "Quiet", "Live", "Live" or "Live with Light", press Enter for 2 seconds to save. Refer to the user Manual for more details.

Reset to Default

Press Up/Down to access "Reset to Default", press Enter, display will show "reset?", press Enter for 2 seconds, display will show "resetting" & "done" when complete, & all menu items are reset to factory defaults: DMX address = 001, Control Mode = 6, When DMX is Lost = Hold, Looks = 00, Frequency = 600, Output Setting = Standard.

7. Further Information

Please refer to the Chroma-Q Studio Force V 12 / T 12 / D 12 / D XT 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.