

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 Span system has been designed specifically for the professional entertainment 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 Span™



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

1. Overview

The Chroma-Q Color Span is a configurable low profile, ultra bright LED cove lighting and wall wash system for wide ranging applications. The system gives flexibility to specify various aspects of its design, including:

IP rating: Indoor (IP20) or outdoor (IP67) rated use; **Fixture body length:** 400mm/16", 800mm/32", 1200mm/48"; **Body colour:** 10 colours, including stock Black, White or Silver; **LED colour:** RGBA, single colour Red, Green, Blue, Amber, Cool White, or any color combination for up to 4 channels; **Optics:** Narrow, Medium or Wide beam angles.

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. Color Span Fixture Unit (IP20 & IP67)

The Chroma-Q Color Span IP20 & IP67 fixtures come in lengths of 400mm / 16" with 16 LED, 800mm / 32" with 32 LED, and 1200mm / 48" with 48 LED. Each fixture regardless of length and number of LED shall have a total of 4 DMX channels all the time.

4. Color Span Power Supply Units

The Color Span PS02, PS06 and PS18 are power supply units which can be remotely controlled via ANSI E1.11 USITT DMX 512-A (XLR 5-pin) and available with outputs via RJ45 connection.

Color Span PS02 is a power supply with 2 outputs which can be configured for up to 2 full size (1200mm/48") 48 LED Color Span fixture units, or 2 (800mm/32") 32 LED Color Span fixture units, or 2 (400mm/16") 16 LED Color Span fixture units.

Color Span PS06 is a power supply with 6 outputs suitable for up to 6 full size (1200mm/48") 48 LED Color Span fixture units.

Color Span PS18 is a power supply with 18 outputs suitable for up to 18 full size (1200mm/48") 48 LED Color Span fixture units.

Output and Cabling Configurations:

The Color Span PS02 has 3 output configurations for up to 6 fixture configurations. The Color Span PS06 and PS18 are limited to a single output configuration for up to 3 fixture configurations each. Each RJ45 output connector of the Color Span PS02, PS06 and PS18 are color coded to indicate the appropriate Color Span fixture units.

Output Connector Color Code	Number of LED in the fixture	Fixture Length
Brown	16	400mm / 16"
Orange	32	800mm / 32"
Yellow	48	1200mm / 48"

Output Configuration:

PSU	Color Code	Fixture Configuration
Color Span PS02	Yellow	2 outputs x (48 LED fixture) 2 outputs x (32 LED + 16 LED fixtures) 2 outputs x (16 LED + 16 LED + 16 LED fixtures)
	Orange	2 outputs x (32 LED fixtures) – 2 outputs x (16 LED + 16 LED fixtures)
	Brown	2 outputs x (16 LED fixture)
Color Span PS06	Yellow	6 outputs x (48 LED fixture) 6 outputs x (32 LED + 16 LED fixtures) 6 outputs x (16 LED + 16 LED + 16 LED fixtures)
	Orange	6 outputs x (32 LED fixtures) – 6 outputs x (16 LED + 16 LED fixtures)
	Brown	6 outputs x (16 LED fixture)
Color Span PS18	Yellow	18 outputs x (48 LED fixture) 18 outputs x (32 LED + 16 LED fixtures) 18 outputs x (16 LED + 16 LED + 16 LED fixtures)
	Orange	18 outputs x (32 LED fixtures) – 18 outputs x (16 LED + 16 LED fixtures)
	Brown	18 outputs x (16 LED fixture)

Note: Damage may occur to the fixture if not the size as per the coded outputs.

5. Control

The Color Span system can operate as a stand-alone unit or controlled remotely via ANSI E1.11 USITT DMX512-A through the power supply, which can be set to operate in 12 control modes. Single and all-grouped outputs are available with 5 control options: FxHSI, HSI, RGB (with *Magic Amber™), RGBA, RGBI (with Magic Amber), pre-programmed looks and stand-alone effects. Refer to the user manual for full details.

Control Menu: is accessed via the LCD display and the following controls:

- Right hand button (Arrow) - Enter (hold for 2 seconds to save)
- Left hand button (Exit) - Exit without saving
- Centre pressure slide pad - Adjusts or scrolls through the menu items

Control Menu	Function																																																								
Home / DMX Address	Press Enter, scroll via the slide pad to adjust DMX address, press Enter for 2 seconds to save																																																								
Control Mode	<p>Press Enter, scroll to select 'Control Mode' and press Enter for 2 seconds to save</p> <table border="1"> <thead> <tr> <th colspan="4">Color Span PS02, PS06 and PS18:</th> </tr> <tr> <th>Mode</th> <th>Ch</th> <th>Grouping</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>61</td> <td>Variable</td> <td>7FX + 18 x HSI</td> </tr> <tr> <td>2</td> <td>54</td> <td>Single</td> <td>18 x HSI</td> </tr> <tr> <td>3</td> <td>54</td> <td>Single</td> <td>18 x RGB (with Magic Amber)</td> </tr> <tr> <td>4</td> <td>9</td> <td>All grouped</td> <td>6FX + HSI</td> </tr> <tr> <td>5</td> <td>3</td> <td>All grouped</td> <td>HSI</td> </tr> <tr> <td>6</td> <td>3</td> <td>All grouped</td> <td>RGB (with Magic Amber)</td> </tr> <tr> <td>7</td> <td>72</td> <td>Single</td> <td>18 x RGBA</td> </tr> <tr> <td>8</td> <td>72</td> <td>Single</td> <td>18 x RGBI (with Magic Amber)</td> </tr> <tr> <td>9</td> <td>4</td> <td>All grouped</td> <td>RGBA</td> </tr> <tr> <td>10</td> <td>4</td> <td>All grouped</td> <td>RGBI (with Magic Amber)</td> </tr> <tr> <td>11</td> <td>1</td> <td>Any</td> <td>Selection of pre-programmed looks</td> </tr> <tr> <td>12</td> <td></td> <td></td> <td>Stand-alone effects sequence</td> </tr> </tbody> </table> <p>*Magic Amber is the term used for the unit's ability to bring in amber when mixing colours that require it.</p>	Color Span PS02, PS06 and PS18:				Mode	Ch	Grouping	Description	1	61	Variable	7FX + 18 x HSI	2	54	Single	18 x HSI	3	54	Single	18 x RGB (with Magic Amber)	4	9	All grouped	6FX + HSI	5	3	All grouped	HSI	6	3	All grouped	RGB (with Magic Amber)	7	72	Single	18 x RGBA	8	72	Single	18 x RGBI (with Magic Amber)	9	4	All grouped	RGBA	10	4	All grouped	RGBI (with Magic Amber)	11	1	Any	Selection of pre-programmed looks	12			Stand-alone effects sequence
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When DMX is Lost	If DMX is not detected various output options can be selected: press Enter, scroll to selection, press Enter for 2 seconds to save																																																								
Look Store	42 internal FX Looks available for stand-alone operation, 1-9 are preset. To replay, press Enter, scroll through the Looks. Looks can be recorded to the internal flash memory and will be preserved on power down. Looks will be returned to default upon reset. There are two ways to record a look: Simple, with DMX console - set the PSU to Control Mode 1, use the DMX console to adjust to create the desired effect, scroll to Look Store and press Enter, scroll to the desired Look number, press Enter again for two seconds to save the Look. Advance, stand-alone – please refer to the Color Span User Manual for details.																																																								
Time Triggers	Press Enter, scroll to select 'Time Triggers', press Enter to toggle between Day, Hour (24), Minutes and Look to be triggered, press Enter for 2 seconds to save.																																																								
Set Day and Time	Press Enter, scroll to select 'Set Day and Time', press Enter and toggle between Day, Hour (24), Minutes, press Enter for 2 seconds to save.																																																								
Display Backlight	Press Enter, scroll to select 'Displ. Backlight', press Enter and select between On (permanently) or Off (after 5 seconds) and press Enter for 2 seconds to save																																																								
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, Look Store=default, Time Triggers=deleted, Display=On, Frequency=600																																																								
Frequency	Four frequency settings are available - 360, 600, 1200, 2400, which allows for the LED scan rate to be synchronised with the video camera and avoid a flickering effect. Press Enter, scroll wheel to select frequency, press Enter for 2 seconds to save settings.																																																								

6. Further Information

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