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The Chroma-Q Color Block 2 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.

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Quick Start Guide

Color Block 2™



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

1. Overview

The Color Block 2 fixture combines the modularity and versatility with the new single color RGBA optics, 530 lumens output (almost double the original model) and theatrical grade dimming. Each Color Block 2 fixture features 48 high output LED set into 12 single-optic RGBA clusters that are grouped into 4 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, and a dynamic Variable Effects Engine integrated in software which gives the lighting designer full control over colour and effects combinations.

Two DMX controlled power supplies are available. The Color Block PSU-05B features 1 XLR4 output with a maximum capacity of 5 daisy-chained Color Block 2 fixtures and the Color Block PSU-30 features 6 XLR4 outputs with a maximum capacity of 5 daisy-chained Color Block 2 fixtures for each output. See full PSU-05B and PSU-30 manuals for control details.

2. Safety

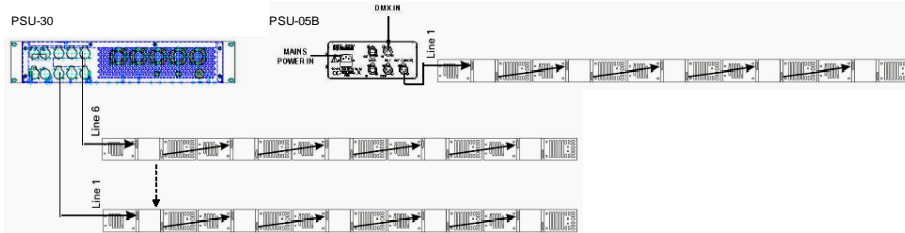


Caution

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 may cause epileptic seizure.
3. Continuous strobe in the effects may cause epileptic seizure.
4. This product must be used with safety cable.

3. Cabling

Connect power and control data from the power supply unit through the XLR 4-pin cable system. Pin 1 = 0VDC, pin 2 = control minus, pin 3 = control plus, pin 4 = +48VDC. The chassis should be ground bonded. A maximum of 5 daisy-chained Color Block 2 fixtures can be connected to one output. Return lines are not required, the total cable length of each chain must not exceed 60m/ ~200ft, and the cable for each adjacent units must not exceed 20m.



4. Fixings

1. Integrated connection system: Connect two fixtures together by mating the two protruding pins from one fixture into the keyhole slots of the other fixture. Slide the fixtures together and align to get past the extended catch plate. Use the butterfly latch to secure the fixtures together tightly (maximum 5 units together).
2. Batten bracket kit for up to 5 fixtures: Used for floor mounting, direct wall mounting and truss mounting in conjunction with hook clamps or half couplers.
3. Yoke kit for single fixture: used for floor mounting direct wall mounting and truss mounting in conjunction with hook clamps or half couplers.
4. Dual mode yoke kit for single fixture: combines the function of the single yoke and the batten bracket.
5. Blinder frame for 4 fixtures: consists of end plates with two complete sets of fixture fixing holes. 1st set holds the fixtures closely together ensuring equal centres for all 16 cells. 2nd set are adjustable to allow the blocks to be splayed out at varying angles.
6. Hinge kit: used to fit between 2 blocks and offer an angle adjustment of 180deg. If used in multiples, unique shapes can be achieved such as hexagons, octagons etc.
7. Wall bracket for single fixture: used to fix a single block to a wall or set piece. Keyhole slots are provided for vertical or horizontal fixing.

5. Control

The Color Block 2 is controlled via ANSI E1.11 USITT DMX512-A through the power supply, which can be set to operate in 16 control modes by selecting "CB2" under "System" in the "Control Menu". Single cell, block-grouped and all-grouped outputs are available in 5 control options: FxHSI, HSI, RGB (with *Magic Amber), RGBA, RGBI (with *Magic Amber), pre-programmed looks and standalone effects. See relevant PSU user manual for full details.

Color Block PSU-05B				Color Block PSU-30		
Mode	Ch	Group	Description	Ch	Group	Description
1	67	Variable	7FX + 20xHSI	367	Variable	7FX + 120xHSI
2	60	Cell	20xHSI	360	Cell	120xHSI
3	60	Cell	20xRGB	360	Cell	120xRGB
4	21	Block	6FX + 5xHSI	96	Block	6FX + 30xHSI
5	15	Block	5xHSI	90	Block	30xHSI
6	15	Block	5xRGB	90	Block	30xRGB
7	9	All	6FX + HSI	9	All	6FX + HSI
8	3	All	HSI	3	All	HSI
9	3	All	RGB	3	All	RGB
10	80	Cell	20xRGBA	480	Cell	120xRGBA
11	80	Cell	20xRGBI(*Magic Amber)	480	Cell	120xRGBI(*Magic Amber)
12	20	Block	5xRGBA	120	Block	30xRGBA
13	20	Block	5xRGBI(*Magic Amber)	120	Block	30xRGBI(*Magic Amber)
14	4	All	RGBA	4	All	RGBA
15	4	All	RGBI (*Magic Amber)	4	All	RGBI(*Magic Amber)
16	1	Any	Look Select	1	All	Look Select

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: The Color Block PSUs feature internal FX engine with 7 variable parameters. See full PSU-05B and PSU-30 manuals for control details.

Channel description for mode 1, 4 & 7:

Mode 1	Mode 4/7	Effects	Description
Ch 1		Grouping	variable grouping facility to run FX between / within groups
Ch 2	Ch 1	Colour Speed	variable speed of colour scrolling
Ch 3	Ch 2	Colour Fan	variable fan of colour between / within groups
Ch 4	Ch 3	Colour Range	variable limit of spectrum range for colour scrolling
Ch 5	Ch 4	Colour Step	variable control of smoothness of colour scrolling
Ch 6	Ch 5	Intensity Effects	wide selection of intensity fading and snapping effect
Ch 7	Ch 6	Intensity Fan	variable fan of intensity effects

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.

6. Further Information

Please refer to the Chroma-Q Color Block 2 manual for more detailed information. A copy of the manual can be found at the Chroma-Q website – www.chroma-q.com – under Support.