



Hyper 363 User Manual

Specifications

1. Construction: Heavy Duty Cast Aluminum
2. LED: 36 Total (12 red, 12 green, 12 blue)
3. LED Power: 3 Watt (x 36 pcs)
4. LED Current: 700 mA (x 36 pcs)
5. LED Beam Angle: 30°
6. LED Lifetime: 80,000-100,000 hours
7. Possible Color Combinations: 16.7 million
8. Dimming: 0-100% with regulated constant color control
9. Strobing: 10 Flashes per second (any color)
10. Multiple units can be daisy chained in Master/Slave configuration
11. Power Consumption: 40 Watts
12. Brightness (1 meter): 15,200 Lux at 1 meter
13. Operation Modes: DMX512, Manual, Sound, Internal Program
14. DMX Control: 6 Channels or 3 Channels
15. Control Panel: Digital 4 Character Alphanumeric
16. Includes 2-Part Yoke for Floor Operation without a Stand
17. Power Supply: Automatic Switching
18. Required Power: AC 90-240V, 50Hz/60Hz
19. Maximum Ambient Temperature: 40° C (104° F)
20. Package Size: 25.5 x 25.5 x 36.5cm
21. Gross Weight: 4.8 kg (10.6 lbs)



DMX Channel Listing

Channel	Value	Description
1 (Red)	0	Red Off
	1-255	Increasing Brightness
2 (Green)	0	Green Off
	1-255	Increasing Brightness
3 (Blue)	0	Blue Off
	1-255	Increasing Brightness
4	0-255	Master Dimmer (works with or without Channel 6 active)
5	0-255	Strobe at Increasing Frequency (0=Off)
6	0-255	Adjusts Speed of Channel 6 Features
7 Automatic Programs	0-2	Channel Not Active
	3-49	Strobe Mode (Adjust Speed with Channel 5)
	50-100	Preset Colors (Adjust Color with Channel 5)
	101-150	Slow Color Fades (Adjust Speed with Channel 5)
	151-200	Quick Color Fades (Adjust Speed with Channel 5)
	201-250	Color Cycles by Snapping (Adjust Speed with Channel 5)
	251-255	Sound Active Mode: Colors Change to Sound

Setting Up DMX Connection with an External Controller:

1. Connect the Hyper unit to a DMX Controller (not included) using an microphone or data cable with XLR connectors. Multiple Hyper units may be connected by daisy-chaining them together. (Note that XLR input and output jacks are wired in parallel so that either may be used as input or output.)
2. Set the DMX Start Channel on the Hyper unit so that it is the same as the DMX Start Channel on the lighting controller.
3. Adjust the DMX channels on the controller to manipulate the light as desired.

Typical DMX Operation:

1. Set Channel 4 (master dimmer) to maximum value.
2. Set Channels 1, 2, & 3 so that the desired color is achieved.
3. If strobing is desired, set Channel 6 to 10 and adjust speed with Channel 5.
4. Set Channel 4 so that the desired overall brightness is achieved.



Operation without an External Controller (Master/Slave Mode)

1. Connect all units together using microphone/data cable.
2. Set the 'Master' unit to desired color output, choosing from the 'Fd' (Fading color change), 'Sn' (Snapping color change), 'Co' (Preset colors), or 'SoUd' (Sound active) settings described in the Modes of Operation section of this manual.
3. Set all other units (slaves) to 'd001' (not d.001).
4. All units will not have the same output as the master unit.

Modes of Operation

There are six modes of operation, each of which may be accessed by pressing the 'Menu' button on the back of the unit. Each press of the 'Menu' button advances to the next mode. The modes are:

Display (min to max value)		Function
d001	d512	3 Channel Mode (1= Red, 2 = Blue, 3 = Green) Use d001 setting for slave units.
d.001	d.512	6 Channel Mode (See DMX Channel Listing)
Fd01	Fd99	Fade: Color Cycle by Fading (slow to fast; press 'Enter' to confirm)
Sn01	Sn99	Snap: Color Cycle by Snapping (slow to fast; press 'Enter' to confirm)
Co01	Co99	Preset Colors (1=white, 2=red, 3=green, 4=blue, etc.)
SoUd	SoUd	Sound Mode: Colors change to sound