HyperScan™ hp30w

LED SCANNER SERIES




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The **Hyperscan™ HP30w** is a high-output, 30 watt, compact LED scanner designed to produce maximum visual excitement. Its perfect for mobile DJs, musicians or permanent installations such as clubs, discos or house of worship. Its long-life LED lamp is brighter than a 250 watt ELC 24v halogen lamp.

Use with or without a controller, its loaded with auto running programs and sound activated programs. The mirror is powered by fast, ultra-smooth, stepless motors with no jitter movements. Its guaranteed to blow away your audience. For convenience, the control panel is equipped with a 4-digit LED display for adjusting DMX addresses and internal programs.

The HyperScan HP30w is equipped with 8 gobos and features a color wheel loaded with superior dichroic glass for saturated chromatic beams. Smooth electronic dimming, strobe, sound activation and preset macro movements round out the features of this impressive LED scanner.

This popular LED scanner will be a perfect addition to your light show.

HyperScan HP30w Specifications

- High-output, long life 30 watt white LED lamp
- 13° beam angle with manual lens focus
- Very portable and lightweight (13 lbs, 6 kg)
- 8 DMX channels
- Pan 180° - Tilt 80° ranges
- Vector speed channel (enables very slow pan/tilt movements)
- 8 Gobo shapes plus 'Gobo Shake Effect'
- Variable dimmer | Variable strobe
- Lux: 5150 @ 1 meter | 620 @ 3 meter
- Invert option for Pan / Tilt
- 4 digit LED control panel
- Operates in stand-alone mode with or without DMX controller
- Will operate as a Master or Slave unit with other HyperScan™ HP30w fixtures
- LED life 50k hrs. (based on manuf. test data)
- Power / Current: 120V, 60Hz: 50W, .5 amps operating current

30 watt LED Lamp | 5150 Lux @ 1m

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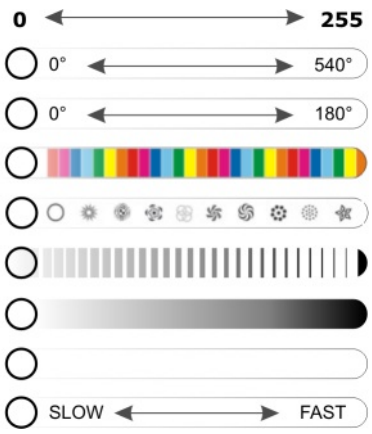
DMX CHANNEL PROTOCOL

FIXTURE CHANNEL	FUNCTION
Channel 1	Pan
Channel 2	Tilt
Channel 3	Color Wheel
Channel 4	Gobo Wheel
* Channel 5	Strobe
* Channel 6	Dimmer
** Channel 7	Movement Macros
** Channel 8	Movement Macros Speed



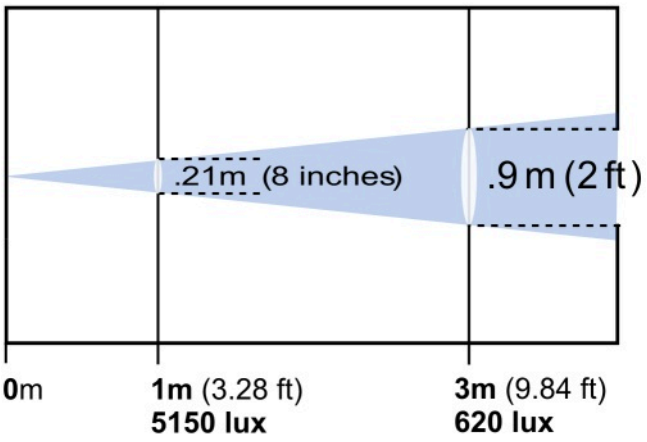
* Ch. 5 and 6 (Strobe / Dimmer) work together. The dimmer will not function unless Ch. 5 is activated.

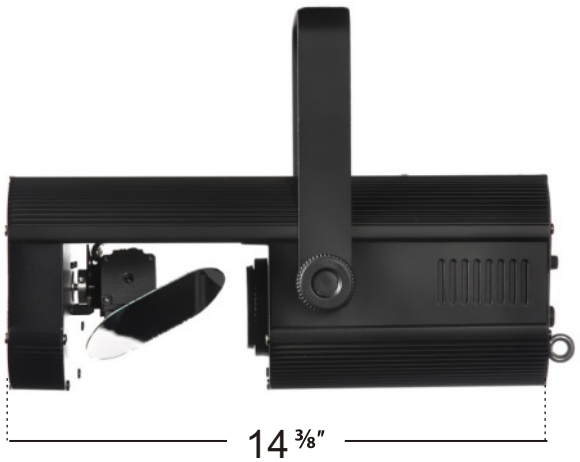
** When activating Ch. 7 (Movement Macros) Ch. 1 & 2 (Pan/Tilt) will be disabled and will not functiion until Ch. 7 is returned to DMX value 000. Ch. 8 controls the speed of Ch. 7

For detailed information about DMX channel values, ranges, macros, etc., please download the full operation manual visit our web site at: www.colorverge.com

PHOTOMETRICS

Standard 13° Beam Angle
Lux measurements at 100%





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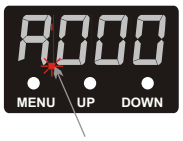
CONTROL PANEL FUNCTIONS

To change modes, press the **Menu** repeatedly to view the optional MODES.



Flashing LED dot indicates DMX signal is present

DMX ADDRESS MODE: This is the most common mode and must be used with a DMX512 controller. To change DMX address, press **MENU** button repeatedly until you see A (the letter "A" followed by 3 digits) now press **UP/DOWN** until you reach the desired DMX starting address.

SLAVE MODE: Master/Slave mode is to be used without a controller. This mode allows the fixture to be controlled by a single Master fixture within the DMX chain. Set the first fixture in the chain to MASTER" mode (see below). You can choose from (4) Slave modes and they all "listen" to the master fixture but with slight variations.

To enter **SLAVE** mode press **MENU** repeatedly until you see a mode starting with S: example: S-1-
This sets the fixture to **SLAVE** mode. Now press **UP/DOWN** to choose one of (4) **SLAVE** modes:

- S-1- This is the standard slave mode and will instruct the fixture to follow the Master in perfect unison
- S-2- This mode instructs the fixture to randomly INVERT the Pan and Tilt
- S-3- Variation of S-2-
- S-4- Variation of S-2-

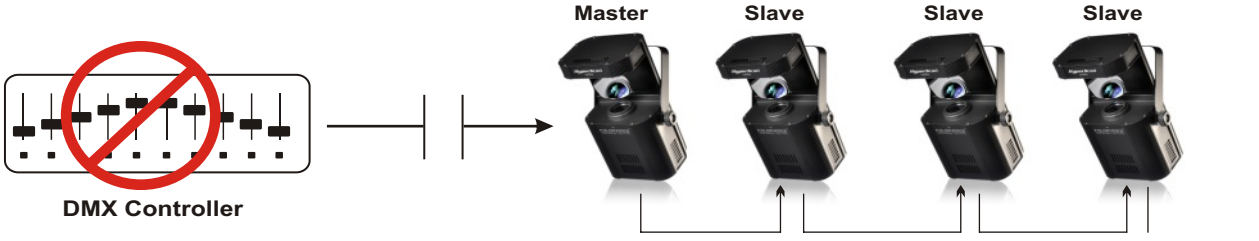
⚠ **NOTE:** Before setting your fixtures to Master/Slave mode, be sure to unplug your DMX controller (if using one) from the DMX chain. Assign the first fixture in the chain as the **MASTER** (see diagram at bottom of page). All subsequent fixtures must be set to **SLAVE** mode.

MASTER MODE: Master/Slave mode is to be used without a controller. Never assign 2 fixtures as MASTER. This mode sets the fixture to Master and will instruct all other fixtures in the DMX chain to "listen" and follow commands in unison. The MASTER fixture must be the first fixture in the DMX chain and all SLAVE fixtures are subsequent (see diagram below).

To enter **MASTER** mode press **MENU** repeatedly until you see d-1- This sets the fixture to **MASTER** mode. Now press **UP/DOWN** to choose one of (2) **MASTER** modes:

- d-1- This is the "Sound Activate" master mode and instructs the fixture to respond to sound
- d-2- This is the "Auto" master mode and instructs movements based on preset patterns
- d-3- (Unused) do not select d-3-

⚠ **NOTE:** Do not confuse **MASTER MODE** with **DISPLAY MODE**.
They both start with d: Master Mode is D-1- whereas Display Mode is D--1



⚠ **NEVER connect a controller to any fixture while using Master / Slave mode functions.**
⚠ **NEVER assign 2 fixtures as the Master. Only one fixture can be Master.**

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PAN INVERT MODE: Inverting the Pan movement will instruct the fixture to Pan in the opposite direction as other fixtures. This feature is useful when using multiple fixtures and mirrored movements are desired. Some controllers allow Pan / Tilt inverting within the scene presets, making it unnecessary to use the Pan / Invert mode within the fixture.

To enter **PAN INVERT MODE**, press **MENU** until you see a mode starting with P then press **UP/DOWN** to choose a mode. This mode is auto-stored and will remain on until changed.

P--1 Pan Normal
P--0 Pan Invert Mode

⚠ IMPORTANT: After changing the Pan Invert Mode, be sure to return to an operating mode such as: **DMX ADDRESS MODE, MASTER MODE or SLAVE MODE.** Simply press **UP/DOWN** to choose desired operating mode.

TILT INVERT MODE: Inverting the Tilt movement will instruct the fixture to Tilt in the opposite direction as other fixtures. This feature is useful when using multiple fixtures and mirrored movements are desired. Some controllers allow Pan/Tilt inverting within the scene presets, making it unnecessary to use the Pan / Invert mode within the fixture.

To enter **TILT INVERT MODE**, press **MENU** until you see a mode starting with t then press **ENTER**, then press **UP/DOWN** to choose a mode. This mode is auto-stored and will remain on until changed.

t--1 Tilt Normal
t--0 Tilt Invert Mode

⚠ IMPORTANT: After changing the Tilt Invert Mode, be sure to return to an operating mode such as: **DMX ADDRESS MODE, MASTER MODE or SLAVE MODE.** Simply press **UP/DOWN** to choose desired operating mode

DISPLAY MODE: This mode will allow you to leave the control panel display on permanently, or will automatically turn off the display after making changes to the settings.

To enter **DISPLAY MODE**, press **MENU** until you see a mode starting with d then press press **ENTER**, then press **UP/DOWN** to choose t--1 for Tilt normal or t--0 Tilt Invert Mode. This mode is now stored and will remain on until changed.

d--1 This setting allows the display to remain on
d--0 This setting will automatically turn off the display after 5 seconds

⚠ **NOTE:** Do not confuse **DISPLAY MODE** with **MASTER MODE**.
They both start with d : Display Mode is D--1 whereas Master Mode is D-1-