



RUSH MH 10 Beam FX

The Martin RUSH MH 10 Beam FX is a compact 60W RGBW LED Beam moving head fixture with an independent, built-in LED ring. With 24 individually-controllable RGB LEDs surrounding a central beam lens, the RUSH MH 10 FX offers a variety of exciting visual effect possibilities at an affordable price.

The Martin RUSH MH 10 Beam FX uses a collimator lens design, creating a striking, high-intensity look on stage. The OSRAM OSTAR LEDs on the MH 10 Beam offers excellent color mixing with Martin MAC Aura, RUSH MH 6, and RUSH Par 2 fixtures. Independent control of the ring LEDs also allows the fixture to easily blend into on-stage LED video elements.

Other features include continuous pan and tilt and lightweight build, providing a number of interesting rigging possibilities and high-speed looks. The Martin RUSH MH 10 is a perfect fit for nightlife, houses of worship, cruise ships and small-to-medium touring and rental customers.

Collimator lens for a super-tight 4.5° high intensity beam

LED ring with 24 independently-controllable LEDs

Continuous pan/tilt for unrestricted movement and high-speed looks

FEATURES

- Bright 60 W Osram RGBW LED engine
- Collimator lens with tight 4.5° beam angle
- Ambient glow ring with 24 individually pixel-controllable RGB LEDs
- Electronic dimming and Strobe
- Temperature-controlled fan cooling
- Unlimited Pan & Tilt rotating
- 3 + 5 pin XLR DMX connection
- Neutrik TRUE 1 in and thru socket
- Compact size—L: 275 x W: 188 x H: 325 mm / L: 10.8 x W: 7.4 x H: 12.8 in
- Low weight—7.5 kg/16.5 lbs.

TECHNICAL SPECIFICATIONS

Physical

Length: 275 mm (10.8 in.)

Width: 188 mm (7.4 in.)

Height: 325 mm (12.8 in.)

Weight: 7.5 kg (16.5 lbs.)

Dynamic Effects

Beam color mixing: RGBW

Ring color mixing: RGB, grouped or individual control of 24 cells

Virtual color wheel: 33 color presets, virtual color wheel rotation effects, random color (independent in beam and ring)

Pre-programmed effects: FX (effect macros) in ring with variable speed and direction of sequences, synchronization and chases across multiple fixtures

Dimming: 0-100%, coarse and fine control (independent in beam and ring)

Electronic shutter effect: Strobe effect, pulse effects, instant open and blackout (independent in beam and ring)

GALLERY



Pan: 540°
Tilt: 270°
Pan and tilt rotation effect: Constant, variable speed and direction

Control and Programming

Control options: DMX, RDM, stand-alone, master/slave
DMX channels: 24 or 93
Stand-alone trigger options: Music trig, auto trig
Setting and addressing: Control panel with backlit LCD display
Pan and tilt speed: Adjustable via onboard control panel and DMX
DMX compliance: USITT DMX512/1990
RDM compliance: ANSI/ESTA E1.20

Optics

Beam effect light source: 60 W RGBW Osram LE RTDUW S2WP
Ring effect light source: 24 x 0.25 W RGB LEDs
Cutoff beam angle: 4.4°
Minimum LED lifetime: 20 000 hours to >70% luminous output*
**Under manufacturer's test conditions*

Construction

Color: Black
Housing: High-impact flame-retardant thermoplastic
Protection rating: IP20

Installation

Mounting points: Two quarter-turn omega brackets for rigging clamps
Location: Indoor use only, must be fastened to surface or structure
Orientation: Any
Minimum distance to illuminated surfaces: 200 mm (8 in.)
Minimum distance to combustible materials: 100 mm (4 in.)
Minimum clearance around fans and air vents: 100 mm (4 in.)

Connections

AC power in, thru: Neutrik TRUE1
DMX data in, thru: 3-pin and 5-pin locking XLR

Electrical

AC power: 100-120 / 200-240 V nominal, 50/60 Hz
Power supply unit: Auto-ranging electronic switch mode

Typical Power and Current

120 V, 60 Hz 0.85 A, 100W, PF 0.99
230 V, 50 Hz 0.49 A, 108W, PF 0.99
Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

Thermal

Cooling: Forced air (temperature-regulated, low noise)
Maximum ambient temperature (Ta max.): 40° C (104° F)
Minimum ambient temperature (Ta min.): 0° C (32° F)
Total heat dissipation (calculated, +/- 10%, at full intensity, full white): 1300 BTU/hr.

Approvals

EU safety: EN 60598-2-17 (EN 60598-1), EN 62471, EN 62493
EU EMC: EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3
US safety: UL 1573
US EMC: CFR Title 47 Part 15 Class A
Canadian safety: CSA C22.2 No. 166
Canadian EMC: ICES-003 Class A
Australia/NZ (pending): RCM

Included Items

Power cable, 1.5 m (4.9 ft.), without mains plug

Accessories

Cables, 16 A, for connection to power

Power input cable, H07RN-F, 2.5 mm², 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.): P/N 91611797
Power input cable, H07RN-F, 2.5 mm², 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 5 m (16.4 ft.): P/N 91611786
Power input cable, SJOOW, 12 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.): P/N 91610173
Power input cable, SJOOW, 12 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 5 m (16.4 ft.): P/N 91610174

Cables, 16 A, for relaying power in chains

Power relay cable, H07RN-F, 2.5 mm², TRUE1 to TRUE1, 0.45 m (1.5 ft.): P/N 91611784
Power relay cable, H07RN-F, 2.5 mm², TRUE1 to TRUE1, 1.2 m (3.9 ft.): P/N 91611785
Power relay cable, H07RN-F, 2.5 mm², TRUE1 to TRUE1, 2.5 m (8.2 ft.): P/N 91611796
Power relay cable, SJOOW, 12 AWG, TRUE1 to TRUE1, 0.45 m (1.5 ft.): P/N 91610170
Power relay cable, SJOOW, 12 AWG, TRUE1 to TRUE1, 1.2 m (3.9 ft.): P/N 91610171
Power relay cable, SJOOW, 12 AWG, TRUE1 to TRUE1, 2.5 m (8.2 ft.): P/N 91610172

Connectors

Power connector, cable mount, Neutrik TRUE1 NAC3FX-W (female): P/N 91611789
Power connector, cable mount, Neutrik TRUE1 NAC3MX-W (male): P/N 91611788

DMX data link

DMX termination plug, 3-pin male XLR: P/N 91613017

Installation hardware

G-clamp (installation hanging vertically downwards only): P/N 91602003
Half-coupler clamp: P/N 91602005

Related Items

RUSH® Software Uploader 1: P/N 91611399

Ordering Information

RUSH® MH 10 Beam FX in cardboard box: P/N 90280120

