



## GALLERY



# 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)

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 mm<sup>2</sup>, 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 mm<sup>2</sup>, 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 mm<sup>2</sup>, TRUE1 to TRUE1, 0.45 m (1.5 ft.): P/N 91611784  
Power relay cable, H07RN-F, 2.5 mm<sup>2</sup>, TRUE1 to TRUE1, 1.2 m (3.9 ft.): P/N 91611785  
Power relay cable, H07RN-F, 2.5 mm<sup>2</sup>, 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

