



RUSH MH 7 Hybrid™

The Martin RUSH MH 7 Hybrid is an all-in-one beam, spot and wash moving head with class-leading optics and zoom system that allows designers maximum flexibility from the high-energy dance floor to performing arts spaces, all within an affordable price bracket.

The RUSH MH 7 Hybrid features include super sharp crisp optics with 3 zoom modes: 2.2 to 15 degrees in Beam Mode, 2.5 to 24 degrees in spot mode and 15 to 45 degrees in wash mode.

The high output is achieved from the Philips Platinum 11R 250W, 6,500 K lamp with 8 rotating/indexing and 12 static gobos. There are 10 selectable colors and effects via an 8 facet circular and 4 facet linear prism.

- All-in-One Hybrid, Beam Spot Wash
- Class leading optical system
- Full feature set including 8 and 4 facet prisms
- Includes 2 gobo wheels

MARRUS035

Physical
Length: 301 mm (11.9 in.)
Width: 408 mm (16.1 in.)
Height: 644 mm (25.4 in.)
Weight: 24 kg (52.9 lbs.)
Dynamic Effects
Color wheel: 10 colors plus CTO, CTB, UV and open
Rotating gobo wheel: 8 gobos plus open, 16bit indexing, rotation and shake
Static gobo wheel: 12 gobos plus open, wheel rotation and shake
Prism 1: 4facet, 16bit indexing, variable rotation direction and speed
Prism 2: 8facet, 16bit indexing, variable rotation direction and speed
Focus: Motorized, 16bit coarse and fine control
Zoom: Motorized, 16bit coarse and fine control
Dimming: 0100%, coarse and fine control
Shutter: Strobe effect, pulse effects, instant open and blackout
Pan: 540°
Tilt: 250°
Control and Programming
Control system: DMX
DMX channels: 21
Setting and addressing: Control panel with backlit LCD display
DMX compliance: USITT DMX512/1990
Lamp
Approved lamp: Philips MSD Platinum 11R 250 W
Color temperature: 7800 K
Average lifetime: 2000 hours*
Optics
Beam angle, Beam Mode: 2.15° 13°
Beam angle, Spot Mode: 3.5° 20.5°
Beam angle, Wash Mode: 15° 45°
Construction
Color: Black
Housing: High-impact flame-retardant thermoplastic
Protection rating: IP20
Interchangeable rotating gobos
Permitted material: Stainless steel or borosilicate glass with 450° C high temp. coating
Diameter: 14 mm +0/0.2 mm (0.55 in. +0/0.008 in.)
Max. image diameter, glass: 8 mm (0.31 in.)
Max. image diameter, metal: 9.5 mm (0.37 in.)
Thickness, glass: 1.1 mm +0/0.05 mm (0.045 in. +0/0.002 in.)
Thickness, metal: 0.2 mm (0.008 in) nominal
Installation
Mounting points: Two quarterturn brackets for rigging clamps
Location: Indoor use only, must be fastened to surface or structure
Orientation: Any
Minimum distance to illuminated surfaces: 10 m (33 ft.)
Minimum distance to combustible materials: 20 cm (8 in.)
Minimum clearance around fans and vents: 50 cm (20 in.)
Connections
AC power in/thru: Neutrik PowerCon
DMX data in/out: 3pin and 5pin locking XLR

Electrical
AC power (EU models): 100240 V nominal, 50/60 Hz
Power supply unit: Autoranging electronic switch mode
Primary fuse: 5T, 250 V, 8.0 A
Typical Power and Current
120 V, 60 Hz: 377 W, 3.1 A, PF 0.985
230 V, 50 Hz: 372 W, 1.7 A, PF 0.978
Measurements made at nominal voltage. Figures are typical, not maximum, allow for a deviation of +/-10%.
Thermal
Cooling: Forced air (temperatureregulated, 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): 1430 BTU/hr.
Approvals
EU safety: EN 60598217 (EN 605981), EN 62471, EN 62493
EU EMC: EN 55015, EN 55032, EN 551032, EN 6100032, EN 6100033, EN 61547
US safety: UL 1573
US EMC: 47 CFR Part 15 Class A
Canadian safety: CSA C22.2 No. 166
Canadian EMC: ICES003 Class A
Australia/NZ: RCM (pending)
Included Items
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Accessories
Cables, 16 A, for connection to power in chains
Power input cable, 14 AWG, UL, SJT, 1.5 mm2, H05VVF, with PowerCon input connector, 3 m (9 ft. 11 in.): P/N 11541508
Power relay cable, 14 AWG, UL, SJT, 1.5 mm2, H05VVF, with PowerCon input connector, 1.4 m (4 ft. 8 in.): P/N 11541509
Power relay cable, 14 AWG, UL, SJT, 1.5 mm2, H05VVF, with PowerCon input connector, 2.25 m (7 ft. 5 in.): P/N 11541510
Power relay cable, 14 AWG, UL, SJT, 1.5 mm2, H05VVF, with PowerCon input connector, 3.25 m (10 ft. 8 in.): P/N 11541511
Connectors
Neutrik PowerCon NAC3FCA power input connector, cable mount, blue: P/N 05342804
Neutrik PowerCon NAC3FCB power output connector, cable mount, light grey: P/N 05342805
DMX link
DMX termination plug, 3pin male XLR: P/N 91613017
5pin male XLR to 3pin female XLR adaptor: P/N 11820005
Installation hardware
Gclamp: P/N 91602003
Halfcoupler clamp: P/N 91602005
Safety cable, safe working load, 50 kg (110.3 lbs.): P/N 91604003
Related Items
RUSH™ Software Uploader 1: P/N 91611399
Ordering Information
RUSH MH 7 Hybrid™ in cardboard box: P/N 90280100

*Under manufacturer's test conditions