

Specifications

Physical

Length	221 mm (8.7 in.)
Width	505 mm (19.9 in.)
Height	527 mm (20.7 in.)
Weight	21 kg (46.3 lbs.) incl. 2 head modules, excl. brackets

Dynamic Effects

Color mixing	RGB or HSV
Red or hue	0 - 100%
Green or saturation	0 - 100%
Blue or value	0 - 100%
Color temperature control	Variable 10 000 - 2000 K
Electronic 'color wheel' effect	33 LEE-referenced colors plus white, variable speed color wheel rotation effect and random color
Pre-programmed effects	Two superimposable chase/pulse/flip/flicker/strobe/static effects with variable intensity, effect x-fading and 'pixel wheel' rotation speed
Strobe effect	Electronic, with pulse and random effects
Electronic dimming	0 - 100%, four dimming curve options
Zoom	16° (Hypermode), 20° - 50°
Pan	630° with two speed settings
Tilt	300° with two speed settings

Optics

Light source	36 Osram multi-color LED high power emitters
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Control and Programming

Control	DMX
Color control modes	RGB, HSV
DMX channels	13/17/21/25/33 depending on control mode & pixel grouping
Setting and addressing	Control panel with LED display
Protocol	USITT DMX512/1990
Transceiver	RS-485

Construction

Color	Black
Housing	High-impact flame-retardant thermoplastic and die-cast aluminum
Protection rating	IP 20

Installation

Mounting points	2 pairs of 1/4-turn locks
Orientation	Any
Minimum distance to illuminated surfaces	200 mm (8 in.)
Minimum distance to combustible materials	200 mm (8 in.)
Minimum distance to persons in the beam zone	1 m (3.4 feet)

Connections

AC power input	Neutrik PowerCon
DMX data in/out	5-pin locking XLR, RJ-45

Electrical

AC power	100-240 V, 50/60 Hz
Maximum total power consumption with one module installed	386 W
Maximum total power consumption with two modules installed	766 W
Power supply unit	Electronic switch mode
Mains fuses	2 x 10 AT

Thermal

Cooling	Filtered forced air, temperature-regulated, low noise
Maximum ambient temperature (Ta max.)	40° C (104° F)
Minimum ambient temperature (Ta min.)	5° C (41° F)
Maximum surface temperature under steady state condition	80° C (176° F)
Total heat dissipation (calculated, +/- 10%), one module installed	1312 BTU/hr
Total heat dissipation (calculated, +/- 10%), two modules installed	2604 BTU/hr

Approvals



EU safety	EN 60598-1, EN 60598-2-17
EU EMC	EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 61000-6-4
US safety	UL 1573
Canadian safety	CAN/CSA-E60598-1:02, CAN/CSA-E598-2-17-98

Included Items

Two Omega clamp attachment brackets with 1/4-turn fasteners	2 x P/N 91602001
User manual	P/N 35000229
Neutrik PowerCon NAC3FCA AC mains power input connector	P/N 05342804
Two 10 AT mains fuses (installed)	2 x P/N 05021029

Accessories

MAC 401 Dual™ double flightcase	P/N 91510150
Color frame kit for MAC 401 Dual™	P/N 91610102
G-clamp	P/N 91602003
Half-coupler clamp	P/N 91602005
Quick trigger clamp	P/N 91602007
Safety wire, universal, SWL (Safe Working Load) 50 kg	P/N 91604003
DMX cable, STP, 1 pair + shield, IEC/UL-CL, 1 m	P/N 91611242
DMX cable, STP, 1 pair + shield, IEC/UL-CL, 2 m	P/N 91611243
DMX cable, STP, 1 pair + shield, IEC/UL-CL, 5 m	P/N 91611244
DMX cable, STP, 1 pair + shield, IEC/UL-CL, 10 m	P/N 91611245
DMX cable, STP, 1 pair + shield, IEC/UL-CL, 20 m	P/N 91611246

Spare parts

10 AT mains fuse	P/N 05021029
Replacement head air filter	P/N 62407156

Related items

Martin Universal USB/DMX Interface Device	P/N 90702045
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Ordering Information

MAC 401 Dual™, in cardboard box	P/N 90231200
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Specifications subject to change without notice. For the latest product specifications, see www.martin.com



Disposing of this product

Martin™ products are supplied in compliance with Directive 2002/96/EC of the European Parliament and of the Council of the European Union on WEEE (Waste Electrical and Electronic Equipment), as amended by Directive 2003/108/EC, where applicable.

Help preserve the environment! Ensure that this product is recycled at the end of its life. Your supplier can give details of local arrangements for the disposal of Martin products.