MAMBA
GRAPHICAL RHAPSODY

OPTICS
- 13-element 21:1 zoom high-resolution optic system
- Beam aperture: 0.7° to 15°
- Fast motorised linear zoom
- Tempered anti-reflective coated lenses
- 250 mm frontal lens for greater performance

LIGHT SOURCE
- Luminous flux: 2,600,000 lux at 10 m
- Colour temperature output: 9000 K
- Rated life (L70): up to 12,000 hours
- Speckle-free source

MOVEMENT
- Highly accurate positioning
- Moving-head operated via either 8- or 16-bit resolution
- High-resolution stepper motors operated via microprocessors to ensure extreme accuracy and smooth movement
- Pan and tilt automatic repositioning
- Moving-head range: infinite pan and tilt rotation

COLOURS
- Sophisticated colour mixing system providing CMY color mixing
- Fixed colour wheel with variable CTO, 15 complementary colour filters, 2 minus green filters, 2 multicolour filters and 3 coloured animation sections

GOBOS
- One indexable rotating gobo wheels with 12 quartz glass gobos, plus open position
- Adjustable-speed rotating gobo in both directions
- Fixed multi-position gobo wheel with instant access to 80 metal gobos
- Gobo diameter: 6.9 mm
- Image diameter: 4.0 mm

FROST
- 2 frost filters : one light, one heavy

EFFECTS
- Monochromatic graphical animation effects wheel with continuous rotation in both directions
- 2 set of 4 combinable rotating and indexable prisms
- 2 extra set of 2 combinable rotating and indexable prisms

DIMMER / STROBE
- Electronic dimmer, allowing perfect light adjustment from 0 to 100% without colour variation
- Strobe effect, with speed adjustment from 1 to 25 flashes per second

SOFTWARE FEATURES
- Local DMX addressing of luminaire and optional parameters through its built-in LCD control panel
- Remote DMX addressing of luminaire and optional parameters through a standard RDM DMX controller
- Information menu including hour counter, temperature, software version

HARDWARE FACILITIES
- Graphic LCD display for addressing and special functions settings, with flip function
- 5 menu buttons to set functions
- Excess temperature protection
- Integrated wireless CRMX TiMo RDM receiver from LumenRadio
- IP65 XLR 5 pin male and female connectors for DMX connection
- IP65 RJ45 IN / OUT connectors for ArtNet connection
- IP65 PowerCON TRUE1 TOP male connectors for power connection

CONTROL
- DMX 512 protocol, through DMX cable or a wireless system
- DMX-RDM compatible
- Stand-alone mode and Main/Follow modes
- ArtNet & sACN protocol through Ethernet cable
- Local control panel, with IP65 LCD display
- Footprint of 47 DMX channels

POWER SUPPLY
- Electronic supply with active PFC
- 100 to 240 Volts – 50/60Hz
- Power: 800 W maximum

COOLING SYSTEM
- Advanced liquid cooling system
- Self-adjusting variable speed fans for quiet operation (Auto mode)
- Selectable ventilation user modes with a new Silent Mode
- Safety protection against excess temperature

HOUSING
- Moving-head skeleton made of aluminium and steel metal plates
- Base in die-cast aluminium
- Heatsinks in aluminium and copper
- Moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- Two-side handles for transportation
- Four heavy-duty feet for better stability
- IP65 protection rating
- Exterior finish: black (Carbon)

INSTALLATION
- Fastening bracket system: two Omega ¼ turn brackets designed for use with standard clamps
- Mounting points: four ¼ turn locking fittings allowing installation of Omega brackets on luminaire
- Safety cable attachment point

OPERATING PARAMETERS
- Operating positions: all (device on floor or fixed to a support)
- Maximum permitted ambient temperature (Ta max): 45° C (113° F)
- Minimum permitted ambient temperature (Ta min): -20° C (-4° F)
- Minimum usage distance: 35 m (114.83 ft).

COMPLIANCE
EU (EMC & LVD)
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

US (Safety & EMC)
- UL 1573
- FCC Part 15, Subpart B: 2018

SIZE
- Product: 404 x 749 x 366 mm (l x h x d)
- Flight-case foam: 680 x 640 x 500 mm (l x h x d)

WEIGHT
- Product: 41 kg

PRODUCT CODES
- 014570: MAMBA - LASER SOURCE IP65 6 SERIES

LEGAL
- MAMBA is AYRTON registered Trademark
- MAMBA is patent pending

AYRTON
Digital Lighting