

# MINIPANEL FX



**AYRTON**  
Digital Lighting

# MINIPANEL FX CREATIVE SOLUTION

MINIPANEL FX is a versatile new multi-function and multi-use luminaire that combines the same main features and essential components as the MAGICPANEL FX, in an ultra compact format. Fitted with four squared 65 mm lenses, the proprietary optical zoom system ensures a 15:1 zoom ratio, with a wide range of 3.6° to 53°. The crisp separation between the beams that enhances contrast, combined with an optical system using no visible moving parts and a stationary transmitting lens, offers new possibilities for creating graphical effects. Effects capabilities can be coupled with beam, wash or matrix applications to produce superb results whether performing in front of the audience or camera.



Highly compact, light, ultra-fast and powerful, MINIPANEL FX is equipped with four new low-etendue 35 W RGBW multi-chip LED emitters paired with a high-efficiency optical system. The fixture offers an overall luminous flux of 2400 lumens and a centre-beam luminous intensity of 331,200 candelas for an overall consumption of only 200 W. The continuous, unlimited, rotation on pan and tilt, first introduced on the legendary MAGICPANEL-602 in 2013, is standard. MINIPANEL FX is equipped with extended serial connectivity and can be controlled via DMX-RDM or a wireless link using CRMX TiMo RDM from LumenRadio™.





## OPTICS

- Motorized linear zoom system, ratio 15:1
- Beam aperture: 3.6° to 53°
- High-efficiency optical system

## LIGHT SOURCE

- 4 multi-chip High-Power LED sources
- Light output: up to 2,400 lumens
- Rated sources life: up to 40,000 hours
- Flicker free sources management, suitable for TV applications and all video recorded events

## MOVEMENT

- Continuous PAN and TILT rotation
- Extremely accurate positioning
- Moving-head operated via either 8 or 16 bit resolution
- High-resolution stepper motors operated via microprocessors ensure extreme accuracy and smooth movements.
- PAN and TILT automatic repositioning

## COLOURS

- Sophisticated 4 colours RGBW mixing, reaching high Colour Rendering Index
- Uniform light beam with no colour shadows, and rich saturated and pastel colour-hues
- 4.29 billion colours (8 bit resolution)
- Virtual colour wheel, including most usual white colour temperature presets
- Dynamic colour macro effects with variable speed

## EFFECTS

- 2D & 3D graphical effects capabilities
- Effects can be coupled with beam, wash or matrix applications
- Built-in pattern effects with speed and fade controls for scenic applications

## DIMMER / STROBE

- Electronic dimmer, allowing perfect light adjustment from 0 to 100% without colour variation
- White or colour 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
- Built-in pattern effects with speed and fade controls for scenic applications
- Information menu including hour counter, temperature & software version

## HARDWARE FEATURES

- Graphic LCD display for addressing and special functions settings, with flip function
- 6 menu buttons to set the functions
- Over temperature protection
- Integrated LumenRadioTM's wireless CRMX TIMO RDM receiver
- XLR 5 pin male and female connectors for DMX connection
- PowerCON TRUE1 male and female connectors for power connection

## CONTROL

- DMX 512 protocol, through DMX cable or wireless system
- DMX-RDM compatible
- Stand-alone mode and Master/Slave modes
- Local control panel, with LCD display
- Choice of 3 DMX modes (from 19 to 34 DMX channels)

## POWER SUPPLY

- Electronic supply with active PFC
- 100 to 240 Volts - 50/60Hz
- Power 220 W max

## COOLING SYSTEM

- Advanced cooling system
- Self adjusting variable speed fans for quiet operation (Auto mode)
- Selectable auto, stage & studio ventilation modes
- Safety protection against temperatures excesses

## HOUSING

- Moving-head skeleton made of aluminium and steel metal plates
- Heatsinks in aluminium and copper, satin finish
- Moulded covers in self-extinguishing fire retardant ABS PC (V0 class)
- Two sides handles for transportation
- Four strong wide feet for better stability
- IP20 protection rating
- Exterior finish: black (Carbon)

## INSTALLATION

- Fastening brackets system: one Omega ¼ turn bracket designed for use with standard clamps
- Mounting points: two ¼ turn locking fittings allowing installation of omega bracket on projector
- 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): -10°C (14°F)
- Minimum usage distance: 1,5 m (4,92 ft)

## COMPLIANCE

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

## SIZE

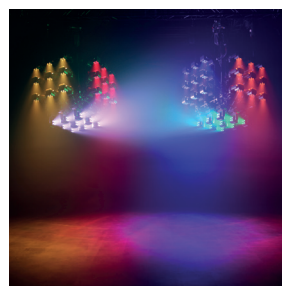
- Product: 285 x 397 x 220 mm (l x h x d)
- Flight-case foam: 340 x 425 x 275 mm (l x h x d)

## WEIGHT

- Product: 8.9 KG

## PRODUCT CODES

- 015450: MINIPANEL FX CREATIVE SOLUTION





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[www.ayrton.eu](http://www.ayrton.eu)

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