

Mania EFX Series specifications

Physical

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|------------------------------------|---|
| Dimensions EFX500 & EFX600 (LxWXH) | 410 x 500 x 230mm (16.2 x 19.7 x 9.1 in.) |
| Dimensions EFX700 & EFX800 (LxWXH) | 400 x 500 x 230mm (15.8 x 19.7 x 9.1 in.) |
| EFX500 weight | 12.5 kg (27.6 lb.) |
| EFX600 EU model weight | 14 kg (31 lb.) |
| EFX600 US model weight | 16.5 kg (36.5 lb.) |
| EFX700 EU model weight | 14.1 kg (31.1 lb.) |
| EFX700 US model weight | 16.6 kg (36.6 lb.) |
| EFX800 EU model weight | 14.7 kg (32.4 lb.) |
| EFX800 US model weight | 17.2 kg (38 lb.) |

All dimensions and weights include the supplied mounting plate

Installation

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|--|----------------|
| Orientation | any |
| Minimum distance to combustible material | 0.1 m (4 in.) |
| Minimum distance to illuminated surface | 0.3 m (12 in.) |
| Minimum clearance around air vents | 0.1 m (4in) |
| Suitable for mounting on combustible surfaces (wood, etc.) using mounting bracket and plate and respecting minimum distances specified | |

Construction

Housing steel and aluminum, rubber corner protectors

Lamp

EFX500, all models

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|-------------|--|
| Lamp type | 24 V, 250 W halogen lamp with integral reflector |
| Lamp socket | GX5.3 |

EFX600, EFX700 & EFX800, all models

| | |
|-------------|--------------------------------|
| Lamp type | 150 W discharge lamp |
| Lamp socket | G12 |

Control and programming

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|--|---|
| Control options | DMX, stand-alone music trig & auto trig, master/slave |
| Individual effects can be set to music trig remotely via DMX | |
| EFX500: number of DMX channels | 7 (mode 1) or 9 (mode 2) |
| EFX600: number of DMX channels | 6 (mode 1) or 8 (mode 2) |
| EFX700: number of DMX channels | 4 (mode 1) or 6 (mode 2) |
| EFX800: number of DMX channels | 5 (mode 1) or 7 (mode 2) |
| Data protocol | USITT DMX-512 (1990) |

Dynamic effects

EFX500, all models

Motorized rotating parabolic mirror dish
Motorized rotating gobo wheel, 11 colored gobos plus blackout
Motorized mirror drum, 180° swivel (pan) & 360° rotation (tilt)
0-100% dimmer
Strobe effect shutter

EFX600, all models

Motorized rotating parabolic mirror dish
Motorized rotating gobo wheel, 12 colored gobos
Motorized mirror drum, 180° swivel (pan) & 360° rotation (tilt)
Electromechanical 0-100% dimmer
Strobe effect shutter

EFX700, all models

Motorized rotating parabolic mirror dish
Motorized rotating gobo wheel, 12 colored gobos
Electromechanical 0-100% dimmer
Strobe effect shutter

EFX800, all models

Motorized rotating parabolic mirror dish
Motorized rotating gobo wheel, 12 gobos
Motorized color paddlewheel, 360° rotation (tilt)
Electromechanical 0-100% dimmer
Strobe effect shutter

Electrical

EFX500, all models

AC power . . . switch-selectable, 110-120 VAC, 60 Hz / 220-240 VAC, 50 Hz nominal
Main fuse. 3.15 AT
Typical power and current*
 @ 110 V, 60 Hz. 229 W, 2.1 A, PF = 0.997
 @ 115 V, 60 Hz. 248 W, 2.2 A, PF = 0.997
 @ 120 V, 60 Hz 264 W, 2.2 A, PF = 0.997
 @ 220 V, 50 Hz 229 W, 1.1 A, PF = 0.995
 @ 230 V, 50 Hz 247 W, 1.1 A, PF = 0.995
 @ 240 V, 50 Hz 265 W, 1.2 A, PF = 0.994

EFX600, EFX700 & EFX800, EU models

AC power switch-selectable, 220-230/240 VAC, 50 Hz nominal
Main fuse. 2 AT
Typical power and current*
 @ 220 V, 50 Hz 181 W, 0.9 A, PF = 0.950
 @ 230 V, 50 Hz 197 W, 1.0 A, PF = 0.926
 @ 240 V, 50 Hz 204 W, 1.0 A, PF = 0.923

EFX600, EFX700 & EFX800, US models

| | |
|----------------------------|----------------------------|
| AC power | 110-120 VAC, 60 Hz nominal |
| Main fuse | 3.15 AT |
| Typical power and current* | |
| @ 110 V, 60 Hz. | 189 W, 1.8 A, PF = 0.963 |
| @ 115 V, 60 Hz. | 207 W, 1.9 A, PF = 0.964 |
| @ 120 V, 60 Hz. | 226 W, 2.0 A, PF = 0.957 |

* V = volts, Hz = hertz, W = watts, A = amps, PF = power factor

Allow for a deviation of +/- 10% from typical figures listed above.

Measurements made at nominal voltage. Local supply voltages can vary by +/-10%.

Connections

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|-------------------|-------------------------|
| Power input | 3-prong IEC male socket |
| Data in/out | 3-pin locking XLR |

Thermal

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|---|--------------------|
| Time required to cool before handling | minimum 10 minutes |
| Maximum ambient temperature (T _a) | 40° C (104° F) |

EFX500, all models

| | |
|---|---------------|
| Maximum surface temperature, steady state, T _a = 40° C | 100°C (212°F) |
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EFX600, EFX700 & EFX800, all models

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|---|--------------|
| Maximum surface temperature, steady state, T _a = 40° C | 80°C (176°F) |
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Approvals



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|-----------------------|--|
| EU EMC | EN 55015, EN 61547, EN 61000-3-3, EN 61000-3-2 |
| EU safety | EN 60598-1, EN 60598-2-17 |
| US safety | UL 1573 |
| Canadian safety | CSA C22.2 NO 166 |

Included items

EFX500, all models

| | |
|---|--------------|
| Long-life 250 W halogen lamp | |
| 3 m (9.8 ft) EU mains cable 3x1.0mm ² with Schuko male connector | |
| 3 m (9.8 ft) EU mains cable 3x1.0mm ² with no male connector | |
| 2 m (6.5 ft) US mains cable 18AWG with US male connector (UL approved) | |
| 5 meter (16.4 ft.) RS-485 XLR cable for data link | P/N 11820008 |
| User manual | P/N 35000168 |

EFX600, EFX700 & EFX800, EU models

| | |
|---|--------------|
| Long-life 150 W discharge lamp | |
| 3 m (9.8 ft) EU mains cable 3x1.0mm ² with Schuko male connector | |
| 3 m (9.8 ft) EU mains cable 3x1.0mm ² with no male connector | |
| 5 meter (16.4 ft.) RS-485 XLR cable for data link | P/N 11820008 |
| User manual | P/N 35000168 |

EFX600, EFX700 & EFX800, US models

Long-life 150 W discharge lamp
2 m (6.5 ft) US mains cable 18AWG with US male connector (UL approved)
5 meter (16.4 ft.) RS-485 XLR cable for data link P/N 11820008
User manual P/N 35000168

Accessories

DMX termination plug (end of link), XLR male P/N 91613017
DMX termination plug, (start of link, master/slave), XLR female. P/N 91613018
G-clamp. P/N 91602003
Half-coupler clamp P/N 91602005
5-pin male to 3-pin female XLR adaptor cable P/N 11820005
5 meter (16.4 ft.) RS-485 XLR cable for data link P/N 11820008

EFX500, all models

Philips ELC 10H 250 W halogen lamp P/N 97000109
Main fuse, 3.15 AT P/N 05020043

EFX600, EFX700 & EFX 800, EU models

Philips CDM SA-T 150 W discharge lamp. P/N 97010111
Osram HSD 150/70 150 W discharge lamp P/N 97010117
Main fuse, 2 AT P/N 05020009

EFX600, EFX700 & EFX 800, US models

Philips CDM SA-T 150 W discharge lamp. P/N 97010111
Osram HSD 150/70 150 W discharge lamp P/N 97010117
Main fuse, 3.15 AT P/N 05020043

Ordering information

Mania EFX500, 115/230 V, 50/60 Hz P/N 90430050
Mania EFX600 EU model, 220-240 V, 50 Hz P/N 90430052
Mania EFX600 US model, 110-120 V, 60 Hz P/N 90430053
Mania EFX700 EU model, 220-240 V, 50 Hz P/N 90430054
Mania EFX700 US model, 110-120 V, 60 Hz P/N 90430055
Mania EFX800 EU model, 220-240 V, 50 Hz P/N 90430056
Mania EFX800 US model, 110-120 V, 60 Hz P/N 90430057