

Mania EFX Series specifications

Physical

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

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
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Lamp

EFX500, all models

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

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

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

Thermal

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

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



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

EFX800

Paddlewheel shield for use during transport

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

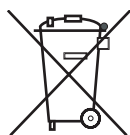
Philips CDM SA-T 150 W discharge lamp. P/N 97010111
Osram HSD 150/70 150 W discharge lamp P/N 97010117
Main fuse, 2 AT P/N 05020009

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



Disposing of this product

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