

MANIA EFX500/600 SPECIFICATIONS

Physical

Size with mounting plate (LxWXH)410 x 500 x 230mm (16.2 x 19.7 x 9.1 in.)
Mania EFX500 weight with mounting plate	12.5 kg (27.6 lb)
Mania EFX600 EU model weight with mounting plate	14 kg (31 lb)
Mania EFX600 US model weight with mounting plate	16.5 kg (36.5 lb)

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 specified minimum distances	

Construction

Housing	steel and aluminum, rubber corner protectors
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Source

Mania EFX50024 V, 250 W halogen lamp with integral reflector
Mania EFX500 lamp socket	GX5.3
Mania EFX600	150 W discharge lamp
Mania EFX600 lamp socket	G12

Control and programming

DMX control	USITT DMX-512 (1990) DMX protocol
Mania EFX500: number of DMX channels	7 (mode 1) or 9 (mode 2)
Mania EFX600: number of DMX channels	6 (mode 1) or 8 (mode 2)
Data I/O connections	3-pin locking XLR, pin 1=shield, pin 2 (-), pin 3 (+)
Stand-alone music trig (single fixture and synchronized master-slave)	
Stand-alone auto trig (single fixture and synchronized master-slave)	
Individual effects can be set to music trig remotely via DMX	

Dynamic effects

Motorized rotating parabolic mirror dish	
Motorized rotating gobo wheel, 11 colored gobos plus blackout (EFX500), 12 colored gobos (EFX600)	
Motorized rotating & swivelling mirror drum	
Pan	180°
Tilt	360°

Electrical

Mania EFX500 all models

Input	3-prong IEC male socket
AC power	switch-selectable, 110-120 V, 60 Hz / 220-240 V, 50 Hz
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

Mania EFX600 EU model

Input	3-prong IEC male socket
AC power	switch-selectable, 230 V / 240 V, 50 Hz
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

Mania EFX600 US model

Input	3-prong IEC male socket
AC power	115-120 V, 60 Hz
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%.

Thermal

EFX500: maximum exterior surface temperature, steady state 100°C (212°F)

EFX600: maximum exterior surface temperature, steady state 80°C (176°F)

Time required to cool before handling minimum 10 minutes

Maximum ambient temperature (T_a) 40°C (104°F)

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

Included items – EFX600 EU (230 V) 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

Included items – EFX600 US (115 V) 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

Philips ELC 10H 250 W halogen lamp (EFX500)	P/N 97000109
Philips CDM SA-T 150 W discharge lamp (EFX600)	P/N 97010111
Osram HSD 150/70 150 W discharge lamp (EFX600)	P/N 97010117
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
Mania EFX500 (all models) main fuse, 3.15 AT	P/N 05020043
Mania EFX600 (EU models) main fuse, 2 AT	P/N 05020009
Mania EFX600 (US models) 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