

# 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 EFX500 . . . . .	.24 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<sub>a</sub>) . . . . . 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 <sup>2</sup> with Schuko male connector	
3 m (9.8 ft) EU mains cable 3x1.0mm <sup>2</sup> 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 <sup>2</sup> with Schuko male connector	
3 m (9.8 ft) EU mains cable 3x1.0mm <sup>2</sup> 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