

# MANIA SCX600/700 SPECIFICATIONS

## Physical

Size (L x W x H) . . . . .	525 x 172 x 203 mm (20.7 x 6.8 x 8.0 in.)
Height (including bracket) . . . . .	408 mm (16.1 in.)
Mania SCX600 weight (including bracket) . . . . .	12.3 kg (27.1 lbs)
Mania SCX700 weight (including bracket) . . . . .	13.0 kg (28.7 lbs)

## Installation

Minimum distance to combustible materials . . . . .	0.1 m (4 in.)
Minimum distance to illuminated surfaces . . . . .	1 m (3.3 ft.)
Minimum clearance around fan and air vents . . . . .	0.1 m (4 in.)

## Construction

Housing . . . . .	Steel and aluminum
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## Source

Mania SCX600 lamp . . . . .	24 V, 250 W halogen with integral reflector
Mania SCX600 lamp socket . . . . .	G5.3
Mania SCX700 lamp . . . . .	150 W discharge
Mania SCX700 lamp socket . . . . .	G12

## Control and programming

DMX control . . . . .	USITT DMX-512 (1990) DMX protocol
Mania SCX600 DMX channels . . . . .	7 (mode 1) or 11 (mode 2)
Mania SCX700 DMX channels . . . . .	6 (mode 1) or 10 (mode 2)
DMX connections I/O . . . . .	3-pin locking XLR, pin 1 shield, pin 2 cold (-), pin 3 hot (+)
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 via DMX	

## Dynamic effects

- Color wheel: 9 interchangeable dichroic color filters plus open position.
- Rotating gobo wheel: 7 interchangeable rotating gobos  
(SCX600: 5 metal, 2 coated glass, SCX700: 4 metal, 3 coated glass)
- Gobo angle indexing (Mania SCX700 only)
- Gobo rotation and shake effects.
- Electromechanical shutter with variable frequency strobe effects.
- Moving mirror: 198° pan and 72° tilt.
- Full range continuous dimmer (SCX600 only).

## Optics

Manual focus . . . . .	2m (6.6 ft.) - 20m (65.6 ft.)
Beam angle . . . . .	17.6°

## Electrical

### **Mania SCX600 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 ..... 241 W, 2.2 A, PF 0.993  
@ 120 V, 60 Hz ..... 278 W, 2.3 A, PF 0.993  
@ 220 V, 50 Hz ..... 241 W, 1.1 A, PF 0.995  
@ 230 V, 50 Hz ..... 260 W, 1.2 A, PF 0.995  
@ 240 V, 50 Hz ..... 278 W, 1.2 A, PF 0.994

### **Mania SCX700 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 ..... 193 W, 1.0 A, PF 0.955  
@ 230 V, 50 Hz ..... 208 W, 1.0 A, PF 0.942  
@ 240 V, 50 Hz ..... 214 W, 1.0 A, PF 0.945

### **Mania SCX700 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 ..... 194 W, 1.9 A, PF 0.950  
@ 120 V, 60 Hz ..... 215 W, 2.0 A, PF 0.905

\* 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

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

Maximum surface temperature ..... 80° C (176° 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 – EU models

3 meter (9.8 ft) EU power cable, 3 x 1.0 mm <sup>2</sup> , Schuko male connector	
3 meter (9.8 ft) EU power cable, 3 x 1.0 mm <sup>2</sup> , no male connector	
5 meter (16.4 ft.) RS-485 XLR cable for data link	P/N 11820008
L type 5mm Allen key	P/N 50520615
User manual	P/N 35000169
Adjustable U-bracket	
Mania SCX600: long-life 250 W halogen lamp (installed)	
Mania SCX600: 3.15 AT 5x20 mm main fuse (installed)	P/N 05020043
Mania SCX700: long-life 150 W discharge lamp	
Mania SCX700: 2 AT 5x20 mm main fuse (installed)	P/N 05020009

## Included items – US models

2 meter (6.5 ft.) US AC power cable, 18AWG, US male connector (UL approved)	
5 meter (16.4 ft.) RS-485 XLR cable for data link	P/N 11820008
L type 5mm Allen key	P/N 50520615
3.15 AT main fuse (installed)	P/N 05020043
User manual	P/N 35000169
Adjustable U-bracket	
Mania SCX600: long-life 250 W halogen lamp (installed)	
Mania SCX600: 3.15 AT 5x20 mm main fuse (installed)	P/N 05020043
Mania SCX700: long-life 150 W discharge lamp	
Mania SCX700: 3.15 AT 5x20 mm main fuse (installed)	P/N 05020043

## Accessories

Philips ELC 10H 24 V, 250 W halogen lamp (SCX600)	P/N 97000109
Philips MasterColor CDM-SA/T 150 W discharge lamp (SCX700)	P/N 97010111
Osram HSD 150/70 150 W discharge lamp (SCX700)	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 SCX600 (all models) main fuse, 3.15 AT	P/N 05020043
Mania SCX700 (EU models) main fuse, 2 AT	P/N 05020009
Mania SCX700 (US models) main fuse, 3.15 AT	P/N 05020043

## Ordering information

Mania SCX600 EU model, 220-240 V, 50 Hz	P/N 90430082
Mania SCX600 US model, 110-120 V, 60 Hz	P/N 90430083
Mania SCX 700 EU model, 220-240 V, 50 Hz.	P/N 90430084
Mania SCX 700 US model, 110-120 V, 60 Hz.	P/N 90430085