Technical Specifications

| Power	AC 120V 60Hz	AC 230-250V 50/60Hz
Fuse	20mm Glass T6.3A Fast Blow	20mm Glass T5A Fast Blow
Lamps	1 x 24V 250W Part No. ELC 24V 250W	
Dimension	338mm x 320mm x 216 mm	
Weight	9 kg / 19.8 lbs	

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For further requirements, contact the nearest authorized technical assistance office

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Intelligent Scanner

Professional Lighting Technology

DMX512

LINKABLE

MASTER/SLAVE

Marvelous Sound Activation
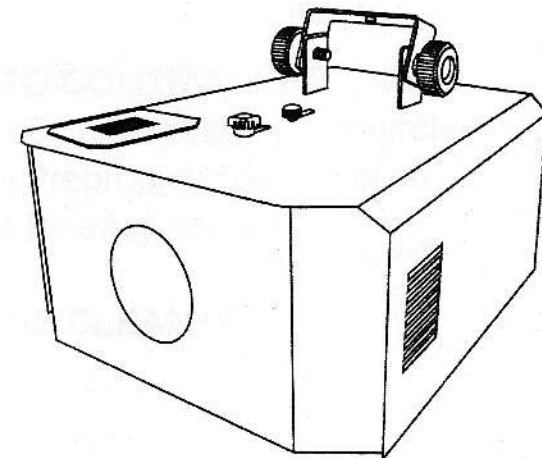
User Guide

Please read these instructions carefully before use

*Built for the best performance !*

B. MAIN FEATURES

- Voltage : AC 120V 60Hz or 230/240/250V 50/60Hz
- Bulb : ELC 24V 250W
- The unit is a DMX512 scanner. It features full DMX512 control, 14 gobos plus open and 14 colors plus white, accurate focusable optics system and stepper motor with blackout feature. Fan cooling.
- It can be operated by DMX512 control or can be used as an individual unit without a control.
- It can be linked together in master/slave combination, as many as required in 4 channels and run by built-in preprogrammed chase sequences automatically or by sound activation through an internal microphone to create an intelligent effect.
- Please use a 3 pin XLR cable/plug when connecting them together.
- It features different preprogrammed chase patterns.
- Dimensions : 338mm x 320mm x 216 mm
- Weight : 9 kg / 19.8 lbs
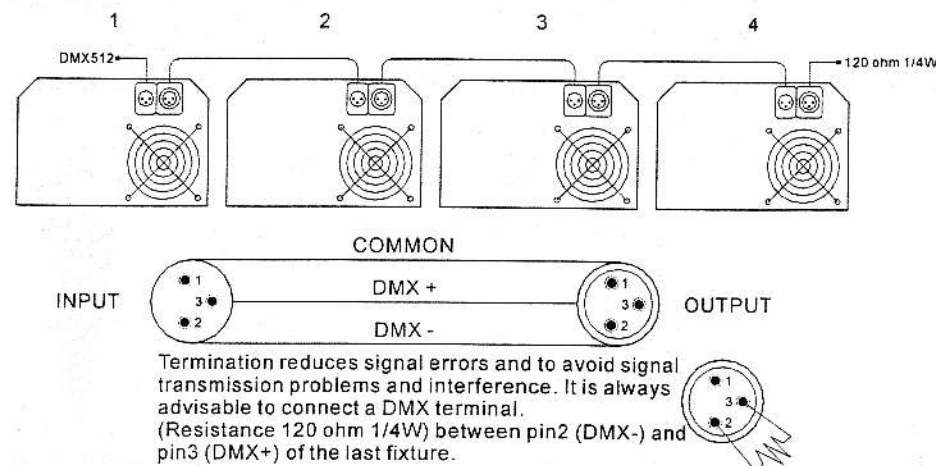
C. LAMP

ELC 24V 250W

- Always switch off the mains supply and never handle the lamp or luminaire when it is hot.
- Do not touch the bulb with bare hands. If this does happen, clean the lamp with denatured alcohol and wipe with a lint free cloth before installing.
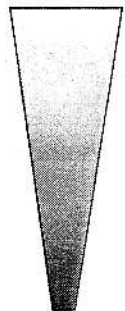

Beam angle range 8°~34°
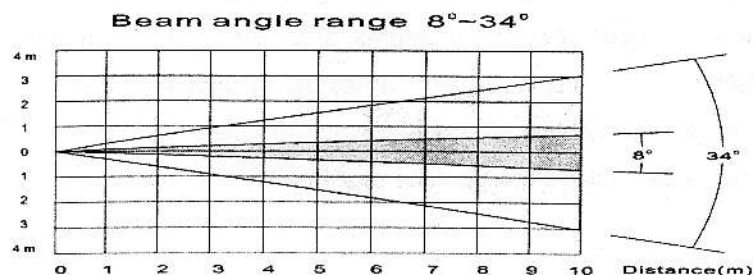
D. HOW TO CONTROL THE UNIT

(1) By universal DMX controller

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels.

Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal.
(Resistance 120 ohm 1/4W) between pin2 (DMX-) and pin3 (DMX+) of the last fixture.

- A DMX512 system requires a controller, lighting equipment and cable. These are connected together in a "daisy chain" with the terminator at the end. The cable cannot be branched or split to a "Y" cable.
- The terminator requires a 90-120 Ohm 1/4 Watt resistor soldered between two signal cables.
- The DMX512 uses a very high-speed signal. Inadequate or damaged cables, bad solder joints or corroded connectors can easily distort the signal and shut down the system. A reliable DMX512 system starts with good quality cables.
- Each lighting unit needs to have an address set to receive the data sent by the controller. The address number is between 0-511. The end of the DMX512 system should be terminated reducing signal errors.
- 3 pin XLR connectors are more popular than 5 pin XLR.
  3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
  5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

DMX512 CONFIGURATION

Channel 1	Channel 2	Channel 3	Channel 4
Shutter	Gobos/Colors	Rotation	Zoom
255 Fastest speed	255 Fastest speed	246-255 Stop	255 Fastest speed
⚡⚡⚡	◯	245 ◉	Zoom in/out (continue)
⚡⚡	Rainbow Effect		160 Slowest speed
⚡	128 Slowest speed		159 Zoom out max.
Gobo Shaking	120-127 Gobo 14 / Yellow		
	112-119 Gobo 13 / Red	135	
136 Slowest speed	104-111 Gobo 12 / Four-color		
	096-103 Gobo 11 / Green	121-134 Stop	
135 Fastest speed	088-095 Gobo 10 / Magenta		
	080-087 Gobo 9 / Red	120	
	072-079 Gobo 8 / Cyan		
⚡⚡⚡	064-071 Gobo 7 / Red		
	056-063 Gobo 6 / Green + Pink	◉	
⚡⚡	048-055 Gobo 5 / Magenta		
	040-047 Gobo 4 / Amber		
⚡	032-039 Gobo 3 / Blue	◉	
Strobe	024-031 Gobo 2 / Orange		
	016-023 Gobo 1 / Blue	010	
	008-015 Open		
016 Slowest speed	000-007 Blackout	000-009 Stop	000 Zoom in min.
000-015 Stop			

1	2	3	4	5	6	7	8	9	10	11	12	13	14
✴	♠	◎	☘	❖	◐	🍁	◆	🌀	♥	❀	⊕	★	◎

- Start the address

  How to address your DMX512 system:

1. Select the channels of DMX controller

2. Dipswitches

Dip	#1	#2	#3	#4	#5	#6	#7	#8	#9
Value	1	2	4	8	16	32	64	128	256

- Examples:

  Channel 01 : dip / on : #1 (=1)

  Channel 05 : dip / on : #1, #3 (1+4=5)

  Channel 09 : dip / on : #1, #4 (1+8=9)

  Channel 13 : dip / on : #1, #3, #4 (1+4+8=13)

(2) Preprogram functions

The unit can be linked together as master/slave in daisy chain in linkage as many units as required and run by built in preprogrammed chase sequences triggered by music.

Not need to set the dipswitches in master/slave mode.

* 2-light show

Dipswitch 10 "off" means the unit works normally and "on" means inversion. In order to creating a great light show, you can set dip switch 10 "on" on any unit that is linking to the master unit to get contrast movement to each other, even if you have two units only. Dipswitch 10 on the first unit is no use in the DMX linking, as it is the master unit that operates the light show.

(3) By easy controller

The easy remote control is used only in master/slave mode. By connecting to the 1/4" microphone jack of the first unit, you will find that the remote control on the first unit will control all the other units for Stand by, Strobe/Next and Fast/Slow function.

1. **STAND BY** - To blackout all the units.

2. **FUNCTION** - STROBE/NEXT

   - Under FAST (LED off)mode, the units will strobe in three different ways:

   a) Strobe in different gobos and colors.

   b) Synchronous strobe in white color.

   c) Two-light strobe in white color.

   - Under SLOW (LED on) mode, press FUNCTION button to choose desired color and gobo. It will change ten colors and then change one gobo.

3. **MODE** - FAST/SLOW

   When the LED is off, it is in FAST mode. The unit's movement- Pan/Tilt & Gobo/Color is sound activated. If the LED on, it is in SLOW mode, Pan/Tilt is sound activated but Gobo/Color wheel are static, controlled by Next button.