

SC-X50



Owner's Manual

LED SCANNER



Thanks a lot for purchasing our LED scanner. Please read this user manual carefully and follow the instructions to avoid danger or damage to the unit due to mishandling. Keep this user guide for future reference. If you give the unit to another user, be sure that he also receives this instruction booklet.

Safety instruction



You have to carefully read the instruction, which includes important information about the installation, usage and maintenance.

- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit as stated in this manual.
- The unit is for indoor use only. Use it only in a dry location. Exposing the device to rain or moisture would cause the risk of electrical shock or fire.
- The unit must be installed in a location with adequate ventilation, at least 50 cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect the device from the mains power before any servicing or maintenance.
- Never sever the power cord's earth wire of any device. Otherwise a **LIFE THREATENING** situation exists!
- Replace fuse/lamp only with the same type. Do not use any other type of lamp.
- Keep any flammable material away from the unit while it is operating. Otherwise you run the risk of causing a fire.
- Use safety cables when fixing this unit.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance centre. Always use the same type spare parts.
- There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs by yourself. If the fixture shows any visible damage or if your unit may require service, please contact your dealer.
- NEVER use the unit under the following conditions:
 - > In places subject to vibrations or bumps.
 - > In places with a temperature of over 40 °C or less than 2 °C.
 - > In places subject to excessive dryness or humidity (ideal conditions are between 35% and 80%).

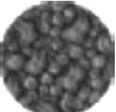
Installation

You can install the unit on the truss or ceiling. Use clamps to fix the unit to truss. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure. Also always use a safety cable that can hold 10 times of the weight of the unit when installing the fixture.

II control channels

This device allows DMX512 control. Please see details as follow:

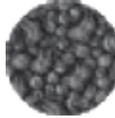
Channel	DMX value	Feature
1 PAN	0~255	540°
2 TILT	0~255	270°
3 COLOUR WHEEL	0~6	White
	7~13	Yellow
	14~20	Pink
	21~27	Green
	28~34	Red
	35~41	Blue
	42~48	Kelly
	49~55	Salmon pink
	56~63	Dark blue
	64~70	White or yellow
	71~77	Yellow or pink
	78~84	Pink or green
	85~91	Green or red
	92~98	Red or blue
	99~105	Blue or kelly
	106~112	Kelly or salmon pink
	113~119	Salmon pink or dark blue
	120~127	Dark blue or white
	128~191	Positive rainbow effect with increasing speed
192~255	Negative rainbow effect with increasing speed	
4 SHUTTER	0~3	Close
	4~7	Open
	8~215	Strobe effect with increasing speed
	216~255	Open

Channel	DMX value	Feature			
5 DIMMER	0~255	0~100 % mechanic dimmer			
6 GOBO WHEEL					
	0~7	8~15	16~23	24~31	
					
	32~39	40~47	48~55	56~63	
	64~71	Gobo 7 shake, from slow to fast			
	72~79	Gobo 6 shake, from slow to fast			
	80~87	Gobo 5 shake, from slow to fast			
	88~95	Gobo 4 shake, from slow to fast			
	96~103	Gobo 3 shake, from slow to fast			
	104~111	Gobo 2 shake, from slow to fast			
	112~119	Gobo 1 shake, from slow to fast			
	120~127	Open			
	128~191	Positive rainbow effect with increasing speed			
192~255	Negative rainbow effect with increasing speed				
7 GOBO ROTATION	0~63	Gobo rotation fixing			
	64~147	Positive rotation with increasing speed			
	148~231	Negative rotation with increasing speed			
	232~255	Gobo bouncing			
8 PRISM	0~3	Reserved			
	4~127	Positive rotation with increasing speed			
	128~251	Negative rotation with increasing speed			
	252~255	Stop, static prism effect			
9 FOCUS	0~255	Focus from far to near			
10 CHANNEL FUNCTION	0~7	Reserved			
	8~15	Blackout while pan/tilt moving			
	16~23	Disabled blackout while pan/tilt moving			
	24~31	Blackout while colour wheel moving			
	32~39	Disabled blackout while colour wheel moving			
	40~47	Blackout while gobo wheel moving			
	48~55	Disabled blackout while gobo wheel moving			
	56~87	Reserved			
88~95	Blackout all moving				

Channel	DMX value	Feature
10 CHANNEL FUNCTION	96~103	Reset pan
	104~111	Reset tilt
	112~119	Reset Colour wheel
	120~127	Reset Gobo wheel
	128~135	Gobo rotation reset
	136~143	Prism reset
	144~151	Focus reset
	152~159	All channel reset
	160~255	Reserved
11 BUILT-IN PROGRAMS	0~7	Reserved
	8~23	Program built-in 1
	24~39	Program built-in 2
	40~55	Program built-in 3
	56~71	Program built-in 4
	72~87	Program built-in 5
	88~103	Program built-in 6
	104~119	Program built-in 7
	120~135	Program built-in 8
	136~151	Sound control 1
	152~167	Sound control 2
	168~183	Sound control 3
	184~199	Sound control 4
	200~215	Sound control 5
	216~231	Sound control 6
232~247	Sound control 7	
248~255	Sound control 8	

8 control channels

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	64~70	White or Yellow		
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	85~91	Green or Red		
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113~119	Salmon Pink or Dark blue			
120~127	Dark blue or White			
128~191	Positive rainbow effect with increasing speed			
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4 SHUTTER	0~3	Close		
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	0~7	8~15	16~23	24~31
				
	32~39	40~47	48~55	56~63

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	72~79	Gobo 6 shake, from slow to fast
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7 PRISM	0~3	Reserved
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	252~255	Stop, static prism effect
8 FOCUS	0~255	Focus from far to near

Password channel

This is a service function. Keep the <MODE / ESE> button pressed for about 10 seconds. Then press the <UP>/<DOWN> buttons to enter the password 2323.

P000

Adjustment for Pan

t000

Adjustment for Tilt

G128

Adjustment for Gobo wheel

G128

Adjustment for colour wheel

H128

Start bit adjustment for the pan motor

Y128

Start bit adjustment for the tilt motor

For half step adjustments please proceed like this:

Keep the <MODE / ESE> button pressed for about 10 seconds. Then press the <UP>/<DOWN> buttons to enter the password 2322.

P128

Adjustment for half a step for the pan motor

t128

Adjustment for half a step for the tilt motor

L128

Adjustment for half a step for the prism motor

F128

Adjustment for half a step for the focus motor

Press the <UP>/<DOWN> button repeatedly until you reach the desired adjustment. Then press the <ENTER> button to confirm. After your confirmation the setting mode will auto exit after 10 seconds.

DMX: **d001**

nASL

Slow show

SLoU

nAFA

Fast show

FASt

nStS

Sound controlled show

StUn

SLAU

Slave function select

SoNU Slave

PAN

Pan inverted function

rPAN Pan inverted

tIt

Tilt inverted function

rIt Tilt inverted

d i S	→	Display inverted function
	→	r d i S Display inverted
11-Ch	→	Switch channel mode
	→	8-CH Basic mode
rESt		System reset
LoAd		Load defaults

Maintenance and care

Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics.

- Never submerge the device in water or any other liquid. Don't let any liquid get into the housing. This would damage the unit and cause a short circuit.
- Before cleaning the device you must disconnect it from the mains. Clean the surface of the device only with a slightly damp cloth. Never use petrol, solvents or any aggressive cleaners! These could damage the surface of the unit's housing!
- Use a dry soft cloth to clean the fan and the lens periodically. So you will maintain good ventilation and an optimal illumination effect.

Disposal

Do not dispose of the device at the end of his operating life in your normal domestic waste. This device is subject to the European Guidelines 2002/96/EC.

- Have the product disposed of by a professional disposal company or by your communal disposal facility.
- Observe the currently applicable regulations. In case of doubt contact your disposal facility.
- Dispose of packaging materials in an environmentally responsible manner.

Technical specifications

Power supply:	AC IIS / 230 V, 60 / 50 Hz
Power consumption:	135 W
Fitting lamp:	50 W LED
DMX-control-channels:	11 or 8, selectable from control board
Colour:	8 colour + open + rainbow
Gobo-wheel:	7 gobo + open + rainbow
Shutter:	Flash rate: 0-10 Hz
Dimmer:	0~100% mechanic dimmer
Maximum PAN-movement:	180°
Maximum TILT-movement:	90°
Master/Slave	activated by sound at pre-programmed function.

Our products are subject to a process of continual further development. Therefore modifications to the technical features remain subject to change without further notice.

