soundsation

USER'S MANUAL

SC-30W-1

30W RGB COB LED SCANNER LIGHT

Please read this manual carefully and proper take care of this manual.

Dear customer,

First of all thanks far purchasing a SOUNDSATION® product. Our mission is to satisfy all possible needs of musical instrument, professional audio and lighting users offering a wide range of products using the latest technologies.

We hope you will be satisfied with this item and, if you want to collaborate, we are looking for a feedback from you about the operation of the product and possible improvements to introduce in the next future. Go to our website **www. soundsationmusic.com** and send an e-mail with your opinion, this will help us to build instruments ever closer to customer's real requirements.

One last thing: read this manual before using the instrument, an incorrect operation can cause damages to you and to the unit. Take care!

The SOUNDSATION Team

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I. GETTING STARTED

I.I Important Safety Symbols

	The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.
	The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.

⏚ Protective grounding terminal

∼ Alternating current/voltage

⚡ Hazardous live terminal

ON Denotes the apparatus is turned on

OFF Denotes the apparatus is turned off

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

I.2 Important Safety Instructions

▶ Read these instructions
▶ Keep these instructions
▶ Heed all warning
▶ Follow all instructions

1.2.1. WATER / MOISTURE

This lighting is intended to indoor use only. To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable, explosive or corrosive materials surrounded in 10 meters while operating.

1.2.2. HEAT

The apparatus should be located away from heat sources such as radiators, stoves or other appliances that produce heat. Fixture may carry high heat, do not aim at objective exceeding 2 minutes.

1.2.3. VENTILATION

The unit must be installed in a location with adequate ventilation, at least 5m away from adjacent surfaces. Be sure that no ventilation slots are blocked.

1.2.4. OBJECT AND LIQUID ENTRY

Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

1.2.5. INSTALLATION

Always secure fixture using a safety chain and carrying handles. Never carry the fixture by its cord.

1.2.6. POWER CORD AND PLUG

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two poles; a grounding-type plug has two poles and a third grounding terminal. The third prong is provided for your safety. If the provided plug does not fit into your outlet, refer to an electrician for replacement.

1.2.7. POWER SUPPLY

Always make sure that you are connecting to the proper voltage and the line voltage not higher than stated on the decal or rear panel of the fixture. Unplug this apparatus during lightning storms or when unused for long periods of time.

1.2.8. FUSE

To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

1.2.9. ELECTRICAL CONNECTION

Always disconnect from the power source before servicing or replacing fuse/lamp and be sure to replace with same fuse/lamp size and type. Cut off power before moving, repairing and cleaning the machine. Improper electrical wiring may invalidate the product warranty.
To avoid electric shock, all fixtures must be connected to circuits with a suitable ground. Do not power on and power off the fixture in a short time.

1.2.10. DMX CONNECTION

When use DMX controller, please make sure that there is no interference sources (e.g. intercom, high frequency radio waves and radiation source.

1.2.11. CLEANING

Clean only with a dry cloth. Do not use any solvents such as benzol or alcohol.

1.2.12. SERVICING

In case of failure or misfunction occurred, 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 center. Buy the same spare parts/components from manufacturer directly.

Any damage that cased by violating this manual is out of insurance, our company will not take the responsibility.

1.2.13. WARNING

Avoid direct eye exposure to the light source while it is on.

1.3 Before You Start

1.3.1 UNPACKING

Carefully unpack the box and check the contents to ensure that all parts are present and in good conditions.

1.   30W RGB COB LED Scanner
2.   1.2m power cable
3.   User Manual

If anything damaged during transport, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If the fixture must be returned to manufacturer, it is important that the fixture be returned in the original manufacturer box and packing.

1.3.2 GETTING STARTED

Make sure there is enough space around the unit for proper ventilation and prevent overheating; do not place the unit on top of hot devices such as radiators or power amplifiers. The console is connected to mains through the supplied cable. The product meets the required safety standards. Blown fuses must be replaced with fuses of the same type and specification.

☞ **Make sure that all units must be properly grounded. For your safety, you should never remove any ground connector from electrical devices or power cables, or make them inoperative.**

Our products are subject to a process of continual further development. There-

fore modifications to the technical features remain subject to change without further notice.

2. PRODUCT OVERVIEW

SC-30W-1 is a professional lightweight scanner able to create beautiful and powerful lighting effects thanks to the high-brightness, long-life 30W RGB COB LED and the 9 high-quality gobos. The 7CH or 9CH Master/Slave DMX control or the Auto and Sound modes allows the SC-30W-1 to be used in a wide range of different applications: disco dance halls, clubs, pubs, bars, mobile DJ, etc.

2.1. Features

- ▶ LED source: 1pc 30W RGB COB LED
- ▶ 9 gobos + RGB color + spot, colorful changeable effect
- ▶ Built-in Master/Slave, Sound Active modes and Show mode
- ▶ DMX Control: 7 / 9 CH modes
- ▶ LED display, easy to set up
- ▶ Control modes: Sound active, Auto run, Show Mode, DMX Master / Slave
- ▶ Suitable for disco dance hall, club, bar, party, mobile DJ and so on
- ▶ Voltage: AC100-240V, 50-60Hz
- ▶ Fuse: T3A - 250V
- ▶ Power consumption: P=50W
- ▶ Eyelet for safety rope
- ▶ Fixture dimension (WxHxD): 375 x 175 x 150 mm (excl. bracket)
- ▶ Packing dimension (WxHxD): 450 x 280 x 255 mm
- ▶ Net weight: 3.4 kg
- ▶ Gross weight: 4.2 kg

2.1.1. LUMINANCE (AT 1 METER)

Red	980Lux
Green	1320Lux
Blue	1620Lux
White	3700Lux

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2.2. Front and Rear panels

Front Panel

There is a 4-digit LED display, which shows names and value of all parameters duging set up, and 4 bottons: MENU, DOWN, UP, ENTER.

Rear Panel

1. DMX512 In/Out connectors
2. Microphone (used in Sound Mode)
3. Power On/Off switch
4. Eyelet for safety rope

2.3. Mains Connections

Connect the device to the mains with the power-plug. The wire corresponden-

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ce is as follow:

WIRE	PIN	INTERMATIONAL
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	⏚

☞ **The earth must to be connected! Pay attention to safety!**

Before taking into operation for the first time, the installation has to be approved by an expert.

2.4. DMX-512 Connection

The wires must not come into contact with each other; otherwise the fixtures will not work at all, or will not work properly. Only use a DMX cable and 3-pin XLR-plugs and connectors in order to control with the fixture or one fixture with another.

DMX use of XLR connectors

1 = Ground / Shield
2 = DMX +
3 = DMX -

INPUT   OUTPUT

If you are using the recommended controllers, you can connect the DMX-output of the controller directly with the DMX-input of the first fixture in the DMX-chain. If you wish to connect DMX-controllers with other XLR-output, you need to use adapter-cables.

2.4.1. BUILDING A SERIAL DMX CHAIN

DMX Termonator

DMX 512

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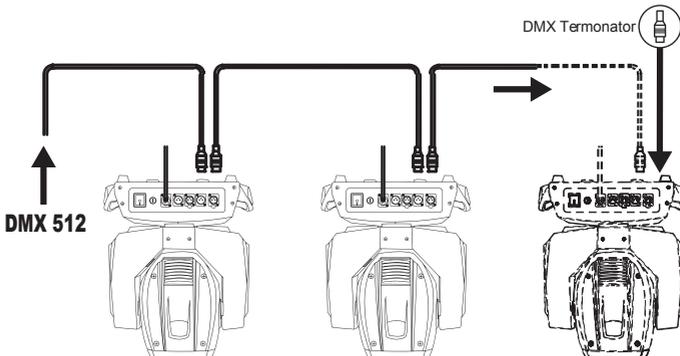
Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

**A word on termination**: DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.

DMX Terminator

120ohm, 1/4W resistor
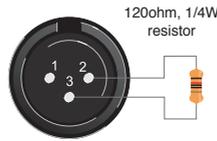
To build your own DMX Terminator: Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2&3 of the last fixture. They are also readily available from specialty retailers.

☞ **Complimentary signal cable can transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures.**
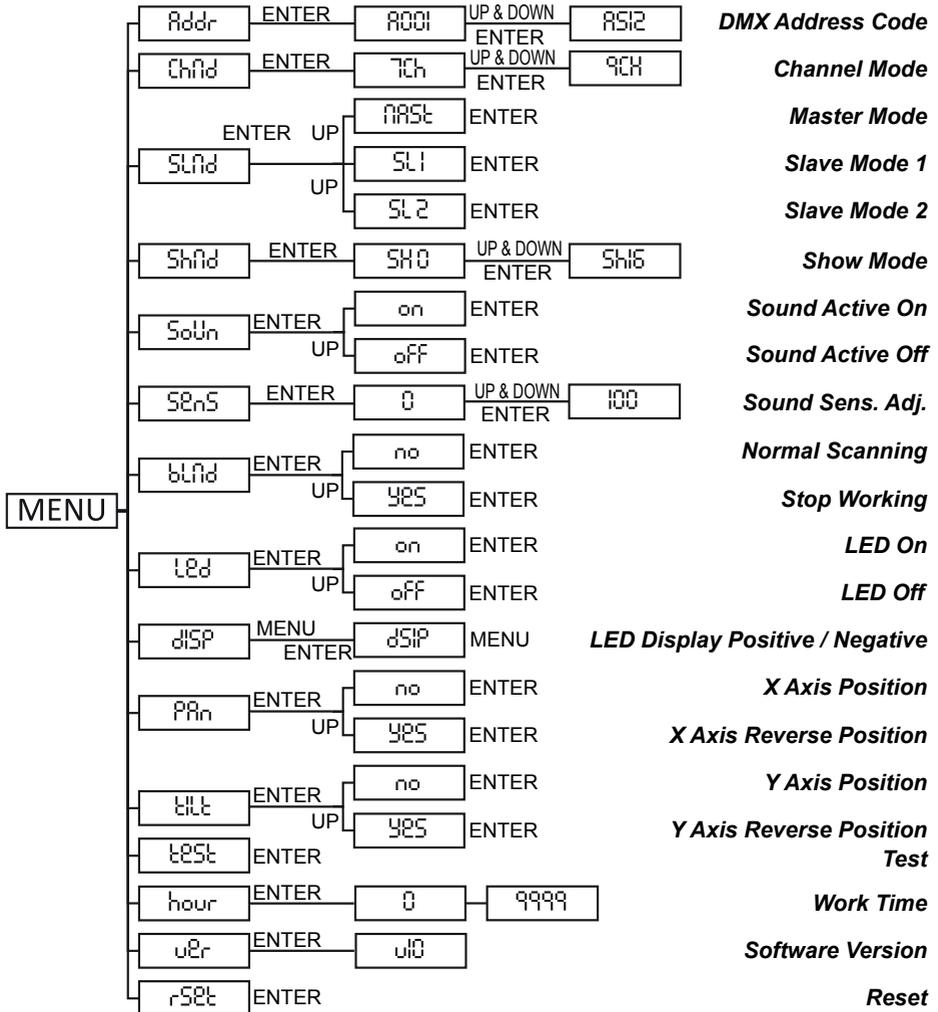
3. DISPLAY

3.1 LED display function

When choose a function, press **MENU** button and select menu options you want. Press **ENTER** button to accept the selected function; the display will flash. Then press **UP/DOWN** button to select the required function, press **ENTER** button, or wait for 10 seconds or press **MENU** button, then enter the

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menu mode.

3.1.1. MENU FUNCTIONS

Addr	ENTER	A001	UP & DOWN / ENTER	A512		*DMX Address Code*
Chnd	ENTER	7Ch	UP & DOWN / ENTER	9CH		*Channel Mode*
	ENTER UP	nASt	ENTER			*Master Mode*
SLnd	UP	SL1	ENTER			*Slave Mode 1*
		SL2	ENTER			*Slave Mode 2*
Shnd	ENTER	SH0	UP & DOWN / ENTER	SH16		*Show Mode*
SoUn	ENTER	on	ENTER			*Sound Active On*
	UP	off	ENTER			*Sound Active Off*
SEnS	ENTER	0	UP & DOWN / ENTER	100		*Sound Sens. Adj.*
bLnd	ENTER	no	ENTER			*Normal Scanning*
	UP	yES	ENTER			*Stop Working*
L8d	ENTER	on	ENTER			*LED On*
	UP	off	ENTER			*LED Off*
dISP	MENU / ENTER	dSIP	MENU			*LED Display Positive / Negative*
PAn	ENTER	no	ENTER			*X Axis Position*
	UP	yES	ENTER			*X Axis Reverse Position*
tILt	ENTER	no	ENTER			*Y Axis Position*
	UP	yES	ENTER			*Y Axis Reverse Position*
tESt	ENTER					*Test*
hour	ENTER	0	9999			*Work Time*
u8r	ENTER	u10				*Software Version*
rS8t	ENTER					*Reset*

MENU

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4. DMX Channel Mode

7CH

Channel	Value	Function		
CH1	000-255	X axis position		
CH2	000-255	Y axis position		
CH3	000-007	Black out		
	008-015	Open		
	016-131	Strobe, fast to slow		
	132-139	Open		
	140-181	Fast open slow close		
	182-189	Open		
	190-231	Slow open fast close		
	232-239	Open		
	240-247	Random strobe		
	248-255	Open		
CH4	000-006	Gobo	007-012	Gobo 1
	013-018	Gobo 2	019-025	Gobo 3
	026-031	Gobo 4	032-037	Gobo 5
	038-044	Gobo 6	045-050	Gobo 7
	051-056	Gobo 8	057-063	Gobo 9
	064-070	Gobo Shaking	071-076	Gobo 1 Shaking
	077-082	Gobo 2 Shaking	083-089	Gobo 3 Shaking
	090-095	Gobo 4 Shaking	096-101	Gobo 5 Shaking
	102-108	Gobo 6 Shaking	109-114	Gobo 7 Shaking
	115-120	Gobo 8 Shaking	121-127	Gobo 9 Shaking
	128-189	Gobo change counterclockwise rotation slow to fast		
	190-193	Stop		
	194-255	Gobo change clockwise rotation fast to slow		
CH5	000-255	Choose static color		
CH6	000-255	Dimmer 0 ~ 100%		

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CH7	000-069	No function
	070-079	Fast black out, fast open, when pan move
	080-089	Enable Blackout when pan move
	090-119	Fast black out, fast open, when gobo change
	120-129	Gobo change when stop pan move
	130-199	No function
	200-209	Reset
	210-239	No function
	240-255	Sound active (independent operation)

9CH

CH	Value	Function		
CH1	000-255	X axis position		
CH2	000-255	Y axis position		
CH3	000-255	LED dimmer 0 ~ 100%		
CH4	000-255	LED open (Same as CH3 of 7CH)		
CH5	000-006	Gobo	007-012	Gobo 1
	013-018	Gobo 2	019-025	Gobo 3
	026-031	Gobo 4	032-037	Gobo 5
	038-044	Gobo 6	045-050	Gobo 7
	051-056	Gobo 8	057-063	Gobo 9
	064-070	Gobo Shaking	071-076	Gobo 1 Shaking
	077-082	Gobo 2 Shaking	083-089	Gobo 3 Shaking
	090-095	Gobo 4 Shaking	096-101	Gobo 5 Shaking
	102-108	Gobo 6 Shaking	109-114	Gobo 7 Shaking
	115-120	Gobo 8 Shaking	121-127	Gobo 9 Shaking
	128-189	Gobo change counterclockwise rotation slow to fast		
	190-193	Stop		
	194-255	Gobo change clockwise rotation fast to slow		
CH6	000-255	Red, 0-100%		
CH7	000-255	Green, 0-100%		
CH8	000-255	Blue, 0-100%		

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	000-069	No function
	070-079	Fast black out, fast open, when pan move
	080-089	Enable Blackout when pan move
	090-119	Fast black out, fast open,gobo change when pan move
CH9	120-129	Gobo change when stop pan move
	130-199	No function
	200-209	Reset
	210-239	No function
	240-255	Sound active (independent operation)

4.1. Gobos

Here are shown the 9 gobos + blank of SC-30W-1.

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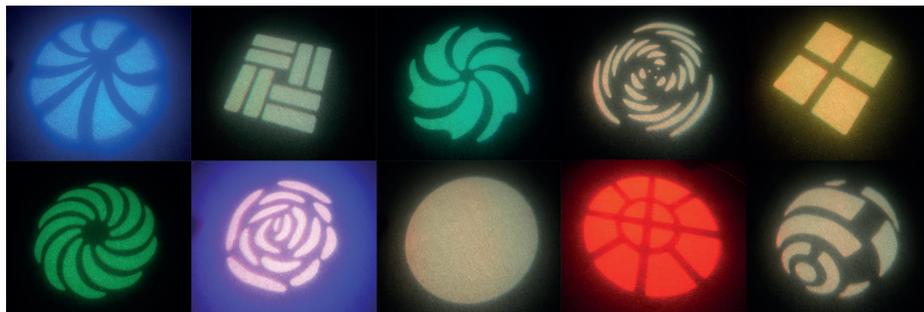
5. WARRANTY AND SERVICE

All SOUNDSATION products feature a limited two-year warranty. This two-year warranty is specific to the date of purchase as shown on your purchase receipt.

The following cases/components are not covered from the above warranty:

- Any accessories supplied with the product
- Improper use
- Fault due to wear and tear
- Any modification of the product effected by the user or a third party

SOUNDSATION shall satisfy the warranty obligations by remedying any material or manufacturing faults free of charge at SOUNDSATION's discretion either by repair or by exchanging individual parts or the entire appliance. Any defective parts removed from a product during the course of a warranty claim shall become the property of SOUNDSATION.

While under warranty period, defective products may be returned to your local SOUNDSATION dealer together with original proof of purchase. To avoid any damages in transit, please use the original packaging if available. Alternatively you can send the product to SOUNDSATION SERVICE CENTER – Via Enzo Ferrari , 10 – 62017 Porto Recanati - Italy . In order to send a product to service center you need an RMA number. Shipping charges have to be covered by the owner of the product.

For further information please visit www.soundsationmusic.com

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6. WARNING

PLEASE READ CAREFULLY – EU and EEA (Norway, Iceland and Liechten-stein) only

This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2202/96/EC) and your national law.

This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equip-ment (WEEE).

Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substanc-es that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources.

For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service.

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