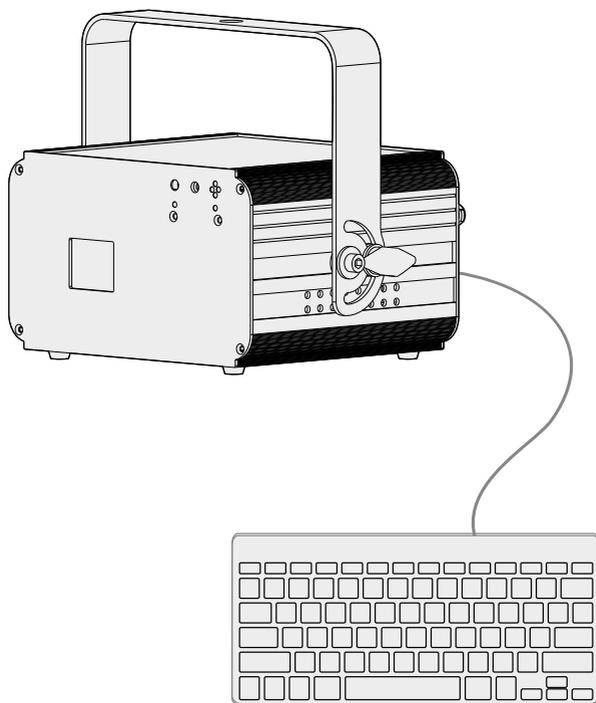




soundSation

OMEGA-330 TEXT

330mW Text Laser System
with RGB Graphic Effects



USER MANUAL

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



Dear customer,

First of all thanks for 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

TABLE OF CONTENTS

1. 1. INTRODUCTION	6
2. OVERVIEW.....	7
3. MAIN FEATURES	7
4. OVERHEAD RIGGING	7
5. MAINS CONNECTIONS	8
6. DMX CONNECTION	9
7. FRONT/REAR PANELS	10
8. MENU OPERATING INSTRUCTION	12
9. REMOTE CONTROLLER.....	15
10. KEYBOARD OPERATION	16
11. DMX Channel Chart	19
12. SPECIFICATIONS	21
13. WARRANTY AND SERVICE	22
14. WARNING.....	22

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.



Laser safety warning labels



To protect the environment, please try to recycle the packing material as much as possible



The projector is for indoor use only, IP20. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other fluids, or metallic objects.



Don't throw this product away just as general trash, please deal with the product follow the abandon electronic product regulation in your country.



Locate the fixture in a well ventilated spot, away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls

LASER SAFETY WARNINGS

According to the EN 60825-1:2007 regulation, this product belongs to Class 3B. Direct eye contact may cause injury.



- ▶ This product is for laser show only. The class 3B laser light should be operated by professional operator only.
- ▶ This is so-called show laser, emitting radiation with a wavelength spectrum between 400 and 700nm and producing lighting effects for shows.
- ▶ International laser safety regulations require that the vertical height from installment to ground is more than 3 meters, horizontal distance is 2.5 meters from audience.
- ▶ Never direct the laser beam to people or animals and never leave this device running unattended.
- ▶ The legal requirements for using laser entertainment products vary from country to country. The user is responsible for the legal requirements at the location/country of use.

 **Warning! Avoid direct eye contact with laser beams during operation, especially when the laser beams stay still, or injury to eyes may occur.**

 **Caution! Laser security measures are designed according to the specific terms of the relevant international laser safety standards and has the following laser safety protection means:**

- **Laser key switch:** laser is available only when the key is turned on.
- **Laser Remote Emergency switch:** remote connecting switch, it will cut off the laser light path emergently once the device in potential hazard.
- **Laser indication :** laser indication on the front panel of the laser light for indicating "laser-ready".
- **Laser safety label:** The labels of according with European standard are stucked on the device body.
- **Laser modulation closed:** When laser scanning pattern is less than ± 1 degree, built-in single chip will close the light after comparison operation.
- **Laser shutter protection:** When laser scanning pattern is less than ± 1 degree, shutter protection will cut off light path.

 **Remark: When the device work with ILDA or DMX program, there has the status of shutter protection, and the pattern is less than ± 1 degree, it's normal protection.**

TAKING CARE OF YOUR PRODUCT

- ▶ Read these instructions
- ▶ Keep these instructions

- ▶ Heed all warning
- ▶ Follow all instructions

WATER / MOISTURE

The apparatus should be protected from moisture and rain and can not be used near water; for example near a bathtub, a kitchen sink, a swimming pool, etc.

CONDENSATION

To avoid condensation to be formed inside, allow this unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condense sometimes prevents the unit from working at full performance or may even cause damages.

HEAT

The apparatus should be located away from heat sources such as radiators, stoves or other appliances that produce heat. Don not use it when maximum ambient temperature is higher than 40°C.

VENTILATION

Do not block areas of ventilation opening. Failure to do could result in fire. Always install according to the manufacturer's instructions.

OBJECT AND LIQUID ENTRY

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

POWER CORD AND PLUG

Protect 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. Unplug the unit when it is not used for a longer time.

POWER SUPPLY

In case of external power supply, the apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user. Unplug this apparatus during lightning storms or when unused for long periods of time.

ELECTRICAL CONNECTION

Always disconnect from the power source before servicing or replacing fuse and be sure to replace with same fuse size and type. Cut off power before moving, repairing

and cleaning the unit. 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.

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).

CLEANING

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

SERVICING

Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only. Only use accessories/attachments or parts recommended by the manufacturer.

I. I. INTRODUCTION

Thank you for purchasing our OMEGA-330 TEXT graphic laser. Enjoy your new equipment and make sure to read this manual carefully before operation!

This user manual is made to provide both an overview of controls, as well as information on how to use them. In order to help you to understand the connections between the various controls, we have gathered in groups according to their functions.

I.I. UNPACKING

Your OMEGA-330 TEXT was carefully packed to ensure safe transport. Despite this, we recommend you to carefully examine the package and its contents for any signs of physical damage, which can occur during transport. It is composed by following parts:

- ▶ Laser light
- ▶ Switch KEYS (2pcs)
- ▶ Power Cord
- ▶ Interlock Connector
- ▶ Keyboard
- ▶ User manual

 **ATTENTION: Packaging bag is not a toy! Keep out of reach of children!!! Keep in a safe place the original packaging material for future use.**

1.2. ACCESSORIES

SOUNDSATION can supply a wide range of quality accessories that you can use with your OMEGA-330 TEXT laser, like Cables, Splitters, DMX controllers, and a wide range of fixtures.

All products in our catalogue has been long tested with this device, so we recommend you to use Genuine SOUNDSATION Accessories and Parts.

Ask your SOUNDSATION dealer or check out our website www.soundsationmusic.com for any accessories you could need to ensure best performance of the product.

2. OVERVIEW

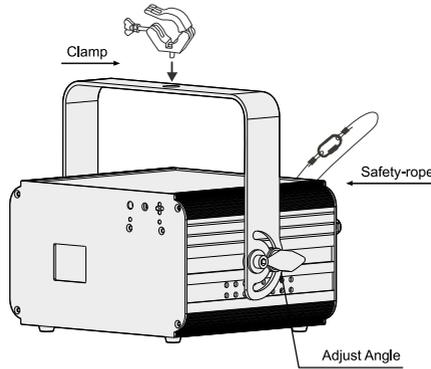
SOUNDSATION OMEGA-330 TEXT is a new professional laser projector based on state-of-the-art technology. It features high-quality LED RGB laser emitters and 10K professional optical scanner, which produces bright laser beams and smooth patterns. LED panel menu, PS/2 QWERTY keyboard, and the handy remote control make this fixture extremely easy to program and convenient to use. Besides the built-in traditional patterns, there's many operation modes that can be edited. It is the right choice for all those musicians, DJs and small rental companies who need a reliable and versatile instrument for graphic and text-based effects.

3. MAIN FEATURES

- ▶ 300mW RGB graphic laser (150mW Red, 80mW Green, 100mW Blue)
- ▶ 10K scanner speed
- ▶ Operation Modes: Auto, Sound, DMX, Master/Slave, Keyboard modes
- ▶ 9 Auto Programs, 9 Sound Programs, 9 Text Programs, 9 Time Mode Programs, Countdown Mode
- ▶ DMX: 20CH mode
- ▶ QWERTY keyboard for quick text typing and unit control
- ▶ IR Remote Controller for quick control
- ▶ LED Display for easy navigation and programming
- ▶ Wired Remote Control Connector for hard-blackout
- ▶ Key switch and safety eye for maximum safety of use and installation

4. OVERHEAD RIGGING

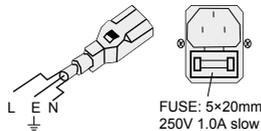
 **WARNING: The installation must be carried out by qualified service personal only. Improper installation can result in serious injuries and /or damage to property. Overhead rigging required extensive experience! Working load limits should be respected, Certified installation materials should be used, the installed device should be inspected regularly for safety.**



- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Locate the fixture in a well ventilated spot, far away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls.
- The device should be installed out of reach of people and outside areas where persons may walk by or be seated.
- Before rigging, make sure that the installation area can hold minimum point load of 10 times the device’s weight. The device should be well fixed; a free swinging mounting is dangerous and may not be considered!
- Do not cover any ventilation opening as this may result in overheating
- Before the first time use, it must be inspected by professional staff to make sure safety, inspection regularly every year.

5. MAINS CONNECTIONS

Connect the device to the mains with the supplied power cable. Please note that power voltage and frequency are the same as the marked voltage and frequency of device when connecting power.



Every device’s power should be connected separately, so that device can be controlled individually. To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described above. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

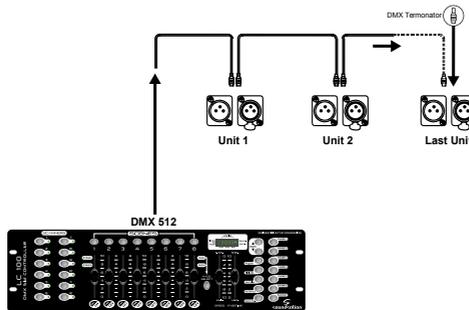
Wire correspondence is as follow:

Cable (EU)	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	⊕

⚠ The earth must to be connected! Pay attention to the safety! Before taking into operation for the first time, the installation has to be approved by an expert.

6. DMX CONNECTION

DMX fixtures are designed to receive data through a serial Daisy Chain. A Daisy Chain connection is where the DATA OUT of one fixture connects to the DATA IN of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the easiest and most direct cabling.



Connect fixtures using shielded 2-conductor twisted pair cable with 3-pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-), and pin 3 is Data positive (S+).

DMX use of 3-Pin XLR Connectors



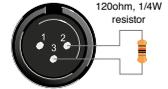
⚠ CAUTION: Wires must not come into contact with each other; otherwise the fixtures will not work at all, or will not work properly.

6.1. DMX Terminator

DMX is a resilient communication protocol, however errors still occasionally occur. In order to prevent electrical noise from disturbing and corrupting the DMX control signals, a good habit is to connect DMX output of last fixture in the chain to a DMX terminator, especially over long signal cable runs.

The DMX terminator is simply an XLR connector with a 120Ω (ohm), 1/4 Watt resistor connected across Signal (-) and Signal (+), respectively, pins 2 and 3, which is then plugged into the output socket on last projector in the chain. The connections are illustrated below.

DMX Terminator

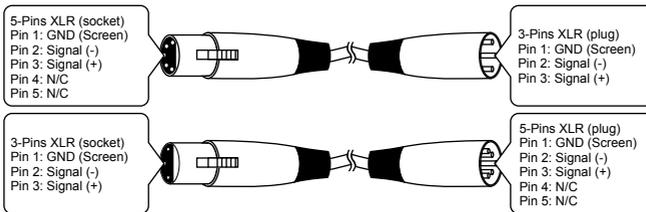


 **Complimentary signal cable can transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures.**

6.2.3-Pin vs 5-Pin DMX cables

DMX connection protocols used by controllers and fixtures manufacturers are not standardized around the world. However, two are the most common standards: 5-Pin XLR and 3-Pin XLR system. If you wish to connect SCENESPLIT 8 RACK to a 5-Pin XLR input fixture, you need to use an adapter-cable or make it by yourself.

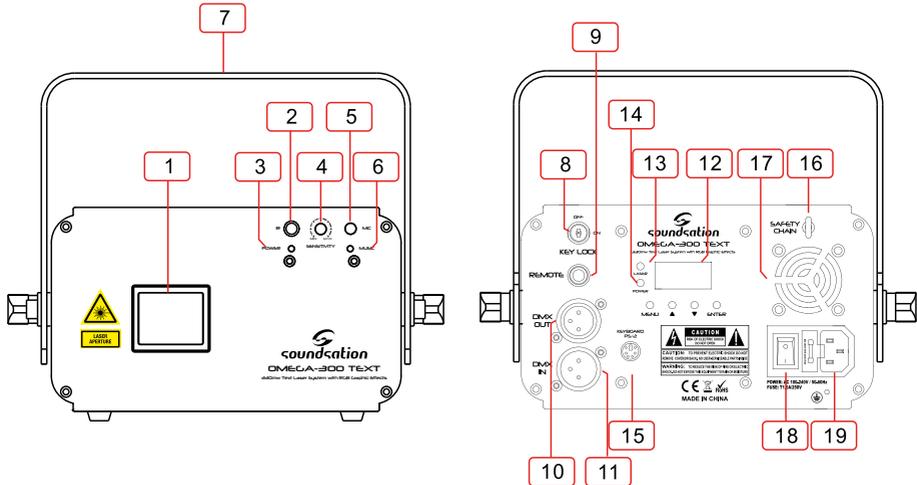
Following the wiring correspondence between 3-Pin and 5-Pin plug and socket standards



7. FRONT/REAR PANELS

- 1. Laser Aperture:** The laser effect output aperture. Never look inside the fixture through this aperture while the fixture is operating.
- 2. Remote:** Infrared remote receiver.
- 3. POWER:** Main power indicating LED. Red is ON.
- 4. Sensitivity:** Turn the knob to adjust sound activated sensitivity.

5. **MIC:** Receiving sound signal.
6. **Music LED:** Indicated light of music signal when detected.
7. **Handle:** Used for hanging the light.



8. **Key switch:** Make sure the professional person use.
9. **Urgent and safe switch:** Switch off the laser manually if error occurs
10. **DMX output:** 3PIN Female XLR port, using for DMX
11. **DMX input:** 3PIN Male XLR port, using for DMX
12. **LED display:** For setting mode
13. **Laser Indicator:** Indicated light of laser. Red is on.
14. **Power Indicator:** Indicated light of power. White is on.
15. **PS/2 interface:** Connecting PS/2 keyboard, or PS/2 USB keyboard of adapter
16. **Safety Eye:** Used to attach a safety cable when the fixture is rigged. Check more details in Rigging
17. **Cooling fan:** Cooling and never cover this fan outlet
18. **Power Switch:** Power ON/OFF.
19. **Power input:** Power input socket, built- in protective tube and spare tube

8. MENU OPERATING INSTRUCTION

When laser is powered on, LED display on rear panel shows the current operating standalone mode or DMX address of DMX mode. With help of LED control panel, is very easy to set and change the operating mode of laser. After every resetting and saving, the new mode information will be shown on the LED display at next power on.



Mode Option, to choose the operating mode of laser or return to previous menu.



Confirmation, to confirm the laser to show the present mode at the next operation or go into the selected menu.



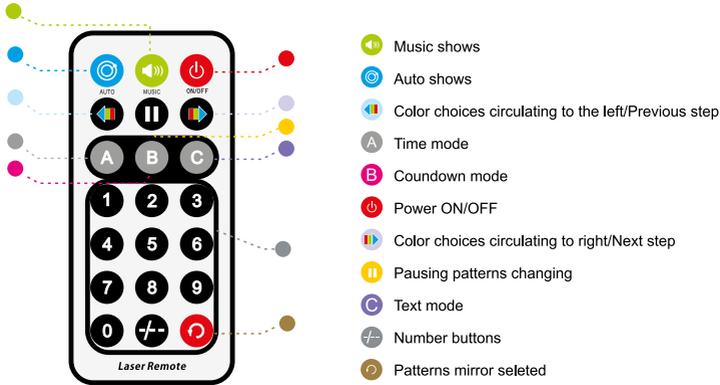
UP/DOWN, to change operating mode, parameter or DMX address.

LED Display		Functional Description
R _u t	R _u t 1	Auto Mode 1
	R _u t 2	Auto Mode 2
	R _u t 3 ~ R _u t 9	Built-in holiday programs: 3. New Year, 4. Christmas, 5. Love, 6. Birthday, 7. Party, 8. Halloween, 9. Music
S _o u	S _o u 1	Sound Mode1
	S _o u 2	Sound Mode 2
	S _o u 3 ~ S _o u 9	Built-in holiday programs: 3. New Year, 4. Christmas, 5. Love, 6. Birthday, 7. Party, 8. Halloween, 9. Music
t _H t	t _H t	Loop playback of built-in TEX0-9.
	t-00 ~ t-09	Text program saved in 0-9.
t, n	t, nE	Time Mode.
	S _n od	Time display mode: Time & Date or Only Time.
	S _E t	Time setting: Year / Month / Date / Week / Hour / Min / Second / 12 or 24h
c _u t	c _o u	Countdown Mode.
	0000 ~ 9999	Setting countdown time. ENTER to confirm. UP to start, DOWN to stop.
d _H H	d ₀ 01	Signal reception menu. When DMX is not connected, LED letters will twinkle
	00 1 ~ 492	Channel addresses setting.
S _L R	S _L R _U	Slave Mode.
S _Y S	n, r _r	Mirror setting: N-PP / PN / NP / NN
	S, r _E	Image size setting: SH01 - SH16; SY01 - SY16
	n-E _n	Master Mode.
	r _r E _n	IR Mode.
	r _S E _t	Restore the factory initial setup.

8.1. Initial Setting

MENU	UP DOWN	ENTER	UP DOWN	ENTER
Auto/ Sound Programs	Auto1-Auto9 Sound1- Sound9	To choose program effect through UP/DOWN, ENTER to confirm		
Text Editing Mode	TEXT	Loop playback of saved TEX0-9		
	TEXT0-TEXT9	Text program 0-9, ENTER to play		
Time Mode	Smod (SHOW MODE)	To choose time display mode	d-dt (DATE & TIME)	Time & Date Mode
	SETT (SETTING)	Time Setting Mode	d--t (ONLY TIME)	Only Time Mode
Count-down Mode	COUN	ENTER into Count-down Mode	year: **** hour: h-** month: n ** minute: N-** date: d** second: S-** 12/24h	ENTER to confirm and back to previous step
			0000-9999	ENTER to confirm. UP to start, DOWN to stop.
DMX Mode	d001	To check DMX signal. When DMX is not connected, LED letters will twinkle	TEX0- TEX9 (LINK TO 0-9)	Directly link to TEX0-9 after countdown
DMX Mode			001-492	Setting DMX value
SLAVE Mode	slav	ENTER into Slave Mode, When there is no signal, LED letters will twinkle		
System setting	MIRR (SET MIRROR)	Setting pattern direction	N-PP / PN / NP / NN	ENTER to confirm and back to previous step
	Zoom (SET SIZE)	Setting pattern size	SH01-SH16 SY01-SY16	
	N-En	Master Mode	ON/OFF	
	Irem (SET REMOTE)	IR Mode	ON/OFF	
	REST	ENTER to restore the factory initial setup		

9. REMOTE CONTROLLER



- Music shows
- Auto shows
- Color choices circulating to the left/Previous step
- Time mode
- Countdown mode
- Power ON/OFF
- Color choices circulating to right/Next step
- Pausing patterns changing
- Text mode
- Number buttons
- Patterns mirror selected

BUTTON	FUNCTION	DESCRIPTION
	ON/OFF	Power ON/OFF and black out. When it is pressed, enable laser light output, press again to blackout the laser, and circle as it.
	Auto	Press AUTO to enter Auto mode, it will play Auto show randomly. Press to change different programs.
	Sound	<ul style="list-style-type: none"> • Press MUSIC to enter Sound mode, it will play Auto show randomly. Press to change different programs. • Press MUSIC for 2 seconds to enter into sound sensitivity adjustment. Then choose N. 1-9: 9 is the most sensitive; 1 is the slowest.
	Pause	When press, program and color change will be paused. Press again to continue playing. Between the choice of 12R and 24R, press to choose 12R, press again to choose 24R
	Left	Color choices circulating to the Left / Previous step
	Right	Color choices circulating to Right / Next step
	Time mode	Press A to enter into time mode. Press A again, circle play among YEAR, MONTH, DAY, WEEK, TIME Press A for 2 seconds, enter into time adjust mode. The adjusted number flicker, press numeric key to choose the right value, press color choice key 0/o to choose last or next, then press A to save.
	Countdown mode	Press B, enter into countdown mode. Press B for 2 seconds, adjust the value by 1-9, press B to count down, press 4D t o stop.
	Pattern rotation	Press C enter text model, then by choose (i)--0 to save text.
	Numeric key	Single number and double number setting.
	Mirror function	Every press, pattern changes in 4 kinds of mirror direction, after getting the right pattern direction, stop press.

10. KEYBOARD OPERATION

Press WINDOWS  button on the keyboard to enter menu option. Laser will show corresponding menu

BUTTON	FUNCTION	DESCRIPTION
	Menu option	Laser will show corresponding menu, press UP/DOWN to change below mode. Then save by pressing ENTER. 1 - AUTO 2 - MUSIC 3 - TEXT 4 - CLOCK 5 - COUNT DOWN 6 - DMX 7 - SLAVE 8 - SYSTEM

10.1. Keyboard operation instruction of AUTO mode

Press WINDOWS  button to enter menu. OMEGA-330 TEXT will show corresponding menu. Press UP/DOWN  to choose 1 (AUTO). Press ENTER  to run AUTO mode.

Keyboard Operation	Old	New	Pattern	Instruction
AUTO				In Auto Mode, press UP/DOWN to choose auto shows.
	TAB	MIRROR		Display repeat setting, from saved text.
	F2	COLOR	RGB	Choose last edited text, if one key without text, it will not display.
	PAUSE			Press to stop, press again to continue.

10.2. Keyboard operation instruction in MUSIC mode

Press WINDOWS  button to enter menu. The unit will show corresponding menu. Press UP/DOWN  to choose 2 (MUSIC). Press ENTER  to run MUSIC mode.

Keyboard Operation	Old	New	Pattern	Instruction
SOUND				In Sound Mode, press UP/DOWN to choose sound shows.
	TAB	MIRROR		Mirror, pattern cycle change at 4 kinds mirror direction, when arrive favor pattern, press stop key.
	F2	COLOR	RGB	Choose last edited text, if one key without text, it will not display.
	PAUSE			Press to stop, press again to continue.

10.3. Keyboard operation instruction in TEXT mode

Press WINDOWS  button to enter menu. The OMEGA-330 TEXT will show corresponding menu. Press UP/DOWN  to choose 3 (TEXT). Press ENTER  to run TEXT mode.

Keyboard Operation	Old	New	Pattern	Instruction
TEXT EDIT	F1	Flow		Text flow setting, FLOW/STOP, press UP/DOWN to set flow speed.
	F2	Color	RGB	Color setting, to choose different color.
	F3	Draw		Draw setting, press UP/DOWN to set speed.
	F4	Zoom		Zoom setting, zoom in /zoom out/in and out, press UP/DOWN to set speed.
	F5	X Mode		X axis move right or left, STOP / MOVE AHEAD / MOVE OPPOSITE. Press UP/DOWN to set speed.
	F6	Y Mode		Y axis move Up or Down, STOP / MOVE AHEAD / MOVE OPPOSITE. Press UP/DOWN to set speed.
	F7	Y Roll		Y axis roll, STOP / ROTATION / REVERSE, press UP/DOWN to set speed.
	F8	X Roll		X axis roll, STOP / ROTATION / REVERSE, press UP/DOWN to set speed.
	F9	Z Roll		Z axis roll, STOP / ROTATION / REVERSE, press UP/DOWN to set speed.
	F10	Wave		Wave effect. Wave Range / Wave Quantity / Wave Frequency. Press UP/DOWN to set speed.
	F11	Text Only		Display character quantity, 12. 10. 8. 6. 4
	F12	Play Time		Setting display time. Follow the cue to set by Number keys.
	TAB	Mirror		Mirror pattern. Pattern cyclic change at 4 kinds of mirror pattern direction.
	DEL			Clears cache area
	BACK SPACE			Deletes one character
HOME			Text head	
END			Text End	
			Goes ahead/back	
Ctrl + Alt + Del			Deletes all text and task on every Number key.	

Keyboard Operation	Old	New	Pattern	Instruction
TEXT SAVING	CTRL + NO.	SAVE + NO.		Save text and text parameter. No. KEY means that contents are saved on it.

Keyboard Operation	Old	New	Pattern	Instruction
TEXT DISPLAY	ALT + NO.	Play + No.		Save text and text parameter, No. KEY means content saved on it.
	INS	Loop Play-back		Display repeat setting, from the saved text.
	Pg Up			Choose last edited text, if one key without text, it will not display.
	Pg Dn			Choose next edited text, if one key without text, it will not display
	Pause			Display paused

10.4. Keyboard operation instruction of CLOCK

Press WINDOWS  button to enter menu. The unit will show corresponding menu.

Press UP/DOWN  to choose 4 (CLOCK). Press ENTER  to run CLOCK mode.

Keyboard Operation	Old	New	Pattern	Instruction
CLOCK SETTING	ENTER			Enters CLOCK mode
	SHOW MODE		DATE & TIME	Time & Date Mode
			ONLY TIME	Only Time Mode
	SETTING			Time Setting
	**** YY			Press UP/DOWN choose setting value, or press 0-9 to set. ENTER to confirm.
	*** M D *** TIME			
	12/24R			Press UP/DOWN to choose 12R Mode or 24R Mode.
	PRESS ENTER			Save setting, back to time setting mode.
	ESC			Give up save, withdrawn from time setting mode. To clock time mode.
TAB	MIRROR		Mirror, pattern cycle change at 4 kinds mirror direction, when arrive to chosen pattern, press stop key.	
F2	COLOR	RGB	Choose different color effect.	

10.5. Keyboard operation instruction of COUNTDOWN

Press WINDOWS  button to enter menu. The unit will show corresponding menu.

Press UP/DOWN  to choose 5 (COUNTDOWN). Press ENTER  to run COUNT-DOWN mode.

COUNT-DOWN SETTING	ENTER			Enters countdown mode. NO. is flicker, press 0-9 to set countdown second. 4 number countdown time is maximum, press ENTER to confirm.
	BACKSPACE			Delete previous character.
	SPACE KEY			Press SPACE KEY or PAUSE, timing and timing pause switch.
	PAUSE			
	ESC			Timing again
	TAB	MIRROR		Mirror, pattern cycle change at 4 kinds mirror direction, when arrive to chosen pattern, press stop key.
	F2	COLOR	RGB	Choose different color effect.

II. DMX Channel Chart

Channel	Value	Description
CH1 MODE CHOICE	000-009	Blackout
	010-079	Auto Mode
	080-149	Sound Mode
	150-200	The first pattern
	200-255	The second pattern

AUTO MODE

Channel	Value	Description
CH2	000-029	AUTO1
	030-059	AUTO2
	060-089	AUTO3
	090-119	AUTO4
	120-149	AUTO5
	150-179	AUTO6
	180-209	AUTO7
	210-239	AUTO8
	240-255	AUTO9

MUSIC MODE

Channel	Value	Description
CH2	000-029	MUSIC1
	030-059	MUSIC2
	060-089	MUSIC3
	090-119	MUSIC4
	120-149	MUSIC5
	150-179	MUSIC5
	180-209	MUSIC?
	210-239	MUSIC5
	240-255	MUSIC9

PATTER GROUPS

Channel	Value	Description
CH2	000-031	First pattern group
	032-063	Second pattern group
	064-095	Third pattern group
	096-127	Fourth pattern group
	128-159	Fifth pattern group
	160-191	Sixth pattern group
	192-223	Seventh pattern group
	224-255	Eighth pattern group

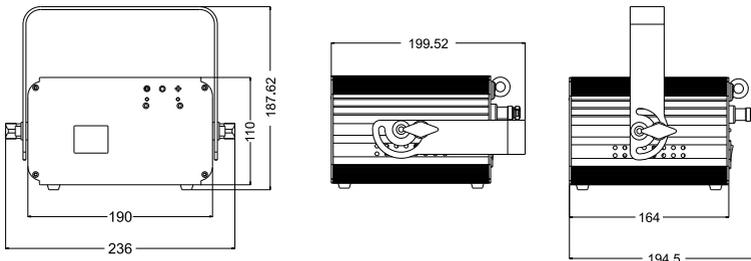
Channel	Value	Description
CH3 Pattern	000-255	Every 16 values for a pattern, total for 128 patterns
CH4 COLOR	000-007	Built-in colors
	008-015	R
	016-023	G
	024-031	R+G
	032-039	B
	040-047	R+B
	048-057	G+B
	058-063	R+G+B
	064-111	Single color conversion
	112-159	Multi-color moving up and down
	160-207	Multi-color moving left to right
	208-255	Strobe
CH 5 Clipping	000	Whole pattern
	001-127	0%-99% clipping fixed pattern
	128-255	Clipping speed (slow to fast)
CH6 Zoom	000-127	100%-5% pattern zooming
	128-169	Zoom in
	170-209	Zoom out
	210-255	Loop zooming in/out
CH7 Zoom Speed	000-255	Fast to slow
CH8 Y Rotation	000-127	Fixed position after rotating 0-359'
	128-191	Clockwise rotation
	192-255	Anticlockwise rotation
CH9 Rotation Speed	000-255	Fast to slow
CH10 X Rotation	000-127	Fixed position after rotating 0-359'
	128-191	Clockwise rotation
	192-255	Anticlockwise rotation
CH 11 Rotation Speed	000-255	Fast to slow
CH12 Z Rotation	000-127	Fixed position after rotating 0-359'
	128-191	Clockwise rotation
	192-255	Anticlockwise rotation
CH13 Rotation Speed	000-255	Fast to slow



CH14 X Movement	000-127	128 different fixed position on X axis	
	128-191	Clockwise rotation	
	192-255	Anticlockwise rotation	
CH15 Movement Speed	000-255	Fast to slow	
CH16 Y Movement	000-127	128 different fixed position on X axis	
	128-191	Clockwise rotation	
	192-255	Anticlockwise rotation	
CH17 Movement Speed	000-255	Fast to slow	
CH18 Wave Size	000-255	Wave Size	
CH19 Wave Frequency	000-255	Wave Frequency	
CH20 Wave Speed	000-127	Wave Position	
	128-255	Movement Speed	

12. SPECIFICATIONS

General	Professional RGB Graphic Laser
Laser Class	Class-3B
Red Laser	LD 650nm, 150mw
Green Laser	DPSS 532nm, 80mw
Blue Laser	LD 450nm, 100mw
Laser level	Class 3B Laser
Scanner Speed	10K
Auto Shows	9
Sound Shows	9
DMX Channel Range	1-20
Mains	100-240V - 50/60Hz
Fuse	250V 1.6 A Slow Blow
Consumption	15W
Fixture Size (WxHxD)	236 x 188 x 194.5 mm
Fixture Weight	2.0 kg
Carton Size (WxHxD)	316 x 190 x 276 mm
Carton Weight	2.3 kg



13. 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

14. WARNING

PLEASE READ CAREFULLY – EU and EEA (Norway, Iceland and Liechtenstein) 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 equipment (WEEE).

Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances 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.



This product is imported in EU by
Questo prodotto viene importato nella UE da
FRENEXPORT SPA – Via Enzo Ferrari, 10 - 62017 Porto Recanati - Italy

WWW.SOUNDSATIONMUSIC.COM

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