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.

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DESIGNED IN ITALY BY SOUNDSATION®

MADE IN CHINA

soundsation

LIGHTBLASTER 616 LED

USER MANUAL

PRO-LIGHTING

Dear customer，

 first of all, thanks for purchasing a **SOUNDSATION®** product. Our mission is to satisfy all the possible needs of musical instrument and professional audio users offering a wide range of products using the latest technologies for a reasonable price.

 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 for 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

WARRANTY & 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

Specification

LED source specification

Led source: 616*0.5W (warm white 3200K/pure white 6500K/cool whie 7500K)

Beam Angle：110°

Control specification

Strobe: 0~30Hz

Dimmer : 1 standard +4 kinds of dimmer methods

Channel：9/7/2CH（switchable）

Control Mode：DMX512/Manual/Master-Slave/Sound active

Cooling way: 1pcs temperature detect fan

Over heat protection:

When temperature up to 80°C, power consumption reduce to 50%; when temp.

down to 65°C,will recover full power consumption to be 100% .

Noise:

Fan speed automatically adjust according machine temperature. The maximum

noise is 43.3dB(1m distance)

Working Specification

Voltage：AC110V-240V

Frequency：50/60Hz

Machine Power：300W

Machine Specification

Display:LED Display

DMX: 3 pin or 5 pin

4 barn-door: movable

IP: IP20

Net weight:4.5kg

Size:43*22*8.4 cm

GENERAL WARNINGS

To prevent possible damages   read the following list of actions:

- Do not place the product in wet or dirty environments.

- Do not remove the protective coverings.

-Do not cover any of the productss ventilation holes.

- Air must circulate freely around the product.

- Do not set the product on a surface with excessive vibration.

- Do not expose the product to high electro-magnetic interference.

- Do not expose the product to heat, cold, wet in improper way in respect to its IP grade

- Do not leave the product in direct sunlight.

- Do not expose the product to electrostatic forces.

- Do not place items with flames, such as candles or lighters, on the product.

- Do not place the product on anything containing water or other fluids.

If any foreign objects enter the instrument, please contact your dealer or an authorized **SOUNDSATION** center.

The **serial number**, electrical features and international standards are printed on a label located in the   bottom of the instrument.

In case of problems remember to give the serial number to the responsible of the technical assistance.

Contents

Section 1.Getting Started

✧ Unpacking

✧ Safety Instruction

Section 2. Set Up

✧ Installation

✧ Controlling Board

✧ Machine Connection
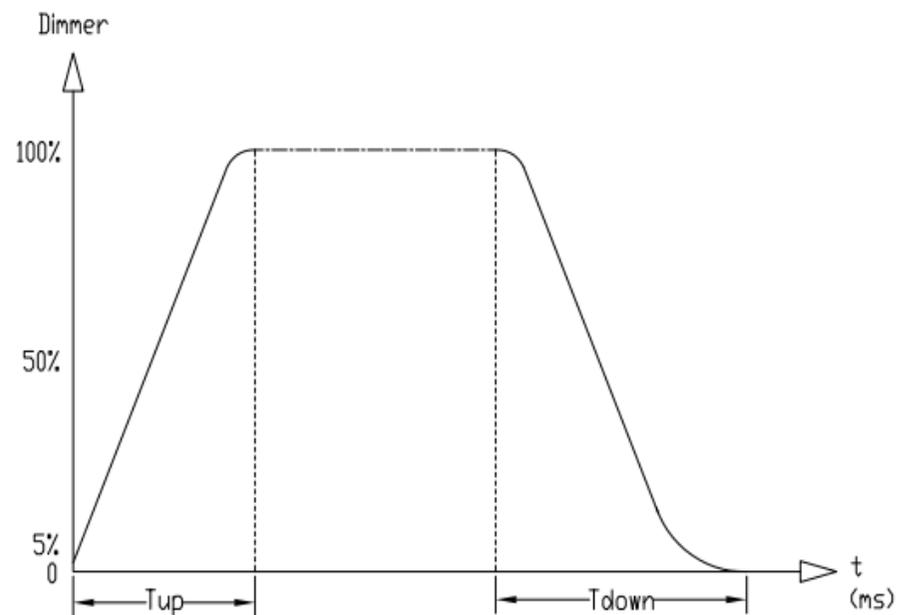
Section 3. troubleshooting

✧ Troubleshooting

Section 4. Reference

✧ Control Menu

✧ DMX Protocol

✧ Dimmer Curve

✧ Specification

Section 1.Getting Started

✧ Unpacking

✧ Safety Instruction

Dimmer Curves：

Ramp Effect	Menu	Tup(ms)	Tdown(ms)
Standard Dimmer Curve	dr-0	0	0
Dimmer Curve 1	dr-1	980	1010
Dimmer Curve 2	dr-2	1210	1320
Dimmer Curve 3	dr-3	1600	1710
Dimmer Curve 4	dr-4	1850	1980

7CH：

CH	Function	Specification
CH1	DIMMER	0-255：dimmer linear adjustment，from dark to bright。
CH2	W1dimmer	0-255：W1 linear adjustment，from dark to bright
CH3	W2dimmer	0-255：W2 linear adjustment，from dark to bright
CH4	W3dimmer	0-255：W3 linear adjustment，from dark to bright
CH5	W4dimmer	0-255：W4 linear adjustment，from dark to bright
CH6	Strobe	0-5：no use 6-55：random strobe 56-105：pulse strobe 106-155：average strobe 156-205：thunder strobe 206-255：standard strobe
CH7	Dimmer mode/Macro function	0-20：standard dimmer；21-40 dimmer curve 1;41-60： dimmer curve 2;61-80： dimmer curve 3;81-100: dimmer curve 4；101-149:no use ;150-155(stay 3 sec):half power when high temperature function OFF;106-199: no use;200-205(stay 3 sec):half power when high temperature function ON; 206-255 no use

2CH：

CH	Function	Specification
CH1	W dimmer	0-255：white linear adjustment，from dark to bright
CH2	Strobe	0-5：no use 6-55：random strobe 56-105：pulse strobe 106-155：average strobe 156-205：thunder strobe 206-255：standard strobe

Unpacking

1pc Fixture

1pc User Manual

Thanks for choosing our LED strobe serial products. Carefully unpack the box and check the contents to ensure that all parts are present and in good conditions. If anything damaged in transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If a fixture must be returned to manufacturer, it is important that the fixture be returned in the original manufacturer box and packing.

Safety

⚠ **For your safe, please read this user manual carefully before turn on the fixture. This machine should be operated by qualified engineer !**

Instruction

Please conserve this manual as operation guidance. If you sell this product to other user, please make sure that they also receive this user manual.

- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- If the fixture 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.
- The unit must be installed in a location with adequate ventilation, at least 5 m away from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Some fixture may carry high heat, do not aim at objective more than 2 minutes.
- Safe rope should be used to install machine. Bearing of safe rope should be more than 3 times of the machine weight. Complimentary signal cable transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures. And a terminal should be added at the end of last fixtures' DMX sockets, 120 Ohm, 1/4W resistance need welding between Pin 2 and Pin 3.

- 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.
- To avoid electric shock, all fixtures must be connected to circuits with a suitable earth connection.
- Always secure fixture using a safety chain and carrying handles.
- Do not operate at ambient temperatures higher than 104℉(40℃).
- The power cable for this fixture is 1 ㎡， please mind the safety requirements in actual using, if any wrong operation, our company takes no responsibility for any loss. Also, make sure the power cord is never crimped or damaged.
- In case of failure or mis-function occurred, stop using immediately. Never try to repair the fixture 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.
- Avoid direct eye exposure to the light source while it is on.
- Do not power on and power off the fixture frequently
- When use DMX controller, please make sure that there is no interference sources(e.g. intercom, high frequency radio waves and radiation source)

Caution! There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your local distribution or after-sale service center.

Section 2. Set Up

✧ Installation

✧ Controlling Board

✧ Machine connection

Installation

- This machine should be mounted through the screw holes of truss. Safety rope is a must to fix fixture well. Make sure truss and safety rope have strong load capacity to bear more than 3 times of machine weight .
- This machine should be installed by qualified technician.

DMX protocol

9CH：

CH	Function	Specification
CH1	DIMMER	0-255：dimmer linear adjustment，from dark to bright。
CH2	W1dimmer	0-255：W1 linear adjustment，from dark to bright
CH3	W2dimmer	0-255：W2 linear adjustment，from dark to bright
CH4	W3dimmer	0-255：W3 linear adjustment，from dark to bright
CH5	W4dimmer	0-255：W4 linear adjustment，from dark to bright
CH6	Strobe	0-5：no use 6-55：random strobe 56-105：pulse strobe 106-155：average strobe 156-205：thunder strobe 206-255：standard strobe
CH7	Auto/voice-control	0-10：no use ；11-40：fade 1；41-70：fade 2；71-100：fade 3；101-130：pulse change 1；131-160：pulse change 2；161-190：pulse change 2；191-220：strobe by voice control；221-255：pulse change by voice control.
CH8	Auto speed	0-255：adjustment of speed of Auto and voice-control, from slow to fast。
CH9	Dimmer mode/Macro function	0-20：standard dimmer；21-40 dimmer curve 1;41-60： dimmer curve 2;61-80： dimmer curve 3;81-100: dimmer curve 4；101-149:no use ;150-155(stay 3 sec):half power when high temperature function OFF;106-199: no use;200-205(stay 3 sec):half power when high temperature function ON; 206-255 no use

Section 4. Reference

✧ Control Menu

✧ DMX Protocol

✧ Dimmer Curve

✧ Specification

Control Menu

No.	Menu	Function
1	D9--	DMX 9 channel control(need connecting controller)
2	D.7--	DMX 7 channel control(need connecting controller)
3	A2--	DMX 2 channel control(need connecting controller)
4	n---	n000 to n255：white from dark to bright
5	F---	F000 to F255：strobe，from slow to fast
6	C---	C000 to C255：fade，from slow to fast。
7	J---	J000 to J255：pulse change，from slow to fast
8	S---	S000 to S255：voice-control speed，from slow to fast
9	T---	half power when high temperature function ON，half power when high temperature function OFF.（non business of fan）；When temperature up to 80°C, power consumption reduce to 50%; when temp. down to 65°C,will recover full power consumption to be 100% .
10	dr--	dr-0：standard dimmer；dr-1：dimmer curve 1；dr-2：dimmer curve2；dr-3：dimmer curve 3；dr-4：dimmer curve 4；

Controlling Board

MENU   UP   DOWN   ENTER

Front display panel

1. LED Display Panel
2. Buttons

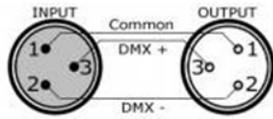| Menu	Switch menu function
UP	Scroll upwards
DOWN	Scroll downwards
ENTER	Confirm by pressing ENTER

3. DMX Signal Input
   3 PIN XRL port for DMX512 signal input (daisy chain);
4. DMX signal output
   3 PIN XRL Port for DMX512 signal output (daisy chain);
5. Power Input
   AC power cable port input
6. Fuse
7. On/Off Switch

Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end.

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.

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.

Master and slave: select one machine as master, press the menu to choose the function you want. Press other machines' address to be DMX state. Use signal cable to connect machines one by one. Then slave machines will run the same as master machine.

Use controller to control lot of machines: if all machines are set the same menu data, or different manual data, after use signal cable to connect to controller, all machines will be controlled by controller. (before connect to controller, all machines should be in the same channel mode 9 CH,7 CH or 2 CH).

Section 3. Troubleshooting

Problem	Probable Cause(s)	Remedy
No response from fixture when power is applies	No power to fixture	Check power cables
	Primary fuse blown	Replace fuse
	Secondary fuse blown	Replace fuse
Fixture resets but does not respond correctly to controller(DMX mode operation)	Controller not connected	Connect controller
	Incorrect addressing of the fixtures	Check address setting on fixture and controller
	Bad data link connection	Inspect cables and correct poor connections and/or broken cables.
	Conflict between tracking and vector control	Eliminate scene cross-fade on controller
	Data link not terminated	Insert termination plug in output of last fixture
	Defective fixture or 2 devices transmitting on link	Bypass fixtures one at a time until normal operation is regained: unplug both connectors and connect them directly together
Colors cannot be mixed	Random color mixing is on	Turn off random color mixing
Fixture does not reset correctly	Electronic or mechanical failure	Contact service technician
No light, lamp cuts out intermittently, or burns out too quickly	Lamp missing or blown	Disconnect fixture and replace lamp
	Fixture or lamp is too hot	Allow fixture to cool. If problem persists, contact service technician