

ZEUS

HI-EFFICIENCY POWER AMP



USER MANUAL





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.

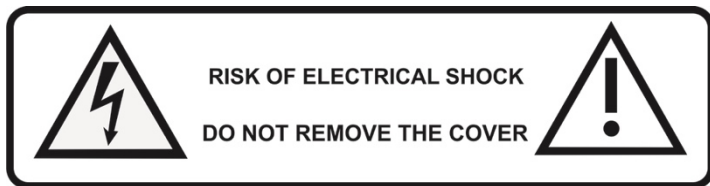
We hope you will be satisfied with this item and, if you want to collaborate, we are looking for a feedback from you about the operation of the product and for possible improvements to introduce in the next future. Go to our website www.soundsationmusic.com and send an e-mail with your opinion, this 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



SAFETY INSTRUCTION



No user-serviceable parts inside!

CAUTION

TO PREVENT THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

TO PREVENT POSSIBLE DAMAGES READ THE FOLLOWING LIST OF ACTIONS:

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use this apparatus near water.

Do not place the instrument in wet or dirty environments.

Do not remove the protective coverings.

Do not cover any of the instrument's ventilation holes.

Air must circulate freely around the instrument.

Do not set the instrument on a surface with excessive vibration.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong are provided for your safety. If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete

Do not expose the instrument to electro-magnetic interference.

Do not expose the instrument to heat, cold, wet or dust.

Do not leave the instrument in direct sunlight.

Do not expose the instrument to electrostatic forces.

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

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

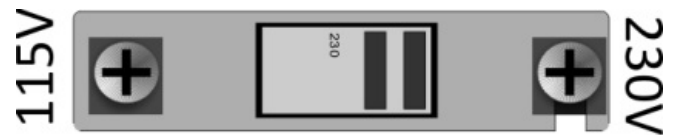
Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



Use Caution when you move
the unit with his stand/tripod!



Some products can feature a dual or multiple voltage transformers. If your country standards doesn't match with the one pre-settled on your unit please contact our authorized dealer/technical assistance for conversion.



You need assistance from qualified technician in the following cases:

- If the power cord is damaged (i.e., cut or a bare wire is exposed), ask your dealer for a replacement. Using the unit with a damaged power cord is a fire and electrical shock hazard.
 - Should this unit be dropped or the cabinet be damaged, turn the power switch off, remove the power plug from the AC outlet, and contact your dealer. If you continue using the unit without heeding this instruction, fire or electrical shock may result.
 - If you notice any abnormality, such as smoke, odor, or noise,
 - a foreign object or liquid gets inside the unit, turn it off immediately.
- Remove the power cord from the AC outlet. Consult your dealer for repair. Using the unit in this condition is a fire and electrical shock hazard.

UK IMPORTANT NOTICE

WARNING: THIS APPARATUS MUST BE EARTHED
IMPORTANT. The wires in this mains lead are colored in accordance with the following code:

GREEN-AND-YELLOW : EARTH
BLUE : NEUTRAL
BROWN : LIVE



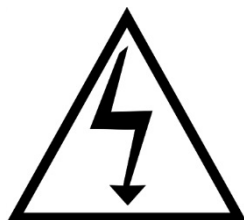
As the colors of the wires in the mains lead of this apparatus may not correspond with the colored markings identifying the terminals in your plug proceed as follows:

The wire which is colored GREEN-and-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol or colored GREEN or GREEN-and-YELLOW. The wire which is colored BLUE must be connected to the terminal which is marked with the letter N or colored BLACK.

The wire which is colored BROWN must be connected to the terminal which is marked with the letter L or colored RED.



Unplug this apparatus during lightning storms or when unused for long periods of time.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



UNBOXING

When you'll open the box you will find the following items:

- 1 Power Amplifier (D300, D900, D1800 or D3600)
- 1 Power Cord
- User Manual

The packaging bag is not a toy! Keep out of reach of children!!!

Keep in a safe place the original packaging material for future use.

ACCESSORIES

SOUNDSATION can supply a wide range of quality accessories that you can use with the ZEUS D amplifiers like Cables, Microphones, Stands, Headphones etc.

All the products from our catalogue has been long tested with this device so we recommend to use Genuine SOUNDSATION Accessories and Spare Parts.

Ask your SOUNDSATION dealer for any accessories you could need to ensure best performance of the product.

Attention: Only use the power cord supplied with the product! The ZEUS D series requires more current than a standard product so using a normal Power cord can cause damages to the unit and to the user!



OPERATION

D300 – D900

FRONT AND REAR PANELS



1 – POWER ON : Toggle to switch on/off the power

2 – CH A VOLUME: Rotate the knob to increase/decrease the volume of Channel A

3 – LED Indicators:

SIGNAL: It lights up when a signal arrives on the input of the related Channel

CLIP: It lights up when the signal on the input is too high and so can cause a distortion

POWER: It indicates that the unit is powered up.

4 – CH B VOLUME: Rotate the knob to increase/decrease the volume of Channel B

5 – GROUND – It helps to fix hum or noise problems due to ground problems.

6 – MODE – It switches from STEREO to BRIDGE configuration

7 – INPUTS – Each Channel is equipped with a balanced XLR connector as well as a balanced TRS Jack input.

8 – OUTPUTS – These are the connection for the passive speakers (Speakon and 5-way binding post standard)

9 – AC INPUT – This is the power supply connector. The unit accept 115V or 230V 50/60Hz.

If you receive a unit not set with your country voltage standard contact your dealer immediately!



D1800 – D3600

FRONT AND REAR PANELS



1 – POWER ON : Toggle to switch on/off the power

2 – LED Indicators:

STANDBY: It lights up when the AC mains is connected. Once you switch on the unit it will become

ERR: This LED indicates that something wrong is happening like a thermal protection, a broken components etc.

MUTE:

3 – CH A VOLUME: Rotate the knob to increase/decrease the volume of Channel A

4 – CH B VOLUME: Rotate the knob to increase/decrease the volume of Channel B

5 – SIGNAL LED indicators:

SIG: It lights up when a signal arrives on the input of the related Channel

CLIP: It lights up when the signal on the input is too high and so can cause a distortion

6 – MODE – It switches from STEREO to BRIDGE configuration

7 – INPUTS – Each Channel is equipped with a balanced XLR Female connector

8 – LINKS – These are just a copy of the inputs (useful to send the same signal to another unit)

9 – OUTPUTS – These are the connection for the passive speakers (Speakon)

10 – AC INPUT – This is the power supply connector. The unit accepts from 90V to 260V 50/60Hz.

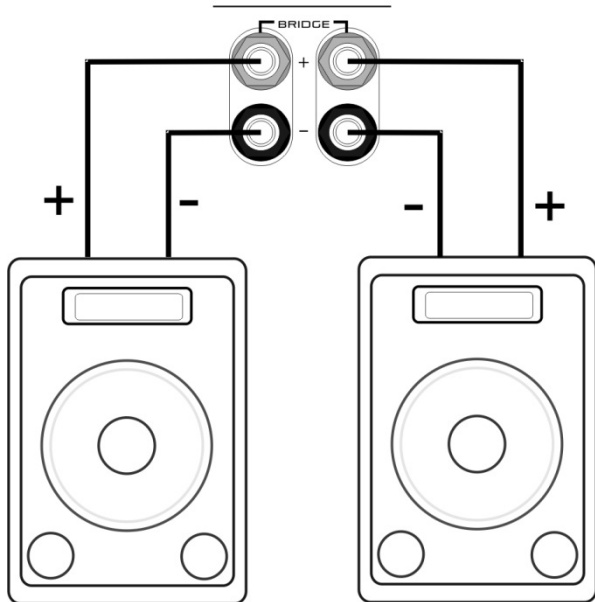
If you receive a unit not set with your country voltage standard contact your dealer immediately!



SPEAKER CONNECTION

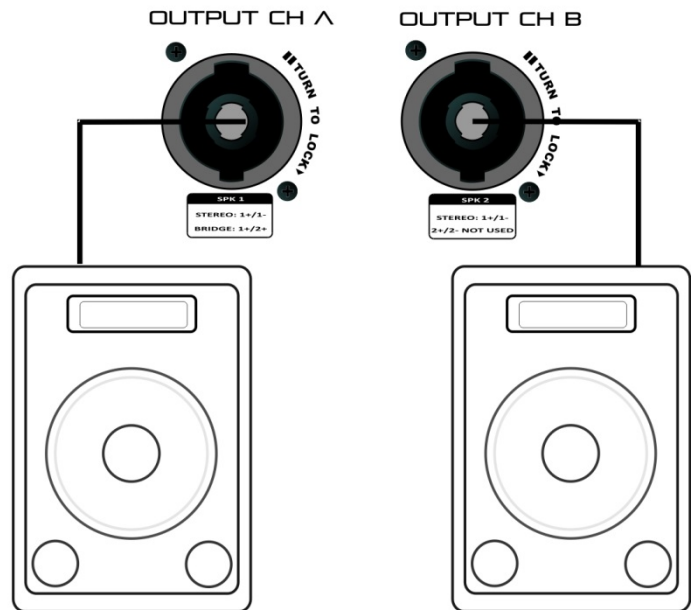
STEREO MODE

5 way binding post



Minimum impedance 4 Ohm

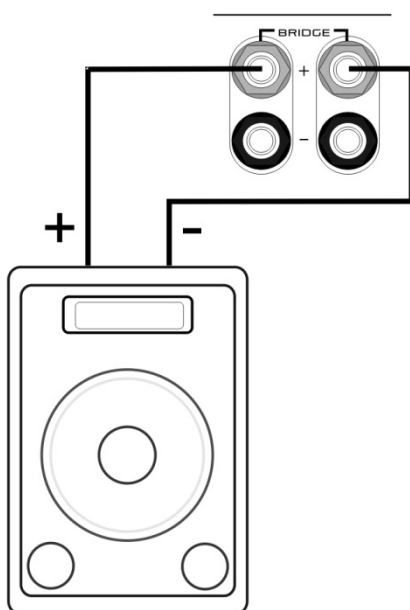
Speakon



Minimum impedance 4 Ohm

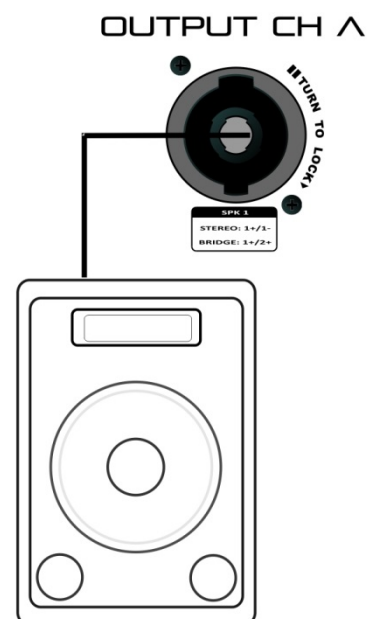
BRIDGE MODE

5 way binding post



Minimum impedance 8 Ohm

Speakon



Minimum impedance 8 Ohm

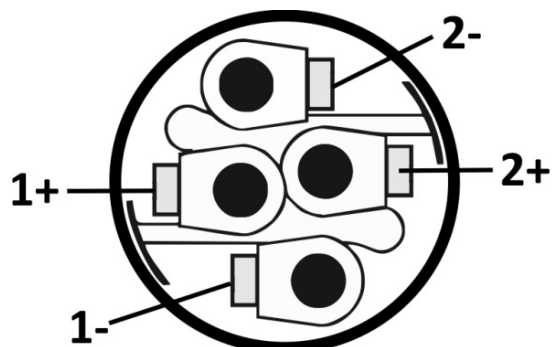


WIRING

SPEAKON

STEREO: 1+/1-

BRIDGE: 1+/2+



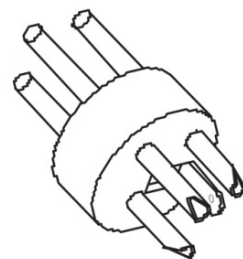
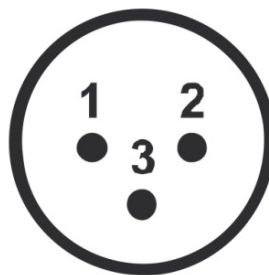
Speakon NL4

XLR BAL

PIN 1 (Ground)

PIN 2 (+)

PIN 3 (-)

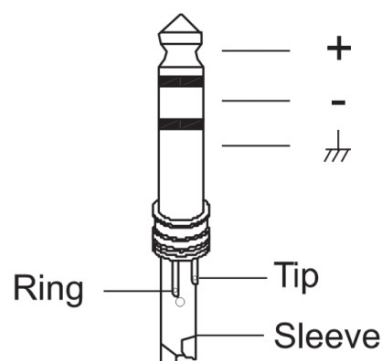


JACK TRS

TIP (+)

RING (-)

SLEEVE (GROUND)



SPECIFICATION

	ZEUS D300	ZEUS D900	ZEUS D1800	ZEUS D3600
Classe	D con alimentazione switching	D con alimentazione switching	D con alimentazione switching	D con alimentazione switching
Canali	2	2	2	2
Modalità di funzionamento	2 (Stereo, Bridge)	2 (Stereo, Bridge)	2 (Stereo, Bridge)	2 (Stereo, Bridge)
Potenza Stereo 8 Ω	2 x 100W	2 x 300W	2 x 600W	2 x 1000W
Potenza Stereo 4 Ω	2 x 200W	2 x 450W	2 x 900W	2 x 1700W
Potenza Bridge 8 Ω	1 x 300W	1 x 900W	1 x 1800W	1 x 3600W
Risposta in frequenza	20Hz–20KHz (+/-0.5dB)	20Hz–20KHz (+/-0.5dB)	20Hz–20KHz (+/-1dB)	20Hz–20KHz (+/-1dB)
Rapporto segnale/rumore (A-Weighted RMS)	>100dBA	>100dBA	>95dBA	>95dBA
Distorsione Armonica	<0.1% (1KHz)	<0.1% (1KHz)	<0.1% (1KHz)	<0.1% (1KHz)
Impedenza d'ingresso (Bilanciata)	20KHz	20KHz	20KHz	20KHz
Impedenza d'ingresso (Sbilanciata)	10KHz	10KHz	10KHz	10KHz
Fattore di Damping	>200 (5KHz-1KHz)	>200 (5KHz-1KHz)	>250 (5KHz-1KHz)	>250 (5KHz-1KHz)
Velocità di Risposta	20V/ μ S	20V/ μ S	20V/ μ S	20V/ μ S
Raffreddamento	Ventola a velocità variabile	Ventola a velocità variabile	Ventola a velocità variabile	Ventola a velocità variabile
Alimentazione	110÷230Vac	110÷230Vac	90÷230Vac	90÷230Vac
Potenza di Assorbimento	100W	300W	640W	1060W
Dimensioni	483 x 170 x 45 mm (1U rack)	483 x 170 x 45 mm (1U rack)	483 x 170 x 45 mm (1U rack)	483 x 170 x 45 mm (1U rack)
Peso	2kg	2kg	2kg	2kg

All specification can be changed by Soundsation without any notice



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

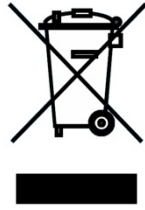
In order to send a product to service center you need an RMA number. Shipping charges have to be covered by the owner of the product.

For further information please visit www.soundsationmusic.com



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.

Contents and images shown on this manual can be changed without any notice. Please visit our website www.soundsationmusic.com to check latest version.

DESIGNED IN ITALY BY SOUNDSATION®

ZEUS D300-D600-D1800-D3600 USER MANUAL REV. 1.02



MADE IN CHINA



All the Trademarks are property of their respective owners

SOUNDSATION® is a registered trademark of

FRENEEXPORT SPA – Via Enzo Ferrari, 10 - 62017 Porto Recanati – Italy



© SOUNDSATION 2016 – All rights reserved – All total or partial reproduction of this manual by any other company or person without express authorization of Soundsation is strictly forbidden.

