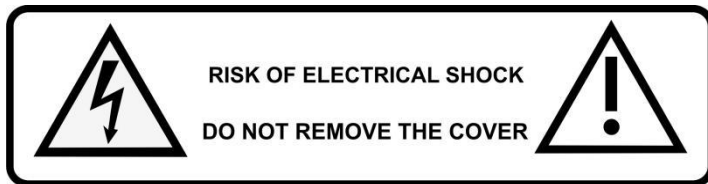


**HI EFFICIENCY POWER AMP**

**DSP series**

**USER MANUAL**

# 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.

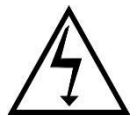
**You need assistance from qualified technician in the following cases:**

- 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**



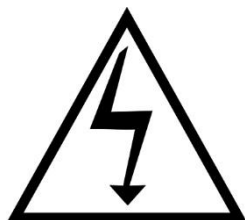
As the colors of the wires in the mains lead of this apparatus may not correspond with the colored markings identifying the terminals in your plug proceed as follows:

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.**



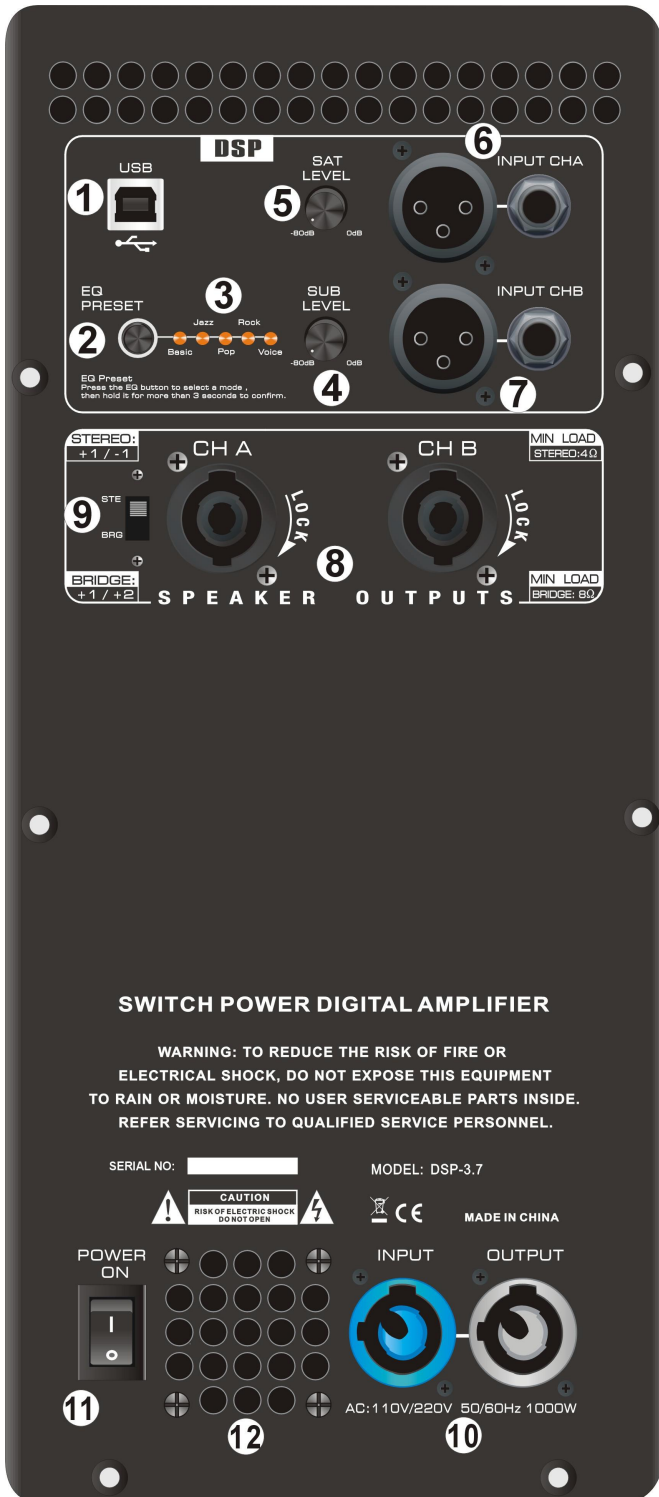
The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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.

## front and rear panels

## front and rear panels



- 1 – USB port, you can connect the computer to set the amplifier and speaker data parameters.**
- 2 – Preset Mode Selection button.**
- 3 – Five preset mode LED display.**
- 4 – SUB VOLUME.**
- 5 – SAT VOLUME.**
- 6 – COMBO CHA SIGNAL INPUT .**
- 7 – COMBO CHB SIGNAL INPUT .**
- 8 – COMBO CHA AND CHB SPEAKER OUTPUTS. RED FOR BRIDGE OUTPUTS .**
- 9 – OUTPUT MODE BUTTON(STE OR BRG) .**
- 10 – POWER SUPPLY.**
- 11– POWER SWITCH.**

## Amplifier data parameters

**OUTPUT POWER(TA 1KHz THD ≤ 1%):**

**SAT: 8Ω 2X250W      BRIDGE:8Ω 600W      SUB: 8Ω 600W**

**FREQUENCY RESPONSE :** 20Hz-20KHz  $\pm 1.5\text{dB}$

**INPUT SENSITIVITY :** 1.2V

**S/N RATIO(a-w rms) :** 100dB

**DISTORTION(typilcal/SMPTE):** **<0.5%**

**DAMPING FACTOR:** (5Hz-1KHz) >200

**Protection:** Soft start, DC, short circuit, overheating

**Conversion Rate:** 20V/US

**POWER:** AC110V~AC230V 50Hz-60Hz

# Instructions

## Operating environment

For Windows XP / WIN7 / WIN8 / WIN10 x64 or x32 Windows operating system, and do not need to install the PC computer system, open the icon software to connect operation.

## Connection operation

There is no need to install the software on a PC computer system.


The same time as First turn on the device power, with the data cable to connect the device and

computer, double-click



the icon to operate.

## 1、Online Settings

Connect the audio input and output and USB data cable, open the software automatically connected to the device, the lower left corner of the interface green light that the next machine connection is successful, the debugging operation can be carried out. If there is no automatic connection, you can click  Connect Select a signal channel other than COM1 and the device is automatically connected.

## 2、Top Menu



**Audio Setting:** Main menu operation interface, adjust the input and output of the balance, pressure limit, delay, noise gate, high and low cut and other data parameters.

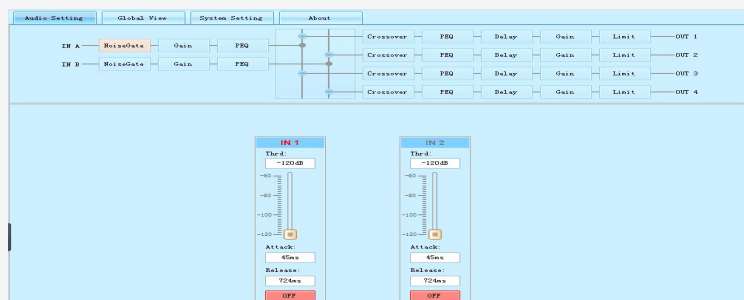
**Global View:** This interface can directly view the 4-way output of the balanced frequency response.

**System Setting:** Device program storage and import and export interface.

**About:** System information description.

## 3、Page description of each function

### 3.1 NoiseGate:



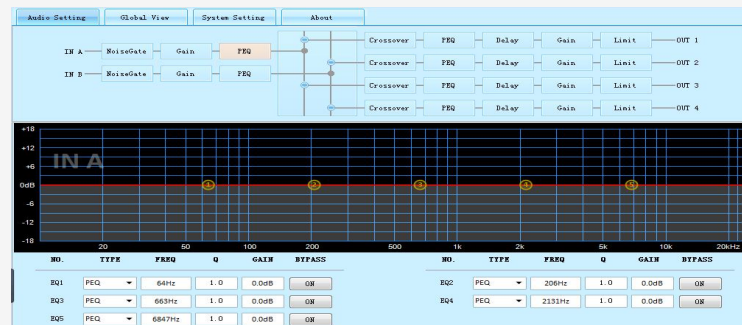
Noise gate function, through the data parameters can adjust the basic noise of the input channel.

### 3.2 Gains IN/OUT:



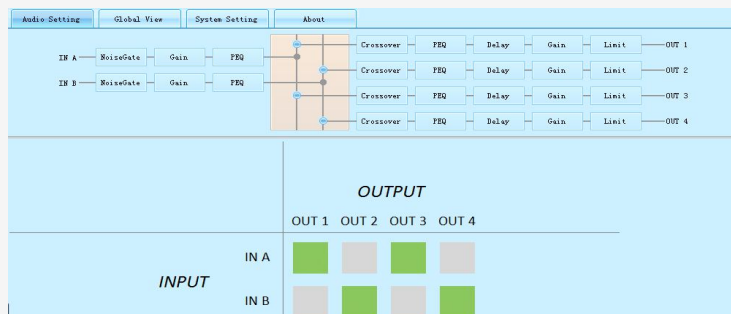
Set the input and output gain adjustment, signal levels in the case of the channel; Adjustable gain, mute, phase function.

### 3.3 PEQ: INPUT A/B:



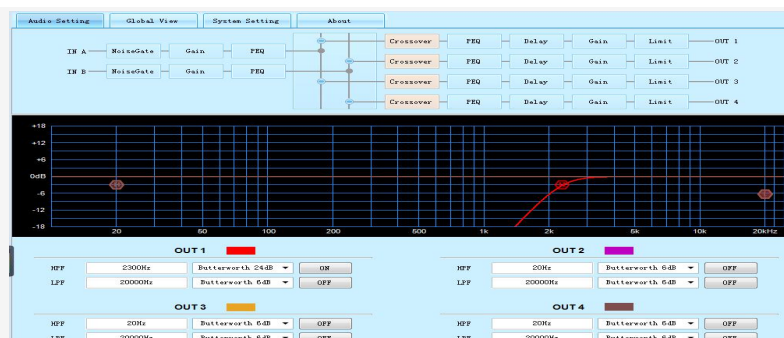
You can adjust the input channel 31-point parametric equalizer, frequency, gain, Q value and type (PEQ, HSLV overhead, LSLV low loader); EQ Reset can reset all EQ adjustment, EQ Bypass You can bypass all EQ Adjustment, EQ Visible can show or hide all EQ frequencies.

### 3.4 Router:



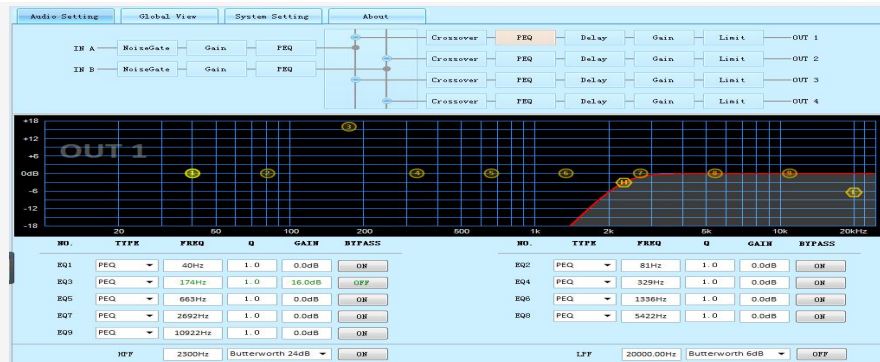
Right-click on the intersection of input and output. Choose “Modify Device” to enter the function menu, adjust routing and channel definitions.

### 3.5 Crossover:



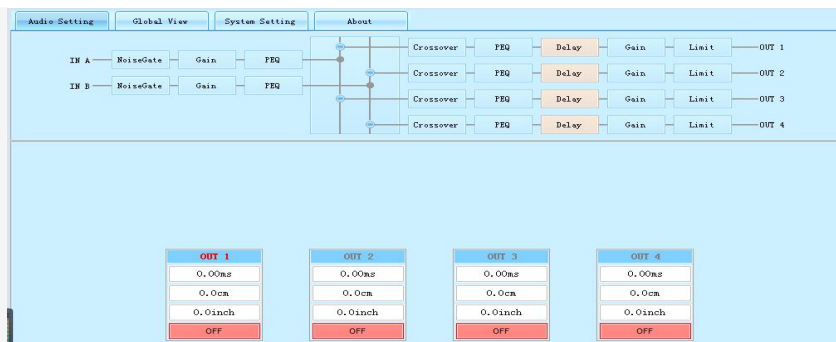
You can directly adjust the 4-way output of the crossover frequency and high and low frequency settings.

### 3.6 PEQ: OUTPUT 1/2/3/4:



You can adjust the input channel 31-point parametric equalizer, frequency, gain, Q value and type (PEQ,HSLV overhead, LSLV low loader); EQ Reset can reset all EQ adjustment, EQ Bypass You can bypass all EQ Adjustment, EQ Visible can show or hide all EQ frequencies.

### 3.7 Delay:



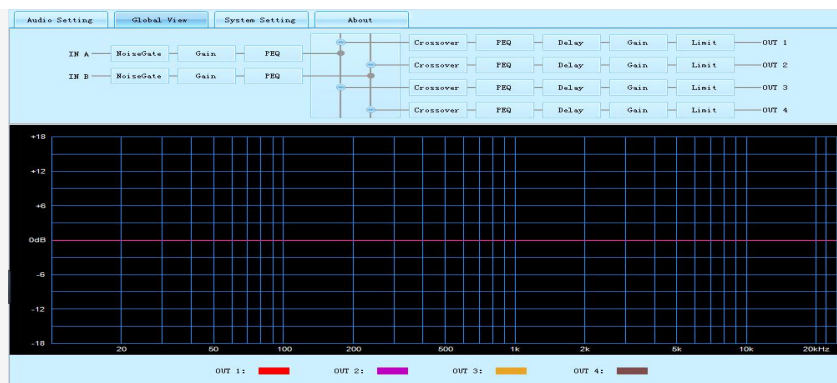
It can be adjusted for each output channel delay, stepping up to the minimum 0.001ms

### 3.8 Limiter:



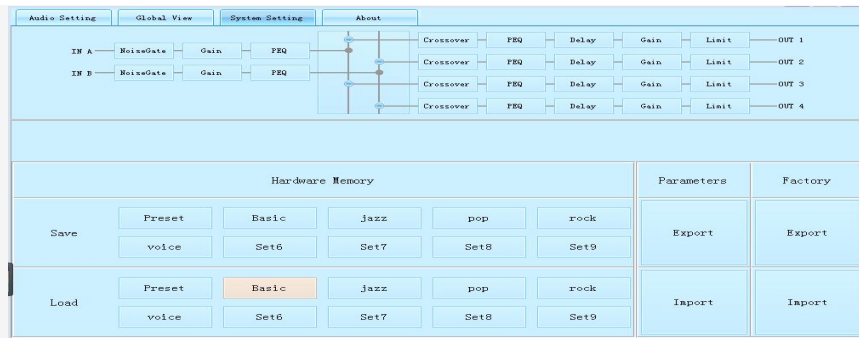
Level, compression ratio, retention time, start time, release time and other functional regulation.

### 3.9 Global View:



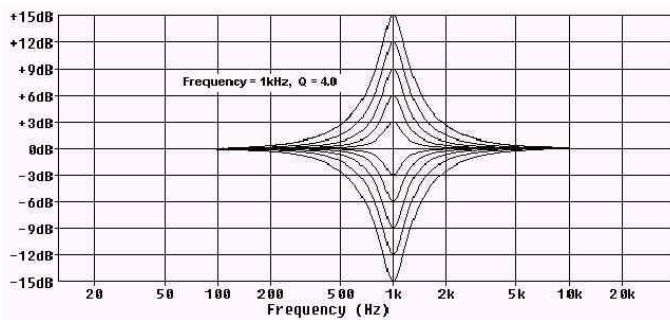
This interface can directly view the 4-way output of the balanced frequency response.

### 3.10 System Setting:

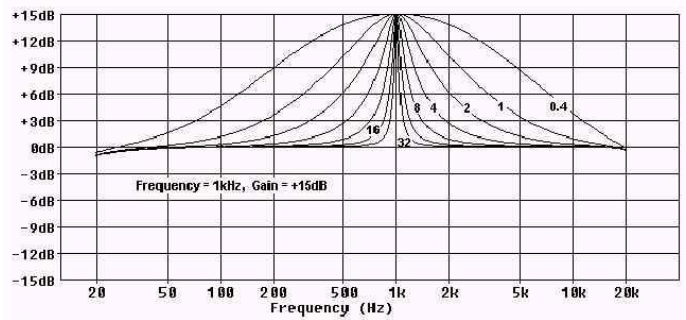


You can preset five kinds of mode effects, export save data parameters, the right mouse button default boot mode.

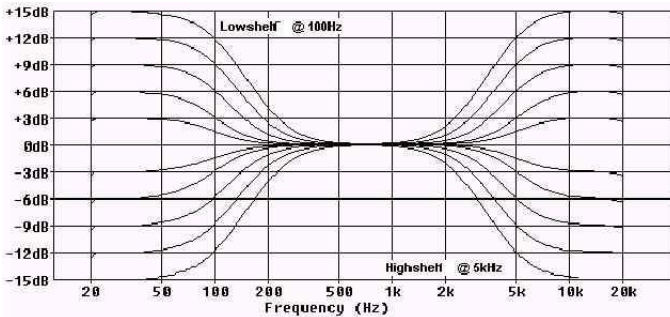
Parametric filter gain curve



Filter parameters 'Q' curve



High and low pass filter parameters response curve



All the specification can be changed by Soundsation without any notice



# 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.



MADE IN CHINA