

POWER SOAK™ INSTRUCTIONS and INFORMATION

- Step 1 Set Power Soak™ "Speaker Impedance Switch" to match the impedance of your speaker(s).**
- Step 2 Set Amplifier Impedance Switch (if it has one) to match speaker impedance.**
- Step 3 Place Power Soak™ in a horizontal position and away from cooling vents of amp. Allow for maximum ventilation.**
- Step 4 Connect speaker cables from the amp output to the Power Soak™ input and from the Power Soak™ output to your speaker cabinet(s).**

WARNING: Improper set up may cause damage.
Use speakers with correct impedance for your amp.

Tips for Power Soak™ Usage

All guitar amplifiers have two stages of electronics built into them. The first stage is called the **Preamp**. It increases the voltage from your guitar and changes the sound by adding bass, treble, etc. and can add distortion. The second stage is called the **Power amp**. It takes the Preamped guitar signal, increases the voltage again, and gets it ready to be sent to speakers. The Power amp stage can also add distortion to the sound. Some guitar amps sound best when they're set on "10" and both the Preamp and Power amp stages are distorting. If you have a 100 watt amp, that can also be very LOUD. Some amps have a Master Volume knob that turns down the signal to the Power amp stage so the amp won't be so loud. That will also reduce the amount of distortion that the Power amp stage will make. If you turn up the Input volume or Gain knob, you can still get preamp distortion, but it won't sound the same as when you get both Preamp and Power amp distortion.

The Power Soak™ was designed to allow you to turn your amp up to where you get the sound you want and then be able to control the volume of that sound. It gets connected after the Power amp stage and reduces the voltage to your speakers.

Use your amplifier settings to control distortion and the Power Soak™ to control volume. Set your amplifier Input volume (gain) and Master volume (if it has one) up to allow the Power amp (output) stage of amp to be overdriven. Turn the Power Soak™ up or down to control how loud you want your speakers to be. If your sound gets "muddy", turn up the Midrange and/or Treble controls on your amp - or turn down the Bass control.

For Headphones: Use a standard headphone adaptor (1/4" female stereo to 1/4" male mono). Connect to either "Connect to Speakers" jack and set Power Soak™ volume to -32db (phones) position. Set amplifier impedance switch (if it has one) and Power Soak™ impedance switch to 8 Ohms or whatever impedance is recommended by the amp manufacturer.

Direct Out with Speakers: Set amplifier impedance switch (if it has one) and Power Soak™ impedance switch to match speaker impedance. Connect audio cable to one of the Power Soak™ speaker jacks. Maximum Power Soak™ volume settings from -32db to -12 db may be used. (7 volts maximum line signal)

Direct Out without Speakers: Set amplifier impedance switch (if it has one) and Power Soak™ impedance switch to 8 Ohms or whatever impedance is recommended by the amp manufacturer. Connect audio cable to one of the Power Soak™ speaker jacks. Maximum Power Soak™ volume settings from -32db to -12 db may be used.

NOTE: If amplifier is being connected to a device or mixing console without transformer balanced inputs, a "line balancing" transformer should be used.

Specifications:

MAXIMUM CONTINUOUS POWER DISSIPATION: 120 watts R.M.S.

AMPLIFIER COMPATIBILITY: Power Soak™ maintains amp output current and voltage within $\pm 10\%$ of normal operating values.

INSERTION LOSS AT FULL POWER SETTING: Tube amps: none. Solid state amps: 8 Ohm amps -2.5db. 4 Ohm amps -3.5db.

NOTE: "Connect to Speaker" jacks are wired in parallel.

For all volume settings below -15db the nominal input impedance of the PowerSoak™ is either 8 or 4 Ohms (whichever is selected) regardless of speakers or headphones plugged into it.

Will the Power Soak™ damage my amp? NO. But if you drove your car as fast as it can go all the time it would probably break down sooner than if you drove 55. Guitar amps are the same. They'll break down sooner if you run them on '10' all the time. Check with the manufacturer for their recommended duty cycle.

Limited Warranty

Return enclosed registration card to activate your unit for warranty.

Scholz Research and Development, Inc. (SR&D) takes pride in the fact that no SR&D products leave our factory without being quality tested to give you carefree use. SR&D warrants your product to be free of manufacturing defects for a period of one (1) year from the original date of consumer purchase. If this product should become defective within the warranty period, SR&D will elect to repair or replace it, free of charge.

Special procedures are used to disassemble and service this product. Since there are no user serviceable parts inside the case, circuit damage and voiding of the warranty will result if the case is opened. Should you experience a problem with your product, please send it to our service center as described below.

TO OBTAIN WARRANTY SERVICE:

1. Deliver or ship this product with all transportation and insurance charges prepaid to the SR&D Service Center, 1560 Trapelo Rd. Waltham, MA 02154. For protection, shipment in the original packaging is recommended.
2. For expediency, a letter explaining the problem and any other pertinent information should be included. Be sure to include your return address.
3. If you have any questions about service, please call the Service Center at 617-890-5211.

This warranty does not extend to any damage caused by misuse, accident, improper installation, weather-related damages, or use contrary to the instructions furnished with the product.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is valid only in the United States.