



Speedwoofer 10S_{Mk2}

Quick Start Guide

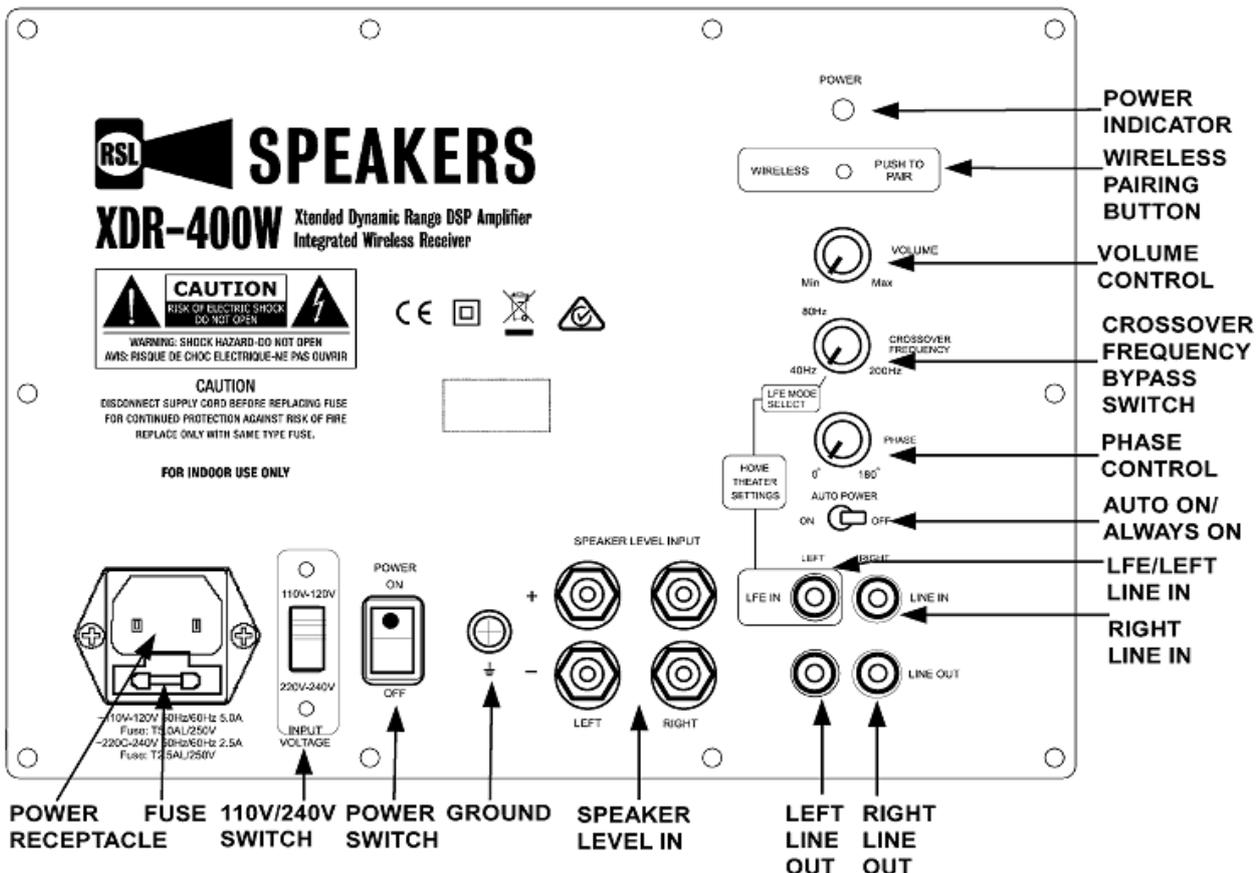
For those already familiar with our award-winning Speedwoofer 10S and think bass doesn't get any better, be prepared for a surprise. Your new Speedwoofer 10S_{Mk2} ups the ante. The original 10S amazed, dazzled, and used up many of audio's best adjectives. The new Speedwoofer 10S_{Mk2} has a new more powerful amplifier for higher output in all ranges as well as digging deeper in the bass. Now, an integrated DSP maximizes performance at all frequencies. Yet, the precision and accuracy the Speedwoofer is known for, is improved.

The enjoyment of your Speedwoofer is dependent on several factors including, positioning, room acoustics, and the settings on the amplifier or device that supplies the audio signal. We strongly suggest that you download our owner's manual at www.rslspeakers.com/manuals. We tried to keep the boring stuff at a minimum.

We want your new Speedwoofer 10S_{Mk2} to live up to its full potential. If it doesn't seem to, contact us and we'll be happy to provide the high level of customer service we're known for.

Steps To Bass Nirvana

1. Save all packing materials in the unlikely event your Speedwoofer needs servicing in the future.
2. Find the right location for your Speedwoofer, where the bass is distributed evenly among your seating positions. This is dependent on your room's acoustical characteristics. We suggest experimenting.
3. Connect your subwoofer to your A/V receiver or amplifier using an RCA cable or the optional wireless transmitter. For home theater, you'll run the cable from the receiver's subwoofer out to the Speedwoofer's LFE in. For stereo, use the Line In inputs and select the correct crossover setting on the subwoofer.
4. Run the auto-setup of your receiver (even if you've run it previously).
5. Refer to the diagram and our explanations to set the controls of the Speedwoofer.



Power Indicator - When the LED is red, the Speedwoofer is in standby mode. After receiving a signal, the LED turns green or blue (depending on version of Speedwoofer) and your subwoofer is in operation mode. No light means the sub isn't receiving power. Re-check the power switch and AC power connection. For standby to function, the auto power switch must be set to on.

Wireless Pairing Switch - To use your Speedwoofer wirelessly, you'll need the optional wireless transmitter. To pair the Speedwoofer, refer to the instructions included with the transmitter.

Volume - Controls the volume of bass output. During setup, we suggest setting the volume control near the 12 o'clock position. This allows maximum flexibility if you need to perform fine volume adjustments later. If you find that you have to turn the volume up too high or down too low, refer to the setup in your A/V receiver to adjust its output level to the subwoofer.

Crossover-DSP Settings – The crossover knob selects both the crossover frequency and also lets you select from 2 DSP sound modes. If the knob is turned fully counterclockwise until it clicks (LFE enabled), the internal crossover of the Speedwoofer is bypassed and the crossover function will be handled by your home theater receiver or processor. Also, with the Speedwoofer's crossover bypassed, the DSP mode will extend the Speedwoofer's bass response. This is ideal for home theater.

If the knob is rotated clockwise off the bypass position, the Speedwoofer's crossover is active, and you can select the appropriate frequency. For example, an 80Hz setting means your Speedwoofer will handle all frequencies at 80Hz and below. An 80Hz setting is recommended for larger bookshelf speakers. For smaller bookshelf speakers, we recommend a setting of 90-100Hz. We also suggest listening with different crossover settings so the Speedwoofer integrates seamlessly with the rest of your system.

Also, with the internal crossover active, the DSP will enable your Speedwoofer to deliver the same performance as our original Speedwoofer 10S. This may be a good choice if you primarily listen to music or if you wish to limit the bass that is transmitted to other rooms. To use this mode with your home theater receiver's internal crossover also active, turn the crossover knob fully clockwise. This will prevent the internal crossover from interfering with your home theater receiver's crossover.

Phase - Allows you to slightly delay the bass through the subwoofer, which can help the subwoofer blend perfectly with the rest of your system. The bass should sound like it's coming from your front speakers instead of a separate subwoofer. The standard setting is 0 degrees, but feel free to experiment.

Auto Power - In the auto power on position, the Speedwoofer will remain in standby mode until it receives an audio signal. The power indicator will change from red to green and the Speedwoofer is in operation mode. In the auto power off position, the Speedwoofer will always stay in operation mode, which will not harm the subwoofer.

Line In/LFE In - LFE stands for low frequency effects. For home theater, use a single RCA cable from the receiver's subwoofer or LFE out to the Speedwoofer's LFE in. For a 2 channel system, use a stereo pair of RCA cables to the Speedwoofer's line In left and right inputs.

Line Out - Can be used for 2 different purposes. For a 2 channel system, this can feed the signal back to your stereo amplifier for the other speakers. The line outs can also be used to connect an additional Speedwoofer. See the Dual Speedwoofer section.

Speaker Level In - This connection can be used in stereo systems with amplifiers that do not have pre-amplifier outputs. In this case, you can connect one set of speaker wires to your Speedwoofer and another stereo set to your main speakers. Use the Speedwoofer's internal crossover.

If you experience ground-loop hum, this is not the fault of the subwoofer. It is the result of differences in the ground characteristics between different audio equipment. Fortunately, this is easy to fix. Connect a length of wire from your audio amplifier's ground to the Speedwoofer amplifier's ground. If your audio amplifier does not have a ground lug, then loosen a screw around the perimeter of the chassis. Wrap the stripped end of the wire around the screw and re-tighten. The hum should vanish.

Input Voltage - Is normally set for use in the U.S. and Canada at 110 Volts. **If your country's AC voltage is 230-240 Volts, you must change this setting before using the Speedwoofer. You must also change the fuse to a 2.5 amp fuse. See the back of the subwoofer. Failure to do this will damage the subwoofer and is not covered under warranty.**

Main Power Switch - This will normally be left on. However, when connecting and disconnecting cables to the Speedwoofer, first make sure the main power switch is off. When switched on, your Speedwoofer will go into standby mode (red light) until it receives an audio signal (when the auto power switch is set to on). Then, the light will turn from red to blue or green (depending on version of Speedwoofer). When the Speedwoofer stops receiving a signal, it will return to standby mode after approximately 20 minutes. To use the standby function, the auto power switch must be set to on.

AC Receptacle - Receives the power cord and AC power. This is where the fuse is stored.

Dual Speedwoofers

It's easy to run 2 Speedwoofers (your neighbors will wish it was harder). If your audio source (receiver or amplifier doesn't have dual subwoofer outputs), simply connect an RCA cable from the first Speedwoofer's Line Out to the second Speedwoofer's Line Ins (a single cable for home theater or a stereo cable for 2 channel stereo). Now, both subwoofers will play when the first Speedwoofer receives a signal. This method will only work when the first subwoofer is connected either by line input or speaker level input.

Specifications

Frequency Response: 21-200 Hz+/- 3db

Overall Frequency Response: 18-200 Hz (Room dependent)

Amplifier Power: 400 Watts/RMS (1,000 or more Watts Peak Dynamic Power) Note: Peak power specs are not regulated and isn't an honest way to rate power.

10" Aluminum Frame High-Excursion Woofer with Massive Double Magnet Structure

Compression Guide Tuning Technology

Wireless Operation with Optional Wireless Transmitter

Wireless range: approximately 50 feet.

Dimensions: 16"H x 15"W x 17 3/4" D (Including AC Cord) Weight: 45 lbs.

Care And Maintenance

Caring for your RSL Speedwoofer is relatively easy and does not require much on your part. We have listed the most important dos and don'ts below.

1. Clean your subwoofer using a soft, moist cloth (Windex or water is recommended), preferably micro-fiber or lint-free. Do not put your subwoofer in the washing machine or dish washer.
2. Be very gentle when cleaning the front of your subwoofer, trying not to put pressure on the woofer itself.
3. Be careful with liquids or beverages near your Speedwoofer. It does not play better when wet. Don't place flowers or plants that require watering on top of the subwoofer. Watering your Speedwoofer will not make it grow.
4. Please keep your Speedwoofer away from direct sunlight and heat sources. Leave a few inches of room behind the Speedwoofer for air flow to the amplifier.
5. If you operate the subwoofer with the grille off, please make sure that the woofer does not come in contact with anything as it can be damaged.
6. Wires can loosen over time. Periodically check to make sure all connections to the Speedwoofer are tight.
7. Your Speedwoofer may not be used as a flotation device.

Peace Of Mind Warranty

We've gone to great lengths to build a subwoofer that will serve you well for many years. However, in the unlikely event it breaks and it's our fault, we'll fix it for free.

Speakers are warranted for 5 years; electronics are warranted for 2 years.

We have designed the Speedwoofer to have its parts easily replaced by the user, requiring only a Phillips screwdriver and minimal technical knowledge. We may offer this solution to you in order to save you the expense and hassle of sending your subwoofer to us.

Here are the terms (sorry, our lawyer made us do this):

RSL warranties your speakers for a period of 5 years from the date of purchase. We warranty our subwoofer amplifiers for a period of 2 years from the date of purchase. Our products are warranted to be free of defects in original materials and workmanship. Our warranties apply to the original purchaser. To obtain warranty service, we ask you to help us out with the following:

1. Be able to furnish a copy of your sales invoice. However, if you can't find it, we'll do our best to fire up the computer and look it up for you.
2. The serial numbers must be intact and match those on your sales invoice. Return authorization must first be obtained by contacting us before sending your subwoofer to us. It must be properly packed.

Our speakers were designed for residential stereo or home theater use and must be used in this manner. They were not specifically designed for public address, musical instrument amplification, or other commercial or high intensity applications such as county fairs or NASCAR races. Such use is not covered under warranty.

Speakers returned under the terms of the warranty will be repaired or replaced at our option. We will pay for shipping the repaired product back to you if you live in the continental U.S. You are responsible for prepaying the shipping to us. Speakers that have been abused, operated improperly, improperly packed, tampered with, insulted or opened (without our prior permission) will not be repaired under warranty. This warranty does not cover damage caused by the use of faulty or improper audio/video components.

This is the total warranty. There are no other warranties, expressed or implied. No responsibility is assumed for any incidental or consequential damages. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

If you require service, please contact us at sales@rslspeakers.com or by phone (805)905-5485.



26500 W. Agoura Road
Suite 571
Calabasas, CA 91302
(800)905-5485
www.rslspeakers.com