

SPICA

SC-30 SPEAKER OWNERS MANUAL

Thanks for choosing the SPICA SC-30 speaker system. Your new SC-30s are among the most sophisticated "bookshelf" speakers available, and will provide you with many years of listening pleasure. We are confident that you will be more than pleased with this affordable addition to your system.

Please take the time to read this manual, and fill in and return the product registration card. Include the serial numbers for both speakers.

SETUP

Connections

- <> Turn off your power amplifier or receiver.
- <> Most specialty speaker wires come already prepared for connection. If not, you must prepare it for hookup by removing 3/4" of the insulation from each lead of the wire. Twist the bared strands of wire together tightly, and form a hook shape on the ends.
- <> Loosen the red plastic knob on the back panel of the SC-30 by turning it counter-clockwise a few turns. Place one lead of the speaker wire around the metal part of the red post so that the hook wraps clockwise around the post. Turn the knob clockwise until it feels good and snug. Do not use pliers or any tools to tighten the knob, as it might strip the threads.
- <> Repeat this process for the black "-" binding post, and then again for the other SC-30.
- <> DO NOT ALLOW THE BARE WIRE FROM ONE INPUT TO TOUCH THE BARE WIRE OF THE OTHER INPUT OR SERIOUS DAMAGE TO YOUR AMPLIFIER OR RECEIVER MAY RESULT!
- <> Follow the amplifier manufacturer's instructions regarding speaker wire connections. Make sure that the "+" output of each channel is connected to the red terminal on each SC-30.

Placement

- <> Whether you place the SC-30s on speaker stands, shelves, or the floor, position them so that they point directly at your favorite listening area. Optimally, they should be equidistant from this area, with the center of the cabinet at ear height.
- <> Placing a speaker nearer the wall or floor will emphasize the bass tone range and also cause unnatural reproduction in the mid tone range. You may want to experiment with speaker placement to find a balance that suits your taste.
- <> When powering up your system, make it a habit to always turn on your amplifier or receiver last. When shutting the system off, turn the volume control down all the way and turn the amplifier or receiver off first. This will avoid possible damage to the SC-30s caused by the "pops" and "clicks" that some pieces of audio equipment put out when turned on or off.

Breakin

Every mechanico-electrical device has a "break-in" period, during which the moving parts become more supple and the electrical parts become more stable. For the SC-30s, this takes place gradually over the first ten or more hours of use. During this period, you will notice that the sound becomes sweeter, more natural, and more spacious.

Amplifiers

The job of the power amplifier, whether it is a separate component or part of a receiver, is basically twofold. First, to make the signal coming from your source (record, CD, whatever) strong enough (and without distortions of any kind) to cause sound to come out of the speakers. Second, it must be able to overcome the constantly changing electrical conditions (called "impedance" or "load") that a speaker presents to an amplifier. Although it is beyond the scope of this manual to discuss why, it is a fact that some amplifiers do this better than others. Here are some things to look for when comparing power amplifiers and receivers:

- > High instantaneous current capacity.
- > Wide full power bandwidth.
- > Constant damping factor over the widest possible frequency range.

How much power you will need depends on how loud you like to play your music, and the size of your room. Normally, 20 to 50 watts will be just fine. If you really like to "wick it up" sometimes, then the more power available, the better. Most damage to speakers happens because of insufficient power being available for the volume level being demanded. Generally speaking, it is best to have more power than you need to play as loud as you want to, and use it with discretion.

Speaker Wire

Although their cost may seem high, quality speaker wire makes a significant contribution to the total performance of your system, especially if the distance between power amplifier and speaker is great. The usual "zip cord" will tend to make the system sound dull and lifeless in the trebles, mushy in the bass, and generally hamper the amplifier's ability to control the speaker. There are quite a number of excellent speaker wires available, with more appearing all the time. Wires from companies such as Straight Wire, Kimber Cable, and others, provide excellent performance at reasonable cost. Ask your dealer for advice.

- > Use the shortest length of wire possible between amp and speakers.
- > For systems set up for careful listening, both speaker wires should be the same length. Unequal length wires can create subtle imbalances between the two speakers

Miscellanea

The so-called "loudness" control found on receivers (and some preamps) is intended to make the perceived tonal balance of music sound more natural when it is played at background listening levels. When engaged, the loudness control boosts the extreme bass and trebles. When playing your system at soft levels, this is not a problem. But if the system is played louder, this boost soaks up a lot of the reserve power available in your amplifier or receiver, and it may cause distortion and eventual damage to the speakers. So, when playing your system at medium to high volume levels, **MAKE SURE THE LOUDNESS CONTROL IS OFF.**

For further information on system setup and performance, we highly recommend that you read Laura Dearborn's "Good Sound" (a Quill paperback). It is enjoyable and informative reading, and picks up where this manual must leave off...

SC-30 SPECIFICATIONS

System Type	: Sealed box
Frequency Response (-3 dB)	: 54 Hz - 27 kHz
Woofers	: 8" paper cone
Tweeter	: 1.5" polypropylene cone
Crossover	: 3rd order at 3kHz
Input Impedance	: 8 ohms nominal
Polarity	: Both drivers positive
Sensitivity	: 88dB @ 1 watt, 1 meter
Power Handling	: 50 watts continuous program, 100 watts peak
Size	: 10" W x 23" H x 11.75" D
Net Weight	: 28 lbs. each

WARRANTY

When purchased from an authorized SPICA dealer, SPICA warrants the SC-30 to be free from manufacturing defects for five (5) years from the date of purchase. This warranty is offered to the original purchaser only. Your sales receipt is your proof of purchase. Failures covered under warranty will be either repaired or replaced at SPICA's option. SPICA reserves the right to make final determination of warranty coverage. SPICA makes no other warranties, either expressed or implied.

This warranty excludes damage caused by user abuse (whether accidental or intentional), carelessness, and faults with associated equipment.

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