



SE-6 / SE-12

SE Series

6-Watt or 12-Watt
Cathode-Biased
Single-Ended Class A
Tube Amplifier Head
or 1x12 Combo

Owner's Manual

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SonicTone Amplification, LLC
P.O. Box 24456
New Orleans, LA 70184
contact@sonictoneamps.com
www.sonictoneamps.com
Made in the USA

Introduction

The SE series of SonicTone amplifiers is a special, limited run series of amps. What's so special about it? Well, if you know, you know. This series is for the true tube amp aficionados out there. The amplifiers in the SE series are simple, pure single-ended class A designs. They are low-wattage circuits that allow you to fully drive the amp, achieving that sweet even-order harmonic saturation and tone for which single-ended class A amps are known.

Let's be honest - the term "class A" has been quite the over-hyped and often misused marketing buzzword for a couple of decades now. In fact, some amp companies market some amps as "class A" amps that may or may not be "true" class A amps. But rest assured, the SE series amps are indeed true class A amps, through and through. And with the class A design, the amp really lets the output tube reach full saturation and provide some of the sweetest sounding harmonic distortion around. And with no negative feedback, the touch and response is incredible as well.

I'd like to personally thank you for purchasing the SonicTone SE Series tube amplifier. I know how important every player's tone is to them and that consideration goes into every amp. Carefully designed and hand-built here in the U.S., the SonicTone SE Series tube amplifier delivers amazing, pure tube tone for you to use when playing live or in the studio.

Good luck and enjoy the amp!

Sincerely,



Nick Sagona

⚡ WARNING! ⚡

Dangerous and potentially lethal voltages may be present in the amplifier even after it has been turned off and unplugged. Do not open the amp yourself or touch the inside of it. Only have a qualified service technician open up and work on the amplifier.

Safety Instructions

1. Always use the correct types of tubes for this amplifier.
2. Always match the impedance to correct value of the speaker load.
3. Do not attempt to bypass the fuses or use different fuse values.
4. Please only use the provided SonicTone footswitch, which is compatible with this amplifier.
5. Please only use a TRS cable to connect the footswitch to the amplifier.
6. Please operate the amplifier in dry and safe conditions.
7. Please store the amplifier in a reasonable, climate-controlled environment.
8. If you are experiencing issues with the amplifier, please have it worked on by a qualified service technician only. Do not attempt to open the amp and work on it yourself.

Features

The SE-6 is a 6-watt cathode-biased, single-ended class A tube amplifier. It uses three (3) 12AX7 preamp tubes, one (1) EZ81 rectifier tube and one (1) EL84 power tube. It also has separate 16, 8, or 4 ohm speaker output jacks.

The SE-12 is a 12-watt cathode-biased, single-ended class A tube amplifier. It uses three (3) 12AX7 preamp tubes, one (1) EZ81 rectifier tube and one (1) octal power tube. The available selection of octal power tubes includes either an EL34, a 6L6, a 6550 or a KT88. It only has separate 8 or 4 ohm speaker output jacks.

The features include:

- 2 channels with independent gain controls (footswitchable)
- Shared 3-band EQ
- Bright switch on channel 1
- Tube-driven, buffered FX loop, bypassable
- Master volume
- Classic/Hotrod switch on channel 2
- Tube/solid-state rectifier switch
- 12" Celestion 25-watt 8 ohm Greenback speaker (stock combo only)
- Birch plywood cabinet with finger-jointed construction

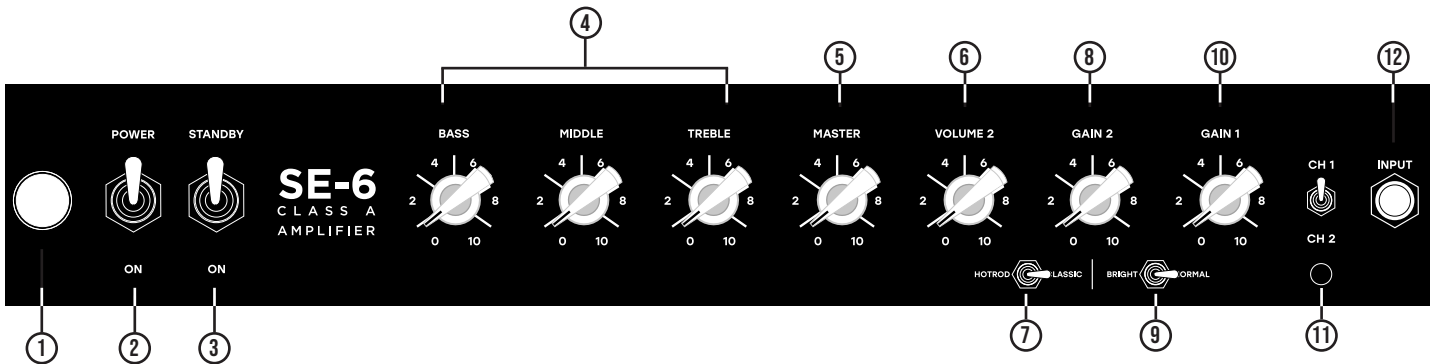
Tube/Solid-State Rectifier Switch:

The tube/solid-state rectifier switch is another interesting feature that can give you a subtle tonal option. When set to the tube rectifier, the amp will produce a slightly more vintage sound, where there is a little more compression and sag with the sound. Some players prefer this, saying that it gives the amp a more vocal and spongy sound and that the notes have a nice "touch" or "bloom" to them. However, if that's not your preference, switching to the solid-state rectifier will give the amp a slightly more aggressive sound with a more firm and immediate response.

Footswitch Operation:

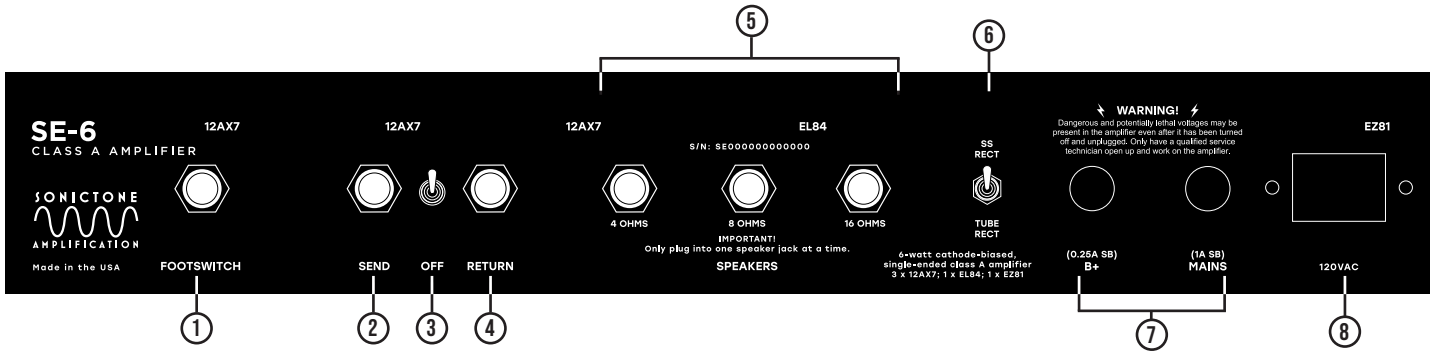
The footswitch requires the 1/4" TRS cable to be inserted into the footswitch jack on the rear panel as well as the jack on the footswitch. The "CH 1 / CH 2" switch on the front panel is automatically defeated if the footswitch cable is plugged into the footswitch jack on the rear panel.

Front Panel



1. **Pilot Light** - illuminates when the amp is turned on.
2. **Power Switch** - turns the amp on.
3. **Standby Switch** - allows the amp to be played. When the standby is off, the tubes are kept warm, but the amp will not make any sound.
4. **Bass, Middle and Treble** - passive equalization controls to adjust the tone of the amp.
5. **Master** - the overall master volume of the amp.
6. **Volume 2** - control to adjust the overall volume on channel 2.
7. **Hotrod/Classic** - switch to engage a bolder tone on channel 2. In “Hotrod” mode, channel 2 will have additional gain and a more aggressive, slightly brighter voicing.
8. **Gain 2** - control to adjust the amount of gain on channel 2.
9. **Bright Switch** - switch to engage a brighter tone on channel 1.
10. **Gain 1** - control to adjust the amount of gain on channel 1.
11. **CH 1 / CH 2 Switch & LED** - switch to change between channels 1 and 2 when not using the footswitch. The LED illuminates when channel 2 is engaged.
12. **Input Jack** - mono input jack to plug your guitar into.

Rear Panel



1. **Footswitch Jack** - stereo input jack to plug the provided 1/4" TRS footswitch cable into.
2. **FX Loop Send Jack** - mono input jack for the FX loop send signal.
3. **FX Loop Bypass Switch** - switch to fully bypass the FX loop circuit.
4. **FX Loop Return Jack** - mono input jack for the FX loop return signal.
5. **Speaker Jacks** - mono input jacks to plug the speaker load into. PLEASE NOTE: Only plug one speaker load into one jack at a time. Do NOT plug more than one speaker load into more than one jack at a time. You must correctly match the speaker load to the impedance labeled on the jack. (*The SE-12 only provides 2 speaker outputs - 4 ohms and 8 ohms.*)
6. **Solid State/Tube Rectifier Switch** - switch to change between using the tube rectifier or the solid state rectifier. Using the tube rectifier will produce more of a vintage sound which is more compressed and spongy. Using the solid-state rectifier, the sound will be more firm and aggressive.
7. **Fuse Holders** - receptacles for the amp's fuses.
8. **AC Jack** - jack to plug the provided AC cord into.

A note about the FX Loop - When the FX loop is off (bypassed), the entire signal will bypass the FX loop circuit altogether. However, the send and return jacks are switched jacks that are connected together internally when nothing is plugged into them. Therefore, when the FX loop is on, signal will be allowed to pass through the FX loop even if nothing is plugged into it.

! NOTICE !

Tube amplifiers are voltage-sensitive devices that require a certain amount of AC input voltage (VAC.) If the provided input voltage is too low, the amplifier may not function properly. If the provided input voltage too high, it may damage the amplifier. Please take care to ensure that the correct AC input voltage is provided to the amplifier. See the **specifications** section of this manual for more info.

2-Year Limited Warranty

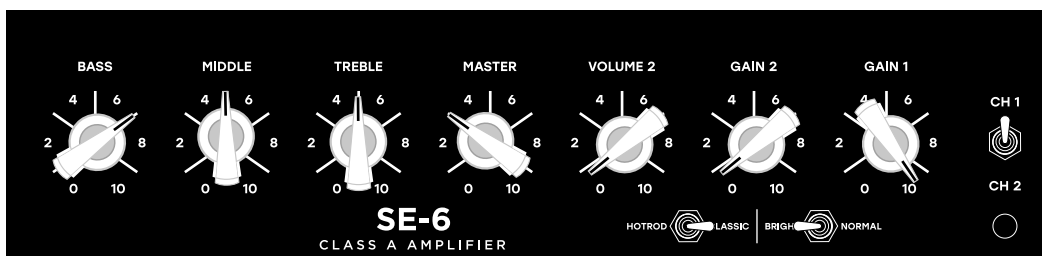
This amplifier is protected with a limited, 2-year warranty for any and all defective issues with the build workmanship and parts, excluding tubes, transformers and speakers. The warranty does not cover general wear and tear, neglect, misuse or abuse, damage from liquids (water, alcohol, etc.), disasters, acts of God or unauthorized modifications. Any modifications made to the amp by the owner or a technician will void the warranty. The owner is responsible for all warranty shipping costs. Once the warranty work is completed, the customer will be notified and sent a final shipping invoice. The owner then is required to pay the shipping invoice to have the repaired amp shipped back to them. Returned warranty shipping will be insured and will require a signature.

Sample Settings

Channel 1 - Sparkly Clean:



Channel 1 - Blues Crunch:



Channel 2 - Classic Rock:



Channel 2 - Hard Rock:



Specifications

Product Series: SE Series

Product Model: SE-6 or SE-12, Head or 1x12 Combo

AC Input & Fuses:

- Standard IEC jack for U.S. 120VAC (International 240VAC)
- 1A slo-blo mains fuse for U.S. 120VAC (0.5A for International 240VAC)
- 0.25A slo-blo high voltage (B+) fuse

Tubes & Power Output:

Both models use three (3) 12AX7 preamp tubes.

6-watt Model

- One (1) EL84 power tube
- One (1) EZ81 rectifier tube
- 6W @ 16, 8 or 4 ohms

12-watt Model

- One (1) octal power tube (EL34, 6L6, 6550, or KT88)
- One (1) EZ81 rectifier tube
- 12W-15W @ 8 or 4 ohms

Speaker:

- One (1) 12-inch 25W 8 ohm Celestion Greenback (*stock combo only*)

Footswitch:

- Single button SonicTone footswitch
- TRS cable required for proper operation

Dimensions:

SE-6 Head

- Width: 24 in
- Height: 10.75 in
- Depth: 9 in
- Weight: 21.5 lbs

SE-6 1x12 Combo

- Width: 24 in
- Height: 20.75 in
- Depth: 10 in
- Weight: 37.0 lbs

SE-12 Head

- Width: 24 in
- Height: 10.75 in
- Depth: 9 in
- Weight: 25.5 lbs

SE-12 1x12 Combo

- Width: 24 in
- Height: 20.75 in
- Depth: 10 in
- Weight: 40.0 lbs



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