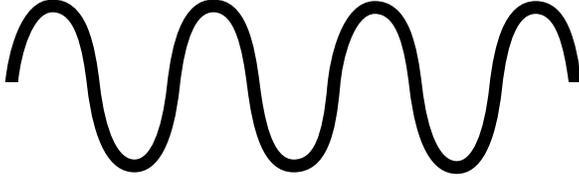


SONICTONE

AMPLIFICATION

Clarksdale

Vintage Series

Fixed-Biased Tube Amplifier
60-Watt Head or 2x12 Combo

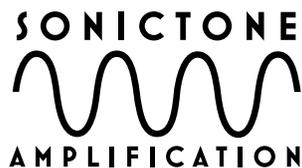
- or -

120-Watt Head

Owner's Manual

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Made in the USA

Introduction

I'd like to personally thank you for purchasing the SonicTone Clarksdale 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 Clarksdale represents a timeless and classic era of rock n roll that has endured through the decades. From a sparkling clean channel, to an overdrive channel capable of bluesy crunches to high-gain overdrives, this amp will deliver a wide range of fantastic tones. Good luck and enjoy the amp!

Sincerely,



Nick Sagona

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 an active 5-pin DIN 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.

⚡ 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.

Features

The Clarksdale is a fixed-biased tube amplifier that uses four (4) 12AX7 preamp tubes. The 60-watt model uses two (2) 6L6 power tubes and one (1) GZ34 rectifier tube. The 120-watt model uses (4) 6L6 power tubes. The features include:

- 2 independent channels with separate EQs
- Bright switch on each channel
- Master volume
- Tube-driven buffered FX loop, bypassable and footswitchable
- FX loop series/parallel switch with send and return controls
- Tube/solid-state rectifier switch (60-watt only)
- Negative feedback selector switch
- Half-power pentode/triode switch
- 3-way output impedance switch (16, 8 or 4 ohm)
- Two (2) 12" Celestion 60-watt 8 ohm Vintage 30 speakers, wired for 16 ohm (stock combo only)
- Birch plywood cabinet with finger-jointed construction
- 2-button footswitch

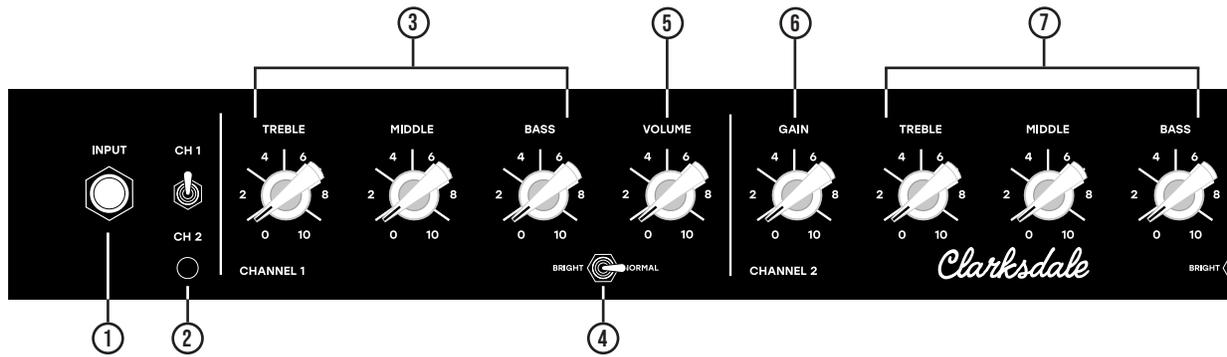
Tube/Solid-State Rectifier Switch (60-Watt Only):

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.

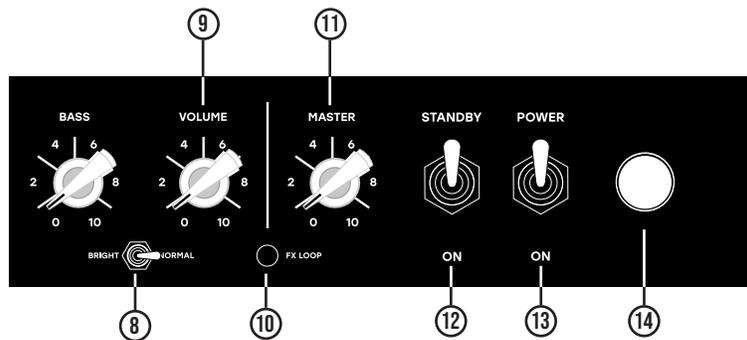
Footswitch Operation:

The footswitch requires the active 5-pin DIN cable to be inserted into the footswitch jack on the rear panel as well as the jack on the footswitch. In order for the footswitch to operate correctly, the corresponding switches on the amp must be set to the OFF position. The left button (orange LED) engages channel 2. The right button (green LED) engages the FX loop.

Front Panel

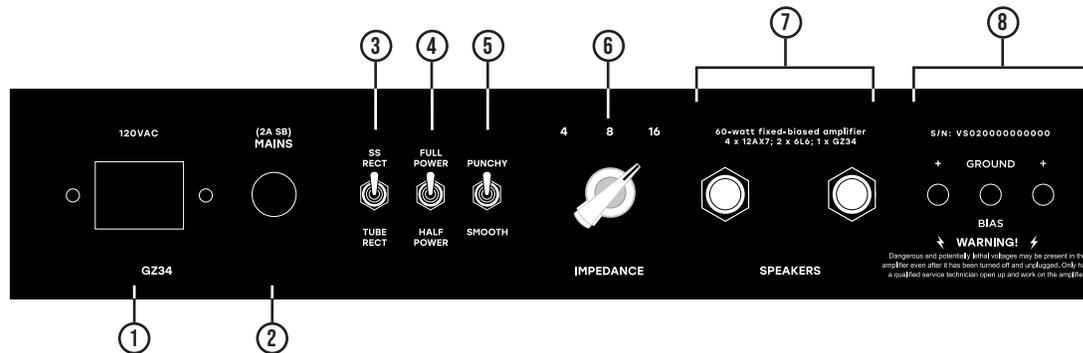


1. **Input Jack** - mono input jack to plug your guitar into.
2. **CH 1 / CH 2 Switch & LED** - switch to change between channels 1 and 2 when not using the footswitch. The LED illuminates when channel 2 is engaged.
3. **Treble, Middle and Bass** - passive equalization controls to adjust the tone of channel 1.
4. **Bright Switch** - switch to engage a slightly brighter tone for channel 1.
5. **Volume** - the overall volume of channel 1.
6. **Gain** - the overall gain of channel 2.
7. **Treble, Middle and Bass** - passive equalization controls to adjust the tone of channel 2.



8. **Bright Switch** - switch to engage a slightly brighter tone for channel 2.
9. **Volume** - the overall volume of channel 2.
10. **FX Loop LED** - illuminates when the FX loop is engaged.
11. **Master** - the overall master volume of the amp.
12. **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.
13. **Power Switch** - turns the amp on.
14. **Pilot Light** - illuminates when the amp is turned on.

Rear Panel



1. **AC Jack** – jack to plug the provided AC cord into.
2. **Fuse Holder** – receptacle for the amp’s main fuse. (There is an additional high voltage fuse inside the amp.)
3. **Solid State/Tube Rectifier Switch** – switch to change between using the tube rectifier or the solid state rectifier.
4. **Full/Half Power Switch** – switch to change the power setting between half and full power. This feature changes the operation of the power tubes between pentode (full) and triode (half.) The amount of power reduction in wattage is approximate.*
5. **Punchy/Smooth Switch** – switch to change the amount of negative feedback injected into the amp.
6. **Impedance Selector Switch** – switch to select the correct impedance of the speaker load hooked up to the amp.
7. **Parallel Speaker Jacks** – mono input jacks to plug the speaker(s) into. PLEASE NOTE: The jacks are in parallel, so if you plug two equal impedance speaker loads into them, you must set the impedance switch to half their impedance. For example, with two 16 ohm speaker loads plugged in, the impedance switch should be set to 8 ohms.
8. **Bias Probes** – test jacks to check the approximate bias point of each power tube in millivolts (mV).**

* Please note, the power reduction in wattage **does not** equate to a 50% reduction in overall loudness (dB.)

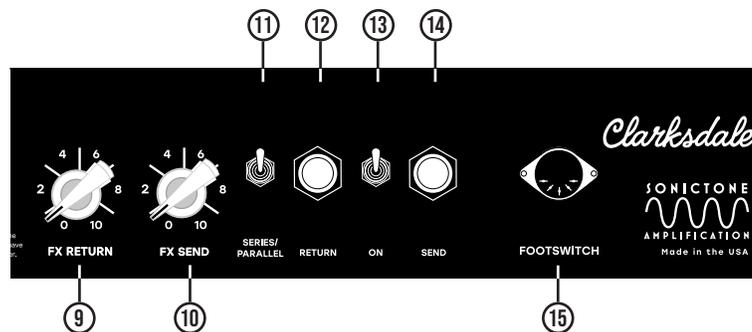
**Important Note About Biasing:

The value given at the bias probes represents the voltage drop across an internal 1 ohm resistor attached to the cathode of each power tube. Using Ohm’s law ($V = IR$), the value in millivolts (mV) can easily be converted to milliamps (mA) to get the approximate cathode current. For example, a reading of 40mV would equal 40mA. Power tube cathode current can act as a set point for adjusting the amplifier’s bias. This is only an approximation to guide you in checking and setting the bias of the amp, as other factors go into calculating an amp’s bias, such as the available plate voltage and max plate dissipation of the power tubes. Before leaving the shop, all SonicTone amplifiers are biased by measuring the plate voltage and plate current, and using those values to properly set the plate dissipation of the power tubes at idle.

The bias pot is located on the top of the amp chassis near the power tubes. As always, please have a qualified technician service the amp and set the bias accordingly. When biasing the amp, all measurements should be performed with the amplifier warmed, set to play mode and with all controls set to zero.

Rear Panel *(continued)*

9. **FX Loop Return Level** - control to adjust the level of the return signal to the amp.
10. **FX Loop Send Level** - control to adjust the level of the send signal to the outboard FX chain.



11. **FX Series/Parallel Switch** - switch to operate the FX loop in either series or parallel mode. In parallel mode, the original signal is allowed to pass through unaffected and the send control acts as a “wet/dry blend” to mix the level of affected signal into the mix with the unaffected signal. In parallel, depending on the amount of “wet” signal set by the send control, the overall signal may be louder due to the dry and wet signals being mixed together. In this scenario, it is recommended to use the return control to balance out the overall volume.
12. **FX Loop Return Jack** - mono input jack for the return FX loop signal.
13. **FX Loop Bypass Switch** - switch to fully bypass the FX loop circuit.
14. **FX Loop Send Jack** - mono input jack for the send FX loop signal.
15. **Footswitch Jack** - 5-pin DIN jack to plug the provided footswitch cable 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 when nothing is plugged into them. Therefore, when the circuit is on, signal will be allowed to pass through the FX loop if nothing is plugged into it. This allows the ability to use the send jack as a “preamp out” signal to feed other power amps. Once a cable is inserted into the return jack, that connection is broken and the loop will accept the incoming return signal only. If the FX loop is not being used, the return control can be used as an additional volume control to reduce the volume when the FX loop is on, and then boost the volume when the FX loop is switched off. This will effectively provide a volume “boost” option.

! 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.

Specifications

Product Series: Vintage Series

Product Model: Clarksdale Head or 2x12 Combo

AC Input & Fuses:

- U.S. Standard IEC jack rated for 120V @ 60Hz
- Slo-blo mains fuse: **60W** - 3A; **120W** - 4A
- Slo-blo high voltage (B+) fuse: **60W** - 0.5A; **120W** - 1A

Tubes & Power Output:

60-watt Model

- Four (4) 12AX7 preamp tubes
- Two (2) 6L6 power tubes
- One (1) GZ34 rectifier tube
- 60W @ 16, 8 or 4 ohms

120-watt Model

- Four (4) 12AX7 preamp tubes
- Four (4) 6L6 power tubes
- 120W @ 16, 8 or 4 ohms

Speakers:

- Two (2) 12-inch 60W 8 ohm Celestion Vintage 30s, wired for 16 ohm (*Stock Combo Only*)

Footswitch:

- 2-button SonicTone footswitch
- 5-pin active DIN cable required for proper operation

Dimensions:

60W Head

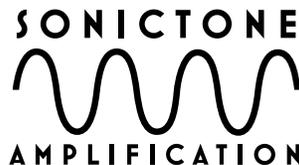
- Width: 30 in
- Height: 10.75 in
- Depth: 9 in
- Weight: 29.5 lbs

120W Head

- Width: 30 in
- Height: 10.75 in
- Depth: 9 in
- Weight: 39.5 lbs

60W 2x12 Combo

- Width: 30 in
- Height: 20.75 in
- Depth: 10 in
- Weight: 55.0 lbs



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Made in the USA