

Oldfield Amplifiers

User Guide

Model Series 64

Congratulations

Welcome to the Oldfield family and thank you for putting your trust in Oldfield Amplifiers. We value that trust as much as you will enjoy your new Oldfield amplifier.

Your new Oldfield amplifier is built to provide you with the best tonal experience and durability available in a guitar amplifier. As with all Oldfields it is hand built with you, the player, as the central focus of our efforts. By using the highest grade components, point-to-point vacuum tube circuitry and fine craftsmanship, your amplifier will inspire many hours of musical satisfaction and lasting enjoyment.

Thanks,

The Oldfield Team

Important Safety Instructions

- For your safety read, retain, and follow all instructions. Heed all warnings.
- Only connect the power supply cord to an earth-grounded AC receptacle. This amplifier is designed to operate on standard North American 115V AC and should only be plugged in to a receptacle meeting those specifications.
- **WARNING:** To prevent damage, fire or shock hazard, do not expose this unit to rain or moisture.
- Unplug the power supply cord before cleaning the unit exterior (use a damp cloth only). Wait until the unit is completely dry before reconnecting it to power.
- Maintain at least 6 inches (15.25 cm) of unobstructed air space behind the unit to allow for proper ventilation and cooling of the unit.
- This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
- This product may be equipped with a polarized plug (one blade wider than the other) or a three-prong grounded plug. This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of this plug.
- Protect the power supply cord from being pinched or abraded.
- This product should only be used with a cart or stand that is recommended by the manufacturer.
- The power supply cord of this product should be unplugged from the outlet when left unused for a long period of time, or during electrical storms.
- This product should be serviced by qualified service personnel when: the power supply cord or the plug has been damaged; or objects have fallen, or liquid has been spilled onto the product; or the product has been exposed to rain; or the product does not appear to operate normally or exhibits a marked change in performance; or the product has been dropped, or the enclosure damaged.
- Do not drip or splash liquids, nor place liquid filled containers on the unit.

- **CAUTION:** No user serviceable parts inside, refer servicing to qualified personnel only.
- Do not expose the circuit of the amplifier under any circumstances.
- **CAUTION:** By nature vacuum tubes get very hot during operation. Do not touch vacuum tubes until they have sufficiently cooled.
- Oldfield amplifiers are capable of producing very high sound pressure levels which may cause temporary or permanent hearing damage. Use care when setting and adjusting volume levels during use.
- Failure to comply with any of these safety precautions could result in damage to the amplifier and in worst cases bodily harm. Noncompliance with any safety precaution may void any stated warranties.

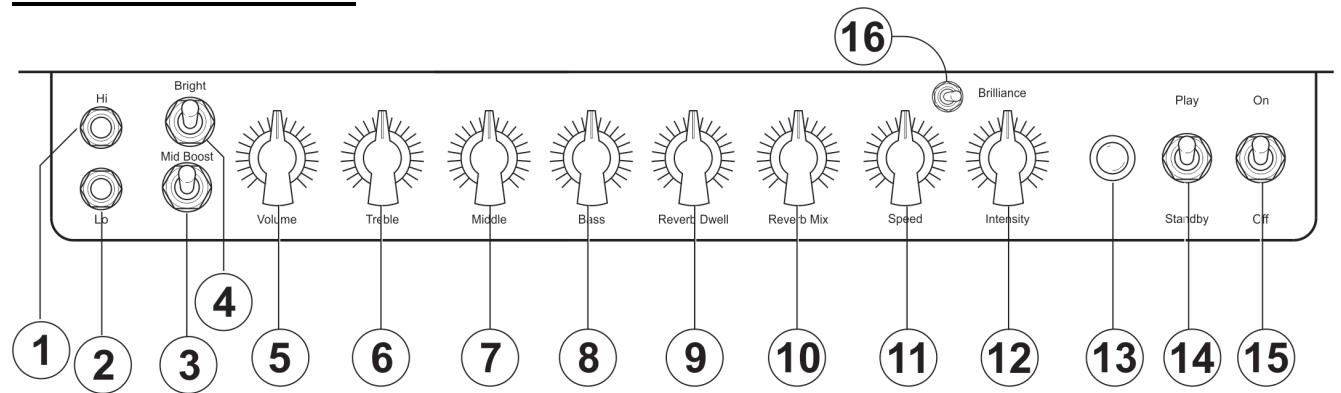
Overview

The Oldfield Series 64 Standard Models are all tube amplifiers that range from 20 watts output to 80 watts output with tube reverb and tremolo. It will provide you with rich warm tones when played clean and all-out cranked tone at higher volumes. As with all Oldfield Amplifiers the Series 64 models are extremely responsive to your attack and guitar volume. Your Oldfield amplifier is built to last a lifetime and will give you countless hours of enjoyment whether on stage, in the studio, or in the home.

Feature summary:

- Two inputs, high and low impedance
- 20 to 80 watts output power into 8Q
- All tube, hand-wired circuitry
- Full power / half power operating modes
- 12AX7 and 12AT7 preamp tubes
- Tube / Solid State rectifier selection (Except 6480 models)
- Four button foot switch
- Reverb and tremolo
- Mid boost
- Brite boost
- Brilliance switch
- Finger-jointed cabinet

Front Controls



1. *Input - Hi*: This is the high impedance input for musical instruments. Use the Hi Input for the highest gain.

2. *Input - Lo*: This is the low impedance input for musical instruments. Use the Lo Input for less volume or higher gain instruments.

3. *Mid Boost Switch*: Switch to the on position to give the amplifier more mid range bite. When this switch is in the on position the amplifier will obtain distortion slightly faster than when the switch is in the off position.

4. *Bright Switch*: Switch to the on position to give the amplifier more top end bite. .

5. *Volume*: This control determines the overall loudness of the amplifier. As the volume control is rotated towards max the amp will become not only louder but rich harmonic overtones will mix with the tone as well.

6. *Treble*: This control determines the amount of treble frequencies present in the amplifier tone. At the max setting the amplifier is at it's brightest. This control also adds a bit of bite to the amplifier as it is turned towards max.

7. *Middle*: This control determines the amount of mid frequencies present in the amplifier tone. The mid control effects are less dramatic than the treble and bass controls and tend to soften the overall amp tone as the control is turned towards the maximum setting. It should also be noted that as the middle control is turned towards the maximum setting the player will notice that the treble and bass controls have less effect on the overall tone.

8. *Bass*: The bass control determines the amount of bass frequencies present in the tone. Turning this control too far towards maximum could result in causing the overall tone to seem too muddy.

9. *Reverb Dwell*: This control determines the gain (strength) of the amplifier reverb.

10. *Reverb Mix*: This control mixes the reverb and the dry signal.

Note - Use the Dwell and the Mix control together to find the reverb sound that works best for you.

10. *Speed*: This controls the speed of the amplifier tremolo. As the speed

control is rotated towards maximum the amplifiers tremolo will speed up.

11. *Intensity:* This control determines the amount tremolo in the amplifier signal.

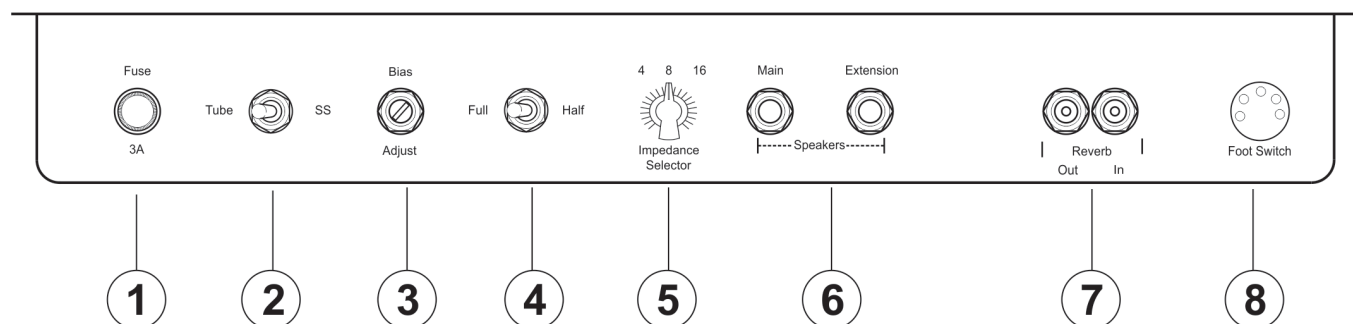
12. *Pilot Light:* Illuminated when the amplifier is on.

13. *Standby:* Switch to On to play through the amplifier. Do not take the amplifier out of Standby for at least 30 seconds after turning the Mains On to give the tubes time to warm up to operating temperature.

14. *Mains:* Switch to On to power on the amplifier.

15. *Brilliance:* Adds just a touch of shimmer to the overall amplifier tone. Center position is off. Right position is some and left is a little bit more. This is a very subtle effect.

Rear Controls



1. **Fuse:** Mains fuse for your amplifier. Replace only with the value stamped on the rear panel. Failure to comply with the recommended value could seriously damage the unit. Repeated fuse failures indicate a series electrical fault with the amplifier and should be addressed by a qualified service technician.

2. **Rectifier Selection Switch:** Use this switch to select between tube rectification and solid state rectification. Tube rectification is a little warmer with a softer attack while the solid state rectifier is a little more aggressive. Place the amplifier in Standby mode before moving the Rectifier Selection switch.

3. **Bias Adjust:** Allows a technician to adjust power output tube bias.

4. **Full/Half Power:** Allows user to select between full and half power output. Do not change power settings unless the amplifier is in Standby Mode.

5. **Impedance Selector:** Set the impedance selector to match the impedance of the attached speakers.

6. **Main Speaker Jack:** Connect the main amplifier speaker to this jack. The amplifier can handle 4, 8 and 16 ohm loads.

7. **External Speaker Jack:** An external speaker can be connected to this jack.

Note - A speaker must be connected to one of the speaker jacks at all times. Failure to do so will result in serious damage to the unit. The combined

speaker load of the main and external speakers should not exceed 4 ohms.

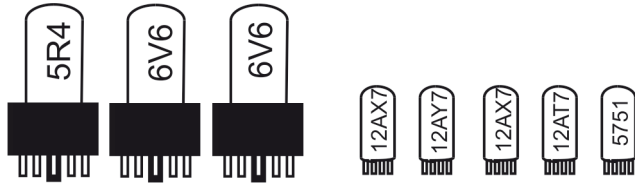
8. *Reverb Out:* Connect the output lead from the reverb tank to this jack.

9. *Reverb In:* Connect the input lead from the reverb tank to this jack.

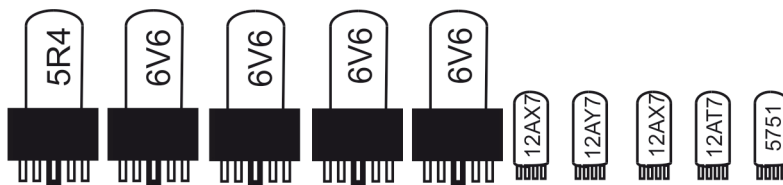
10. *Foot Switch:* Connect the supplied foot switch to the foot switch jack.

Tube Layout

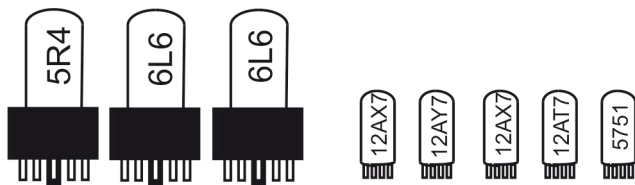
This is the view from the rear of amplifier.



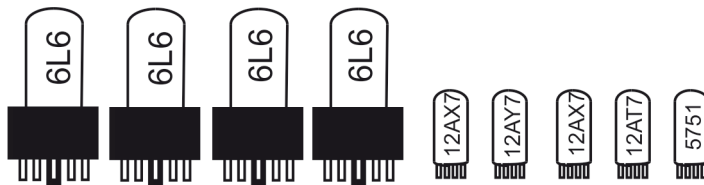
6420 Tube Layout



6435 Tube Layout



6440 Tube Layout



6480 Tube Layout

**** *Please refer to the warnings section before handling tubes.* ****

Biasing: These amplifier use a fixed bias method. Anytime a power tube change is made the bias will need to be set to achieve the best tone possible from your amplifier. Biasing should only be done by a qualified technician.

Warranty

The following warranties apply to the original owner of the amplifier. All warranty work must be performed by Oldfield for the warranty to be in effect. Warranties do not cover normal wear and tear or abuse. Failure to comply with the safety precautions outlined earlier in the owner's manual will void all warranties.

Rectifier and Power Tubes - Guaranteed for thirty days after date of purchase. If a failure occurs Oldfield will replace any rectifier or power tube during this period free of charge. Power tubes can only be replaced by a qualified service technician since a re-bias may be necessary.

Preamplifier Tubes - Guaranteed for ninety days after date of purchase. If a failure occurs Oldfield will replace any preamp tube during this period free of charge.

Power Transformer, Output Transformer, Reverb Transformer, And Choke - These items are guaranteed for ten years after date of purchase against manufacturer's defects. If a failure occurs due to a defect in manufacturing Oldfield will replace any of these items during this period free of charge. Warranties on these items are void if the owner uses any type of power soak or attenuator in conjunction with the operation of the amplifier.

Defects Due To Workmanship - Oldfield guarantees the amplifier to be free from workmanship defects for 5 years from the purchase date.

Circuit Components - Any failed circuit component will be replaced at Oldfield's discretion. Some circuit components have a limited life such as filter and bypass capacitors and Oldfield must use judgment to determine if the component was at end of life or failed prematurely.

In every case Oldfield guarantees to work with the customer to remedy any situation in a timely manner and to the satisfaction of the amplifier owner.

