

Oldfield Amplifiers

User Guide

Model 6736

Thank You

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

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Important Safety Instructions

Δ For your safety read, retain, and follow all instructions. Heed all warnings.

Δ 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.

Δ **WARNING:** To prevent damage, fire or shock hazard, do not expose this unit to rain or moisture.

Δ 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.

Δ 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.

Δ This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.

Δ 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.

Δ Protect the power supply cord from being pinched or abraded.

Δ This product should only be used with a cart or stand that is recommended by the manufacturer.

Δ 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.

Δ 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.

Δ Do not drip or splash liquids, nor place liquid filled containers on the unit.

Δ **CAUTION:** No user serviceable parts inside, refer servicing to qualified personnel only. Do not expose the circuit of the amplifier under any circumstances.

Important Safety Instructions

Δ CAUTION: By nature vacuum tubes get very hot during operation. Do not touch vacuum tubes until they have sufficiently cooled.

Δ 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.

Δ Failure to comply with any of these safety precautions could result in damage to the amplifier and in worst cases bodily harm. Non-compliance with any safety precaution may void any stated warranties.

Overview

Congratulations on your purchase of a new Oldfield 6736 amplifier. The 6736 gets its roots from the legends of the British rock revolution and is well suited for Americana, Blues and Rock players.

This amplifier is all tube and hand-wired using the best quality components available for guitar amplification. It is built to last a lifetime and give the owner countless hours of enjoyment whether on stage, in the studio, or in the home.

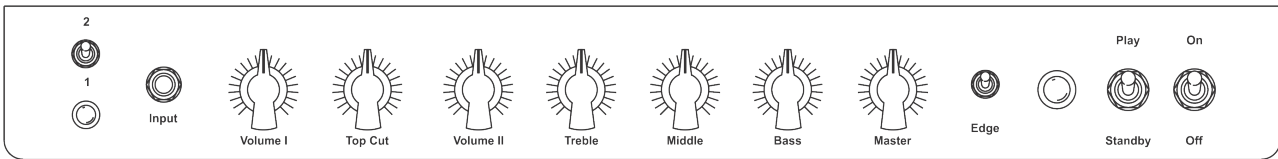
The 6736 has two very distinctly voiced channels. Channel One is voiced a little cleaner and with slightly fuller frequency response than Channel Two. Channel Two falls into distortion faster than Channel One and feels somewhat brighter. Both channels use the complete tone stack and Channel One has its own Top Cut control. Both channels respond very well to adjustments in guitar.

Feature summary:

- Two channels
- 36 watts output power into 8Ω
- All tube, hand-wired circuitry
- (4) EL84 Power Section
- (4) 12AX7 Preamp Section
- 5AR4 Tube / Solid State Selectable Rectifier
- Power Scaling (Option)
- Fully Bypassed Effects Loop (Option)
- Negative Feedback Defeat Switch
- Finger-jointed Cabinet

Front Panel: Controls And Features

(Reference the front panel viewing left to right)



Manual Channel Selector: This switch is used to select either Channel One or Channel Two of the 6736.

(Note: The switch must be in the Channel Two position when operating the amplifier with the footswitch.)

Channel Indicator Light: This light is on when the amplifier is operating in Channel Two mode.

Channel 1 Volume: Controls the gain of Channel One. Rotating the control clockwise will make the Channel One volume louder and increase overall gain and harmonics.

Channel One Top Cut: Rotating the Top Cut control clockwise will “roll off” the high end of Channel One. This control only affects Channel One.

Channel Two Volume: Controls the gain of Channel Two. Rotating the control clockwise will make the Channel Two volume louder and increase overall gain and harmonics.

Treble: Rotating the control clockwise will increase the high end frequency output by the amplifier.

Middle: Rotating the control clockwise will increase the mid frequency output by the amplifier.

Bass: Rotating the control clockwise will increase the low end frequency output by the amplifier.

Master: Rotating the control clockwise will increase the overall volume of the amplifier.

Edge Switch: With the switch in the down position the amp produces a smooth and rich tone. Move the switch to the up position for increased volume and an edgier tone. Make sure the amplifier is in standby mode before changing switch positions. Failure to do so will not harm the amp but will cause an audible “pop” through the speakers.

Indicator Light: On when the mains switch is on.

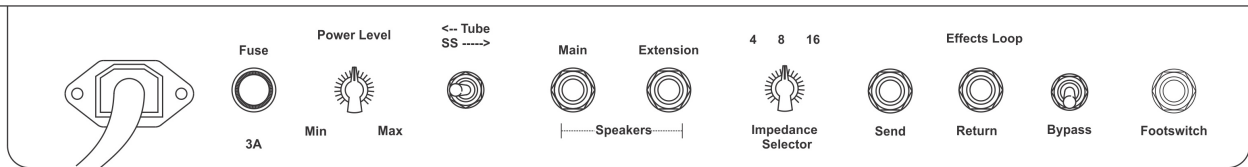
Front Panel: Controls And Features

Standby: Move to the up position for play and down to put the amplifier in standby mode. The standby switch should only be moved to the “Play” position after the Mains switch has been in the “On” position for at least one minute to give the tubes time to warm up.

Mains: Move to the up position to power up the amplifier and down to shut the amplifier completely off.

Rear Panel: Controls And Features

(Reference the rear panel viewing left to right)



Power Cord: Connect to electrical main supply. Your amplifier is designed to operate on 120v AC.

Fuse: Replace only with a 3A slo-blo fuse. Never install a larger fuse than specified. Failure to install the properly rated fuse could result in damage to the amplifier. Fuses provide a critical safeguard for the amplifier and a blown fuse could be an indication of a much bigger problem either with the amplifier or the power source. See a service technician if the amplifier is repeatedly blowing fuses.

Power Level: Control for the Power Scaling feature. When rotated fully clockwise the amplifier will produce the full rated output. As the control is rotated counter-clockwise the input voltage to the amplifier will be reduced and the amplifier will produce less output. There is a limit as to how practical the power can be reduced before the tone will start to fall apart. This limit will be very close to cut-off.

Rectifier Selection Switch: Your amplifier has the ability to operate on either a tube rectifier or from a solid state rectifier. The Rectifier Selection Switch determines the mode of operation. The tube rectifier will be a bit warmer with a softer feel while the solid state will provide the player with a bit more volume and edge. **The amp must be in Standby mode before changing the position of this switch.**

Main And External Speaker Jacks: Connect a speaker to either of these jacks. Both jacks can be used at the same time to drive multiple cabinets. Do not exceed a 4ohm load.

IMPORTANT: A speaker load must be connected to the amplifier at all times during amplifier operation. Failure to do so will result in output transformer failure very quickly and will not be covered under warranty. It is a good practice to get in the habit of listening for normal amp noise as soon as the standby switch is moved into the play position. If no noise is heard the amp should be turned off immediately and speaker connections checked.

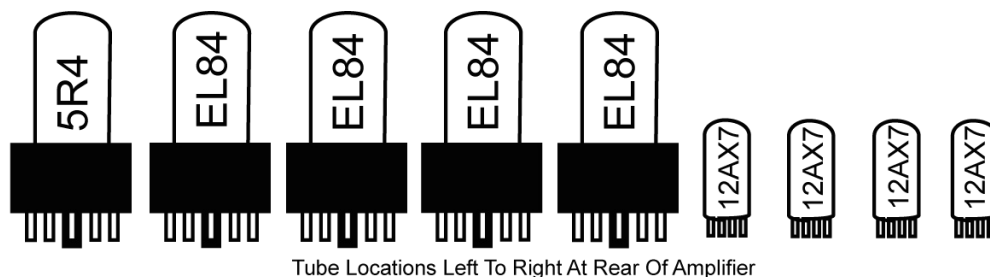
SPEAKER IMPEDENCE SELCTOR: Position the selector switch to match the amplifier speaker load. The amplifier is capable of handling a 4, 8, or 16 ohm load.

Rear Panel: Controls And Features

EFFECTS LOOP: Send / Receive / Bypass switch for the serial effects loop. The bypass switch disables the effects loop.

Footswitch Jack: Connect the channel switching footswitch to this jack.

Tube Layout



RECTIFIER TUBE: 5R4/GZ34. Replace only with high quality 5R4/GZ34 (or compatible) tube.

POWER TUBES: EL84 (x4). Replace only with a high quality matched quad of EL84 tubes. The 6736 is a Class A, cathode biased amplifier and therefore does not need to be re-biased when changing output tubes.

PHASE INVERTER TUBE: Replace with any high quality 12AX7 tube.

CATHODE FOLLOWER TUBE: Replace with any high quality 12AX7 tube.

PER-AMP GAIN TUBE Channel Two: Replace with any high quality 12AX7 tube.

PER-AMP GAIN TUBE Channel One: Replace with any high quality 12AX7 tube.

Warranty

The following warranties apply to the original owner of the amplifier. All warranty work must be performed by Oldfield or an authorized technician 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

Preamp 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 And Choke: These items are guaranteed for five years after date of purchase against manufacturer's defects. If a failure occurs due 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 or fails to connect a speaker load to the amplifier while in operation.

Defects Due To Workmanship: Oldfield guarantees the amplifier to be free from workmanship defects for five years. Tolex and grill cloth are not covered in the warranty.

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.

Operation Tips

1. The 6736 is a cathode biased Class A amplifier. This style of amplifier really benefits from having the master volume turned up to 12 o'clock and beyond. This will open up the amplifier's tone. Adjust the gain controls accordingly.
2. Channel one and channel two are not only voiced differently but their gain structure is also different. Channel one has a wider frequency response so with it's gain control set at the same level as channel two it will be quite a bit louder.
3. When setting up the amp I recommend starting with channel two first. Set the master at about 12 o'clock and the channel two gain at a point where you are getting a typical British rock tone. Adjust the tone controls to your liking. Switch to channel one and set the gain control to match the volume level of channel two. The gain on channel one should be somewhat less than the gain on channel two giving channel one a nice clean and warm tone. Adjust the top cut control to cut any unwanted channel one high end.
4. Obviously there are a ton tonal more options than described above. Experiment.
5. The power scaling feature can be useful but there is a limit to it's effectiveness. Once you get to a certain point in turning the power scaling down the tone will start to fall apart. That is your limit. When turning the power scaling down the decrease in volume is not dramatic through the first half of the control but you will notice the amplifier's tone changing and the amplifier's feel changing. This is a control that requires some experimenting to get the hang of. The 6736 will yield the most pleasing tone with the power scaling set to maximum (fully clockwise).