



VICTORY V50 'The Earl' All Valve 50 Watt Guitar Head



User Guide

Thank you, and congratulations on acquiring a Victory Amplification V50. This amp is proudly designed and built by our committed team of engineers and craftsmen in the UK.

We value simplicity in operation, flexibility in use and absolutely no compromise in tone. Our aim is simple: to create amplifiers that inspire you ever onwards in your playing and never let you down.

SAFETY FIRST

We want you to enjoy your amplifier to the best of its potential. So please...

Before you go any further, take a moment to read these **SAFETY INSTRUCTIONS**

- Read these guidelines & keep them
- Follow all instructions & guidelines
- Do not use this amplifier near water or any other liquid
- Do not block any openings
- Do not attempt to clean the amplifier with any fluids: use only a dry cloth
- Do not attempt to modify or service this product yourself
- Removing covers could mean you are exposed to dangerous voltages that may result in severe injury or death
- Refer all servicing to qualified service personnel
- **Damage Requiring Service:** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - (a) When the power-supply cord or plug is damaged;
 - (b) If liquid has been spilled, or objects have fallen into the product;
 - (c) If the product has been exposed to rain or water;
 - (d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation;
 - (e) If the product has been dropped or damaged in any way;
 - (f) When the product exhibits a distinct change in performance - this indicates a need for service.
- **Replacement Parts:** When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

What's included:

Your new Victory V50 comes with the following:

1 x Latching Footswitch for Channel 1/2 & Boost with indicator LEDs

A mains lead for your country

A heavy duty dust cover

This User Guide

FRONT PANEL



Input

Plug your guitar in here!

Clean Gain

This adjusts the input sensitivity. Use low settings for maximum clean headroom and higher settings when you want to introduce more natural valve overdrive to your tone.

Balancing your input gain level with your master volume level is crucial in delivering the tone and feel that works best for you.

Pull Crunch

The Clean Gain control incorporates a pull-switch. This can be used to introduce more gain into the Clean Channel for Crunchy rhythm playing or just to add a bit more character to the clean sound. The amount of 'Crunch' will vary depending on how much Clean Gain is dialed in.

Channel Select Switch

The V50 has two channels that you can switch between using this front-panel toggle, or a remote footswitch plugged into the Channel/Boost footswitch socket.

The clean channel is selected by switching the selector to the left.

Overdrive Gain

Exactly the same as the clean channel, this controls the input gain... except here there's a whole load more of it! Run it lower for crunchy sounds, in the mid-range for thicker overdrive, and crank it up for the fullest distortion.

Boost

The overdrive channel in the V50 also has a switchable gain boost, which is accessible via the footswitch or front panel toggle switch. It enables you to go from crunchy rhythm guitar to sustaining lead guitar tones.

Bass

The V50 has a shared EQ section for both channels. The Bass controls the low frequency content of your sound. Higher levels of bass can be good at low volumes, but take care when running the amp louder – you may find you need to reduce the bass control. As with all the EQ pots, adjust to taste!

Middle

Controls the midrange frequencies in your sound. Run the middle control higher to help cut through a band mix, or generally fatten and 'widen' your sound. Run it lower for a lighter, less 'in-your-face' kind of sound.

Treble

Controls the high frequency content of your sound and is also a powerful tone shaper when it comes to overdrive character.

Clean Master

Each channel has its own Master Volume control. Use this one to balance the volume level of the clean channel to taste when switching between channels and modes.

Overdrive Master

Use this one to balance the volume level of the overdrive channel to taste when switching between channels and modes.

Clean Reverb

The V50 features a 3-spring Reverb tank with independent reverb controls for each channel. Adjust to taste for the clean channel.

Overdrive Reverb

Use this control to adjust the amount of Reverb on the Overdrive channel.

HIGH – STANDBY – LOW Switch

The V50 should always be switched on, (mains switch on front of amplifier), with this front panel toggle switch in its centre position. The amplifier is now in 'STANDBY' mode with just the valve heaters and low voltages on. This allows the valves to heat up before they get 100s of volts up them, (it's less of a shock). After around 60 seconds, the amp can be switch to either HIGH, (around 50 Watts rms) or LOW, (around 15 Watts rms). To extend valve life, the amplifier can be switched to 'Standby' when not being played.

REAR PANEL



Voltage selector

Selects the correct mains voltage for your territory. Please refer to a qualified technician before even thinking about moving this switch. If you do find yourself in foreign climes where the mains voltage is different to home, (and the water tastes funny), it will be necessary to switch this selector. The mains fuse must always be changed at the same time. Failure to do this will result in either the mains fuse blowing as soon as the amp is turned on or the amp running with a fuse that is of too higher value to provide adequate safety protection. Generally, the fuse value will double if the mains voltage is halved, (i.e. if it's a 2A fuse in the UK @ 230V, it will need to be a 4A fuse for the USA @ 115V).

Always use the correct rating and type of fuse. Victory amplifiers exclusively use UL-approved 20x5mm glass 'T' or 'Timed' fuses. If you have difficulty acquiring the correct fuses, please contact Victory using enquiries@victoryamps.co.uk.

Mains inlet, (IEC Socket)

Please only use the correct mains cord for your territory!

HT fuse

The HT or 'High Tension' fuse protects the high voltage for the valve supply. If this fuse blows, the first step is to replace it with an identical T500mA 20x5mm fuse. The HT fuse may sometimes blow due to 'flash-over' inside an output valve. This is where during the manufacturing process, not all of the gas is removed from the glass envelope and the 'getter' inside the valve, usually made from barium or magnesium oxide, will burn or evaporate these remaining gasses resulting in the common silvered internal surface of the valve. This process, which is more likely to happen with new equipment, draws high current momentarily and can blow the HT fuse. It will rarely cause any damage so just replacing the fuse is sufficient to get the amp running normally again.

However, if the HT fuse blows again, it may indicate a serious valve failure where internal parts of a valve are shorted and in this case the amplifier needs to be checked by a qualified engineer to assess the problem.

Speaker Outputs

PLEASE NOTE: The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock. Terminals labelled as "Speaker Outputs" must be connected to a speaker cabinet of the designated load rating using an un-shielded two conductor cable for speaker use at all times during operation. Never use a guitar cable to connect the amplifier to a speaker as this presents the amplifier with a 'capacitive load'. This can cause instability or oscillation which may seriously damage valves and/or the expensive output transformer.

Never run the amplifier without a load connected or serious damage to the output transformer may occur.

The output transformer in the V50 has 3 separate secondary windings; a 4 Ohm, an 8 Ohm and a 16 Ohm. This makes it easy to connect many different combinations of speakers. There are five speaker output jacks: 2 x 4 ohms, (wired in parallel), 2 x 8 ohms, (wired in parallel) and 1 x 16 ohms.

So here are all the possible combinations:

1. For a single 4 Ohm cabinet, use either of the 4 Ohm sockets.
2. For a single 8 Ohm cabinet, use either of the 8 Ohm sockets.
3. For a single 16 Ohm cabinet, use the 16 Ohm socket.
4. For a pair of 8 Ohm cabinets, use both of the 4 Ohm sockets
5. For a pair of 16 Ohm cabinets, use both of the 8 Ohm sockets.

Effects Loop

The V50 has an effects loop, which is a simple, low impedance, series loop.

The SEND socket is for connection to the input of effects units. On the V50 it is a lower impedance version of the signal that appears at the INPUT. Use the send to connect to floor pedals or rack effects such as Delay, Chorus and Reverb etc. Effects such as Overdrive, Fuzz, Wah Wah and Tuners often give better results plugged into the Instrument Input on the front panel. The Send socket can also be used on its own to send a signal to another amplifier.

The RETURN socket is for connection to the output of effects units. When not used it is internally connected to the SEND, therefore the EFFECTS LOOP can be ignored if not in use. It can also be used as a

small signal 'Slave' input from another amplifier but DO NOT plug an amplifier's speaker output into the Return socket or very bad things will happen.

External switching jacks, (Footswitch sockets)

Channel 1/2 Boost: Connect the supplied 2 way latching footswitch here to change Channels and engage/disengage the overdrive channel Boost function.

Biasing:

Whenever any output valves are changed, the amplifier will need to be re-biased. This must be done by a qualified or competent person as there are lethal voltages inside the V50 and getting killed by a guitar amplifier is a rubbish way to die.

Also take care as valves may still be very hot from use.

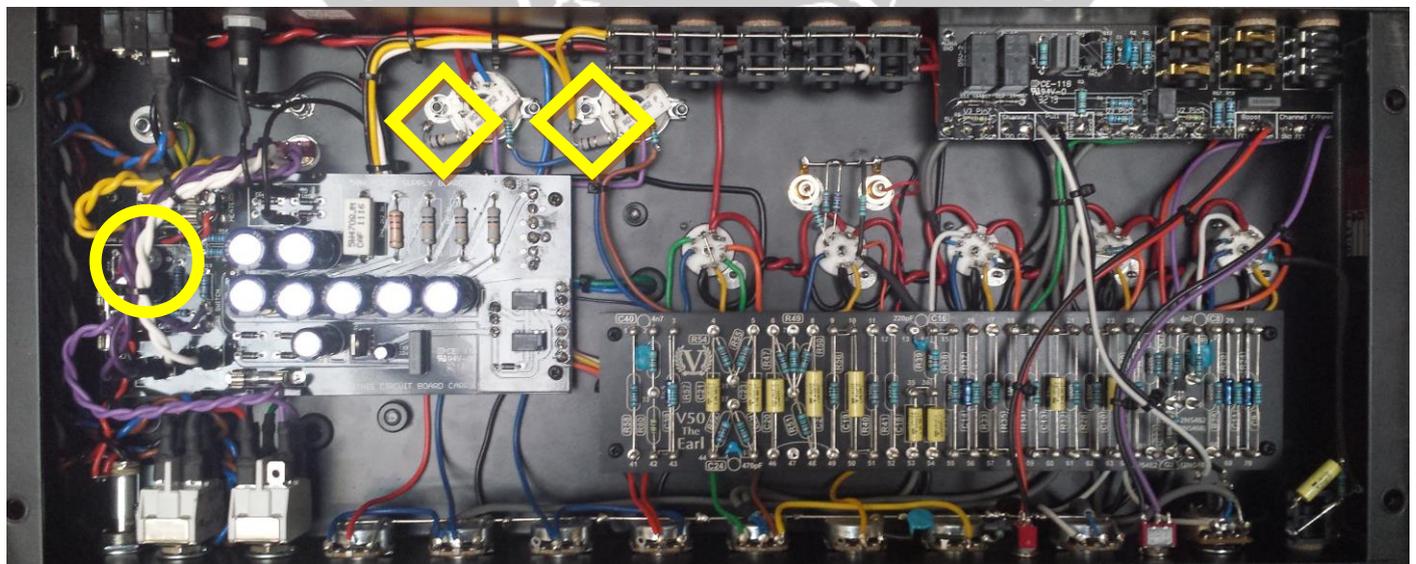
Please always try to buy matched sets of output valves as they will be easier to Bias and give longer service. Ensure the toggle switch on the top of the chassis is in the correct position for the selected output valves, (either 6L6s or EL34s). Toggle towards output valves for 6L6s.

Unplug the V50 from the mains; remove the rear grill and the 4 retaining bolts on the underside.

Carefully slide the chassis from the wooden sleeve and place it on a clear and secure surface upside down so all its soft bits are exposed. Take care not to damage the output valves when turning the amp over.

The BIAS pre-set is found on the power supply PCB, (see yellow circle on photo). The best place to take a Bias voltage measurement is across each one of the two 1 Ohm resistors that are fixed between the chassis and Pins 1&8 on the output valve ceramic bases (see yellow squares on photo).

Using a multimeter set on the 200mV range, measure across each of these resistors in turn and adjust the BIAS preset so the meter reads between 32 and 40mV. This translates into 32-40mA of current per output valve so each valve is biased at between 32 & 40mA, (34mA is a good figure to aim for). Check both resistors a few times and try to balance the Bias voltage so it is as close as possible between the 2 pairs. We don't recommend a difference of greater than 6mV between each valve.



Amplifier Dimensions:

SIZE (mm): 570(w) x 260(h) x 260(d) Unboxed

760(w) x 360(h) x 360(d) Boxed

Weight: 21Kgs Unboxed

23Kgs Boxed

Warranty

All Victory products come with a 5 year limited warranty. This covers any defects in manufacturing or faulty components. Valves and speakers are warrantied for 90 days from the purchase date but replacement parts will be at our discretion. Please contact your local dealer if you have any issues with your Victory product.

A note from Team Victory

We've built your Victory Amplifier as a professional, no-compromise musical instrument, with a great deal of pride and an absolute commitment to tone. We encourage you to learn to get to know it by experimenting with all the controls, in order to discover its vast array of tonal combinations.

Thank you for making your tones with us: we wish you many years of achieving inspiring sounds to push your playing ever onwards.

Now I'll shut up; you go play yer guitar.

Team Victory

Contact info: enquiries@victoryamps.co.uk

Web:

www.victoryamps.co.uk

www.youtube.com/user/VictoryAmps

www.facebook.com/VictoryAmpsUK



VICTORY



Handmade in England