

# Barber ½ Gainer Instruction Manual

Let's get to know the ½ Gainer controls; the on/off footswitch chooses bypass, or engages the ½ gainer, the channel footswitch chooses which channel is selected. Each channel has its own volume and Drive control for independent output level and sustain adjustments. Both channels share the user adjustable internal trim pots, they also share the "midrange character" and tone controls mounted on top of the unit. The sound and function of the ½ Gainer is based on our very popular LTD series.

## **The controls and functions are as follows:**

**V1= Volume** for "green LED" channel.

**V2= Volume** for the "channel LED not lit" channel.

**G1= Sustain/overdrive** for the "green LED" channel.

**G2= Sustain/overdrive** for the "channel LED not lit" channel.

**M= Midrange character.** This control uses a unique dual stack pot to adjust the amount of midrange content, while shaping frequencies around the midrange for best presentation. It is normal to hear a little "noise" while turning this control (DC shift), and the overall level will be slightly reduced at the lowest settings, simply compensate with the V1 and V2 controls.

**T=Tone control,** this is a "balance type" tone control that is centered at 12 o'clock. As you turn the tone control up, the treble increases and the bass slightly reduces, if you turn it counterclockwise, the treble decreases and the bass is slightly increased.

**Internal trim pots-** There are two internal **user adjustable** trim pots inside the ½ Gainer, the white one marked "P" is for presence; its stock position is 1 o'clock. The orange trim pot marked "B" is for bass, its stock position is also 1 o'clock. Feel free to adjust the trim pots to best match your amp/guitar. Use a small screwdriver or the tip of a pointy guitar pick; please do not "force" them.

## **Setup:**

The most common way that guitar players will use the ½ Gainer is, to set one channel (usually the LED not lit) for a mild overdrive sound and an output that is unity (matching audible level) to your clean (bypass) sound, and then set the Green LED channel to a higher gain lead sound with a little more volume. Both channels have exactly the same capabilities for volume, gain and tone. When the Midrange character is set to the lowest counter clockwise setting you get a sound much like the LTD SR, and with the Midrange Character control set to max clockwise, you get a sound much like the LTD v2 with the midrange pushed and thickening the sound of your strings. There are many shades in between that have never been offered on an LTD model before the ½ Gainer.

## **Battery compartment**

The ½ Gainer uses an eccentric pivoting battery clip. To change or install a 9 volt battery simply swing the clip out of the unit by pivoting it (rivet is the pivot) install the battery and swing the clip back in! This is an exclusive Barber feature which holds the battery firmly and is much more durable than the little plastic clips in most effect units.

Power supply should be **9 volts DC negative tip** (*not included*), you can use **18 volts negative tip too**. We do not have any comments about what sound you get with 18 volts, it is there for the "experimenters".

Questions?

Email us at [sales@barberelectronics.com](mailto:sales@barberelectronics.com)

Or call 717-630-9191

Thank you for purchasing the Barber Electronics ½ **Gainer**.