



# Les Paul MODEL ULTRA-III CONTROLS

Epiphone's new Ultra-III is the next leap forward. Starting with the design made famous by the Ultra-II, the Ultra-III still combines the classic electric guitar tone of powerful humbuckers with the acoustic-like NanoMag™ low-impedance pickup system mounted to a strategically chambered body. But, that's where the similarities end. Read on and find out what makes the Ultra-III so unique.

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Bridge Pickup Volume

Neck Pickup Volume

Master Tone

NanoMag Volume  
and A/B Switch

## The NanoMag™ Pickup System

The new NanoMag™ humbucking pickup engineered by Shadow Germany, is the first low-impedance pickup designed with three Samarium Cobalt magnets and active circuitry. The pickup has an ultra wide frequency range while providing noise-free operation. Strategically placed at the end of the fingerboard, it picks up all the frequencies, subtle string nuances and harmonics normally lost with regular magnetic pickups.



## Now Equipped with the new ProBucker™ pickups

These pickups are an inspired version of Gibson's BurstBucker, featuring unevenly wound coils and Alnico-II magnets that replicate that "Patent Applied for" airy tone. You'll love the way they sound!

- 18% Nickel Silver unit bases and covers: This is the same alloy used by Gibson. The use of Nickel Silver reduces the occurrence of eddy currents due to low conductivity and provides a more transparent and crisp output.
- Bobbins manufactured to Gibson specifications and dimensions: The size and shape of bobbins has great impact on tonal response. The bobbins used on these pickups duplicate the size and shape of the gold standard in the industry, Gibson humbuckers.
- Elektrisola magnet wire: The same wire used by Gibson. Single build (*thickness of coating on wire*) high quality magnet wire manufactured to NEMA (National Electrical Manufacturers Association) standards.
- Pole screws and slugs: Manufactured to Gibson specifications using the same metal alloys.
- Magnets: ProBucker pickups feature sand cast Alnico-II magnets, high quality 4 conductor lead wire and are Vacuum Wax potted to eliminate microphonics.

## Mono/Stereo/USB Output Jacks

These jacks use a standard 1/4" instrument cable.

**1 - MONO:** When only this jack is used the signal from the humbuckers and the NanoMag are blended together.

**2 - STEREO:** When this jack is also used, the signal from the humbuckers is output jack #1 (*Magnetic*) and the signal from the NanoMag is output jack #2 (*NanoMag*). A typical "stereo" set-up would be to route jack #1 to an electric guitar amp and jack #2 to a PA or acoustic guitar amp. Effects such as chorus and overdrive can be inserted prior to going into any amplification.

**3 - USB:** Using the supplied USB cable (*or any standard USB cable with the correct connectors*) you can connect your Ultra-III to any USB compatible computer. Using USB compatible software such as Native Instruments™ GuitarRig™ (*supplied on CD*), you can manipulate and play your Ultra-III through your computer. When connected, power is supplied to the guitar via the computer so your battery will not drain. **(See enclosed set-up instructions for USB use with both PC and Mac computers. You must install the necessary drivers and software first.)**



## NanoMag™ Pickup Control Panel



The rear-mounted and active preamp control panel provides further tonal variations of the NanoMag pickup with dedicated Treble, Bass and Gain controls. Also included on the back panel is a 9-volt battery compartment. If you start to experience any kind of NanoMag signal degradation, be sure to insert a new battery.

## Built-In Tuner and A/B Indicator

Your new Ultra-III is equipped with a convenient and accurate chromatic tuner discretely located in the bridge humbucker pickup ring. When one of the output jacks is connected, the tuner is supplied power and LEDs will light but the tuner is not activated. When the far right button is pushed, all LED's will light in succession to indicate that you are in "tuner mode." When tuner mode is activated, all output from the Ultra-III is muted.

The tuner has 7 blue LED's that correspond with A-G notes. There is another LED to indicate if the note is sharp (#).

There are 3 LED's that indicate if the note is "in-tune." The red "L" LED means that the note is too LOW. The red "H" LED means that the note is too HIGH. When the green "T" LED is on, the note is in-tune.

### To tune your guitar:

- Pluck the low-E string and adjust until the "E" LED is lit. Adjust the string pitch (up or down) until only the green "T" LED is on.
- Stop all string noise by dampening the strings with your hand.
- Repeat above on each individual string until all strings are in-tune.

The "tuner mode" button can also be used as a "mute" function. By activating the tuner, you can avoid the loud "pops" when plugging and unplugging your guitar when an amplifier is connected and live.

Also built into the tuner section of the mounting ring are 2 LED's on the far left labeled "A" and "B". These work in conjunction with the push-push A/B knob located on front of the guitar. When you push down the NanoMag Volume & A/B knob you toggle between the two pickup systems as follows. The "A" and "B" LED's let you know what combination you are currently using.

- **A** (red) = NanoMag Only
- **A/B** (red & blue) = NanoMag and Humbuckers
- **B** (blue) = Humbuckers

The A/B function works in either MONO or STEREO output mode.

