

# LP-MV London Power Master Volume Mod

LP-MV is a trade mark of Kevin O'Connor and London Power. The methodology is not limited to the circuits shown within this document. London Power is not liable for damage caused by misinterpretation of these notes or by installation errors.

See TUTs 3 & 4 for information regarding bootstrapped master volume and control methods.

Shielded wiring is recommended.

Nearly all guitar and bass amplifiers use a Schmitt splitter in their power amplifier. The signal from the preamp is brought into one side while the feedback signal is applied to the other. Error comparison, error correction and signal splitting is all carried out within the Schmitt, which is most often also stacked on top of the feedback loop. This presents an electronically precarious situation - a circuit prone to oscillation and subject to layout sensitivities. Traditional pre-PI and post-PI master volumes can introduce further complications and cause unwanted distortions within the Schmitt phase inverter.

The LP-MV uses advanced wiring to embed the master volume within the splitter circuitry. This allows the MV to be transparent in its function and very effective and is simply the best master volume of any conventional type.

