



# TRUE PHANTOM

## Low THD P48 Dual Channel Phantom Power Supply

- Lowers THD on condenser microphones
- Improves headroom and lowers the noise floor
- Your microphone never sounded better

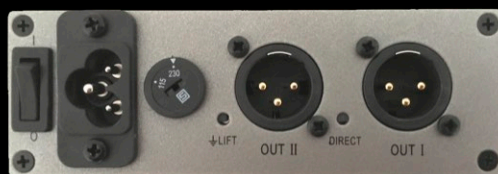
**True Phantom®** is the only real update on the now standard Phantom powering method, the advantages are easily heard and will work with all Phantom powered microphones. Literally “a breath of fresh air”. **True Phantom®** does not affect the frequency response of the microphone but lowers the microphone’s THD significantly, as well as improving the headroom and lowering the noise floor.

For powering condenser microphones, the IEC 61938 Phantom Power supply has been the standard for 50 years. Although being proven technology, there are several disadvantages. The microphone signal, for instance, is not completely available to the microphone pre-amplifier. To the microphone’s circuit, the 6.8kΩ resistor presents a load, this causes distortion and reduces the available signal level. Also, with the IEC 61938 Phantom Power implementation, isolation from the rest of the preamp or mixer circuit is not complete, this can negatively affect noise performance.

**True Phantom®** uses patented technology which overcomes these problems. By replacing the 6.8kΩ resistors with current sources, distortion is reduced - especially the (unpleasant) 3<sup>rd</sup> and 5<sup>th</sup> harmonics. Also, headroom is improved and the noise floor is lowered. **True Phantom®** still complies with the P48 standard.



Front view



Rear view

