



3138 Calle Estepa, Thousand Oaks, CA 91360 www.zestoaudio.com 805-807-1840

## New ESP Supply Specs and Comparison

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(Energy Source Power Supply) We named it the ESP Supply because it anticipates the energy needs of the music.

The new ESP Supply unlocks the true potential of the circuit, so it is at ease and doesn't have to work as hard. It allows more music to flow through with more detail. It also creates a more dynamic presentation, the quiet passages are quieter and louder passages louder.

The sound quality is an improvement throughout the frequency spectrum, so you have better clarity on the bass, midrange and highs evenly.

### Available on three Preamps; Andros II Phonostage, Andros Deluxe II Phonostage and the Leto Ultra II Preamp

#### Difference in IE vs Toroid transformers

|                      | IE design | Toroid   | Effect  |
|----------------------|-----------|----------|---|
| Power transformer    | IE design | Toroid   | Generates significantly less noise and concentrates the magnetic fields |
| High Voltage         | 250V      | 300V     | 17% increase for more headroom  |
| High Voltage Current | 0.1 A     | 0.136 A  | More current means it's less restrictive to deliver more music.         |
| High Voltage Watts   | 25 watts  | 41 watts | 16 watts increase   |
| Low Voltage          | 12.6v     | 12.6v    | No change   |
| Low Voltage Current  | 1.7 A     | 2.5 A    | 0.8 A Filaments warm up quicker   |
| Low Voltage Watts    | 21 watts  | 31 watts | 10 watts increase filaments warm up quicker                             |

#### Difference for each product's performance

| Specs             | Leto Ultra              | Leto Ultra II           | Effect  |
|-------------------|-------------------------|-------------------------|---|
| Dynamic range     | 120 dBV                 | 122 dBV                 | 2 dBV increase; quietest parts are quieter, louder parts are louder       |
| Max output        | 10V RMS= 20dBV          | 13 V RMS= 22 dBV        | increased headroom by 3V allows more musical peaks like trumpet, drums.   |
| Power consumption | 40 Watts                | 30 Watts                | 10 Watts more efficient   |
|                   | <b>Deluxe</b>           | <b>Deluxe II</b>        |   |
| Dynamic range     | 97 dBV                  | 109 dBV                 | 12 dBV increase; quietest parts are quieter, louder parts are louder      |
| Max output        | 7 V RMS = 17 dBV        | 9 V RMS= 19 dBV         | increased headroom by 2V allows more musical peaks like trumpet, drums.   |
| Bass @20Hz        |                         | +1 dB                   | punchier bass   |
| Noise             | - 80 dBv bellow max out | - 90dBv bellow max out  | 10 dBV quieter for darker black levels and better stereo imaging          |
| Power consumption | 40 Watts                | 30 Watts                | 10 Watts more efficient   |
|                   | <b>Andros 1.2</b>       | <b>Andros II</b>        |   |
| Dynamic range     | 90 dBV                  | 96 dBV                  | 6 dBV increase; quietest parts are quieter, louder parts are louder       |
| Max output        | 6 V= 15 dBV             | 8.5 V= 18.6 dBV         | increased headroom by 2.5V allows more musical peaks like trumpet, drums. |
| Bass              |                         | + 1 dB                  | punchier bass   |
| Noise             | - 75 dBv bellow max out | - 80 dBv bellow max out | 5 dBV quieter for darker black levels and better stereo imaging           |
| Power consumption | 34 Watts                | 24 Watts                | 10 Watts more efficient   |