Reflecting the ultimate engineering and highest-quality materials, the Type 85 Direct Box adds nothing and removes nothing from the instrument’s signal. No distortion. No electronic hum or buzz. No loss of dynamic range. It’s the only active direct box that delivers such a clear, strong, warm signal to the console.

Performance
- Transparent signal to the mix board with no added noise or distortion
- Isolates ground buzz between console and amp

Design
- Low profile, compact form factor
- Almost invisible on stage

Durability
- Single-piece extruded case with extra-thick walls
- Internal electronics are molded in a solid epoxy block and fully protected against electrical damage
- Input circuit withstands 220V AC, and static spikes up to 20,000 volts
Type 85 Active Direct Box

Overview
Sleek, compact, and virtually indestructible, the Type 85 Direct Box delivers the purest signal from instrument to console with no added distortion or loss of dynamic range.

Specifications (subject to change)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response</td>
<td>20 Hz - 20 kHz +/- 1 dB</td>
</tr>
<tr>
<td>Noise (shorted input)</td>
<td>.63 μV RMS (-122 dBu) BW ~ 20 kHz</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>9 V battery or .4 mA @ 48 V Phantom</td>
</tr>
<tr>
<td>Input Protection</td>
<td>220 V RMS and 20,000 V static discharges</td>
</tr>
<tr>
<td>Voltage Gain</td>
<td>-10 dB in Pickup mode</td>
</tr>
<tr>
<td></td>
<td>-46 dB in Speaker mode</td>
</tr>
<tr>
<td>RF Filtering</td>
<td>250 kHz Low Pass on input</td>
</tr>
<tr>
<td></td>
<td>30 kHz Low Pass on output</td>
</tr>
<tr>
<td>Distortion</td>
<td>.018% THD @ 1 kHz and 1 V P-P in</td>
</tr>
<tr>
<td></td>
<td>.08% IMD 10 kHz/60 Hz 1 V P-P in</td>
</tr>
<tr>
<td>Input Resistance</td>
<td>10 MΩ in Pickup mode</td>
</tr>
<tr>
<td></td>
<td>(10 times the input resistance of a typical guitar amplifier.)</td>
</tr>
<tr>
<td>Input Capacitance</td>
<td>160 picofarad, equal to two feet of low-capacitance guitar cable.</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1.75 in x 3 in x 5 in (45 mm x 77 mm x 127 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>18.5 oz (.52 kg)</td>
</tr>
</tbody>
</table>

Typical Bass Guitar Setup

Typical Lead Guitar Setup

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Niles, IL 60714-4608 USA
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