

## D10KL

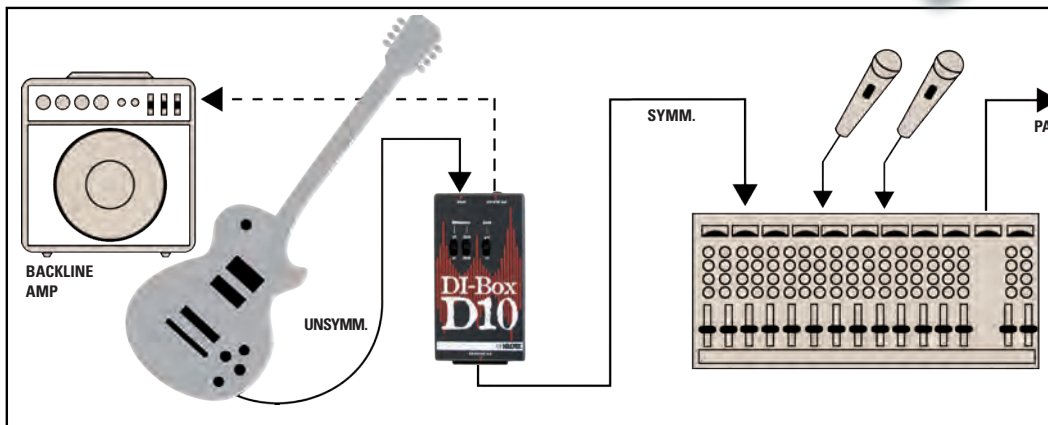
**Passiv DI-Box**  
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A DI box is an interface between unbalanced and balanced signals. Any musician generating an unbalanced signal from an instrument or amplifier needs a DI box to feed the signal directly into the balanced microphone input on a mixer. The „DI“ in the name is short for „Direct Injection“.

The D10KL passive DI box from KLOTZ Cables is ideal for this purpose. It operates with all common signal levels including guitar, keyboard and amplifier. It requires no batteries or power connection and has an ultra-rugged metal housing that easily withstands the rigours of stage routine.

Die DI-Box ist ein Interface zwischen unsymmetrischen und symmetrischen Signalen. Jeder Musiker, der mit seinem Instrument oder Verstärker ein unsymmetrisches Ausgangssignal erzeugt, braucht eine DI-Box, wenn er direkt in den symmetrischen Mikrofoneingang eines Mischpults einspeisen will. „DI“ ist die Abkürzung für „Direct Injection“ (Direkte Einspeisung).

Die KLOTZ Cables passive DI-Box D10KL erfüllt genau diesen Zweck und kommt mit den gängigen Signalpegeln zurecht, ob nun eine Gitarre, ein Keyboard oder ein Verstärker angeschlossen wird. Sie benötigt keine Batterien oder einen sonstigen Stromanschluss und ist in einem extrem stabilen Metallgehäuse untergebracht. So übersteht sie problemlos den harten Bühnenalltag.



### ADDITIONAL FUNCTIONS:

**ATTENUATOR:** a "reducer" enabling input levels on the DI box to be aligned to almost any signal source.

### OFF Mode

Selected when non-amplified (weak) signals, e.g. passive guitar and bass, are used.

### ON / 20dB Mode

For high-level (line) signals, e.g. keyboards, active instruments, effects pedals, tape decks etc.

### ON / 40dB Mode

For fully amplified signals, e.g. amplifier speaker outputs.

### GROUND LIFT – HUM CANCELLING

Hum occurs when two devices, e.g. a mixer and guitar amp, which are operated on differing earth potentials via the PG contacts in power sockets, are additionally connected by the signal cable shields.

### Mode gnd

The GROUNDLIFT switch is a simple but effective method of breaking the circuit that causes the hum.

### Mode lift

The full galvanic isolation achieved is also a significant safety factor.

### Box

**Housing:** extremely solid die casted aluminium frame  
**Size:** L=111 mm; W=60 mm; H=32 mm

### Technical Data

<b>Unbalanced input / output:</b> Unsymmetrischer Ein-/ Ausgang:	<b>6.3 mm jack socket</b> 6,3 mm Klinkenbuchse
<b>Balanced Output:</b> Symmetrischer Ausgang:	<b>XLR 3p. male</b>
<b>Max. input level at Attn. OFF:</b> Max. Eingangspegel bei Attn. OFF:	<b>+10 dBu (2,5 V) / 20 kOhm</b>
<b>Max. input level at Attn. 20:</b> Max. Eingangspegel bei Attn. 20:	<b>+30 dBu (25 V) / 40 kOhm</b>
<b>Max. input level at Attn. 40:</b> Max. Eingangspegel bei Attn. 40:	<b>+50 dBu (250 V) / 40 kOhm</b>
<b>Max. output level:</b> Max. Ausgangspegel:	<b>-10 dBu (250 mV) / 200 Ohm</b>
<b>Frequency response:</b> Frequenzgang:	<b>20 Hz - 20 kHz (+/- 0,5 dB)</b>
<b>Harmonic distortion:</b> Klirrfaktor:	<b>0.3 %</b>

### SIMPLE TO USE:

The unbalanced cable from the instrument or amp output is connected to the input socket of the DI box. Now balanced, the signal is emitted from the **BALANCED OUTPUT**, ready for feeding into the balanced microphone input; it can also be transmitted over long distances, e.g. via a multicore system.

The second jack output (**PARALLEL OUT**) is required if the instrument is used with an additional amplifier as a monitor.

- D10KL DI Box requires no external power source or batteries and is always ready for use.
- D10KL DI Box features dielectric strength of 2500 V in compliance with prevalent safety regulations.
- With its ultra-robust die-cast housing and recessed switches, KLOTZ D10KL can easily withstand the rigors of stage and touring.