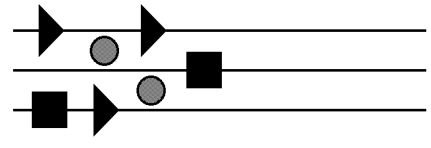




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# PTK

## Phantom-to-A/B Power Converter for Studio Condenser Microphones

The **PTK** is a compact powering converter for direct connection of 12V A/B-, parallel or T-powered microphones to inputs with standard 48V phantom powering.

Parallel powering is no more supported by today's audio equipment, although most microphones built according to this powering method still deliver excellent results. The PTK allows unrestricted further use of these mostly high-priced microphones.

It makes mains-operated units and unsafe battery boxes obsolete, and can be inserted into the microphone line wherever practical.

### Connections

The microphone is connected via a three-pin Minituchel plug. This connector type is compatible with the majority of vintage T-powered studio microphones. Output is 3-pin XLR, according to AES/EBU.

### Technical

The PTK is supplied with 48V phantom power from the subsequent microphone input. After RF-free conversion and filtering, the output voltage is applied to the microphone line according to the DIN/EN specs for 12V Tonaderspeisung.

### Use

The PTK is thoroughly tested with practically all T-powered microphone models by Neumann, Sennheiser and Schoeps and can be used with these microphones right away without restriction. In combination with excessive cable lengths, it is recommended to place the PTK as close to the microphone as feasible., in order to achieve optimum interference rejection.

The PTK is spray water resistant and can be used in virtually any environment. As with microphone powering devices in general, water should be prevented from entering the connectors in order to avoid malfunction.

**IMPORTANT:**

Unlike phantom power, T-power must *never* be applied to a dynamic microphone. Due to the unbalanced voltage distribution on the signal pins, permanent damage to the microphone may result !

**Technical Specifications**

Voltage (output end):	+48V phantom powering DIN/EN 61938
Voltage (input end):	+12V parallel powering DIN/EN 61938
Frequency response:	10Hz...30kHz/-1.5dB @ 600 ohms
Microphone connection::	3-pol Minituchel, thread locked
Signal output:	XLR-3 male (2=+, 3=-, 1=signal ground)
Case:	Cast aluminium, coated
Dimensions:	97x39x32 mm
Weight:	ca.130g

Technical improvements reserved. dre 1/2008