

ACTIVE ELECTRONICS FOR BASS GUITARS

Onboard EQ TCM3 PM

Thank you for purchasing this **NOLLE** electronic accessory.
We are confident that the onboard EQ TCM3 PM will enhance the performance of your instrument. If you have any questions or comments, please contact us:

www.noll-electronic.de

Warning

Installation of the TCM3 PM EQ may require structural modification to the instrument. We strongly recommend that any modifications be performed by a competent repair person. **NOLLE** electronic will be in no way responsible for damages to the instrument, incurred as a result of improper installation.

Description and Features

The TCM3 PM is a compact equalizer whose sealed version allows easy installation and offers a secure insulation. Bass and treble controls are center detented and allows 15dB of boost and cut. The top feature of the TCM3 PM is a concentric midrange control with adjustable frequency range from 280Hz to 1,5KHz. A push-pull volume control provide to switch between active and passive. The center detented balance control allows to blend between two pickups signals. The EQ requires power from a single 9 Volt battery and is combinable with all active and passive pickups. For a extra dynamic range it will runs with 18V also. For easy installation, the unit comes with self adhesive pads.

Installation and Connections

WARNING: The solder pad terminals on the potentiometer are quite fragile and can be easily overheated. Use only a low wattage soldering iron (30 watts max.) to make your wire connections.

The TCM3 PM comes complete prewired to all potentiometers, jack and battery clip and knobs.

- 1.Strip 3/32" (2,4mm) and tin the wire ends of the pickups.**
- 2.Solder the "hot"pickup wires to the solder pads of the balance pot, (see back chematics)**
- 3.Solder braids to the solder pads of Balance Pot or any common ground.**

Specifications

Power consumption	Typ. 0,8mA / 600 h batt. life
Input impedance	1MOhm
Output impedance	10KOhm
Operating Voltage	+9V to +18V
Bass control	+/- 15dB@40Hz
Midrange control	+/- 15dB@280Hz to 1,5KHz
Treble control	+/- 15dB@4,2KHz

Guitars and Basses need to be completely shielded in order to provide the best signal-to-noise ratio and safe operation. We recommend our PROFESSIONAL COPPER FOIL SHIELDING (#S1051) to intercept noise producing electrical signals by conducting the signal to a ground point.

Solder the Balance potentiometer to the pickups

