# RICHTER ELECTRONIC ENGINEERING

Richter Electronic Engineering
Dipl. Ing. Andreas Richter
Friedensstrasse 13 A
63533 Mainhausen

+49 (0)6182 27475
mail@richter-ee.de
www.richter-ee.de

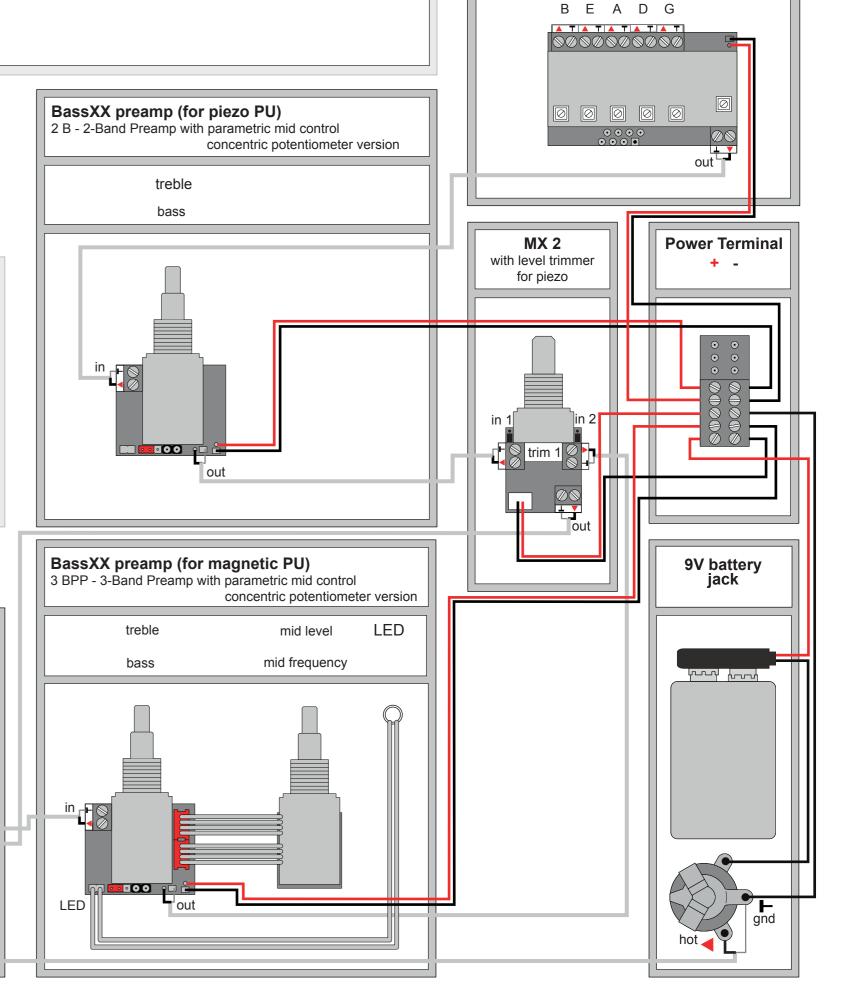## custom electronics for a BassLine Buster CW 5 thinline

This instrument is equipped with Häussel pickups and an ETS MKIII bridge with piezo pickups.
This wiring illustration is an example for a combination of Richter EE modular units.

The Richter Electronics Engineering system for this bass guitar includes two preamps. One for each pickup system and an active mixer. This custom system has no passive switch on the treble pots. An additional volume pot switches between active and passive mode.

| parts | function |
|---|---|
| PPX-5 | 5-channel piezo preamp |
| BassXX preamp 2B | 2band eq for piezo pickup (without volume) |
| MX 2 | mixes both PU systems - with level trimmer for piezo signal |
| BassXX preamp 3BPP | 3band eq with parametric mid control for magnetic PUs |
| blend | blends neck and bridge pickup |
| | (not shown: mini-switch for split bridge PU) |
| volume | master volume with push/pull function for active/passive mode |
| 9V battery and jack | |
| power terminal | |

**PPX-5**
5-channel piezo preamp

B  E  A  D  G

out

**BassXX preamp (for piezo PU)**
2 B - 2-Band Preamp with parametric mid control
concentric potentiometer version

treble

bass

in

out

**MX 2**
with level trimmer
for piezo

in 1     in 2

trim 1

out

**Power Terminal**
+  -

**9V battery jack**

**BassXX preamp (for magnetic PU)**
3 BPP - 3-Band Preamp with parametric mid control
concentric potentiometer version

treble          mid level      LED

bass            mid frequency

in

LED     out

**blend**
neck & bridge PU

PU 1

PU 2

out

**volume**
push/pull
active/passive

in     out

gnd

hot