



Transceiver 2

Universal insert station



The Transceiver 2 is a universal tool both in studio and on stage.

The main function is to convert balanced signals into unbalanced and back again without losing any signal quality.

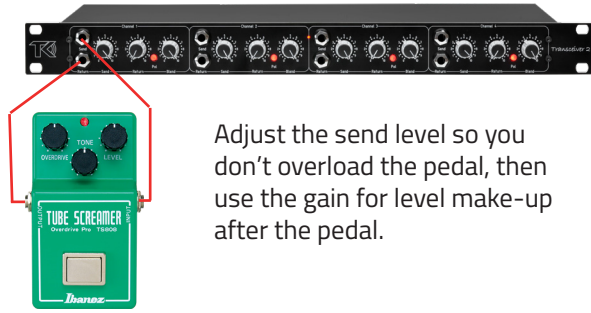
Each channel is equipped with a send level, return gain control, return polarity switch and a blend control. With the new blend function you can choose how much of the inserted effect you want to mix in. The Transceiver 2 is a transformerless balanced design for the best possible signal handling, a flat frequency response, low harmonic distortion and low noise.

Both the balanced output and the unbalanced send has a high driving capability to drive input transformers.

- Insert your unbalanced gear such as guitar pedals and old echo fx into your DAW or console via the Transceiver 2.
- Active Di-box with up to +20dB of gain. Plug your favorite instrument into your collection of vintage gear via the Transceiver 2.
- A re-amping tool.
- A universal tool on stage. Connect balanced gear on stage between your instrument and amp.
- Blend function for the inserted units.

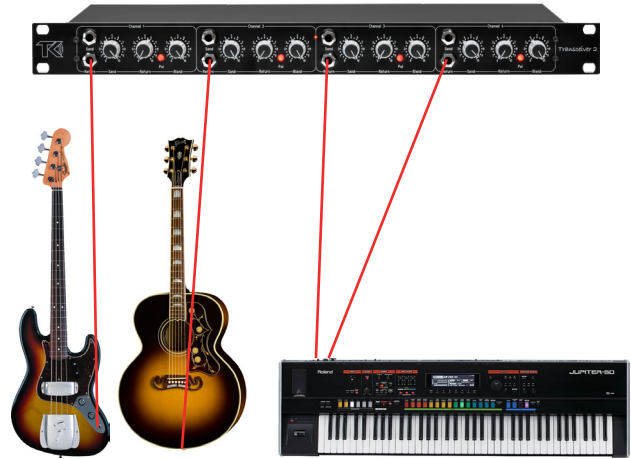


Hook up a guitar pedal



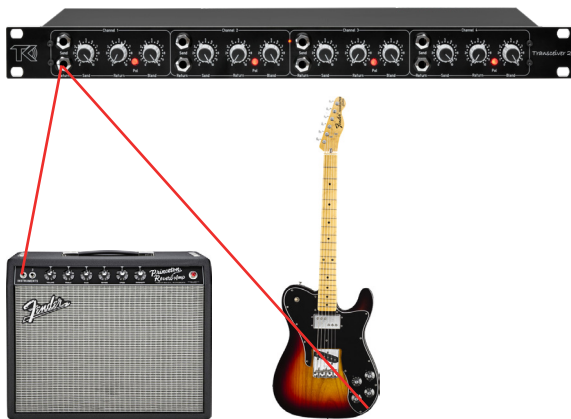
Adjust the send level so you don't overload the pedal, then use the gain for level make-up after the pedal.

Use it as a 4 channel Di-box



Re-amping

1. Hook up your guitar and amp with a "Y" splitter connected to the Transceiver 2 return. Adjust the amp for your wanted sound and use the Transceiver2 gain control to adjust the level of the direct guitar signal that feeds your



2. The guitar signal can also be fed through your DAW and then back to the amp. Lower the send level control and move the cable that feeds the amp to the send output instead. Now adjust the send control so you get the same amp level as you got when the amp was connected to the "Y" splitter. By connecting the amp this way you can recreate the sound from this set-up 100% by feeding the recorded direct signal to the amp again (as long as the amp is the same and controls adjusted the same).

Because of the high input impedance (1 Mohm) it's a perfect Di-box for bass and guitars with passiv pickups. The balanced output can easily drive a 600 ohm transformer balanced preamp input.

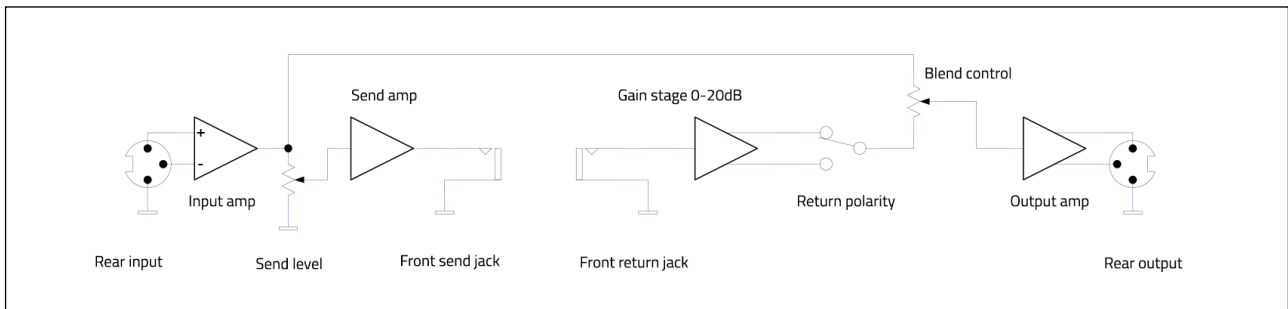
Impedance and level matching

Use your balanced studio gear on stage.



Use it as a Di-box with high driving capability.

Transceiver 2 signal flow



Specifications

Max balanced input: +27dBu

Balanced input impedance: 24kohm

Max unbalanced output: +21dBu

Balanced output impedance: 50ohm

Max unbalanced input: +21dBu

Max balanced output: +27dBu

Return gain: 0-20dB

Return impedance: 1Mohm

THD+N: less than 0,0004%

Frequency response: 20Hz-80Khz +/-0dB

Signal to noise ratio: 100dB

Mains voltage internally selectable between 115v or 230v AC

Power draw: 12VA

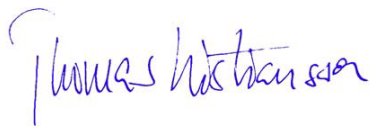
EU - Declaration of conformity / Överensstämmelseintyg

Product

The Transceiver 2
115v - 200mA, anti surge fuse (slow)
230v - 100mA, anti surge fuse (slow)

Manufacturer / Tillverkare

Musikverkstan i Halmstad AB / TK Audio
Falkenbergsgatan 10
30233 Halmstad
Sweden



Thomas Kristiansson, CEO
Halmstad, September 2022

Declaration of conformity

I declare under my sole responsibility that this product, to which this declaration relates, is in conformity with the following standards:

EN55013, EN55020:2002, EN61000-3-2, EN61000-4-2 and EN60065

Following the provision of 73/23/EEC, 89/336/EEC and 93/68/EEC.

Överensstämmelseintyg

Härmed intygas helt på eget ansvar att denna produkt, vilket detta intyg avser, uppfyller följande standarder:

EN55013, EN55020:2002, EN61000-3-2, EN61000-4-2 och EN60065

Följer reglerna 73/23/EEC, 89/336/EEC och 93/68/EEC