# Steel Guitar Black Box

## Connections:

‣ Input Jack - connect instrument here
‣ Output Jack - connect to next device
‣ Tuner Out - connect to electronic tuner (for steel guitar)
‣ IEC power cord jack - connect to AC outlet to turn power ON to the Black Box. Be sure to connect the Black Box's power cord to the same power strip/source as the rest of the setup.

## Vari-Z:

‣ Variable Impedance input control -
    - Steel guitar pickups - treble tone control
    - Piezo acoustic pickups - low bass control
    - Standard electric guitar/bass - set at 100%

## Tube:

‣ Uses 12AX7 (ECC83) type vacuum tube
‣ Tubes without "spiral filament" recommended

⚠️ *WARNING: Before replacing the tube inside, leave the Black Box powered OFF for at least 10 minutes to fully discharge. Remove the 4 chassis cover screws and open. Firmly grip and wiggle the 12AX7 tube out of its socket. When inserting new tube, carefully align the pins and then push and wiggle the tube fully into the socket. Replace cover. Power on and go.*

## Specs:

‣ Input Impedance - Standard Version - 33k-1Meg Ohms
‣ Input Impedance - Upright Bass version: 33k-5MegOhms
‣ Power Consumption - approx 5 watts
‣ Output Impedance - approx 1kOhms