BodyRez

English manual – 2015-07-08

Table of contents

Important safety instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Caution
You are cautioned that any change or modifications not expressly approved in this manual could void your authority to operate this equipment.

Service
All service must be performed by qualified personnel.

Warning
To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

Do not install this device in a confined space.

EMC/EMI
Electromagnetic compatibility/ Electromagnetic interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules.

These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

▶ Reorient or relocate the receiving antenna.
▶ Increase the separation between the equipment and receiver.
▶ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
▶ Consult the dealer or an experienced radio/TV technician for help.

For customers in Canada
This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Explanation of graphic symbols

The lightning bolt triangle is used to alert the user to the presence of uninsulated "dangerous voltages" within the unit's chassis that may be of sufficient magnitude to constitute a risk of electric shock to humans.

The exclamation point triangle is used to alert the user to presence of important operating and service instructions in the literature accompanying the product.

Before you begin

About this manual

Use this manual to learn how to set up and operate your TC product.

To get the most from this manual, please read it from start to finish, or you may miss important information.

This manual is only available as a PDF download from the TC Electronic website.

Of course, you can print this manual, but we encourage you to use the PDF version, which has both internal and external hyperlinks. For example, clicking the logo in the upper left corner of each page will take you back to the table of contents.

To download the most current version of this manual, visit

tcelectronic.com/support/manuals/

Getting support

If you still have questions about the product after reading this manual, please get in touch with TC Support:

tcelectronic.com/support/

Enjoy your TC product!

About this pedal

Thank you for spending your hard-earned money on this TC Electronic product! We have done our best to ensure that it will serve you for many years to come, and we hope that you will enjoy using it.

Acoustic Alchemy

The sound of resonating wood is what gives an acoustic guitar its particular sonic allure – something that doesn't always translate well when you amplify an acoustic instrument using a piezo pick-up system.

Based on the very same unique technology first available in TC-Helicon's Play Acoustic, BodyRez is designed to sweeten the tone of an acoustic guitar's piezo pickup making it sound much more natural and realistic: the way a beautiful full-bodied instrument rightly deserves.

Just like having a sound engineer in a box, BodyRez is housed in a truly simple-to-use and compact pedal that's perfect for every electro-acoustic performer.

Main Features
▶ Studio-quality live acoustic guitar tone
▶ Built-in feedback suppression
▶ Simple to use and ultra-compact design

True Bypass

Here at TC, we have a simple philosophy: When you are using one of our products, you should hear something great – and if you don't, you shouldn't hear it at all. This is why this pedal sports **True Bypass**. When it is bypassed, it is really off and has zero influence on your tone, resulting in optimum clarity and zero loss of high-end.

You will also be delighted to hear *(literally)* that this TC Electronic effect pedal will let your dry, unprocessed sound pass without ever converting it to digital – keeping your original tone pure and without any latency. This feature is called **analog dry-through**.

Setup

Ready…

Your TC Electronic effect pedal box should contain the following items:

► Your TC Electronic effect pedal
► 1 9 V Power supply
► 1 USB cable (Type A to Mini-B)
► 1 TC Electronic sticker
► 1 leaflet about TC's guitar FX product range

Inspect all items for signs of transit damage. In the unlikely event of transit damage, inform the carrier and supplier.

If damage has occurred, keep all packaging, as it can be used as evidence of excessive handling force.

Set…

► Connect the included 9 V power supply to the DC input socket of your TC Electronic effect pedal.
  This product has no battery compartment. A power supply is required for operating this product.
► Plug the power supply into a power outlet.
► Connect your instrument to the in jack on the right side of the pedal using a ¼" jack cable.
► Connect the out jack on the left side of the pedal to your amplifier using a ¼" jack cable.
► Set the Body control to maximum value.

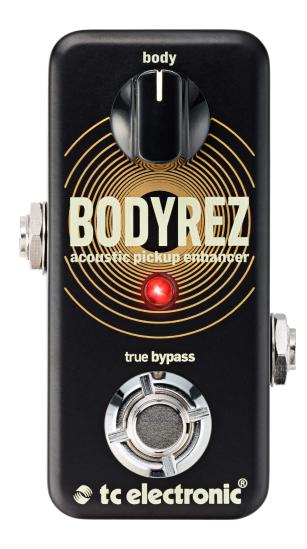# Play!

Inputs, outputs and controls

Switching the effect on and off

To power up your pedal, connect the included power supply to the pedal's power input socket.

Footswitch – standard mode

By default, the footswitch works as follows:
▶ To turn the effect *on,* tap the footswitch.
▶ To turn the effect *off,* tap the footswitch again. When the effect is switched off, the pedal will have zero influence on your tone. For more information, see "True Bypass".
▶ To *mute* the signal from the pedal, press and hold the footswitch.
  While the pedal is muted, the pedal's LED will blink. This is a great feature if you want to switch instruments on stage and want to avoid a giant „POW!" going through the PA.

Footswitch – Phase Control mode

In Phase Control mode, the pedal footswitch is not used to switch the effect on and off, but to reverse the phase of the audio signal. Phase reversal is an effective and easy way to remove low-frequency feedback.

Activating Phase Control mode
▶ Remove the power supply to switch the pedal off.
▶ Press and hold the footswitch.
▶ Power up the pedal again by inserting the power supply while holding down the footswitch.

▶ To reverse the signal phase, tap the footswitch. The pedal's LED will change from red to green.

▶ To return the signal to regular phase, tap the footswitch again. The pedal's LED will change from green to red.

In Phase Control mode, BodyRez is always on. Accordingly, you have to turn the Body control fully counter-clockwise to remove the effect in this mode.

Audio input

The audio input on the right side of this pedal is a standard ¼" jack (mono/TS).

▶ Connect your guitar to the audio input on the right side of your pedal using a regular ¼" mono cable.

Audio output

The audio output on the left side of this pedal is a standard ¼" jack (mono/TS).

▶ Connect the audio output of your pedal to the next device in the signal chain using a regular ¼" mono cable.

USB port

If there should be firmware updates for this pedal, they can be installed using the USB port – see "Updating the firmware".

Body knob

Use the Body knob to specify how much of the BodyRez effect you want to apply. You can set it low for some subtle compression – but to be honest, you should just crank it and bask in the full glory of your lovely acoustic instrument!

Maintenance

Updating the firmware

TC may provide updates for the built-in software of your pedal, the firmware. Updating your TC pedal's firmware requires…

▶ a computer running Microsoft Windows or OS X with a standard USB interface
▶ the specified DC power supply for your pedal.

Preparing the firmware update

▶ Download the newest firmware from the "Support" page for your TC pedal. There are updaters
  – for Microsoft Windows (these are ZIP archives containing the firmware installer) and
  – for OS X (these are disk image files containing the firmware installer).
▶ Unplug all cables (including the power supply) from your TC pedal.
▶ Connect the pedal to your computer using a USB cable.
▶ Press and hold the footswitch on your TC pedal. If your TC pedal has more than one footswitch, press and hold the leftmost footswitch.
▶ Insert the DC power supply plug.
▶ The LED on your pedal should turn green. If your TC pedal has more than one LED, the leftmost LED should turn green. This indicates that the pedal is ready to receive the software update.
▶ Release the footswitch.
▶ Your TC pedal will now be recognized as an updatable device.

Applying the firmware update

▶ Quit all MIDI-related applications (e.g. your DAW) on your computer and launch the firmware updater you have downloaded in step 1.
▶ In the firmware updater app, select your TC pedal from the drop-down list under the "STEP 1" heading.
▶ When the "Update" button under the "STEP 2" heading turns green, click it.

The updated firmware will now be transferred to your TC pedal. Wait for the progress bar to reach 100%. When the update procedure is complete, the pedal will automatically restart.

Links

Support resources

- ▶ **TC Electronic Support:**
  tcelectronic.com/support/

- ▶ **TC Electronic – product software:**
  tcelectronic.com/support/software/

- ▶ **TC Electronic – all product manuals:**
  tcelectronic.com/support/manuals/

- ▶ **TC Electronic user forum:**
  forum.tcelectronic.com/

TC Electronic on…

- ▶ the **web:**
  tcelectronic.com/

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  plus.google.com/+tcelectronic/

- ▶ **Twitter:**
  twitter.com/tcelectronic

- ▶ **YouTube:**
  youtube.com/user/tcelectronic

Technical specifications

Please note that due to continuous development, the following specifications are subject to change without further notice.

Bypass mode	True Bypass
Signal circuitry	Analog dry-through
Dimensions (width x depth x height)	48 x 48 x 93 mm – 1.9 x 1.9 x 3.7"
Input connector	Standard ¼" jack – mono/TS
Output connector	Standard ¼" jack – mono/TS
Power input	Standard 9 V DC, centre negative >100 mA (power supply included)
Input impedance	1 MΩ
Output impedance	100 Ω
USB port	Mini USB connector for software updates