# Shaker Mini Vibrato

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# 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

This manual will help you learn understanding and operating 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.

## Shaker Mini Vibrato

Vibrato is one of those “hard to grasp but oh so important” parts of guitar playing. Just think where Yngwie Malmsteen, BB King or Stevie Ray Vaughan would be without their unique vibrato! It’s what makes us recognize a guitarist after playing two notes. Vibrato is what makes playing come alive. And from a subtle warble to Leslie sounds, Shaker Mini Vibrato does what it can to liven things up!

### Pick your shake flavor

Shaker Mini Vibrato features two different types of settings: a classic true pitch vibrato and “latch mode”, where the effect is only active when you press and hold the switch. This allows for subtle vibrato and faux “whammy bar” effects without you having to tap dance all night.

### Expand your creativity

Vibrato is an effect with a wide range of applications, but it can be tough to figure out which those are if you don’t get a range of sounds, voicings and expressions that knock you off your feet. With Shaker Mini Vibrato, those surprises are always musical, never unpleasant.

### Dippin’ toes to all-in

Shaker Mini Vibrato allows you to decide whether you want to use it as a classical “on/off” effect or in a more subtle way by activating it only when you press down the footswitch.

## 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**.

# TonePrint

This TC Electronic product supports TonePrints. To learn more about TonePrints, go to tcelectronic.com/toneprint/

## What are TonePrints?

When you look at your TC Electronic effect pedal, you'll only see a few knobs. Actually, for some pedals, it's just one knob. So – one knob, one function, right?

Actually, there's a lot more to it than meets the eye.

### Star-tweaked signature sounds

When TC Electronic builds an effect pedal, the relationship between its controls and many parameters "under the hood" are defined by developers, musicians and product specialists who live and breathe sound. This gives you an excellent starting point: a great-sounding pedal with well-balanced controls.

But wouldn't it be cool to have world-famous guitar players – guys like Paul Gilbert, Guthrie Govan, John Petrucci or Steve Vai – virtually rewire your reverb pedal, defining what should happen "behind the scenes"?

And how about doing this yourself?

This is exactly what TonePrint allows you to do.

TC Electronic is working with top guitar players who explore a pedal's hidden tonal potential, redefining the controls and creating their personal TonePrints. And we are making these custom TonePrints available to you. Uploading them to your pedal is really easy (see "Transferring TonePrints to your pedal using the TonePrint app") – and with the amazing TonePrint Editor, you can even create your own signature pedal, tweaked specifically to your liking.

You can change the TonePrint in your pedal as often as you like, and the best part:

It's totally free.

## Transferring TonePrints to your pedal using the TonePrint app

Being able to virtually rewire your TC Electronic effect pedal wouldn't be much use if you needed a lot of extra equipment to do it. This is why we created the TonePrint app. The TonePrint app is free software for popular smartphones that allows you to "beam" new TonePrints right into your effect pedal whenever and wherever you feel like it.

### Obtaining the TonePrint app

If you own an iPhone, you can download the TonePrint app from Apple's App Store.

If you own an Android phone, you will find the TonePrint app on Google Play.

Once you have the app, no additional downloads or in-app purchases are required. You can access all available TonePrints from within the app, and all TonePrints are free.

## Transferring TonePrints to your pedal – step by step

- Launch the TonePrint app on your smartphone.
- Find the TonePrint you want to use. You can browse TonePrints by Artist or Product (i.e., pedal type). You will also find Featured TonePrints.
- Plug your guitar or bass into your TonePrint pedal.
- Turn your TonePrint pedal on.
- Turn up the volume on your instrument and set the pickup selector to one pickup.
- Hold the speaker of your smartphone next to the chosen pickup and touch "Beam to pedal".

# Editing TonePrints with TonePrint Editor

The TonePrint app allows you to use TonePrints created by your favorite guitar and bass players. But this is only the start. Using TC's TonePrint Editor, you can create your very own signature pedal sounds.

## TonePrint Editor features

- Use TonePrint Editor to build your own custom sounds.
- Enjoy complete control over all effect parameters and effect behavior – it's your vision, your sound.
- Customize knob function and knob range to suit your needs and sounds.
- Audition your sonic creations in real-time live – make changes on the fly and listen to results immediately.
- Works with both PC and Mac.

*Last but not least…*

- TonePrint Editor is absolutely **free!**

## Obtaining TonePrint Editor

If you want to use TonePrint Editor for your Windows or OS X computer, download it from

tcelectronic.com/toneprint-editor/

If you want to use TonePrint Editor on your Apple iPad, download it from Apple's App Store.

Please note that version 2.0 or higher of the TonePrint Editor is required for working with TC Electronic Mini pedals. Version 2.0 has a Library function that allows you to access and use TonePrints even without an Internet connection.

## Obtaining the TonePrint Editor manual

Download the TonePrint Editor manual from

tcelectronic.com/toneprint-editor/support/

If you open the manual for TonePrint Editor in Adobe Reader, you can click on interface sections to jump directly to the sections of the manual you are interested in.

# Setup

## Ready…

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

- Your TC Electronic effect pedal
- 2 rubber feet for “non-velcro” pedalboard mounting
- 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 a 9 V power supply with the following symbol 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.
  This product does not come with a power supply.
- 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.

## Play!

# Inputs, outputs and controls

*Shaker Mini Vibrato*

## Power / Switching the effect on and off

### Power input

To power up your pedal, connect a power supply to its power input socket.

The power input socket of your TC Electronic effect pedal is a standard 5.5/2.1 mm DC plug (centre = negative).

Your TC Electronic effect pedal requires a 9 V power supply providing 100 mA or more (not supplied).

To minimize hum, use a power supply with isolated outputs.

## Footswitch

- To turn the effect on, tap the footswitch.
- To turn the effect off, tap the footswitch again.

## Audio in and out

### 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

Use the standard Mini-B USB port on your TC Electronic effect pedal to connect your pedal to a computer. This will allow you to load TonePrints into the pedal or create your own TonePrint using TC's TonePrint Editor. For more information, see "TonePrint".

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

## Effect controls

Please note that the knob assignments on your TC Electronic effect pedal are the *default* assignments. Using the TonePrint Editor, you can rewire all knobs so they control one or several parameters of your choice. For more information, see the TonePrint Editor manual.

### DEPTH knob – Vibrato intensity control

Use the DEPTH knob to control the intensity of the vibrato effect.

### SPEED knob – Vibrato speed control

Use the SPEED knob to determine the time between the frequency of the vibrato, i.e., the time between the "peaks" of the vibrato effect.

### RAMP knob – Vibrato rise time control

Use the RAMP knob to define the time it takes for the vibrato to reach the intensity that you have set using the DEPTH knob. You can use this control to achieve a sound similar to the slowly rising "whirl" of an organ Leslie.

# 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.

# Frequently asked questions

# Frequently asked questions about TonePrint pedals

## “Are TonePrint pedals analog or digital?”

The dry signal of your guitar passes straight through this effect pedal and is in no way digitized. The “wet” signal is just added.

## “Do the TonePrint pedals have balanced or unbalanced inputs/outputs?”

TonePrint pedals have unbalanced inputs and outputs. Use cables with TS jacks (i.e., standard instrument cables).

## “Is it possible to run this TonePrint pedal in the effects loop of a tube amp?”

Yes. All TonePrint pedals have a very wide gain range and are designed to run at both instrument and line level. There are a few amps which are capable of running much hotter than regular +4 dBu line-level signals because of the way their effect loops are designed. With these amps, it might be possible to get the input to clip. But for 99 % of all amps, the TonePrint pedals will work just fine.

For additional information about your TC Electronic TonePrint effect pedal, please go to TC Electronic Support:

tcelectronic.com/support/

# Links

## TonePrint resources

- **TonePrint:**
  tcelectronic.com/toneprint/
- **TonePrint products:**
  tcelectronic.com/toneprint/toneprint-products/
- **TonePrint app:**
  tcelectronic.com/toneprint-app/
- **TonePrint Editor:**
  tcelectronic.com/toneprint-editor/
- **TonePrint Editor manual:**
  tcelectronic.com/toneprint-editor/support/

## 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/
- **Facebook:**
  facebook.com/tcelectronic
- **Google Plus:**
  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 not included) |
| Battery option | - |
| Input impedance | 1 MΩ |
| Output impedance | 100 Ω |
| USB port | Mini USB connector for uploading and editing custom TonePrints and for software updates |