




# Flashback Triple Delay

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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

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/](http://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/](http://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.

## Flashback Triple Delay

There is one thing we keep hearing again and again (*which is probably to be expected when you're dealing with delays...*) from guitar players:

“Your Flashback Delay pedal sounds so good – we’d love to have several of these sweet delay tones running at the same time!”

Well – stop dreaming. The Flashback Triple Delay is here, and it’s ready to rock your socks off!

## The Sonic Multiverse

Have you ever heard a tape echo run through a ping-pong delay and then into a reverse delay? No? Time to try it out! With Flashback Triple Delay, you can go as crazy as your imagination allows. And with the ability to run the three Delay Engines in series or in parallel, you can go from lush divine delays to otherworldly soundscapes in an instant.

## Flashback Triple Delay’s Resume

- ▶ Three independent delay engines
- ▶ 11 different subdivisions
- ▶ Toggle between serial and parallel routing
- ▶ TonePrint®-enabled
- ▶ Tap Tempo
- ▶ 16 Delay Types
- ▶ Analog-Dry-Through
- ▶ Expression pedal input
- ▶ Stereo input and output
- ▶ MIDI-enabled

## 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**.

Sometimes, it is advisable to switch an effect pedal from True Bypass to Buffered Bypass mode. For more information, see [“Switching the pedal from true bypass to buffered bypass mode”](#).

# TonePrint

This TC Electronic product supports TonePrints. To learn more about TonePrints, go to [tcelectronic.com/toneprint/](http://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 [Steve Morse](#), [Guthrie Govan](#), [John Petrucci](#) or [Joe Perry](#) – virtually re-wire your delay 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, re-defining 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/](http://tcelectronic.com/toneprint-editor/)

If you want to use TonePrint Editor on your Apple iPad, download it from Apple’s [App Store](#).

Make sure to always use the most current version of TonePrint Editor.

## Obtaining the TonePrint Editor manual

Download the TonePrint Editor manual from

[tcelectronic.com/toneprint-editor/support/](http://tcelectronic.com/toneprint-editor/support/)

The TonePrint Editor manual describes how to install and use the TonePrint Editor. 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
- ▶ a power supply
- ▶ a USB cable
- ▶ 2 rubber strips 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.

- ▶ Plug the power supply into a power outlet.
- ▶ Connect your instrument to the (Mono) in jack on the pedal using a 1/4" jack cable.
- ▶ Connect the out jack(s) of the pedal to your amplifier using a 1/4" jack cable.

## Play!

# Inputs, outputs and controls



*Flashback Triple Delay – rear*

*Click/tap on user interface elements to jump to the respective sections of the manual.*





Flashback Triple Delay – top

Click/tap on user interface elements to jump to the respective sections of the manual.

## 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 300 mA or more (supplied). You may also use another 9 V or 12 V power supply, as long as it provides 300 mA or more.

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

## Audio in and out

### Audio inputs (stereo)

The audio inputs on the back of this pedal are standard ¼" jacks (mono/TS).

- ▶ If your signal source is mono, connect it to the MONO in jack of the pedal.
- ▶ If your signal source is stereo, connect the cable carrying the left signal component to the MONO IN jack and the cable carrying the right signal component to the STEREO IN jack.

### Audio outputs (stereo)

The audio outputs on the back of this pedal are standard ¼" jacks (mono/TS).

- ▶ If the next device in the signal chain has a mono input (e.g. your amp), connect the MONO OUT jack of TC Electronic effect pedal to the other device's input.
- ▶ If the next device in the signal chain has stereo inputs (e.g. another stereo effect pedal), connect the MONO OUT jack of your TC Electronic effect pedal to the left input and the STEREO OUT jack to the right input of the other device.

## Expression pedal input

You can connect an expression pedal to this delay unit (optional/not included). Once you have connected and configured an expression pedal, you can use it to control one or more of the following parameters:

- ▶ [Delay Time](#)
- ▶ [Delay Feedback](#)
- ▶ [Delay Level](#)

These parameters will be explained later in this manual.

You can define...

- ▶ which *parameter(s)* you want to control with an expression pedal and
- ▶ the *parameter range* to control.

While Flashback Triple Delay has three Delay Engines, the Expression pedal will only control the parameters for the Delay Engine selected with the [Delay 1/2/3 selector switch](#).

## Choosing an expression pedal

For use with this delay unit, you should use a **25 kOhm** linear pot expression pedal.

Please note that a standard guitar volume pedal has a **250 kOhm** logarithmic pot and cannot be used as an expression pedal with this delay unit.

If you already own an expression pedal and you are not sure if you can use it with this delay unit, please ask your local vendor or get in touch with TC Support.

## Assigning delay parameters and parameter ranges to an expression pedal

You can control any combination of the Delay Time, Delay Feedback and Delay Level parameters with an external expression pedal. You can make and store these settings separately for each of the three Delay Engines, and they are stored as part of the [Delay Engine preset](#).

To set up parameters and parameter ranges, proceed as follows:

- ▶ Connect an expression pedal to the Exp Pedal jack.
- ▶ Switch on the delay.
- ▶ Choose a Delay Engine (1, 2 or 3) using the [Delay 1/2/3 selector switch](#). Make sure that this Delay Engine is active – its footswitch should be lit. You may also want to switch off the two other Delay Engines.
- ▶ Set the expression pedal to the maximum position.
- ▶ Set the knobs for the parameters you want to control to the desired maximum values.
- ▶ Set the expression pedal to the minimum position.
- ▶ Set the knobs for the parameters you want to control to the desired minimum values.
- ▶ Press and hold the footswitch for the preset to store these settings.
- ▶ Repeat for the two other Delay Engines if you want to control their parameters with the expression pedal, too.

## Resetting parameters and parameter ranges

To reset the parameters and parameter ranges assigned to a preset, proceed as follows:

- ▶ Connect an expression pedal to the Exp Pedal jack.
- ▶ Switch on the delay.
- ▶ Choose a Delay Engine (1, 2 or 3) using the Delay 1/2/3 selector switch. Make sure that this Delay Engine is active – its footswitch should be lit.
- ▶ Set the expression pedal to the maximum position.
- ▶ Press and hold the footswitch for the preset.

## 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 are firmware updates for this pedal, they can also be installed using the USB port – see [“Updating the firmware”](#).

## MIDI IN / MIDI THRU jacks

These are standard MIDI (Musical Instrument Digital Interface) connectors.

### MIDI In jack

Connect a computer/DAW (or another device generating a MIDI Clock signal) to the MIDI IN jack to control the pedal's delay tempo.

An incoming MIDI Clock signal will override the settings of the pedal's own Delay Time knob. However, the Subdivision Selector knob still defines the actual note values used to generate the delays.

This delay unit is receiving MIDI messages on MIDI channel 1.

## MIDI Thru jack

To forward the incoming MIDI signal to another MIDI-equipped device, connect the MIDI THRU jack of this delay unit to the MIDI Input of another MIDI device.

## 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](#).

Flashback Triple Delay has *one* set of delay controls, but there are *three* independent Delay Engines under the hood. If you find yourself adjusting delay parameters – such as delay time or repeats – and don’t hear a change, you may have set the [Delay 1/2/3 selector switch](#) to an engine that is either switched off or set to a very low MIX setting. Be sure to check the Delay 1/2/3 selector switch before making adjustments.

## Delay type selector

Use the Delay type selector to choose the type of delay you want to work with.

The delay types are described in the [“Delay types”](#) section.

Please note that changing the delay type will immediately cut off the delays you are currently hearing from the respective Delay Engine.

### TIME knob – Delay time control

Use the TIME knob to control the delay time.

Almost all delay types have a delay range of 20 ms to 7000 ms (that's seven seconds). Slap-back ("SLP") has a range from 20 ms to 300 ms.

Please note that the TIME knob and the TAP footswitch control the same parameter – the delay time. When you adjust either one, it overrides the other.

### Delay 1/2/3 selector switch

Use the Delay selector switch to select one of the three Delay Engines.

When you have selected a Delay Engine, you can use the controls to configure this Delay Engine:

- ▶ Delay type selector
- ▶ TIME knob
- ▶ REPEATS knob
- ▶ MIX knob
- ▶ SUBDIV knob

### REPEATS knob – Feedback control

Use the REPEATS knob to set the desired numbers of delay repeats for the delay currently selected with the [Delay 1/2/3 selector switch](#).

Turning the knob to the right will give you more delay repeats.

### MIX knob – Effect level control

Use the MIX knob to control the level of the delay repeats for the delay currently selected with the Delay 1/2/3 selector switch.

The direct, unprocessed signal is always passed at the original level (unity gain). You only change the level of delay repeats by turning the MIX knob.

### Serial/Parallel switch

Use the Serial/Parallel switch to choose the signal path for the three Delay Engines.

#### **Serial setting (top)**

The input signal is fed into Delay Engine 1. The signal from Delay Engine 1 is fed into Delay Engine 2. The signal from Delay Engine 2 is fed into Delay Engine 3. The signal from Delay Engine 3 is sent to the outputs.

#### **Parallel setting (bottom)**

The input signal is fed to the inputs of the three Delay Engines. The signals from the outputs of the three Delay Engines is mixed and sent to the outputs.

Please note that changing the routing of the three Delay Engines can lead to dramatic results. This is especially true if you are using unusual Mix knob settings.

## SUBDIV knob – Subdivision selector knob

Use the Subdiv knob to choose the note intervals that the delay repetitions are based on. Choose from the following values:

- ▶ Dotted quarter notes
- ▶ Quarter notes
- ▶ Quarter note triplets
- ▶ Dotted eighth notes
- ▶ Eighth notes
- ▶ Eighth note triplets
- ▶ Sixteenth notes
- ▶ Dual Delay: Quarter notes and eighth notes
- ▶ Dual Delay: Quarter notes and dotted eighth notes
- ▶ Dual Delay: Dotted eighth notes and eighth notes
- ▶ Dual Delay: Dotted eighth notes and sixteenth notes

## Delay Engine/Preset footswitches (1/2/3)

Use the three Delay Engine footswitches (1, 2 and 3) to switch the three Delay Engines of the Flashback Triple Delay on and off. The three Delay Engines can be activated separately. If an Engine is on, its LED is lit.

Switching a Delay Engine off and on again will also recall the Preset stored for this Engine. This means that when you...

- ▶ change the settings for a Delay Engine without storing them,
  - ▶ switch the Delay Engine off and
  - ▶ switch it on again,
- you will hear the previously stored settings for this Delay Engine. For more information, see [“Storing presets”](#).

## Preset off / Bypass mode

When none of the three footswitch LEDs are lit, the pedal is in bypass mode, and you will only hear the dry, unprocessed signal.

If you have set the internal Kill-Dry dip switch to the “On” position (see [“Kill-dry on/off”](#)), and none of the three footswitch LEDs are lit, no signal will be present at the output.



### Storing presets

When you have changed the settings for one of the three Delay Engines (e.g. its delay time), you may want to store your settings as a preset. You can store the settings for each Delay Engine individually using its footswitch.

To store the setting for a Delay Engine (1, 2 or 3), press and hold its footswitch for circa two seconds.

The footswitch LED will blink green to confirm that the preset has been stored. Storing will mute the delay output for about one second.

### Delay spill-over

The pedal has two bypass modes: True Bypass and Buffered Bypass. Changing the bypass mode is described under [“Switching the pedal from true bypass to buffered bypass mode”](#).

When the pedal is set to True Bypass and you switch off the currently selected preset, the delay will immediately be switched off.

When the pedal is set to Buffered Bypass and you switch off the currently selected preset, the delay will be allowed to fade/“ring out”.

### Preset content

A preset includes all settings of the delay module – including the currently used TonePrint (i.e., if the Delay type selector is set to one of the four TonePrint slots).

If you have attached an external expression pedal, the parameters assigned to this expression pedal are stored as part of the preset as well.

## TAP footswitch

To set the desired delay time, you can tap the TAP footswitch rhythmically. This is an alternative to using the TIME knob.

Simply tap the Tap footswitch a few times in the current song tempo.

The tempo applies to all currently active Delay Engines.

To readjust the tempo when it is a bit off (of course, the drummer is to blame!), just tap the Tap footswitch again in the correct tempo.

Please note that the tempo is defined and indicated on the basis of whatever note value you have selected with the Subdivision Selector knob. If you have set the Subdivision Selector knob to quarter notes and tap the footswitch two times per second, you will hear two delay repeats per second, corresponding to a tempo of 120 BPM. If you now switch the Subdivision Selector knob to Eight notes, you will hear four delay repeats per second. Set the Subdivision Selector knob to different note values for the three Delay Engines to achieve more interesting effects.

Please note that the TIME knob and the TAP footswitch control the same parameter – the delay time. When you adjust either one, it overrides the other.

The TAP footswitch LED will always flash in the tempo of the Delay Engine currently selected with the Delay 1/2/3 Selector switch.

## Delay types

Use the Delay Type Selector to choose the type of delay you want to work with. This pedal offers a wide range of delays – from classic tape delays to the pristine sound of a TC 2290.

## Tape

Who doesn't love the smooth sound of an old tape echo machine? The "Tape" delay makes for an overall great starting point with its mellow and "warbling" sound.

## Tube

This delay type has been tweaked to sound like an old tube tape echo – much like the "Tape" delay, but with a bit more warmth. Use this delay if you want your fans to check the stage for hidden vintage gear...

## Space

It's hard not to like the luscious tape sound of the original Roland® Space Echo\*. The "Space" delay instantly gives you rich echo sounds with a bit of Space Echo\* mojo.

## Analog

This is as close as you can get to the charming nature of an old analog transistor bucket-brigade delay without buying the real thing! With every repeat, you get more of that old-school "fade to grey" vibe.

## Analog w/mod

Take a trip down Memory Lane with this rich and larger-than-life sounding delay. "Analog w/mod" will definitely spice up your sound.

## Reverse

If you've been around for some time, you know the drill: Record a guitar part on tape. Flip the tape over. Play it back. This is a classic effect made famous by guitar legends such as Jimi Hendrix – and although it's kind of "old school", the reverse effect still seems to inspire people to try out new things.

Try this: Turn the Feedback knob all the way up to hear only the reversed signal.

## Dynamic

This is a replica of the legendary Dynamic Delay initially introduced in the renowned TC 2290. The delay's output level is actively altered by the dynamics of the input level. While playing, the delay level is attenuated, and in between phrases the delay level is increased. This allows you to play with a relative large amount of delay without muddying fast riffs.

## 2290

Once upon a time... (i.e., back in 1985) TC Electronic released the 2290 Dynamic Digital Delay. It set the bar for professional delays for years to come and is still held in high regard among delay enthusiasts. Use the "2290" delay for the crispest and cleanest delay you can imagine. This is the standard.

## 2290 w/mod

Take the 2290's pristine sound, send it through three (!) chorus pedals... et voilà. If you're into the sound of The Edge, you don't want to miss this delay.

## Slap

A delay type for all things country – but you can also use this for many other genres. Use this delay to get your rockabilly on. Pay homage to the rich staccato heritage of Brian Setzer, Chet Atkins and Scotty Moore, or use this delay as an alternative to reverb.

## Lofi

Fed up with hi-fi? Try the "Lofi" delay to get that dirty feel. From punk to rock – play around with the knobs, but no matter what you do: It ain't gonna sound "pretty".

## Ping Pong

Like the ball in the eponymous game, the delay repeats jump from left to right (provided you're using both outputs for a stereo signal). The effect is really wide.

Ping Pong is a lot of fun to play around with in stereo – but it sounds great in mono, too.

\* All third party product names mentioned in the context of this manual are trademarks of their respective owners, which are in no way associated or affiliated with TC Electronic. These product names and descriptions are provided for the sole purpose of identifying the products that were studied during product development.

### TonePrint slots 1 to 4

The slots “1”, “2”, “3” and “4” of the Delay Type Selector are “placeholders” for TonePrints. You can load one TonePrint into each of these slots, giving you access to four additional TonePrints.

Using and editing TonePrints is explained in the [“TonePrint”](#) section.

When you choose a delay type, the chosen delay type will “pick up” the current positions of the delay control knobs (for example Delay Time).

# 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 leftmost footswitch on your TC pedal.
- ▶ Insert the DC power supply plug.
- ▶ The leftmost LED on your pedal 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.

## Switching the pedal from true bypass to buffered bypass mode

### True Bypass and Buffered Bypass explained

True Bypass mode is a hard-wire bypass that gives absolutely no coloration of tone when the pedal is bypassed. This is the default mode for your effect pedal.

Using True Bypass on all pedals is a perfect choice in setups with a few pedals and relatively short cables before and after the pedals.

If...

- ▶ you use a long cable between your guitar and the first pedal or
- ▶ if you use many pedals on your board or
- ▶ if you use a long cable from your board to the amp,

...then the best solution will most likely be to set the *first* and the *last* pedal in the signal chain to **Buffered Bypass** mode.

Can you hear the difference between a pedal in True Bypass or Buffered Bypass mode?

Maybe, maybe not – many factors apply: active/passive pick-ups, single coil/humbucker, cable quality, amp impedance and more. We cannot give a single ultimate answer. Use your ears and find the best solution for your setup!

To set the bypass mode, proceed as follows:

- ▶ Disconnect the pedal and turn it on its back.
- ▶ Unscrew the back plate of the pedal and look for the two small dip-switches in the upper left corner.
- ▶ The upper DIP switch (the one closer to the power in jack), switches between True Bypass mode (default) and Buffered Bypass mode.
- ▶ Set the DIP switch to the desired position.
- ▶ Remount the back-plate.

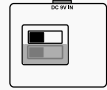
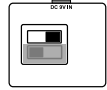
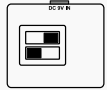
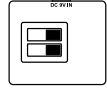
### Kill-dry on/off

When you activate Kill-dry, the direct signal is removed from the pedal's output. Use this mode when you place your TC Electronic effect pedal in a parallel effects loop.

To set Kill-dry mode, proceed as follows:

- ▶ Disconnect the pedal and turn it on its back.
- ▶ Unscrew the back plate of the pedal and look for the two small dip-switches in the upper left corner.
- ▶ The lower DIP switch (the one further away from the power in jack), switches between Kill-dry on and Kill-dry off mode.

You can only remove the dry signal from the signal path if you have selected Buffered Bypass mode using the upper DIP switch – see [“Switching the pedal from true bypass to buffered bypass mode”](#). Kill-dry is not available in True Bypass mode.

True bypass	
Buffered bypass	
Kill-dry off	
Kill-dry on	

# Frequently asked questions



## Frequently asked questions about TonePrint pedals

“Are TonePrint pedals analog or digital?”

Both. The dry, analog signal of your guitar passes straight through this effect pedal and is in no way digitized. The “wet” (digitally processed) signal is 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/](http://tcelectronic.com/support/)

“Does the Flashback Triple Delay have a looper?”

Flashback Triple Delay has no looper. TC Electronic guitar effect pedals with a looper include

- ▶ the [Flashback delay](#)
- ▶ the [Flashback X4 Delay & Looper](#)
- ▶ the [Alter Ego V2 Vintage Echo](#)
- ▶ the [Alter Ego X4 Vintage Echo](#).

# Links

## TonePrint resources

- ▶ TonePrint:  
[tcelectronic.com/toneprint/](http://tcelectronic.com/toneprint/)
- ▶ TonePrint products:  
[tcelectronic.com/toneprint/toneprint-products/](http://tcelectronic.com/toneprint/toneprint-products/)
- ▶ TonePrint app:  
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- ▶ TonePrint Editor manual:  
[tcelectronic.com/toneprint-editor/support/](http://tcelectronic.com/toneprint-editor/support/)

## Support resources

- ▶ TC Electronic service and warranty:  
[tcelectronic.com/support/service-warranty/](http://tcelectronic.com/support/service-warranty/)
- ▶ TC Electronic Support:  
[tcelectronic.com/support/](http://tcelectronic.com/support/)
- ▶ TC Electronic – product software:  
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- ▶ TC Electronic – all product manuals:  
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# Technical specifications

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

Bypass mode	True Bypass (Buffered Bypass optional)
Signal circuitry	Analog dry-through
Dimensions (width x depth x height)	235 x 145 x 57 mm
Input connector	2 Standard ¼" jacks – mono/TS with automatic mono/stereo sensing
Input impedance	1 MΩ
Output connector	2 Standard ¼" jacks – mono/TS with automatic mono/stereo sensing
Output impedance	100 Ω
Expression pedal connector	Standard ¼" jack
Power input	Standard 9 V DC, centre negative >300 mA (power supply included)
MIDI IN + MIDI THRU	Standard 5 Pin DIN connectors
USB port	Mini USB connector for uploading and editing custom TonePrints and for software updates

