SPECTRADRIVE

High-Quality Bass Preamp and Drive Pedal with Built-In TubeDrive and SpectraComp TonePrints
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## Important Safety Instructions

- **ATTENTION:** Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. All other installation or modifications should be performed only by qualified personnel.

- **This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure – voltage that may be sufficient to constitute a risk of shock.**

- **This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.**

- **Caution:** To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside. Refer servicing to qualified personnel.

- **Caution:** To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

- **Caution:** These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock or fire, do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

- **Caution:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- **Caution:** 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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- **Caution:** To protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

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**LIMITED WARRANTY**

For the applicable warranty terms and conditions and additional information regarding MUSIC Tribe Limited Warranty, please see complete details online at musictribe.com/warranty.
1. About this Manual

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.

This manual is available as a PDF download from the TC ELECTRONIC website. Please read this manual in full, or you may miss important information.

Please do not operate your TC device before you have made all connections to external equipment as described in the “2.3 Setting Up” section. In the subsequent sections of the manual, we assume that all connections are made correctly and that you are familiar with the previous sections.

We reserve the right to change the contents of this manual at any time.

To download the most current version of this manual, view the product warranty, and access the growing FAQ database for this product, visit the web page toneprint.com/support/.

2. Introduction

The Spectraline pedal is the ultimate grab-and-go utility for bass players, providing intelligent EQ, multiple outputs and dual TonePrint capability. Whether you’re tracking bass in the studio and want to record dry and ”dry” signal to an amp or mixer.

2.1 Unpacking

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

- Your TC ELECTRONIC effect pedal
- 1 USB cable (Type A to Mini-B)
- 1 TC ELECTRONIC sticker
- 2 rubber feet
- 9 V power supply

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.

2.2 Setting Up

Connect the 9 V power supply with the following symbol to the DC input socket of your TC ELECTRONIC effect pedal.

Connect a standard 1/4” TS cable from the pedal to your amplifier.

Connect a pair of stereo headphones with a 1/4” (3.5 mm)TS plug.

Connect a pair of stereo headphones with a 1/8” (3.5 mm)TRS plug. Adjust the output with the Level knob (when the pedal is engaged).

Connect an XLR cable from this output to a mixing console.

The pedal’s LEDs will blink to acknowledge that the TonePrint has been successfully loaded. TubeDrive TonePrints are signaled on the left LED, and SpectraComp TonePrints on the right.

4. Inputs, Output and Controls

4.1 Power, audio and computer connection

- **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 250 mA or more (included).

- **USB port** – Use the standard Mini-B USB port on your TC ELECTRONIC effect pedal to connect your pedal to a computer. If there should be firmware updates for this pedal, they can be installed using the USB port – see “6.1 Updating the firmware”.

- **LINE-DRIVER OUT** – Connect an XLR cable from this output to a mixing console.

- **GAIN knob** – This switch controls the on/off state of the TubeDrive circuit only. The left LED will light when TubeDrive is active, but the overdrive will only be heard when the pedal is engaged (right LED lit). In bypass mode (right LED off), the dry input signal is passed to the outputs. The Spectraline is equipped with a buffered bypass to ensure a strong, clear signal even when using longer cable runs.

4.3 Effect controls

- **GAIN knob** – This sets the input level as well as the amount of TubeDrive when Drive is engaged.

- **TUBEDRIVE knob** – Adjust the output volume of the TubeDrive circuit in conjunction with the Gain knob.

- **SPECTRACOMP knob** – Adjust the amount of compression from your TonePrint.
LEVEL knob – Adjust the overall output of the pedal with this knob. Use it in conjunction with the Drive and TubeDrive knobs to balance your bypass, active and overdriven tones. The Level knob has no effect when the pedal is bypassed.

BASS knob – Cuts a max of -24 dB at 50 Hz, or boosts up to 24 dB at 80 Hz. Frequencies are unaffected with the knob at the center 12:00 position.

LO MID knob – Cuts a max of -12 dB at 200 Hz, or boosts up to 12 dB at 160 Hz. Frequencies are unaffected with the knob at the center 12:00 position.

HI MID knob – Cuts a max of -18 dB at 630 Hz, or boosts up to 18 dB at 800 Hz. Frequencies are unaffected with the knob at the center 12:00 position.

TREBLE knob – Cuts a max of -24 dB at 1800 Hz, or boosts up to 24 dB at 2800 Hz. Frequencies are unaffected with the knob at the center 12:00 position.

5. Operation

5.1 Connection

Many connection possibilities exist with this pedal, so we’ll show you all the common sources for each input and output. Keep in mind that the Thru jack always carries the dry signal and the Out jack always follows the on/off switching. Only the Line-Driver output can do either (via the Pre/Post switch).

If you are incorporating other effects like chorus or delay, these should ideally go after the SpectraDrive. However, if you are using multiple outputs, those additional effects will only be present on one of the signal paths.

5.2 Signal flow

The signal flow from input to outputs does not follow the physical placement of the knobs. The SpectraComp TonePrint comes first, followed by Gain, TubeDrive, 4-band EQ, and finally the Level control.

As mentioned previously, the Thru jack only carries the dry signal, the Out jack follows the on/off switching of the footswitches, and the Line-Driver jack can operate as a dry output or include the effects.

The Aux input is routed directly to the Phones output and to the Out jack, but is not included in the Thru or Line-Driver outputs. Keep this in mind when playing audio into the Aux jack while also connected to a loud amplifier.

6. Maintenance

6.1 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 updates for Microsoft Windows (these are ZIP archives containing the firmware install) 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 right footswitch on your SpectraDrive pedal.
- Insert the DC power supply plug.
- The right LED on your pedal should turn on. 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.

6.2 TonePrint Reset

Just in case things get messed up beyond simple repair, we have included a TonePrint reset feature that will restore both TonePrint slots to the factory default. This does not affect the firmware, and if the stock TonePrints change with firmware upgrades, those will be considered the new “defaults”.

With the pedal powered off, hold the left footswitch and then insert the DC power supply. Wait 5 seconds, and both LEDs should blink. This confirms the TonePrint reset.
### 8. Specifications

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<td>Bypass mode</td>
<td>Bypassed/Virtualized Bypass</td>
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<tr>
<td>Input connector</td>
<td>1/4&quot; TS, unbalanced, mono</td>
</tr>
<tr>
<td>Impedance</td>
<td>&gt;1 MΩ</td>
</tr>
<tr>
<td>Aux input</td>
<td>1/4&quot; mini-jack (3.5 mm) TRS, stereo</td>
</tr>
<tr>
<td>Output/Thru connectors</td>
<td>2 x 1/4&quot; TS, unbalanced, mono</td>
</tr>
<tr>
<td>Impedance</td>
<td>&lt;200 Ω</td>
</tr>
<tr>
<td>Line Driver</td>
<td>XLR, transformer-balanced low impedance</td>
</tr>
<tr>
<td>Phones output</td>
<td>1/4&quot; mini-jack (3.5 mm) TRS, stereo</td>
</tr>
<tr>
<td>Power input</td>
<td>Standard 9 V DC, centre negative, &gt;250 mA (power supply included)</td>
</tr>
<tr>
<td>USB port</td>
<td>Mini USB connector for firmware updates</td>
</tr>
<tr>
<td>Dimensions (H x W x D)</td>
<td>54 x 113 x 135 mm (2.1 x 4.4 x 5.3&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>580 g (1.28 lbs)</td>
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FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

![FCC logo] TC ELECTRONIC SPECTRADRIVE

Responsible Party Name: MUSIC Tribe Brands UK Ltd.
Address: Klark Industrial Park, Walter Nash Road, Kidderminster, Worcestershire, DY11 7BU United Kingdom
Phone Number: +44 1562 732290

SPECTRADRIVE complies with the FCC rules as mentioned in the following paragraph:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Important information:

Changes or modifications to the equipment not expressly approved by MUSIC Group can void the user’s authority to use the equipment.