TC Electronic

DITTO X4 LOOPER User Manual

TC Electronic Dual-Track Guitar Looper Pedal

1. INTRODUCTION

The TC Electronic DITTO X4 LOOPER is a versatile dual-track guitar looper pedal designed for creating multilayered sonic compositions. It offers intuitive controls, powerful loop effects, and flexible connectivity options for both live performance and studio integration. This manual provides essential information for setting up, operating, and maintaining your DITTO X4 LOOPER.

Image: Top view of the TC Electronic DITTO X4 LOOPER, showcasing its four footswitches and four control knobs.

2. WHAT'S IN THE BOX

Upon unboxing your DITTO X4 LOOPER, please ensure all components are present:

- DITTO X4 LOOPER Pedal
- Power Supply (9V DC, 300mA)
- User Manual (this document)

3. SETUP AND CONNECTIONS

Before operating the DITTO X4 LOOPER, connect it correctly to your audio system and power supply.

3.1. Power Connection

Connect the included 9V DC, 300mA power supply to the 9V DC input jack on the rear of the pedal. Use only the specified power supply to prevent damage.

3.2. Audio Connections

The DITTO X4 supports both mono and stereo operation. Use standard 1/4-inch TS cables for mono connections or TRS cables for stereo connections.

- **Input:** Connect your instrument (guitar, bass, etc.) to the INPUT jacks. Use MONO for a single instrument or STEREO for two instruments/stereo signal.
- **Output:** Connect the OUTPUT jacks to your amplifier, mixer, or audio interface. Use MONO for a single output or STEREO for a stereo output.

3.3. MIDI Connections

The DITTO X4 features MIDI In and MIDI Thru ports for synchronization with other MIDI-compatible devices, such as drum machines or sequencers. This allows for precise timing of your loops.

3.4. USB Connection

A USB port is provided for connecting the pedal to a computer. This allows for loading and exporting loops (MP3 or WAV files) and for firmware updates.

Image: Rear panel connections of the DITTO X4 LOOPER.

4. Controls and Functions

The DITTO X4 LOOPER features a straightforward control layout for intuitive operation.

Image: Angled view of the DITTO X4 LOOPER's top panel, highlighting the footswitches and knobs.

4.1. Footswitches

- **LOOP 1:** Controls recording, playback, and overdubbing for Loop 1.
- **LOOP 2:** Controls recording, playback, and overdubbing for Loop 2.
- **STOP:** Stops playback of active loops. Hold to delete loops.
- **FX:** Activates and deactivates the selected loop effect.

4.2. Control Knobs

- **LOOP 1 Level:** Adjusts the playback volume of Loop 1.
- **LOOP 2 Level:** Adjusts the playback volume of Loop 2.
- **DECAY:** Controls the rate at which older layers of a loop fade out when new layers are overdubbed. Fully clockwise for infinite overdubbing, counter-clockwise for faster decay.
- **FX (Effects Selector):** Selects one of the seven built-in loop effects.

4.3. Toggle Switches

- **SERIAL/SYNC:** Toggles between Serial mode (loops play one after another) and Sync mode (loops play simultaneously).
- **STORE / BACKING TRACK LEVEL:** This switch has dual functions. Flip up once to store the current loop. Hold up to delete the stored loop. When pushed down, it allows the Loop 1 and Loop 2 level knobs to control the level of pre-loaded backing tracks.

5. OPERATING MODES

The DITTO X4 offers two primary operating modes for its dual loops:

5.1. Serial Mode

In Serial mode, Loop 1 and Loop 2 function independently. When one loop is playing, activating the other loop will stop the first and start the second. This is ideal for creating verse/chorus structures or distinct song sections.

5.2. Sync Mode

In Sync mode, both Loop 1 and Loop 2 play simultaneously. This allows for layering complex arrangements, such as a rhythm guitar loop on Loop 1 and a lead melody or bassline on Loop 2, all playing in perfect synchronization. The pedal automatically quantizes new recordings to the existing loop's tempo.

6. LOOP EFFECTS (FX)

The FX knob allows you to select and apply one of seven creative loop effects to your active loops. Press the FX footswitch to engage or disengage the selected effect.
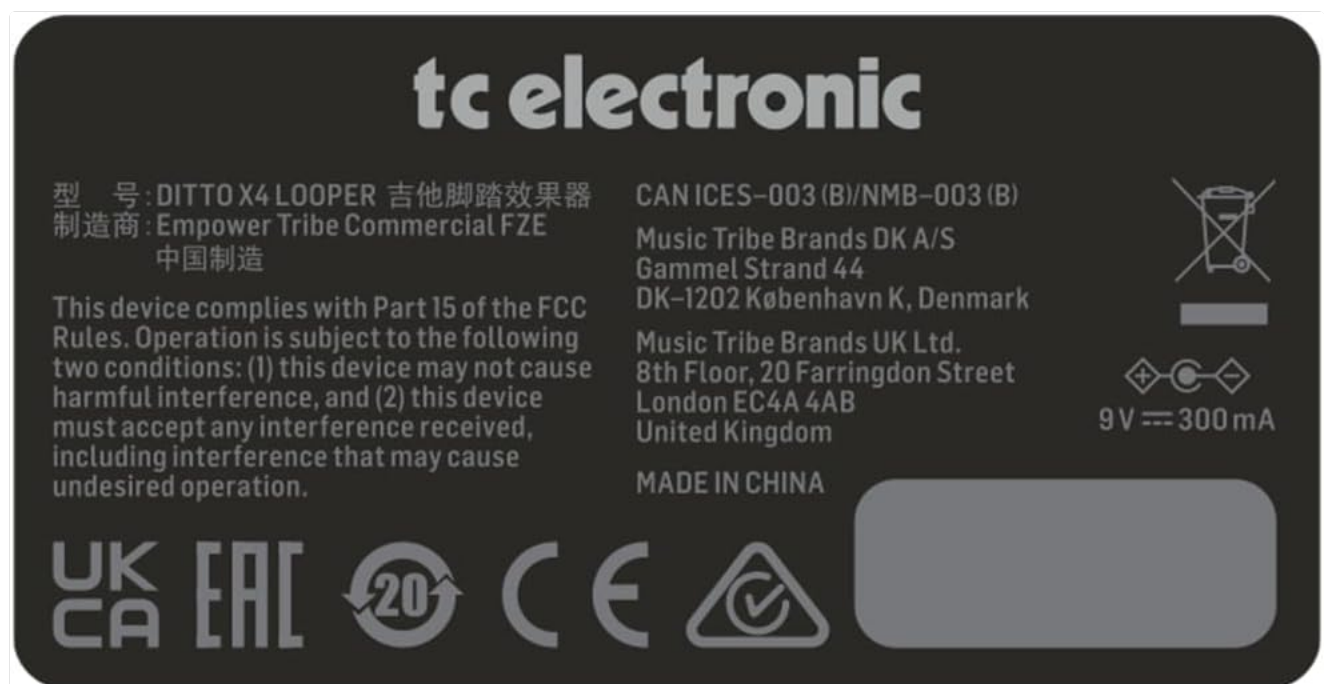

Image: Close-up of the FX knob, showing the various effect options.

- **Tape Stop:** Simulates the sound of a tape recorder slowing down to a halt.
- **Once:** Plays the loop only once before stopping.
- **Half:** Plays the loop at half speed.
- **Reverse:** Plays the loop backward.
- **Hold:** Sustains the current loop indefinitely.
- **Double:** Plays the loop at double speed.
- **Fade:** Gradually fades out the loop.

7. BACKING TRACKS AND USB FUNCTIONALITY

The DITTO X4 allows you to import pre-recorded backing tracks via its USB connection. This feature is useful for practicing, performing with pre-arranged parts, or expanding your creative possibilities.

7.1. Loading Backing Tracks

Connect the DITTO X4 to your computer using a USB cable. The pedal will appear as a mass storage device. You can then drag and drop MP3 or WAV audio files into the designated loop folders (Loop 1 or Loop 2). The 'STORE / BACKING TRACK LEVEL' switch allows you to adjust the volume of these pre-loaded tracks using the Loop 1 and Loop 2 level knobs.

7.2. Firmware Updates

Periodically check the TC Electronic website for firmware updates. These updates can improve performance, add new features, or resolve issues. Firmware updates are typically performed by connecting the pedal via USB and following the instructions provided by TC Electronic.

8. MIDI SYNCHRONIZATION

For advanced users, the DITTO X4 can be synchronized with external MIDI devices. This ensures that your loops remain perfectly in time with other instruments or software.

- **MIDI In:** Connect a MIDI cable from your master MIDI device (e.g., drum machine, DAW interface) to the MIDI In port of the DITTO X4. This allows the looper to receive MIDI clock and control messages.
- **MIDI Thru:** The MIDI Thru port passes incoming MIDI data directly to another MIDI device, allowing you to daisy-chain multiple devices without signal degradation.

Refer to the detailed official user manual (PDF) for in-depth MIDI implementation details and configuration options, including dip switch settings for MIDI behavior.

9. TECHNICAL SPECIFICATIONS

Feature	Specification
Item Weight	2.42 pounds (1.1 Kilograms)
Product Dimensions	13 x 7 x 4 inches
Country of Origin	China
Model Number	000-DE902-00010
Batteries	1 9V battery required (for internal memory, not operation)
Hardware Interface	USB, MIDI
Signal Format	Analog
Power Source	Corded Electric (9V DC, 300mA)

Feature	Specification
Loop Time	Up to 5 minutes per loop track
Bypass	True Bypass and Analog Dry Through

10. TROUBLESHOOTING

If you encounter issues with your DITTO X4 LOOPER, try the following steps:

- **No Power:** Ensure the correct 9V DC, 300mA power supply is securely connected to a working power outlet.
- **No Sound:** Check all audio cable connections. Ensure your instrument and amplifier are working correctly. Verify the Loop Level knobs are not set to minimum.
- **Looping Issues:** Ensure you are pressing the footswitches correctly for record/play/overdub. Refer to Section 4 for detailed operation.
- **MIDI Sync Problems:** Verify MIDI cable connections and ensure your master MIDI device is sending clock signals. Check the dip switch settings on the rear of the pedal for correct MIDI configuration.
- **Unwanted Decay:** Adjust the DECAY knob clockwise for infinite overdubbing.
- **Effects Not Working:** Ensure the FX footswitch is engaged and the FX knob is set to a desired effect.

For persistent issues, consult the official user manual (PDF) or contact TC Electronic support.

11. MAINTENANCE

To ensure the longevity and optimal performance of your DITTO X4 LOOPER:

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid abrasive cleaners or solvents.
- **Storage:** Store the pedal in a cool, dry place away from direct sunlight and extreme temperatures.
- **Protection:** When transporting, use a padded case to protect the pedal from physical damage.

12. WARRANTY AND SUPPORT

TC Electronic products are designed for reliability and performance. For detailed warranty information, product registration, and technical support, please visit the official TC Electronic website or refer to the comprehensive user manual (PDF) provided with your product.
You can also visit the TC Electronic Store on Amazon for more products and information.