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TC Electronic IMPULSE IR LOADER

TC Electronic Impulse IR Loader User Manual

Model: IMPULSE IR LOADER

1. PRODUCT OVERVIEW

The TC Electronic Impulse IR Loader is a compact and powerful pedal designed to bring authentic cabinet simulation and Impulse Response (IR) loading capabilities to your guitar rig. It comes pre-loaded with a selection of high-quality IRs and offers ample space for users to load their own custom IRs, providing versatile tone-shaping options for both live performance and studio recording.

This device features a robust design with intuitive controls, allowing for easy navigation and selection of IRs. It supports IRs up to 200ms in length and includes an A/B mode for quick switching between two different IRs.





Figure 1: Front view of the TC Electronic Impulse IR Loader, showcasing its compact size, display screen, control knob, and footswitch.

2. KEY FEATURES

- Cab sim and IR loader with 25 built-in IR and 74 empty slots for loading your own.
- Comes pre-loaded out of the box with 12 of the most popular official Celestion speaker cab IRs.
- 8 TC Electronic Pedal Platform IRs transform your pedalboard into a DI ready guitar rig.
- 5 acoustic guitar IRs to transform your piezo pickup from dull to full.
- Super-simple controls: output level, next IR, previous IR.
- Supports IRs up to 200ms.
- A/B mode for quick switching between two selected IRs.

3. SETUP

3.1. Power Connection

The Impulse IR Loader requires a standard 9V DC power supply (not included). Connect the power supply to the 9V DC input jack on the pedal. Ensure the power supply meets the correct voltage and current requirements to prevent damage to the unit.

3.2. Audio Connections

Connect your instrument (e.g., guitar, bass) to the **INPUT** jack on the pedal using a standard 1/4-inch instrument cable. Connect the **OUTPUT** jack of the Impulse IR Loader to your amplifier, audio interface, or mixing console using another 1/4-inch instrument cable.



Figure 2: Angled view of the Impulse IR Loader showing input and output jacks, ready for connection.

3.3. USB Connection for IR Loading

To load custom Impulse Responses, connect the pedal to your computer using the provided USB cable. The pedal will

appear as a mass storage device, allowing you to drag and drop IR files into the designated folders. Refer to the official TC Electronic website for detailed instructions on supported IR formats and the loading process.

4. OPERATING INSTRUCTIONS

4.1. Powering On/Off

Once the power supply is connected, the unit will power on automatically. There is no dedicated power switch. Disconnect the power supply to turn off the unit.

4.2. Navigating IRs

Use the **NEXT IR** and **PREVIOUS IR** buttons (located on the top left and right of the display) to cycle through the available Impulse Responses. The display will show the current IR number and name.



Figure 3: Close-up of the Impulse IR Loader's display, showing the current IR selection and navigation buttons.

4.3. Adjusting Output Level

The large rotary knob on the top of the pedal controls the overall output level. Rotate clockwise to increase the volume and counter-clockwise to decrease it. This allows you to match the output level to your amplifier or recording setup.

4.4. A/B Mode

The Impulse IR Loader features an A/B mode for quick switching between two pre-selected IRs. Consult the full product manual or TC Electronic's support resources for specific instructions on how to assign and activate A/B mode.



Figure 4: The Impulse IR Loader displaying "A/B MODE", indicating the ability to switch between two different IRs.

4.5. EQ Settings

The pedal offers basic EQ adjustments to fine-tune the sound of the loaded IRs. Accessing and adjusting these settings typically involves a combination of button presses and knob rotations. Refer to the detailed online manual for specific EQ control procedures.



Figure 5: The Impulse IR Loader's display showing an EQ adjustment, indicating the pedal's tone-shaping capabilities.

5. MAINTENANCE

5.1. Cleaning

To clean the unit, use a soft, dry cloth. Do not use abrasive cleaners, solvents, or waxes, as these may damage the finish or internal components. Ensure the unit is disconnected from power before cleaning.

5.2. Storage

When not in use for extended periods, store the Impulse IR Loader in a cool, dry place away from direct sunlight and extreme temperatures. It is recommended to keep the original packaging for protection during storage or transport.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Incorrect cable connections, no power, output level too low, faulty cable.	Check all audio cables are securely connected to the correct input/output jacks. Ensure the power supply is properly connected and functioning. Increase the output level knob on the pedal. Test with different cables to rule out faulty ones.
Cannot load IRs via USB.	Incorrect USB cable, driver issues, incorrect file format.	Use the original USB cable or a high-quality data USB cable. Ensure your computer recognizes the pedal as a mass storage device. Verify that the IR files are in a supported format (e.g., WAV, 24-bit/48kHz). Try a different USB port on your computer.

Problem	Possible Cause	Solution
Sound is distorted or noisy.	Input signal too hot, faulty power supply, ground loop.	Reduce the input signal level from your instrument or preceding pedals. Ensure you are using a regulated 9V DC power supply. Try isolating the power supply or using a ground loop isolator if necessary.

7. SPECIFICATIONS

Feature	Detail
Model Name	IMPULSE IR LOADER
Dimensions (L x W x H)	3.66 x 2.01 x 1.97 inches
Item Weight	7.1 ounces (200 Grams)
Power Source	Electric (9V DC)
Hardware Interface	1/4-inch Audio, USB
Signal Format	Analog
IR Slots	25 built-in, 74 empty (total 99)
Max IR Length	200ms

8. WARRANTY AND SUPPORT

8.1. Warranty Information

TC Electronic products are covered by a limited warranty. For detailed information regarding warranty terms, conditions, and registration, please visit the official TC Electronic website or refer to the warranty card included with your product.

8.2. Technical Support

For technical assistance, troubleshooting, or further inquiries, please contact TC Electronic customer support. You can find contact information and a comprehensive FAQ section on their official website: www.tcelectronic.com/support. Additionally, you may find useful resources and community forums by visiting the TC Electronic Store on Amazon: TC Electronic Amazon Store.