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TC Electronic NR-1 Nova Reverb

TC Electronic NR-1 Nova Reverb Guitar Pedal User Manual

Model: NR-1 Nova Reverb

1. INTRODUCTION

The TC Electronic NR-1 Nova Reverb is a high-quality digital stereo reverb pedal designed for guitarists. It offers a range of studio-grade reverb effects in a compact, floor-based unit. This manual provides essential information for setting up, operating, and maintaining your Nova Reverb pedal to ensure optimal performance and longevity.

2. IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions thoroughly before operating the device.
- Keep these instructions for future reference.
- Heed all warnings on the product and in this manual.
- Do not use this apparatus near water or moisture.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods.
- 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.

3. PRODUCT OVERVIEW

The NR-1 Nova Reverb features a robust design with intuitive controls for shaping your reverb sound. It offers five distinct reverb types, each with multiple sub-categories, and includes TC Electronic's unique DynaMix dynamic ducking reverb technology.

Key Features:

- Two switchable settings: Manual and Preset.
- Five studio-quality digital stereo reverb types.
- DynaMix - dynamic ducking reverb for enhanced clarity.



Figure 1: Angled view of the TC Electronic NR-1 Nova Reverb pedal, showcasing its robust enclosure and control layout. This image provides a general perspective of the unit's physical design.

4. CONTROLS AND CONNECTIONS

Familiarize yourself with the various controls and connection points on your Nova Reverb pedal.



Figure 2: Top-down view of the NR-1 Nova Reverb pedal, highlighting the control knobs, buttons, and footswitches. This perspective is useful for identifying and understanding the function of each control element.

4.1. Top Panel Controls

- **Decay Knob:** Adjusts the length of the reverb tail.
- **Pre-Delay Knob:** Controls the time before the reverb effect begins, creating a sense of space.
- **Color Knob:** Shapes the tonal character of the reverb, from bright to dark.
- **Dynamic Mix Level Knob:** Adjusts the blend of the dry and wet signals, especially when DynaMix is active.
- **Algorithm Select Buttons:** Five buttons (Room, Spring, Hall, Plate, Specials) to select the main reverb type. Each button has associated LEDs indicating sub-categories (e.g., small, medium, large for Room).
- **Manual Footswitch:** Toggles between the currently set manual parameters and the stored preset.
- **Preset Footswitch:** Activates the stored preset. Hold to store current settings as a preset.



Figure 3: Side view of the NR-1 Nova Reverb pedal, illustrating the input and output jacks. This view is important for understanding how to connect the pedal within an audio signal chain.

4.2. Rear Panel Connections

- **Input L (Mono) / R:** Audio input jacks for connecting your guitar or other instruments. Use L (Mono) for mono input.
- **Output L (Mono) / R:** Audio output jacks for connecting to your amplifier or other audio equipment. Use L (Mono) for mono output.
- **Power Input:** Connect the appropriate 9V DC power supply here.

5. SETUP

Follow these steps to set up your Nova Reverb pedal:

1. **Power Connection:** Connect a 9V DC power supply (center negative) to the Power Input jack on the rear panel. Ensure the power supply meets the specified voltage and polarity requirements.
2. **Audio Input:** Connect your guitar or the output of another effect pedal to the Input L (Mono) jack. For stereo operation, connect to both Input L and R.
3. **Audio Output:** Connect the Output L (Mono) jack to your amplifier's input or the next pedal in your signal chain. For stereo output, connect both Output L and R to your stereo amplifier setup or mixer.
4. **Power On:** Once all connections are secure, connect the power supply to a wall outlet. The pedal will power on.

6. OPERATING THE NOVA REVERB

The Nova Reverb offers both a Manual mode for real-time adjustments and a Preset mode for recalling saved settings.

6.1. Manual Mode

In Manual mode, the pedal responds directly to the physical positions of the knobs. To enter Manual mode, press

the "Manual" footswitch. The LED above the "Manual" footswitch will illuminate.

- **Selecting Reverb Type:** Press one of the five Algorithm Select buttons (Room, Spring, Hall, Plate, Specials) to choose a main reverb type.
- **Selecting Sub-Category:** Each main reverb type has multiple sub-categories. Repeatedly press the selected Algorithm Select button to cycle through its sub-categories, indicated by the small LEDs above the button. For example, for "Room" you can select "small", "medium", or "large".
- **Adjusting Parameters:** Use the Decay, Pre-Delay, Color, and Dynamic Mix Level knobs to fine-tune your reverb sound.

6.2. Preset Mode

The Nova Reverb allows you to save one custom preset. To enter Preset mode, press the "Preset" footswitch. The LED above the "Preset" footswitch will illuminate, and the pedal will recall the last saved preset.

- **Saving a Preset:**
 - a. Set your desired reverb type and parameters using the knobs and Algorithm Select buttons in Manual mode.
 - b. Hold down the "Preset" footswitch for approximately 2 seconds until the LED above it flashes, indicating the preset has been saved.
- **Recalling a Preset:** Simply press the "Preset" footswitch.

6.3. Reverb Types and Sub-Categories

The Nova Reverb offers a versatile palette of reverb sounds:

- **Room:** Simulates the acoustics of various room sizes (small, medium, large).
- **Spring:** Emulates classic spring reverb tanks (plain, classic, vintage).
- **Hall:** Creates the expansive sound of large halls (small, medium, church, classic, concert).
- **Plate:** Reproduces the smooth, dense sound of plate reverbs (tin, silver, gold).
- **Specials:** Unique and experimental reverb effects (stomp, amb, mod).

6.4. DynaMix Feature

DynaMix is a dynamic ducking reverb feature. When active, the reverb level will automatically decrease when you play, allowing your dry guitar signal to cut through clearly. When you stop playing, the reverb tail will swell back up. This helps prevent your playing from being washed out by the reverb. The Dynamic Mix Level knob controls the intensity of this effect.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid abrasive cleaners or solvents, which can damage the finish.
- **Storage:** When not in use for extended periods, store the pedal in a cool, dry place away from direct sunlight and extreme temperatures. Disconnect the power supply.
- **Footswitches and Knobs:** Periodically check footswitches and knobs for smooth operation. Avoid excessive force.

8. TROUBLESHOOTING

If you encounter issues with your Nova Reverb, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound or weak signal	Incorrect cable connections, faulty cables, incorrect power supply, pedal bypassed.	<ul style="list-style-type: none"> ◦ Check all audio cables for secure connection and functionality. ◦ Ensure the correct 9V DC power supply is connected and functioning. ◦ Verify the pedal is engaged (not in true bypass if applicable, or check footswitch status).
Unexpected or no reverb effect	Knobs set to minimum, incorrect reverb type selected, pedal in Preset mode with an undesirable preset.	<ul style="list-style-type: none"> ◦ Check Decay, Pre-Delay, Color, and Dynamic Mix Level knob positions. ◦ Ensure an Algorithm Select button is pressed and its sub-category LED is active. ◦ Switch to Manual mode to verify knob settings directly.
Hum or noise	Ground loop, faulty power supply, interference from other electronics.	<ul style="list-style-type: none"> ◦ Try a different power outlet or isolated power supply. ◦ Ensure all cables are shielded and in good condition. ◦ Move the pedal away from other electronic devices that may cause interference.

If these steps do not resolve your issue, please contact TC Electronic customer support.

9. SPECIFICATIONS

Feature	Detail
Model	NR-1 Nova Reverb
Item Weight	1.68 pounds (approx. 0.76 kg)
Product Dimensions	4.92 x 4.92 x 2.16 inches (approx. 12.5 x 12.5 x 5.5 cm)
Signal Format	Analog (input/output), Digital (effects processing)
Voltage	9 Volts DC (center negative)
Color	Black
Date First Available	April 13, 2004

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please visit the official TC Electronic website or contact their customer support directly. Keep your purchase receipt as proof of purchase for any warranty claims.

TC Electronic Official Website: www.tcelectronic.com

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