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› [Roland](#) /

› [Roland TD-12 Percussion Sound V-Drum Electronic Module Instruction Manual](#)

Roland TD-12

Roland TD-12 Percussion Sound V-Drum Electronic Module

Instruction Manual

Model: TD-12 | Brand: Roland

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Roland TD-12 Percussion Sound V-Drum Electronic Module. Please read this manual thoroughly before using the unit to ensure safe and optimal performance.

The Roland TD-12 module offers professional-quality sound, featuring COSM modeling for realistic drum and cymbal expression. It includes a large, icon-based LCD for intuitive operation and a robust chassis designed for reliability. With a dozen trigger inputs and multiple audio outputs, it is a versatile core for your electronic drum setup.

2. IMPORTANT SAFETY INFORMATION

- **Power Supply:** Use only the specified AC adapter. Do not use any other power adapter.
- **Placement:** Place the unit on a stable, level surface. Avoid locations exposed to direct sunlight, extreme temperatures, humidity, or excessive dust.
- **Ventilation:** Ensure proper ventilation. Do not block ventilation openings.
- **Liquid and Foreign Objects:** Do not allow liquids or foreign objects to enter the unit. If this occurs, immediately disconnect the power and contact Roland service.
- **Servicing:** Do not attempt to repair the unit yourself. Refer all servicing to qualified service personnel.

3. SETUP AND CONNECTIONS

Before connecting any cables, ensure the power to all devices is turned off. This prevents damage to your equipment.

3.1 Rear Panel Overview



Figure 3.1: Rear Panel of the TD-12 Module. This image displays the rear connections of the Roland TD-12, including the AC IN power input, MIDI IN/OUT/THRU ports, MIX IN, DIRECT OUT, MASTER OUT (L/MONO, R), and a comprehensive set of TRIGGER INPUTs for various drum pads (KICK, SNARE, TOM1-3, HH CTRL, HI-HAT, CRASH1-2, RIDE, EDGE, AUX1-2).

3.2 Power Connection

1. Connect the supplied AC adapter to the **AC IN** jack on the rear panel.
2. Plug the AC adapter into a standard wall outlet.
3. Ensure the power switch is in the OFF position before connecting.

3.3 Trigger Input Connections

The TD-12 features 12 trigger inputs for connecting various V-Drum pads and cymbals.

- Connect your kick drum pad to the **KICK** input.
- Connect your snare drum pad to the **SNARE** input.
- Connect tom pads to **TOM 1**, **TOM 2**, **TOM 3** inputs.
- Connect hi-hat pad to **HI-HAT** and hi-hat control pedal to **HH CTRL**.
- Connect crash cymbals to **CRASH 1** and **CRASH 2**.
- Connect ride cymbal to **RIDE**.
- Additional pads can be connected to **EDGE**, **AUX 1**, and **AUX 2**.

3.4 Audio Output Connections

- Connect the **MASTER OUT (L/MONO, R)** jacks to your mixer, amplifier, or audio interface.
- Use the **DIRECT OUT** jacks for individual drum sounds to a multi-track recorder or mixer.
- Connect external audio devices (e.g., MP3 player) to the **MIX IN** jack for play-along.

3.5 MIDI Connections

The TD-12 supports MIDI for connecting to other MIDI-compatible devices.

- Connect the **MIDI OUT/THRU** to the MIDI IN of another device.
- Connect the **MIDI IN** to the MIDI OUT of another device (e.g., computer interface, sequencer).

4. OPERATING THE TD-12 MODULE

This section covers the basic operation and key features of the TD-12 module.

4.1 Front Panel Controls



Figure 4.1: Front Panel of the TD-12 Module. This image shows the front interface of the Roland TD-12, featuring the main LCD display, navigation buttons (CHAIN, SETUP, TRIGGER, EXIT, F1-F5, SHIFT), a VALUE dial, VOLUME knob, MIX IN knob, PHONES jack, GROUP FADERS for KICK, SNARE, TOMS, HI-HAT, CRASH, RIDE, and dedicated buttons for MIXER, AMBIENCE, INIT, MULTI EFFECTS, DRUM KIT, SEQUENCER controls (PATTERN, STOP, PLAY, REC, TEMPO, CLICK), and +/- buttons.

4.2 Powering On/Off

- To power on, press the **POWER** switch located on the rear panel.
- To power off, press the **POWER** switch again.

4.3 Navigating the Interface

- Use the **VALUE** dial to change parameter values or navigate through menus.
- The **F1-F5** buttons correspond to functions displayed on the bottom of the LCD screen.
- Use the **EXIT** button to go back to the previous screen.
- The **SHIFT** button, when held down, activates secondary functions of other buttons.

4.4 Selecting and Editing Drum Kits

- Press the **DRUM KIT** button to enter the Kit selection mode.
- Turn the **VALUE** dial to browse through the available drum kits.
- To edit a kit, press the **EDIT** button (often F5 or a dedicated button depending on screen).
- Utilize **V-Editing** for detailed sound customization, including drum material modeling and size selection.

4.5 Using the Sequencer

- Press the **PATTERN** button to select a rhythm pattern.
- Press **PLAY** to start playback and **STOP** to stop.
- Use the **REC** button to record your own performances.

- Adjust the tempo using the **TEMPO** button and **VALUE** dial.
- Activate the metronome with the **CLICK** button.

5. MAINTENANCE

- **Cleaning:** Wipe the unit with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and then wipe dry. Do not use abrasive cleaners, waxes, or solvents.
- **Storage:** If storing the unit for an extended period, disconnect the power adapter and store it in a cool, dry place away from direct sunlight.
- **Ventilation:** Regularly check that the ventilation openings are not obstructed by dust or debris.

6. TROUBLESHOOTING

Problem	Possible Cause / Solution
No power	<p>Ensure the AC adapter is securely connected to the unit and the power outlet.</p> <p>Check if the power outlet is functioning correctly.</p> <p>Verify the power switch on the unit is in the ON position.</p>
No sound output	<p>Check all audio cable connections (MASTER OUT, DIRECT OUT) to your amplifier/mixer.</p> <p>Ensure the VOLUME knob on the TD-12 is turned up.</p> <p>Verify the volume levels on your connected amplifier/mixer.</p> <p>Check if the correct drum kit is selected and if individual instrument levels are not muted.</p>
Pads not triggering sounds	<p>Ensure drum pads are correctly connected to the corresponding TRIGGER INPUT jacks.</p> <p>Check the sensitivity settings for the individual pads within the TD-12's menu.</p> <p>Verify that the correct trigger type is assigned to each input.</p>
Screen display issues (e.g., unreadable, dim)	<p>This can be a known issue with older units.</p> <p>Try powering the unit off and on again.</p> <p>If the problem persists, contact Roland customer support for potential repair or service.</p>

7. SPECIFICATIONS

Feature	Detail
Model	TD-12
Sound Engine	COSM Modeling
Trigger Inputs	12 (TRS compatible)
Audio Outputs	MASTER OUT (L/MONO, R), DIRECT OUT (4), PHONES
MIDI	IN, OUT/THRU

Feature	Detail
Display	Large, icon-based LCD
Dimensions (approx.)	12.7 x 10.2 x 6.6 inches (Package Dimensions)
Weight (approx.)	5.55 pounds (Item Weight)
Manufacturer	Roland
Date First Available	July 14, 2010

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Roland website. Roland provides comprehensive customer support for its products.

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Roland customer support directly. Contact information can typically be found on the Roland official website or in the product packaging.

Official Roland Website: www.roland.com