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Roland ROLANDTD20

Roland TD-20 V-Drum Percussion Sound Module

Model: ROLANDTD20

Brand: Roland

Product Overview

The TD-20 Percussion Sound Module represents a significant advancement in V-Drums technology. This flagship module offers exceptional sound quality, new sounds, and enhanced expressiveness. The COSM modeling-based V-Editing capabilities are improved, providing drummers with advanced cymbal control, adjustable snare drum buzz, and kick beater selection. Additionally, it features a new digital output and an expansion slot for future upgrades.



Image: Front view of the Roland TD-20 V-Drum Percussion Sound Module, showcasing its display, control knobs, buttons, and faders. The module is silver-grey with black accents and includes a power cable.

Key Features

- Over 500 new sounds, offering improved dynamics and sensitivity.
- Includes CompactFlash storage for expanded memory and data management.
- Features V-LINK compatibility for integration with visual performance systems.
- All-new V-Editing capabilities, including modeled snare buzz, kick beater selection, and extensive cymbal customization (e.g., size, sizzle, mic positions).
- Equipped with 15 dual-trigger inputs for comprehensive drum kit connectivity.
- Provides 10 audio outputs and a digital output for flexible routing.
- Features 8 group faders for intuitive mixing and level control.
- Built-in sequencer for recording and playback of drum patterns.
- Includes a Mastering Room function for final sound optimization.
- Designed with an expansion slot for future upgrades and enhancements.

Setup Guide

This section provides instructions for the initial setup of your Roland TD-20 Percussion Sound Module.

Connecting to Power

1. Ensure the module's power switch is in the OFF position.
2. Connect the supplied AC adapter to the DC IN jack on the rear panel of the TD-20.
3. Plug the AC adapter into a standard electrical outlet.

Connecting Triggers and Audio

- Connect your V-Drums pads (kick, snare, toms, cymbals, hi-hat) to the corresponding TRIGGER INPUT jacks (1-15) on the rear of the module. Refer to the labels for correct assignment.
- For audio output, connect the MASTER OUT (L/MONO, R) jacks to your amplifier, mixer, or monitoring system.
- Utilize the AUX OUT jacks (1-4) for sending individual drum sounds to external effects processors or for sub-mixing.
- Connect headphones to the PHONES jack for private monitoring.

Initial Power On

Once all connections are secure, press the POWER switch to turn on the TD-20 module. The display will illuminate, indicating the module is ready for operation.

Operating Instructions

This section covers the basic operation and advanced features of your TD-20 module.

Navigating the Interface

- Use the **CURSOR** buttons (up, down, left, right) to move the cursor on the display and select parameters.
- Rotate the large **VALUE** dial to change the value of the selected parameter.
- The **F1-F5** buttons correspond to the functions displayed at the bottom of the screen, which change depending on the current mode.
- Press the **EXIT** button to return to the previous screen or cancel an operation.

Kit Selection and Editing

- To select a drum kit, use the **KIT** buttons (**+** and **-**) or the **VALUE** dial while in the main Kit screen.
- Press the **SETUP** button to access global settings and trigger parameters.
- The **V-EDITING** feature allows for detailed customization of individual drum sounds. This includes adjusting shell depth, head type, cymbal size, and microphone positions.
- Utilize the **GROUP FADERS** (KICK, SNARE, TOMS, HI-HAT, CRASH 1, CRASH 2, RIDE, AUX) to adjust the volume balance of different drum elements in real-time.

Sequencer Functions

- The built-in sequencer allows you to record and play back drum performances.
- Use the **REC**, **PLAY**, **STOP**, and **TEMPO** buttons to control the sequencer.
- The **CLICK** button activates the metronome for practice and recording.

CompactFlash Storage

The TD-20 supports CompactFlash cards for saving and loading user kits, patterns, and system settings. Insert the card into the **CARD** slot and use the corresponding menu options to manage your data.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your TD-20 module.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the module. For stubborn dirt, slightly dampen the cloth with water and a mild, non-abrasive cleaner, then wipe dry immediately. Avoid using harsh chemicals, solvents, or abrasive materials.
- **Storage:** When not in use for extended periods, store the module in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. Disconnect all cables, especially the power adapter.
- **Ventilation:** Ensure proper ventilation around the module during operation to prevent overheating. Do not block any ventilation openings.
- **Firmware Updates:** Periodically check the official Roland website for any available firmware updates. Updates can improve performance, add new features, or resolve known issues. Follow the instructions provided by Roland carefully when performing updates.
- **Cable Management:** Keep cables organized and free from kinks or excessive bending to prevent damage.

Troubleshooting

This section provides solutions to common issues you might encounter with your TD-20 module.

No Sound Output

- **Check Power:** Ensure the module is powered on and the power adapter is securely connected.
- **Volume Levels:** Verify that the MASTER VOLUME knob, PHONES volume, and individual GROUP FADERS are turned up. Also check the volume on your connected amplifier or mixer.
- **Cable Connections:** Confirm that all audio cables are correctly connected to the MASTER OUT or PHONES jacks and to your sound system.
- **Kit Selection:** Ensure a drum kit is selected and not an empty or muted kit.

Trigger Not Responding

- **Cable Connection:** Check that the trigger cable from the pad is securely connected to the correct TRIGGER INPUT jack on the TD-20.
- **Pad Functionality:** Test the pad with another module or cable if possible to rule out a faulty pad or cable.
- **Trigger Settings:** Access the TRIGGER settings in the module's menu and ensure the correct pad type is selected for the input and that sensitivity is appropriately set.

Display Issues or Freezing

- **Power Cycle:** Turn off the module, wait a few seconds, and then turn it back on.
- **Factory Reset:** If issues persist, a factory reset may be necessary. Refer to the full manual for instructions on how to perform a factory reset, as this will erase all user data.

If you continue to experience problems after attempting these troubleshooting steps, please contact Roland customer support.

Technical Specifications

Item Weight	7.25 pounds
Package Dimensions	12.9 x 11.8 x 5.4 inches
ASIN	B0002E3MIQ
Item Model Number	ROLANDTD20
Date First Available	June 15, 2010

Warranty and Support

For detailed information regarding the product warranty, please refer to the warranty card included with your Roland TD-20 Percussion Sound Module or visit the official Roland website.

If you require technical assistance, have questions about product operation, or need to arrange for service, please contact Roland customer support through their official website or designated service centers. Keep your purchase receipt and product serial number readily available when contacting support.

Official Roland Website: www.roland.com

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