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Roland TD-50KV-S

Roland TD-50KV-S V-Drum System User Manual

Model: TD-50KV-S | Brand: Roland

1. Introduction

This manual provides essential information for the proper setup, operation, and maintenance of your Roland TD-50KV-S V-Drum System. Please read this manual thoroughly before using the product to ensure correct usage and to prevent damage. Keep this manual in a safe place for future reference.

2. Product Overview

The Roland TD-50KV-S is a flagship electronic drum kit designed for professional drummers, offering advanced sound modeling and highly responsive digital pads.

Key Features:

- **FLAWLESS PERFORMANCE:** The Roland TD-50KV is the flagship electronic drum kit designed to meet the needs of ambitious pro drummers. With its Prismatic Sound Modeling and advanced TD-50 module, experience unparalleled sound and feel that push your performance to new heights.
- **EVOLUTIONARY SENSORS:** Get ready for an immersive drumming experience with the newly developed 14-inch PD-140DS digital snare and 18-inch CY-18DR digital ride. These multi-element sensor systems provide accurate positional detection and dynamics, ensuring every hit is precisely captured and expressed.
- **VERSATILE CYMBALS:** Elevate your beats with the VH-13 V-Hi-Hat, CY-14C crash, and CY-15R crash/ride pads. These top-line cymbals deliver expressive control and lifelike responses, making your drumming sessions truly dynamic and diverse.
- **COMPLETE TOM SET:** The TD-50KV includes one PD-108-BC rack tom pad and two PD-128-BC floor tom pads. These top-notch tom pads contribute to the kit's supreme playability, allowing you to explore a wide range of sounds and styles effortlessly.
- **KICK TRIGGER PEDAL:** The KD-140-BC Kick Trigger Pedal offers a responsive and natural feel, giving your bass

drum performance the power and precision it deserves. No more compromising on your drumming impact.

Included Components:

- TD-50 module
- PD-140DS digital snare
- CY-18DR digital ride
- VH-13 V-Hi-Hat
- CY-14C crash
- CY-15R crash/ride
- PD-108-BC rack tom pad
- Two PD-128-BC floor tom pads
- KD-140-BC Kick Trigger Pedal



Figure 2.1: The complete Roland TD-50KV-S V-Drum System, showcasing the module, pads, and cymbals mounted on the drum stand.



Figure 2.2: The MDS-50KV Drum Stand, providing a robust framework for mounting all components of the V-Drum system.

3. Setup

Careful assembly is crucial for optimal performance and longevity of your V-Drum system.

3.1 Unpacking and Inspection

Carefully remove all components from their packaging. Verify that all listed components are present. Inspect each item for any signs of damage that may have occurred during shipping. Report any discrepancies or damage to your dealer immediately.



Figure 3.1: Packaging for the MDS-50KV Drum Stand, indicating proper handling and contents.



Figure 3.2: Packaging for the TD-50KVA Pad Package, containing the various drum and cymbal pads.

3.2 Assembling the Drum Stand

Assemble the MDS-50KV drum stand according to the included diagram. Ensure all clamps and joints are securely tightened to provide a stable foundation for your kit. Proper stand assembly prevents wobbling and ensures optimal playability.

3.3 Mounting Pads and Cymbals

Attach the PD-140DS digital snare, PD-108-BC rack tom, PD-128-BC floor toms, VH-13 V-Hi-Hat, CY-14C crash, and CY-15R crash/ride cymbals to the drum stand using the provided mounts. Position them ergonomically for comfortable playing. The KD-140-BC Kick Trigger Pedal should be placed on the floor in front of the stand.

3.4 Connecting the TD-50 Module

Mount the TD-50 module to the stand. Connect each pad and cymbal to the corresponding input on the TD-50 module using the supplied cables. Ensure all connections are firm. Connect the power adapter to the module and a suitable power outlet.

4. Operating the TD-50KV-S

The TD-50 module is the heart of your V-Drum system, offering extensive sound customization and performance features.

4.1 Power On/Off

To power on, press the power button on the TD-50 module. To power off, press and hold the power button until the unit shuts down. Always power off the module before disconnecting cables or moving the kit.

4.2 Basic Sound Selection

Use the main dial and navigation buttons on the TD-50 module to browse and select drum kits. The Prismatic Sound Modeling engine allows for highly expressive and realistic drum sounds.



Figure 4.1: The TD-50 Drum Sound Module, featuring controls for sound selection, mixing, and various input/output options.

4.3 Playing the Digital Pads and Cymbals

The PD-140DS digital snare and CY-18DR digital ride feature multi-sensor systems for accurate positional detection and dynamics. Strike the pads and cymbals with drumsticks as you would an acoustic kit. Experiment with different striking positions and techniques to explore the full range of sounds.



Figure 4.2: Close-up of the PD-140DS Digital Snare Drum, highlighting its mesh head and rim for versatile playing.



Figure 4.3: The VH-13 V-Hi-Hat, designed to provide realistic open, closed, and foot splash sounds.



Figure 4.4: The CY-18DR Digital Ride Cymbal, offering advanced positional sensing for nuanced ride patterns.

4.4 Advanced Features

- **WAV Sample Playback:** Load your own WAV samples via an SD card for custom sounds.
- **USB Audio Out:** Utilize the USB 10-channel audio out for multi-track recording through a single USB cable.
- **Metronome:** Practice with the built-in metronome, including Quiet Count and audio recording/playback functions.

5. Maintenance

Regular maintenance will help preserve the condition and performance of your Roland TD-50KV-S.

5.1 Cleaning

Wipe down the module, pads, and stand with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Avoid abrasive cleaners, solvents, or waxes, as these can damage the finish and electronic components.

5.2 Storage

When not in use for extended periods, store the drum kit in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. If disassembling for storage, ensure all components are clean and properly packed to prevent damage.

5.3 Pad Care

The mesh heads on the pads are durable but can be replaced if necessary. Avoid striking the pads with excessive force or using sharp objects, which could damage the sensors or mesh.

6. Troubleshooting

This section addresses common issues you might encounter with your TD-50KV-S system.

6.1 No Sound Output

- Check that the power adapter is securely connected and the module is powered on.
- Verify that your audio cables are correctly connected to the module's output and your amplifier/headphones.
- Ensure the master volume on the TD-50 module is turned up.
- Check individual pad volumes within the module's settings.

6.2 Pad Not Responding or Incorrect Triggering

- Ensure the cable from the non-responsive pad is securely connected to the correct input on the TD-50 module.
- Check the pad's sensitivity settings in the module. It might be set too low.
- Inspect the pad's mesh head or rubber surface for any visible damage.

6.3 Module Freezes or Behaves Erratically

- Power off the module, wait a few seconds, and then power it back on.
- Ensure the firmware is up to date. Refer to the Roland website for the latest firmware and update instructions.
- If the issue persists, a factory reset might be necessary (consult the full TD-50 manual for instructions, as this will erase custom settings).

7. Specifications

Attribute	Value
Model Name	TD-50KV-S
Brand	Roland
Item Weight	30 Pounds
Product Dimensions	48 x 40 x 31 inches
Body Material	Bass Wood
Material Type	Carbon Fiber
Color	Black
Connector Type	USB
Manufacturer	Roland
Date First Available	March 23, 2017
UPC	761294216811, 761294216392

8. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Roland website. Roland provides customer support to assist with product inquiries, technical issues, and service requests.

You can also visit the Roland Store on Amazon for additional product information and resources.

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