Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Roland TB-03

Roland TB-03 Bass Line Boutique Synthesizer User Manual

Model: TB-03

Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Roland TB-03 Bass Line Boutique Synthesizer. Please read this manual thoroughly to ensure proper use and to maximize the performance of your instrument.

Product Overview

The Roland TB-03 is a compact synthesizer designed to recreate the sound and functionality of the classic TB-303 Bass Line synthesizer. It incorporates Roland's Analog Circuit Behavior (ACB) technology to deliver authentic sound. The TB-03 features a familiar layout and control scheme, enhanced with modern functionalities such as a four-digit LED display, built-in overdrive and delay effects, MIDI connectivity, and USB audio/MIDI interface capabilities.

Key Features:

- Authentic recreation of the TB-303 Bass Line Synthesizer sound.
- Enhanced features including a four-digit LED display for easier programming.
- Integrated overdrive and delay effects.
- MIDI input/output for external control and synchronization.
- USB port for audio/MIDI interface functionality and power.
- Hands-on control over parameters such as cutoff, resonance, envelope modulation, decay, and accent.
- Supports classic pitch, time, and step write modes for pattern creation.



Figure 1: Front panel view of the Roland TB-03, displaying the controls, LED display, and keyboard interface.

Setup

Power Supply:

The TB-03 can be powered by four AA batteries or via its Micro USB port. When using batteries, ensure they are inserted with correct polarity into the battery compartment located on the underside of the unit. For extended use or studio integration, USB power is recommended.

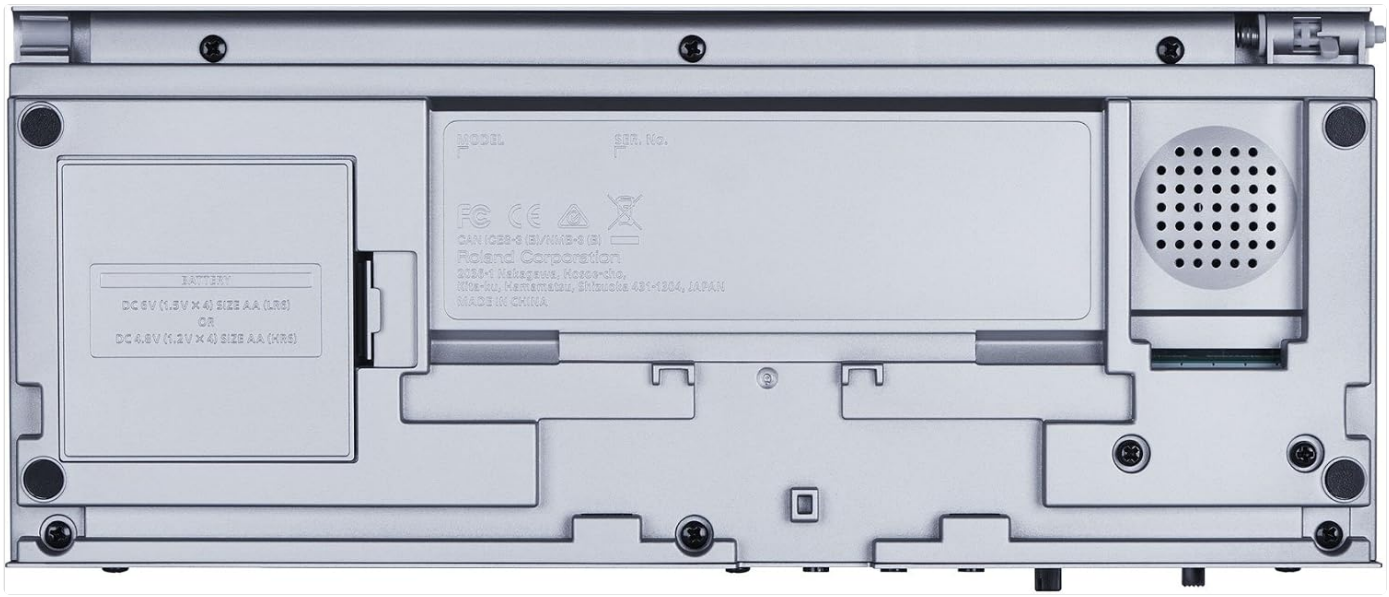


Figure 2: Bottom view of the Roland TB-03, showing the battery compartment for AA batteries.

Connections:

Connect your TB-03 to other equipment using the following ports located on the rear panel:

- **OUTPUT Jack:** Connect to an amplifier, mixer, or audio interface using a 1/8-inch (3.5mm) stereo mini-jack cable.
- **PHONES Jack:** Connect headphones for private monitoring using a 1/8-inch (3.5mm) stereo mini-jack.
- **MIX IN Jack:** Connect an external audio source to mix with the TB-03's output, using a 1/8-inch (3.5mm) stereo mini-jack cable.
- **MIDI IN/OUT Ports:** Use standard 5-pin DIN MIDI cables for connecting to other MIDI devices for synchronization or control.

- **USB Port:** Connect to a computer for power, MIDI communication, and audio interface functionality using a Micro USB cable.
- **CV/GATE Outputs:** For controlling external analog synthesizers or modular systems.



Figure 3: Rear panel of the Roland TB-03, illustrating the power switch, USB port, audio jacks (Phones, Output, Mix In), and MIDI In/Out ports.

Operating Instructions

Basic Controls:

The TB-03 features a range of knobs and buttons on its front panel for sound shaping and pattern creation. Familiarize yourself with these controls for effective operation:

- **Tuning:** Adjusts the overall pitch of the synthesizer.
- **Cut Off Freq:** Controls the cutoff frequency of the built-in low-pass filter, shaping the timbre.
- **Resonance:** Adjusts the filter's resonance, adding emphasis to the cutoff frequency.
- **Env Mod:** Controls the amount of envelope modulation applied to the filter cutoff, creating dynamic tonal changes.
- **Decay:** Sets the decay time of the envelope, influencing how quickly notes fade after being triggered.
- **Accent:** Adjusts the intensity and volume of accented notes within a pattern.
- **Overdrive:** Activates and controls the built-in overdrive effect, adding distortion and grit to the sound.
- **Delay (Time/Feedback):** Controls the parameters of the built-in delay effect, including delay time and feedback amount.



Figure 4: Angled view of the TB-03, highlighting the main control knobs for sound shaping.

Pattern Creation and Editing:

The TB-03 offers multiple modes for creating and editing bass lines:

- **Pitch Mode:** Allows step-by-step input of notes, slides, and accents.
- **Time Mode:** Enables real-time recording of patterns, capturing your performance as you play.
- **Step Write Mode:** A classic method for precise pattern programming, similar to the original TB-303.

Use the **MODE** switch to select between WRITE and PLAY modes. In WRITE mode, you can create and edit patterns. In PLAY mode, patterns are sequenced and performed. The four-digit LED display shows the current tempo and other relevant information, aiding in precise programming.



Figure 5: Angled view of the TB-03, focusing on the pattern selector and step buttons.

Advanced Pattern Functions:

The **FUNCTION** button, combined with specific keys on the keyboard, accesses advanced pattern manipulation features:

- **Copy Pattern:** In WRITE mode, hold the **FUNCTION** button and press the **F#** key. Then, select a destination pattern button (1-8) where you wish to copy the pattern, and press the **WRITE/NEXT** button to execute the copy.
- **Random Pattern Generation:**
  - Hold **FUNCTION** and press **G#** for a completely random pattern.
  - Hold **FUNCTION** and press **A#** for a pattern that randomly changes the octave shift, slide, and accent of the current pattern.

  Important: *Using the random functions will overwrite the currently selected pattern. It is advisable to copy your pattern before applying randomization if you wish to preserve the original.*

Maintenance

To ensure the longevity and optimal performance of your Roland TB-03, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior. Avoid abrasive cleaners, solvents, or waxes.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Battery Replacement:** If using batteries, replace all four AA batteries simultaneously when the power indicator dims or the unit behaves erratically. Remove batteries if the unit will not be used for an extended period.
- **Handling:** Avoid dropping or subjecting the unit to strong impacts.

Troubleshooting

If you encounter issues with your TB-03, refer to the following common solutions:

- **No Power:**

- Check battery installation and charge level.
- Ensure the USB cable is securely connected and providing power.
- Verify the power switch is in the "ON" position.

- **No Sound:**
  - Check volume levels on the TB-03, connected amplifier, or headphones.
  - Ensure cables are correctly connected to the OUTPUT or PHONES jacks.
  - Verify that a pattern is playing and the tempo is set appropriately.
- **MIDI Communication Issues:**
  - Confirm MIDI cables are correctly connected to IN/OUT ports.
  - Check MIDI channel settings on the TB-03 and external devices.
  - Ensure correct drivers are installed if using USB MIDI with a computer.
- **Unexpected Behavior:**
  - Perform a factory reset if necessary (refer to the full Roland manual for specific instructions).

Specifications

Feature	Detail
Model Name	TB-03
Brand	Roland
Dimensions (L x W x H)	14 x 7.25 x 3.6 inches
Item Weight	2 pounds
Body Material	Wood (Bass Wood)
Power Supply	4 AA batteries (included) or Micro USB
Connector Type	Micro USB
Included Components	Bass Bass Drum *(Note: This entry from source data likely refers to sound type, not a physical component.)*
UPC	779177347354, 761294509487

Warranty and Support

For detailed warranty information and technical support, please refer to the official Roland website or contact Roland customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.
Roland Official Website: www.roland.com

© 2023 Roland Corporation. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B01M1DS5VV

More documents and user manuals: **https://manuals.plus/**