

## Behringer TD-3-SR

# Behringer TD-3-SR Analog Bass Line Synthesizer User Manual

Model: TD-3-SR

## 1. INTRODUCTION

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This manual provides detailed instructions for the setup, operation, and maintenance of your Behringer TD-3-SR Analog Bass Line Synthesizer. Please read this manual thoroughly to ensure proper use and to fully explore the capabilities of your instrument. Keep this manual for future reference.

## 2. SAFETY INSTRUCTIONS

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- **Power Supply:** Use only the specified power adapter. Ensure the voltage matches your region's requirements.
- **Water and Moisture:** Do not expose the unit to rain, moisture, or any liquids. Avoid placing objects filled with liquids on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Heat:** Do not place near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

## 3. PACKAGE CONTENTS

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Verify that all items listed below are included in your package:

- Behringer TD-3-SR Analog Bass Line Synthesizer
- Power Adapter
- USB Cable
- Quick Start Guide

## 4. PRODUCT OVERVIEW

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## 4.1 Front Panel Controls



**Figure 4.1:** The Behringer TD-3-SR Analog Bass Line Synthesizer, showing the complete front panel with all controls and buttons.

The front panel of the TD-3-SR is organized into several sections for intuitive control over sound generation and sequencing:

- **VCO Section:** Controls for the Voltage Controlled Oscillator, including **TUNE** and **WAVEFORM** (Sawtooth/Square).
- **VCF Section:** Controls for the Voltage Controlled Filter, featuring **CUTOFF**, **RESONANCE**, **ENVELOPE**, **DECAY**, and **ACCENT**.
- **Sequencer Controls:** Buttons and switches for pattern programming and playback, including **TEMPO**, **TRACK/PATTERN GROUP**, **MODE** (Play/Write), **PITCH MODE**, **FUNCTION**, **START/STOP**, **BAR**, **SELECTOR**, **DEL**, **INS**, **CH**, **COPY**, **PASTE**, **STEP** buttons (1-8, 0, 100, 200), **ACCENT**, **SLIDE**, and **SYNC**.
- **Distortion Section:** An integrated distortion effect with an **ON/OFF** switch, **TONE**, and **LEVEL** controls.
- **Volume Control:** A master **VOLUME** knob for output level adjustment.



## 帯域無制限の図太いベースサウンド

全回路をアナログで構成されたUNDIGITALベースシンセサイザー

20Hz以下20kHz以上の発音可能。デジタルでは再現出来ない突き抜けたベースサウンド

Figure 4.2: Close-up view of the Distortion and Volume sections on the Behringer TD-3-SR, highlighting the ON/OFF switch, TONE, LEVEL, and master VOLUME controls.

### 4.2 Rear Panel Connections



USB&MIDIインターフェース搭載だから  
パソコンとつなげることも出来る。  
パソコン上のプラグインソフトウェアを  
TD-3のノブで動かしたり  
TD-3の音をDAWに取り込んだり出来る。

Figure 4.3: The rear panel of the Behringer TD-3-SR, displaying all input and output connections for audio, MIDI, USB, and power.

The rear panel provides essential connectivity for integrating the TD-3-SR into your studio or live setup:

- **SYNC IN:** 3.5mm input for external clock synchronization.
- **CV OUT:** 3.5mm output for controlling external analog gear with control voltage.
- **GATE OUT:** 3.5mm output for sending gate signals to external analog gear.
- **PHONES:** 3.5mm stereo output for headphones.

- **OUTPUT:** 1/4" mono output for connecting to mixers, audio interfaces, or amplifiers.
- **MIDI IN/OUT/THRU:** 5-pin DIN connectors for MIDI communication with other devices.
- **USB:** USB-B port for MIDI over USB and firmware updates.
- **POWER DC INPUT:** Connection for the included power adapter (9V DC, 300mA).

## 5. SETUP

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1. **Power Connection:** Connect the included power adapter to the **POWER DC INPUT** on the rear panel and then to a suitable power outlet.
2. **Audio Connection:** Connect the **OUTPUT** jack to your mixer, audio interface, or amplifier using a 1/4" TS cable. For private monitoring, connect headphones to the **PHONES** jack.
3. **MIDI/USB Connection (Optional):** If integrating with other MIDI devices, connect MIDI cables to the **MIDI IN/OUT/THRU** ports. For computer connectivity, use the supplied USB cable to connect the **USB** port to your computer.
4. **Power On:** Ensure all connections are secure, then flip the power switch located next to the DC input to the 'ON' position.

## 6. BASIC OPERATION

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### 6.1 Generating a Basic Sound

1. Turn the master **VOLUME** knob to a low setting.
2. Set the **MODE** switch to 'PLAY'.
3. Press the **START/STOP** button to begin playback of a default pattern.
4. Adjust the **TUNE** knob in the VCO section to change the pitch.
5. Select a **WAVEFORM** (Sawtooth or Square) using the switch in the VCO section.
6. Experiment with the VCF controls: **CUTOFF** (filter frequency), **RESONANCE** (filter emphasis), **ENVELOPE** (filter modulation depth), **DECAY** (envelope decay time), and **ACCENT** (accent level).
7. Adjust the master **VOLUME** to a comfortable listening level.

### 6.2 Using the Distortion Effect



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**Figure 6.1:** The Distortion section, showing the ON/OFF switch and TONE/LEVEL knobs.

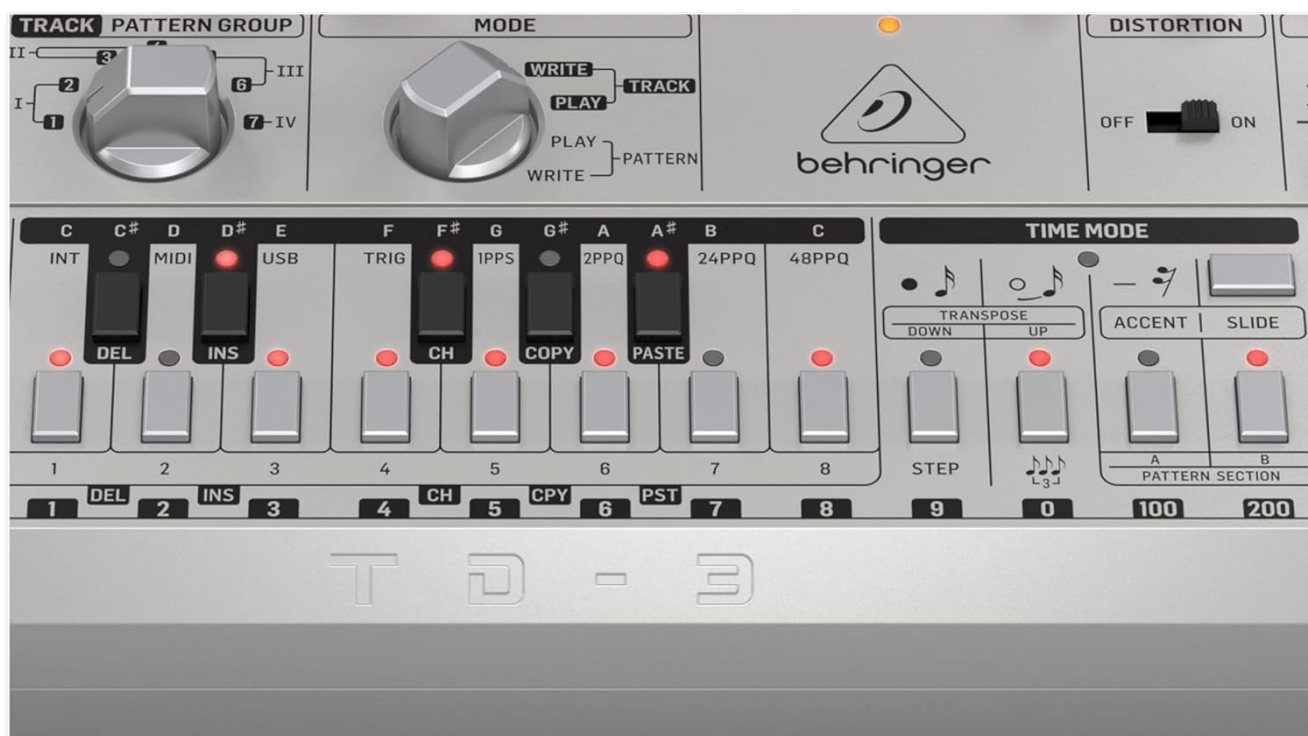
The TD-3-SR includes a built-in distortion effect to add grit and character to your bass lines.

1. To activate the distortion, set the **DISTORTION** switch to 'ON'.
2. Adjust the **TONE** knob to shape the frequency content of the distorted sound.
3. Use the **LEVEL** knob to control the intensity of the distortion effect.

## 7. SEQUENCER OPERATION

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## ベースのフレーズとシーケンス自由自在

### 16ステップシーケンサー搭載

黒鍵も使って、フレーズ作りも簡単に出来ます。

**Figure 7.1:** Close-up of the sequencer section, showing step buttons, function buttons, and pattern group selector. The TD-3-SR features a 16-step sequencer for creating and playing bass lines.

### 7.1 Selecting a Pattern Group

- Use the **TRACK/PATTERN GROUP** rotary switch to select one of the four available pattern groups (I, II, III, IV). Each group contains multiple patterns.

### 7.2 Entering Write Mode

- To program a pattern, set the **MODE** switch to 'WRITE'. The unit will stop playback if it was running.

### 7.3 Step Entry

1. In 'WRITE' mode, press the **STEP** buttons (1-8) to enter notes. Each press advances the sequencer to the next step.
2. Use the **DEL** button to delete the note at the current step.
3. Use the **INS** button to insert a step before the current step.
4. To add an **ACCENT** or **SLIDE** to a step, press the corresponding button while the step is active or immediately after entering a note.

### 7.4 Playing Patterns

1. Set the **MODE** switch to 'PLAY'.
2. Press the **START/STOP** button to begin playback of the selected pattern.
3. Adjust the **TEMPO** knob to change the playback speed.
4. The **SYNC** switch allows internal or external clock synchronization.

## 8. MIDI AND USB CONNECTIVITY

The TD-3-SR offers comprehensive MIDI and USB connectivity for integration with other musical equipment and computers.

- **MIDI IN:** Receives MIDI data for controlling the TD-3-SR's notes, parameters, and clock.
- **MIDI OUT:** Transmits MIDI data generated by the TD-3-SR, including sequencer patterns and knob movements.
- **MIDI THRU:** Passes through incoming MIDI data from the MIDI IN port to another device.
- **USB MIDI:** Connect the TD-3-SR to a computer via the USB-B port. This allows for MIDI control from a Digital Audio Workstation (DAW) and enables firmware updates. The TD-3-SR will appear as a standard MIDI device on your computer.

## 9. MAINTENANCE

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- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the unit. Do not use abrasive cleaners, solvents, or waxes.
- **Storage:** When not in use for extended periods, store the TD-3-SR in a dry, dust-free environment, away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Periodically check the Behringer website for available firmware updates to ensure optimal performance and access to new features.

## 10. TROUBLESHOOTING

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- **No Sound Output:**
  - Check power connection and ensure the unit is turned on.
  - Verify audio cables are correctly connected to the **OUTPUT** and your audio system.
  - Ensure the master **VOLUME** knob is turned up.
  - If using headphones, check the headphone connection and volume.
  - Ensure a pattern is playing and the **MODE** switch is set to 'PLAY'.
- **Sequencer Not Playing/Responding:**
  - Check if the **MODE** switch is set to 'PLAY'.
  - Ensure the **START/STOP** button has been pressed.
  - If using external sync, verify the external clock source is active and the **SYNC** switch is set correctly.
- **MIDI Control Issues:**
  - Verify MIDI cables are securely connected to the correct **MIDI IN/OUT** ports.
  - Check MIDI channel settings on both the TD-3-SR and the controlling device.
  - If using USB MIDI, ensure the USB cable is connected and the TD-3-SR is recognized by your computer/DAW.

## 11. SPECIFICATIONS

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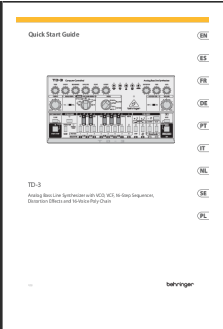

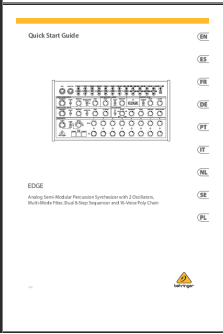
Model Name	TD-3-SR
Material	Bass Wood
Item Dimensions (L x W x H)	12.01 x 6.5 x 2.21 inches
Item Weight	1.28 Kilograms

Synthesizer Type	Analog Bass Line Synthesizer
VCO	Sawtooth and Square Waveforms
VCF	4-pole Low-Pass Resonant Filter
Sequencer	16-Step Sequencer
Effects	Distortion

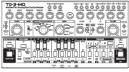

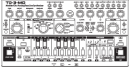

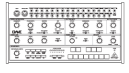

## 12. WARRANTY AND SUPPORT

Behringer products are designed for reliability and performance. This product is covered by a limited warranty. For detailed warranty terms and conditions, product registration, and technical support, please visit the official Behringer website or contact your local distributor. Keep your proof of purchase for warranty claims.

### Related Documents - TD-3-SR

	<p><a href="#">Behringer TD-3 Analog Bass Line Synthesizer Quick Start Guide</a></p> <p>Begin your musical journey with the Behringer TD-3 Analog Bass Line Synthesizer. This Quick Start Guide provides essential information on setup, connections, controls, and operation for the TD-3, a powerful instrument featuring a classic analog sound engine, sequencer, and effects.</p>
	<p><a href="#">Behringer TD-3 Quick Start Guide</a></p> <p>This guide provides essential safety instructions and setup information for the Behringer TD-3 Analog Bass Line Synthesizer.</p>
	<p><a href="#">Behringer EDGE Analog Semi-Modular Percussion Synthesizer Quick Start Guide</a></p> <p>Comprehensive quick start guide for the Behringer EDGE Analog Semi-Modular Percussion Synthesizer, featuring 2 Oscillators, Multi-Mode Filter, Dual 8-Step Sequencer, and 16-Voice Poly Chain. Learn setup, controls, and initial sound creation.</p>



<div><div>安全警告</div><div></div><div>TD-3-MO-SR/TD-3-MO-AM Modded Out Analog Bass Line Synthesizer with VCO 4000 Convertible VCF and 4-to-16-Note Sequencer</div><div></div></div>	<p><a href="#">Behringer TD-3-MO-SR/TD-3-MO-AM Analog Bass Line Synthesizer Quick Start Guide</a></p> <p>Quick start guide and operation manual for the Behringer TD-3-MO-SR/TD-3-MO-AM "Modded Out" Analog Bass Line Synthesizer, covering setup, controls, pattern creation, track sequencing, and technical specifications.</p>
<div><div>Quick Start Guide</div><div></div><div>TD-3-MO Modded Out Analog Bass Line Synthesizer with VCO 4000 Convertible VCF and 4-to-16-Note Sequencer</div><div></div></div>	<p><a href="#">Behringer TD-3-MO "Modded Out" Analog Bass Line Synthesizer Quick Start Guide</a></p> <p>A quick start guide for the Behringer TD-3-MO "Modded Out" Analog Bass Line Synthesizer, covering setup, connections, software and hardware configuration, tuning, sync and clock type settings, signal flow, and basic operation.</p>
<div><div>Quick Start Guide</div><div></div><div>CRAVE Analog Semi-Modular Synthesizer with 3340 VCO, Classic Ladder Filter, 32-Step Sequencer and 16-Voice Poly Chain</div><div></div></div>	<p><a href="#">Behringer CRAVE Quick Start Guide: Analog Semi-Modular Synthesizer</a></p> <p>Get started quickly with the Behringer CRAVE, a powerful analog semi-modular synthesizer featuring a 3340 VCO, Classic Ladder Filter, 32-Step Sequencer, and 16-Voice Poly Chain. This guide covers setup, connections, controls, and safety information.</p>