

Behringer TD-3

Behringer TD-3 Analog Bass Line Synthesizer User Manual

Model: TD-3 | Brand: Behringer

INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Behringer TD-3 Analog Bass Line Synthesizer. The TD-3 is an authentic reproduction of original circuitry, featuring a Voltage Controlled Oscillator (VCO), Voltage Controlled Filter (VCF), 16-step sequencer, and distortion effects. It is designed to deliver classic bass and groove sounds with true analog circuitry.

SAFETY INSTRUCTIONS

Please read these instructions carefully before operating the device. Keep this manual for future reference. Always follow basic safety precautions to reduce the risk of fire, electric shock, and injury to persons. Do not expose this appliance to rain or moisture. Do not use this apparatus near water. Clean only with a dry cloth. Refer all servicing to qualified service personnel.

PACKAGE CONTENTS

The Behringer TD-3-RD Analog Bass Line Synthesizer package includes:

- Behringer TD-3-RD Analog Bass Line Synthesizer
- Power Adapter
- User Manual

PRODUCT OVERVIEW

The TD-3 is an analog bass line synthesizer designed for bass and groove sounds. It features an authentic reproduction of original circuitry with matched transistors, a pure analog signal path based on legendary VCO, VCF, and VCA designs.



Figure 1: Front view of the Behringer TD-3-RD Analog Bass Line Synthesizer, showing controls for tune, cutoff, resonance, envelope, decay, accent, distortion, volume, and the 16-step sequencer interface.



Figure 2: Angled view of the Behringer TD-3-RD Analog Bass Line Synthesizer, highlighting its compact design and various control knobs and buttons.

Key Features:

- Sawtooth and square waveform VCO with transistor wave-shaping circuitry.
- 4-pole low-pass resonant filter with cut-off, resonance, envelope, decay and accent controls.
- 16-step sequencer for pattern creation.

- Built-in distortion effects.
 - 16-voice Poly Chain capability.
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SETUP

Power Connection:

Connect the provided power adapter to the DC input on the rear panel of the TD-3. Plug the adapter into a suitable power outlet. Ensure the power switch is in the 'OFF' position before connecting the power supply.

Audio Output:

Connect the main audio output (1/4-inch TS jack) to your mixer, audio interface, or amplifier. For monitoring, headphones can be connected to the dedicated headphone jack.

MIDI Connectivity:

For external control or synchronization, connect MIDI cables to the MIDI IN and MIDI OUT ports. The TD-3 also supports USB MIDI for computer connectivity.

OPERATING

Basic Operation:

- **Power On:** Flip the power switch to the 'ON' position.
 - **Volume Control:** Adjust the MASTER VOLUME knob to set the overall output level.
 - **Sound Generation:** The TD-3 features a VCO (Voltage Controlled Oscillator) for generating the core sound. Use the WAVEFORM switch to select between Sawtooth and Square waves.
 - **Filter Control:** The VCF (Voltage Controlled Filter) section allows you to shape the timbre. Adjust CUTOFF, RESONANCE, ENVELOPE, DECAY, and ACCENT knobs to modify the filter's characteristics.
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SOUND DESIGN

VCO (Voltage Controlled Oscillator):

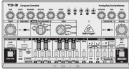

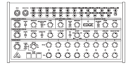
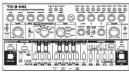
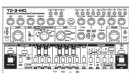
The VCO is the primary sound source. Select between a rich Sawtooth wave or a punchy Square wave using the WAVEFORM switch. The TUNE knob adjusts the overall pitch of the oscillator.

VCF (Voltage Controlled Filter):

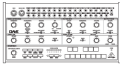
The 4-pole low-pass resonant filter is crucial for shaping the TD-3's signature sound. Experiment with the following controls:

- **CUTOFF:** Determines the frequency at which the filter starts to attenuate higher frequencies.
- **RESONANCE:** Boosts frequencies around the cutoff point, creating a more pronounced and sometimes

Related Documents - TD-3


<div><div>Quick Start Guide</div><div></div><div>TD-3 Analog Bass Line Synthesizer with VCO, VCF, 16-Step Sequencer, Over-Drive Effects and 16-Voice Poly Chain</div><div>behringer</div></div>	<p>Behringer TD-3 Analog Bass Line Synthesizer Quick Start Guide</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>
<div><div>Quick Start Guide</div><div></div><div>TD-3 Analog Bass Line Synthesizer with VCO, VCF, 16-Step Sequencer, Over-Drive Effects and 16-Voice Poly Chain</div><div>behringer</div></div>	<p>Behringer TD-3 Quick Start Guide</p> <p>This guide provides essential safety instructions and setup information for the Behringer TD-3 Analog Bass Line Synthesizer.</p>
<div><div>Quick Start Guide</div><div></div><div>EDGE Analog Semi-Modular Percussion Synthesizer with 2 Oscillators, Multi-Mode Filter, Dual 8-Step Sequencer and 16-Voice Poly Chain</div><div>behringer</div></div>	<p>Behringer EDGE Analog Semi-Modular Percussion Synthesizer Quick Start Guide</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>快速启动指南</div><div></div><div>TD-3-MO-SR/TD-3-MO-AM "Modded Out" Analog Bass Line Synthesizer with VCO, 16-Step Sequencer, VCF and Over-Drive Effects</div><div>behringer</div></div>	<p>Behringer TD-3-MO-SR/TD-3-MO-AM Analog Bass Line Synthesizer Quick Start Guide</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, 16-Step Sequencer, VCF and Over-Drive Effects</div><div>behringer</div></div>	<p>Behringer TD-3-MO "Modded Out" Analog Bass Line Synthesizer Quick Start Guide</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>

Quick Start Guide



CRAVE

Analog Semi-Modular Synthesizer with 3340 VCO, Classic Ladder Filter, 32-Step Sequencer and 16-Voice Poly Chain



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[Behringer CRAVE Quick Start Guide: Analog Semi-Modular Synthesizer](#)

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.