

Behringer ODYSSEY

Behringer ODYSSEY 37-Key Analog Synthesizer Instruction Manual

Model: ODYSSEY

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Behringer ODYSSEY 37-Key Analog Synthesizer. Please read it thoroughly before using the instrument and retain it for future reference.

2. SAFETY INFORMATION

Always follow basic safety precautions when using this product to reduce the risk of fire, electric shock, and injury to persons. This includes, but is not limited to:

- Do not expose this appliance to rain or moisture.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way.

3. PACKAGE CONTENTS

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

- Behringer ODYSSEY 37-Key Analog Synthesizer
- Power Adapter

4. SETUP

Follow these steps to set up your ODYSSEY synthesizer:

1. **Power Connection:** Connect the included power adapter to the DC input on the rear panel of the synthesizer and then to a suitable power outlet.
2. **Audio Output:** Connect the audio output (e.g., 1/4-inch jack) to your mixer, audio interface, or amplifier using appropriate audio cables.
3. **MIDI Connection (Optional):** For MIDI control, connect a MIDI cable from your MIDI controller or computer interface to the MIDI IN port on the synthesizer.
4. **USB Connection (Optional):** For USB MIDI and audio functionality, connect a USB cable from the synthesizer's USB port to your computer.
5. **Power On:** Flip the power switch to the 'ON' position. The unit will power up.



Figure 1: Top-down view of the Behringer ODYSSEY synthesizer, showing the control panel and keyboard.

5. OPERATING INSTRUCTIONS

The Behringer ODYSSEY is an analog synthesizer designed for sound creation and performance. Its intuitive layout allows for direct manipulation of sound parameters.

5.1 Oscillators (VCOs)

The ODYSSEY features two true analog Voltage Controlled Oscillators (VCOs) for generating core waveforms. Each VCO offers sawtooth, square/pulse with pulse-width modulation, and sine/square wave LFO options. Adjust the frequency, fine-tune, and pulse width controls to shape the initial sound.

5.2 Filters (VCFs)

Explore the 3-way multi-mode Voltage Controlled Filters (VCFs) to sculpt the timbre of your sound. These filters allow you to control the cutoff frequency and resonance, providing a wide range of tonal possibilities from subtle warmth to aggressive sweeps.

5.3 Envelope Generators (ADSR)

Two dedicated ADSR (Attack, Decay, Sustain, Release) envelope generators control the amplitude and filter modulation. Adjust these parameters to create dynamic sounds, from sharp percussive hits to long, evolving pads.

5.4 Sequencer and Arpeggiator

The built-in 32-step sequencer allows you to program melodic patterns, while the arpeggiator generates rhythmic sequences from held notes. These tools enhance performance and composition capabilities.

5.5 Klark Teknik FX

Integrate the Klark Teknik FX processor to add professional-grade effects to your sound, enhancing depth and character.



Figure 2: Angled view of the Behringer ODYSSEY synthesizer, highlighting the keyboard and control panel layout.

6. FEATURES OVERVIEW

- Authentic mono/duo-phonic synthesizer with 2 true analog Oscillators for rich, fat sounds.
- 37 semi-weighted full-size keys featuring velocity functionality for expressive playability.
- Pure analog signal path based on legendary VCO, VCF, and VCA designs from the '70s.
- Dual voices with sawtooth, square/pulse with pulse-width modulation, and sine/square wave LFO.

- Integrated 32-step sequencer and arpeggiator for pattern creation and rhythmic variations.
- Klark Teknik FX processor for high-quality effects.

Video 1: An overview of the Behringer Odyssey Analog Synthesizer, detailing its features and sound capabilities.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your synthesizer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the synthesizer. Avoid abrasive cleaners or solvents.
- **Storage:** Store the synthesizer in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Protection:** When not in use, cover the synthesizer to protect it from dust and debris.
- **Transportation:** Use a padded case when transporting the instrument to prevent damage.

8. TROUBLESHOOTING

If you encounter issues with your Behringer ODYSSEY, try the following basic troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the synthesizer and a working power outlet. Check the power switch position.
- **No Sound:** Verify that audio cables are correctly connected to the output and your sound system. Check volume levels on both the synthesizer and your audio equipment. Ensure the VCA Gain is not set to zero.
- **MIDI Issues:** Confirm MIDI cables are properly connected (MIDI OUT of controller to MIDI IN of synthesizer). Check MIDI channel settings on both devices.
- **Unresponsive Controls:** Power cycle the unit. If issues persist, consult the full user manual or contact customer support.

9. SPECIFICATIONS

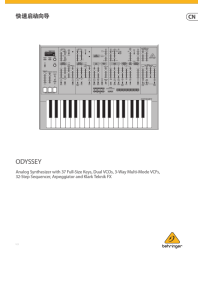
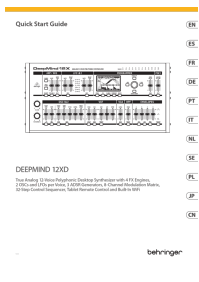
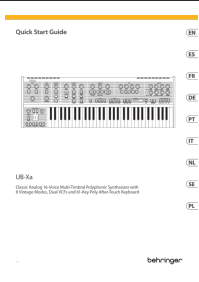

Attribute	Value
Model Name	ODYSSEY
Brand	Behringer
Body Material	Alloy Steel
Item Weight	21.9 pounds
Product Dimensions (L x W x H)	26.2 x 7.9 x 19.5 inches
Number of Keyboard Keys	37
Connector Type	2.5mm jack
Manufacturer	Music Tribe US
UPC	653341325433

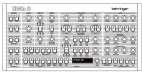



10. WARRANTY AND SUPPORT

For warranty information, product registration, and technical support, please visit the official Behringer website or contact your local distributor. Keep your proof of purchase for any warranty claims.

For additional resources and community support, you may visit the [Behringer Store on Amazon](#).

Related Documents - ODYSSEY

	<p>Behringer ODYSSEY</p> <p>Behringer ODYSSEY</p>
	<p>Behringer DeepMind 12XD Quick Start Guide - Analog Synthesizer</p> <p>Get started with the Behringer DeepMind 12XD, a 12-voice analog polyphonic desktop synthesizer. This quick start guide covers essential setup, controls, and features for creating music.</p>
	<p>Behringer UB-Xa Quick Start Guide</p> <p>Get started quickly with the Behringer UB-Xa, a classic analog 16-voice multi-timbral polyphonic synthesizer featuring 8 vintage modes, dual VCFs, and a 61-key poly after-touch keyboard. This guide provides essential setup and operational information.</p>
	<p>Behringer WAVE User Manual: Hybrid Wavetable Synthesizer Guide</p> <p>Explore the Behringer WAVE, an 8-voice hybrid wavetable synthesizer featuring analog VCF/VCA, extensive modulation, and a powerful sequencer. This manual details its features and operation.</p>

<div><div>User Manual</div><div></div><div><div>UB-Xa D</div><div>Classic analog 16-voice desktop analog polyphonic synthesizer with 4 FM engines and 4 FXs</div></div><div></div></div>	<p>Behringer UB-Xa D User Manual: Classic Analog Synthesizer Guide</p> <p>Comprehensive user manual for the Behringer UB-Xa D, a 16-voice polyphonic desktop analog synthesizer. Explore its features, controls, presets, and advanced functions for creating rich sonic textures.</p>
<div><div>User Manual</div><div></div><div><div>DeepMind 6</div><div>True analog 6-voice polyphonic synthesizer with 4 FX engines, 2 OSCs per voice, 4000+ presets, 250+ modulation matrix, and tablet remote control</div></div><div></div></div>	<p>Behringer DeepMind 6: True Analog 6-Voice Polyphonic Synthesizer User Manual</p> <p>Comprehensive user manual for the Behringer DeepMind 6, a true analog 6-voice polyphonic synthesizer featuring 4 FX engines, 2 OSCs per voice, extensive modulation matrix, and tablet remote control.</p>