KORG MINILOGUEXD

Korg minilogue xd 37-key Polyphonic Analog Synthesizer Instruction Manual

Model: MINILOGUEXD | Brand: KORG

INTRODUCTION

The Korg minilogue xd is a 37-key polyphonic analog synthesizer designed to offer a powerful and versatile sound creation experience. It combines a true analog synthesis engine with a digital multi-engine, providing a wide array of sonic possibilities for musicians and sound designers.

Key features include a dual-oscillator synthesis engine, a compact and lightweight design for portability, and a digital multi-engine with noise, VPM, and user slots. It supports four-voice polyphony for rich, layered sounds and offers 500 program memories, including 200 presets and 300 user programs. The built-in 16-step polyphonic sequencer allows for recording and saving sequences, while four voice modes (POLY, UNISON, CHORD, ARP/LATCH) provide versatile sound creation. Micro tuning capabilities enable precise pitch adjustments, and a variety of built-in effects (modulation, reverb, delay, chorus, ensemble, phaser, flanger, and user effects) enhance your sounds. The OLED oscilloscope display offers real-time visualization of sound waves for accurate sound design.

SETUP

What's in the Box

- AC adapter

Connections

Before powering on your minilogue xd, ensure all necessary connections are made. The rear panel provides various input and output options for integration with your audio setup.

Figure 1: Rear Panel Connections. This image displays the rear panel of the Korg minilogue xd, highlighting the power input, USB port, MIDI In/Out, and audio output jacks. The wooden side panels are also visible.

- **Power Input:** Connect the included AC adapter to the DC 12V port.
- **USB Port:** Use the USB port for MIDI communication with a computer.
- **MIDI In/Out:** Connect to other MIDI devices for control or to be controlled.
- **Audio Output:** Connect the L/Mono and R output jacks to your mixer, audio interface, or amplifier.
- **Headphone Jack:** For private monitoring.
- **Sync In/Out:** For synchronizing with other Korg Volca series or compatible devices.

O**PERATING**

The Korg minilogue xd offers intuitive controls for sound design and performance. Familiarize yourself with the layout and functions of the various knobs, switches, and buttons.

Figure 2: Top Panel Overview. This image provides a clear top-down view of the Korg minilogue xd, showcasing the 37-key keyboard, control knobs for oscillators, mixer, filter, envelopes, LFO, effects, and the OLED display.

Sound Generation: Oscillators, Mixer, and Filter

- **VCO1 & VCO2:** These are the primary analog oscillators. Use the WAVE and OCTAVE switches to select waveform types (Saw, Square, Triangle) and octave ranges. The PITCH and SHAPE knobs allow for fine-tuning and waveform modulation.
- **Multi-Engine:** A digital oscillator offering Noise, Variable Phase Modulation (VPM), and User modes. The TYPE and SHAPE knobs control its parameters.

- **Mixer:** Adjust the volume balance between VCO1, VCO2, and the Multi-Engine using the dedicated knobs.
- **Filter:** The analog filter section includes CUTOFF, RESONANCE, and DRIVE controls to shape the timbre of your sound.

Figure 3: Oscillator and Mixer Controls. A detailed view of the VCO1, VCO2, and Multi-Engine sections, along with the Mixer and Filter controls. This area is central to crafting the core sound of the synthesizer.

Envelopes and LFO

- **AMP EG:** Controls the amplitude envelope with ATTACK, DECAY, SUSTAIN, and RELEASE parameters.
- **EG:** A dedicated envelope generator for modulating various parameters, with ATTACK, DECAY, and EG INT (intensity) controls.
- **LFO:** A Low-Frequency Oscillator with WAVE, MODE, and RATE controls for adding modulation to pitch, filter, or shape.

Effects and OLED Display

- **Effects Section:** Includes MOD (modulation), REVERB, and DELAY effects. Use the TYPE, TIME, and DEPTH knobs to adjust.
- **OLED Oscilloscope:** Provides real-time visual feedback of your sound waves, aiding in precise sound design.

Figure 4: Effects and Display. This image focuses on the effects section and the OLED oscilloscope display, which visually represents the waveform as it is being shaped by the various parameters.

Sequencer and Program Management

- **16-Step Polyphonic Sequencer:** Record and playback sequences. Use the MODE, PLAY, REC, and NEXT buttons to control the sequencer.
- **Program/Value Knob:** Select from 500 programs (200 factory presets, 300 user programs).
- **EDIT MODE/WRITE/EXIT/SHIFT:** Buttons for editing programs, saving changes, exiting menus, and accessing secondary functions.

Voice Modes and Micro Tuning

- **Voice Mode:** Select from POLY (4-voice polyphony), UNISON (all voices stacked), CHORD (play chords with one finger), and ARP/LATCH (arpeggiator with latch function).
- **Micro Tuning:** Fine-tune the pitch of individual notes for unique scales and harmonies.

Maintenance

To ensure the longevity and optimal performance of your Korg minilogue xd, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the surface of the synthesizer. Avoid abrasive cleaners, solvents, or waxes, as these can damage the finish.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Avoid dropping the unit or subjecting it to strong impacts. Do not place heavy objects on top of the synthesizer.
- **Power:** Always use the specified AC adapter. Disconnect the power adapter when the unit is not in use

for extended periods.

TROUBLESHOOTING

If you encounter issues with your Korg minilogue xd, refer to the following common troubleshooting steps:

- **No Power:** Ensure the AC adapter is securely connected to both the synthesizer and a working power outlet. Verify the power button is pressed.
- **No Sound:** Check all audio cable connections. Ensure the MASTER VOLUME knob is turned up. Verify that the individual oscillator and multi-engine volumes in the mixer section are not at zero. Check headphone connections if using headphones.
- **MIDI Issues:** Confirm MIDI cables are correctly connected (MIDI OUT to MIDI IN, and vice-versa). Check MIDI settings on both the minilogue xd and your external device/computer.
- **Unresponsive Controls:** Try restarting the unit. If the issue persists, consult the full owner's manual for factory reset procedures.
- **Unexpected Sound Behavior:** Check the current program settings. Ensure no external modulation sources are inadvertently affecting parameters.

For more detailed troubleshooting or issues not covered here, please refer to the comprehensive owner's manual available on the KORG website or contact KORG customer support.

SPECIFICATIONS

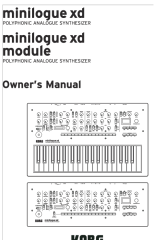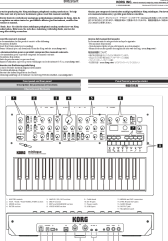| Feature	Specification
Item Weight	6.16 pounds (2.8 Kilograms)
Product Dimensions	11.81 x 3.35 x 19.69 inches
Body Material	Bass Wood
Finish Type	Metallic
Number of Keyboard Keys	37
Connector Type	USB
Model Name	MINILOGUEXD
Item model number	KORGXD
Date First Available	January 17, 2019

WARRANTY AND SUPPORT

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

Online resources, including detailed manuals, software updates, and FAQs, are available to assist you with

your Korg minilogue xd.

Related Documents - MINILOGUEXD

[KORG minilogue xd Owner's Manual: Polyphonic Analogue Synthesizer Guide](#)
Discover the KORG minilogue xd, a 4-voice polyphonic analog synthesizer featuring a versatile multi-engine, 16-step sequencer, and high-quality digital effects. This owner's manual provides detailed instructions for setup, operation, and sound design.

[Korg minilogue Manuel d'utilisation - Guide Complet](#)
Découvrez le Korg minilogue, un synthétiseur analogique polyphonique 4 voix. Ce manuel d'utilisation détaillé fournit des instructions complètes sur ses commandes, connexions, création sonore, MIDI, et plus encore.

[KORG minilogue xd & xd module Owner's Manual](#)
Comprehensive owner's manual for the KORG minilogue xd and minilogue xd module polyphonic analog synthesizers. Covers setup, operation, programming, effects, sequencing, and specifications.

[Korg minilogue xd/xd module: Polyphonic Analog Synthesizer Quick Start Guide](#)
Get started with the Korg minilogue xd and minilogue xd module. This guide covers setup, features, programming, and more for these versatile polyphonic analog synthesizers.

[KORG minilogue xd & minilogue xd module: Bedienungsanleitung für polyphone analoge Synthesizer](#)
Umfassende Bedienungsanleitung für den KORG minilogue xd und minilogue xd module. Erfahren Sie mehr über die Funktionen, Bedienelemente, Anschlüsse und Soundgestaltungsmöglichkeiten dieses polyphonen analogen Synthesizers.

[KORG minilogue Polyphonic Analog Synthesizer Quick Start Guide](#)
A concise and SEO-optimized HTML guide to the KORG minilogue polyphonic analog synthesizer, covering its features, controls, connections, operation, and specifications. Includes a textual description of the block diagram and panel layouts.