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Behringer UB-Xa

Behringer UB-Xa D

16-VOICE MULTI-TIMBRAL POLYPHONIC DESKTOP ANALOG SYNTHESIZER USER MANUAL

1. Introduction

The Behringer UB-Xa D is a powerful 16-voice multi-timbral polyphonic desktop analog synthesizer, designed to deliver rich, authentic analog sounds. It features 32 oscillators, 8 vintage modes, a multimode VCF, and comprehensive modulation capabilities, making it suitable for a wide range of musical applications from studio production to live performance. This manual provides essential information for setting up, operating, and maintaining your UB-Xa D synthesizer.



Figure 1: Behringer UB-Xa D Desktop Synthesizer (Top View)

This image displays the top panel of the Behringer UB-Xa D, highlighting its extensive array of controls for sound shaping, including sections for keyboard, manual, performance LFO, control, oscillators, filter, envelopes, and programmer. The layout is designed for intuitive access to all parameters.

2. Important Safety Instructions

Please read these instructions carefully before operating your UB-Xa D. Retain this manual for future reference.

- 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.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 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.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

3. Getting Started and Setup

3.1 Unpacking

Carefully unpack your UB-Xa D and check for any signs of damage. Retain the original packaging for future transport or storage.

3.2 Power Connection

Connect the supplied power adapter to the DC input on the rear panel of the UB-Xa D, then plug the adapter into a suitable power outlet. Ensure the power switch is in the OFF position before connecting.

3.3 Audio Connections

The UB-Xa D features stereo audio outputs. Connect the LEFT/MONO and RIGHT outputs to your mixer, audio interface, or amplifier using standard 1/4" TS cables.

3.4 MIDI and USB Connections

For MIDI control, connect a MIDI cable from your MIDI controller's MIDI OUT to the UB-Xa D's MIDI IN. For computer connectivity and MIDI over USB, connect a USB cable from the UB-Xa D's USB port to your computer.



Figure 2: Behringer UB-Xa D Desktop Synthesizer (Angled View)

This image provides an angled perspective of the UB-Xa D, illustrating the depth of its control surface and the ergonomic placement of its various knobs and buttons. This view helps in understanding the physical layout for connections and operation.

4. Key Features

- **16-Voice Polyphony:** Enables rich, complex chords and layered sounds.
- **Multi-timbral Capability:** Allows for multiple sounds to be played simultaneously, assigned to different MIDI channels.
- **32 Oscillators:** Two oscillators per voice, providing immense sonic potential and depth.
- **8 Vintage Modes:** Emulate the characteristics of classic analog synthesizers, adding warmth and authenticity.
- **Multimode VCF (Voltage Controlled Filter):** Offers versatile sound sculpting with various filter types.
- **512 User Preset Slots:** Store and recall your custom sounds with ease.
- **VCA/VCF Envelopes:** Dedicated envelopes for amplitude (VCA) and filter (VCF) control, allowing for dynamic sound shaping.
- **Arpeggiator:** Built-in arpeggiator for creating rhythmic patterns and melodic sequences.

5. Operation

5.1 Basic Sound Creation

To begin creating sounds, ensure the UB-Xa D is powered on. Adjust the **OSCILLATORS** section to select waveforms and tune the oscillators. Use the **FILTER** section to shape the timbre, and the **ENVELOPES** section to control the dynamics of the sound.

5.2 Using Presets

The UB-Xa D comes with factory presets and allows for user-defined presets. Use the **PRESET VALUE** knob and **SELECT** button in the PROGRAMMER section to browse and load presets. To save a new sound, press the **WRITE** button and follow the on-screen prompts.

5.3 Modulation

The MODULATION section allows for complex sound design. Utilize the LFOs (Low Frequency Oscillators) to modulate parameters such as pitch, filter cutoff, and pulse width, adding movement and character to your sounds.

5.4 Arpeggiator

Activate the ARPEGGIATOR by pressing the **ARP ON** button. Adjust the tempo, mode, and octave range to create various arpeggiated patterns from held notes or chords.

6. Specifications

Brand	Behringer
Model	UB-Xa
Instrument Type	Synthesizer
Polyphony	16-voice
Oscillators	32 (2 per voice)
Preset Slots	512 User Presets
Item Weight	13.6 pounds (6.17 kg)
Product Dimensions	22.5 x 12.15 x 7.9 inches (57.15 x 30.86 x 20.07 cm)
UPC	644216662203

7. Maintenance

7.1 Cleaning

To clean the UB-Xa D, use a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth.

7.2 Storage

When not in use for extended periods, store the synthesizer in a cool, dry place, away from direct sunlight and extreme temperatures. If possible, use the original packaging for protection.

8. Troubleshooting

- **No Power:** Ensure the power adapter is securely connected to both the UB-Xa D and a working power outlet. Check the power switch position.
- **No Sound Output:** Verify that audio cables are correctly connected to the outputs and your audio system. Check volume levels on the UB-Xa D and your mixer/amplifier. Ensure a preset is loaded and notes are being triggered (via MIDI or internal arpeggiator).
- **MIDI Not Responding:** Check MIDI cable connections. Ensure the correct MIDI channel is selected on both the UB-Xa D and your MIDI controller/software. Verify USB connection for MIDI over USB.

- **Unusual Sound/Noise:** Check all cable connections for looseness or damage. Ensure proper grounding. If the issue persists, consult the manufacturer's support.

9. Warranty and Support

For detailed warranty information and technical support, please refer to the official Behringer website or contact their customer service. Keep your proof of purchase for warranty claims.
Official Behringer Website: www.behringer.com

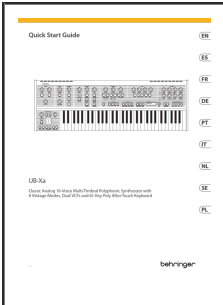
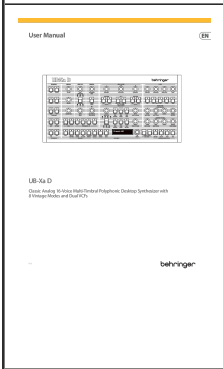

10. Product Videos

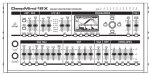





No official product videos from the seller were found for embedding in this manual.



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	<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>
	<p>Behringer WAVE User Manual: Legendary 8-Voice Multi-Timbral Hybrid Synthesizer</p> <p>Comprehensive user manual for the Behringer WAVE, detailing its features as a legendary 8-voice multi-timbral hybrid synthesizer with wavetable generators, analog VCF and VCA, LFO, 3 envelopes, arpeggiator, and sequencer. Includes safety instructions, operational guidance, and warranty information.</p>

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<div><div>User Manual</div><div></div><div>DEEPMIND 6 True Analog 6-Voice Polyphonic Synthesizer with 4 FX Engines, 2 VCOs, 2 LFOs, 2 VCFs, 2 Envelopes, 2 Sync and Cross Modulation Engines, 40 Steps Control Sequencer, MIDI Port, and USB to MIDI</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>