

IK Multimedia IP-UNO-SYNTHPROX

IK Multimedia UNO Synth Pro X User Manual

Dual-Filter Paraphonic Analog Desktop Synthesizer

1. INTRODUCTION

The IK Multimedia UNO Synth Pro X is a powerful dual-filter paraphonic analog desktop synthesizer designed for musicians and producers seeking an expansive analog sound palette. This instrument integrates an audio interface, a versatile modulation matrix, and 12 studio-quality effects, offering extensive sound shaping capabilities. With its comprehensive USB, MIDI, CV, GATE, and audio I/O options, the UNO Synth Pro X is suitable for various studio and live performance setups.



Figure 1.1: Front view of the IK Multimedia UNO Synth Pro X desktop synthesizer.

2. KEY FEATURES

- **Dual-Filter Paraphonic Analog Synthesis:** Features two variable filters with 24 modes for diverse sound sculpting, from smooth sweeps to resonant textures.
- **Advanced Modulation Matrix:** A 16-slot modulation matrix allows for complex sound design and expressive control over various parameters.
- **Integrated Effects:** Includes 12 studio-quality effects, such as reverbs, delays, and modulations, arranged in three slots for enhanced sound processing.
- **Software Editor:** A dedicated software editor facilitates preset management, saving, and sharing, ensuring seamless integration with digital audio workstations (DAWs).
- **Extensive Connectivity:** Offers USB, MIDI (In/Out), CV/GATE (In/Out), and audio input/output options for versatile integration into any music production environment.
- **Portable Design:** The desktop unit is lightweight and compact, making it suitable for both studio use and on-the-go music creation.

3. SETUP

3.1 Unpacking and Initial Inspection

Carefully remove the UNO Synth Pro X from its packaging. Verify that all included components, such as the synthesizer unit and the software editor download instructions, are present. Inspect the unit for any signs of physical damage.

3.2 Powering the Device

The UNO Synth Pro X is powered via a USB-C connection. Connect the provided USB-C cable to the 'POWER' port on the rear panel of the synthesizer and to a compatible USB power adapter (not included) or a powered USB hub. Ensure the power source provides sufficient current for stable operation.

3.3 Connecting to Audio Systems

To output audio, connect the 'OUT' jacks (L/R) on the rear panel to your mixer, audio interface, or amplifier using standard 1/4-inch TS cables. For private monitoring, connect headphones to the 'PHONES' jack. The 'AUDIO IN' jack allows external audio signals to be processed through the UNO Synth Pro X's filters and effects.



Figure 3.1: Rear panel connections including USB, CV/GATE, Audio In/Out, and Headphones.

3.4 MIDI and CV/GATE Connections

For MIDI control, connect standard MIDI cables to the 'MIDI IN' and 'MIDI OUT' ports. The UNO Synth Pro X also features CV/GATE inputs and outputs (1/8-inch TS jacks) for integration with modular synthesizers and other analog gear. Refer to the detailed connection diagrams in the full manual for specific configurations.

4. OPERATING THE UNO SYNTH PRO X

The UNO Synth Pro X offers a hands-on interface with dedicated controls for most parameters, allowing for intuitive sound design and performance.



Figure 4.1: Detailed view of the control panel with knobs and buttons for sound manipulation.

4.1 Sound Generation (Oscillators)

The synthesizer features three discrete wave-morphing oscillators. These oscillators can be configured with various modulation types including Pulse Width Modulation (PWM), synchronization (sync), Frequency Modulation (FM), and ring modulation to create a wide range of timbres.

4.2 Filters

Two state variable filters are available, offering 24 different modes. These include an original UNO Synth OTA filter and a new SSI-based filter with self-oscillation capabilities. The filters can be used in series or parallel configurations to sculpt the sound.

4.3 Modulation Matrix

The 16-slot modulation matrix provides extensive routing options for modulating various parameters. Sources such as LFOs, envelopes, and external CV can be assigned to destinations like oscillator pitch, filter cutoff, and effect parameters.

4.4 Effects Section

The UNO Synth Pro X includes 12 studio-quality effects organized into three slots. These effects cover categories such as reverbs, delays, and modulations, allowing for further sound enhancement and spatialization.

4.5 Presets and Sequencing

The unit comes with 256 user-editable presets, including 100 factory presets. A 64-step sequencer with 80 parameters and a 10-mode onboard arpeggiator are available for creating complex melodic and rhythmic patterns.

5. SOFTWARE EDITOR

The UNO Synth Pro X includes a comprehensive software editor that provides a visual interface for deep editing and management of all synthesizer parameters. This editor allows users to:

- Access and adjust every parameter of the synthesizer.
- Save, organize, and recall presets efficiently.
- Integrate the synthesizer seamlessly into your Digital Audio Workstation (DAW) for a streamlined workflow.

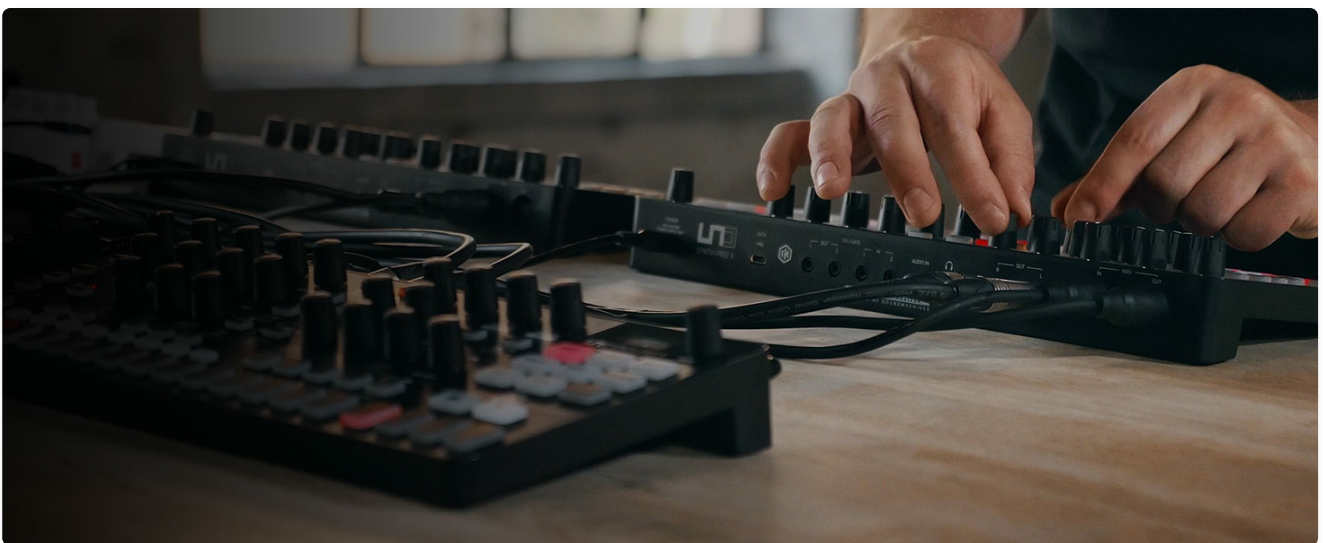


Figure 5.1: The UNO Synth Pro X software editor interface on a laptop screen.

6. MAINTENANCE

6.1 Cleaning

To maintain the appearance and functionality of your UNO Synth Pro X, regularly wipe the surface with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish and electronic components.

6.2 Firmware Updates

Periodically check the IK Multimedia website for firmware updates. Updates may provide new features, performance improvements, or bug fixes. Firmware updates typically require connecting the device to a computer via USB and using a dedicated updater application. Registration of your product may be required to access the latest firmware.

7. TROUBLESHOOTING

If you encounter issues with your UNO Synth Pro X, consider the following common troubleshooting steps:

- **No Sound Output:** Verify all audio cables are securely connected. Check the volume levels on the synthesizer, your audio interface, and monitoring system. Ensure the correct audio output is selected in your DAW if applicable.
- **MIDI Connectivity Issues:** Confirm MIDI cables are correctly connected (MIDI OUT to MIDI IN, and vice-versa). Check MIDI settings on the UNO Synth Pro X and your controlling device/DAW to ensure matching MIDI channels and proper device recognition.
- **Power Problems:** Ensure the USB-C power cable is firmly connected and the power source is active and providing sufficient power. Try a different USB port or power adapter if available.
- **Software Editor Not Connecting:** Ensure the UNO Synth Pro X is powered on and connected via USB to your computer. Close and reopen the software editor and/or restart your computer. Check for any driver updates if necessary.

For more detailed troubleshooting guides and technical support, please visit the official IK Multimedia support website.

8. SPECIFICATIONS

Feature	Detail
Model Name	IK Multimedia UNO Synth PRO X
Model Number	IP-UNO-SYNTHPROX
Brand	IK Multimedia
Color	Black
Material	Plastic, Aluminum
Item Weight	810 Grams
Connector Type	USB-C
Included Components	Software Editor
Warranty	2 years

9. OFFICIAL PRODUCT VIDEO

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Video 9.1: An official product video from IK Multimedia showcasing the UNO Synth Pro X and its features, titled 'UNO Synth Pro X. Freedom of Sound'.

10. WARRANTY AND SUPPORT

10.1 Product Warranty

The IK Multimedia UNO Synth Pro X comes with a 2-year limited warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For full details regarding warranty terms, conditions, and limitations, please refer to the warranty information provided with your product or visit the IK Multimedia website.

10.2 Customer Support

For technical assistance, product registration, software downloads, and additional resources, please visit the official IK Multimedia support page:

- **IK Multimedia Support:** www.ikmultimedia.com/support

You can also find FAQs, tutorials, and community forums on their website to help you get the most out of your UNO Synth Pro X.