

Behringer UMX610

Behringer U-CONTROL UMX610 61-Key USB/MIDI Controller Keyboard User Manual

1. INTRODUCTION

1.1 Product Overview

The Behringer U-CONTROL UMX610 is a highly flexible master keyboard designed for a wide range of applications, including controlling hardware synthesizers, general MIDI sound modules, effects devices, sequencing software, and computer plug-ins. This 61-key USB/MIDI controller offers total flexibility and ease of use, enabling intuitive realization of musical ideas.



Figure 1: Front view of the Behringer U-CONTROL UMX610 MIDI Controller.

1.2 Key Features

- Velocity-sensitive USB/MIDI keyboard with 61 high-quality full-size keys.
- Integrated USB/Audio interface for recording and playback of digital music files.
- Compatible with PC and Mac computers without requiring additional drivers.
- Includes energyXT2.5 Compact BEHRINGER Edition music production software.
- Features the intuitive NI KorePlayer sound module with a 300 MB sound library.
- Offers 100 virtual instruments and 50 VST effects for creative sound design.

2. SETUP

2.1 Unpacking

Carefully unpack your UMX610 controller. Retain the packaging materials for future transport or storage. Ensure all components are present and undamaged.

2.2 Connections

The UMX610 connects to your computer via a standard USB cable. The device is typically bus-powered through the USB connection, eliminating the need for an external power supply when connected to a computer. An optional DC power input is available for standalone operation or when USB power is insufficient.

- **USB Connection:** Connect the USB cable from the UMX610 to an available USB port on your PC or Mac.
- **MIDI Out:** Use a standard MIDI cable to connect the MIDI OUT port of the UMX610 to the MIDI IN port of external MIDI hardware (e.g., synthesizers, sound modules).
- **Audio Interface:** The integrated USB/Audio interface allows for audio input and output. Connect your audio sources to the input jacks and monitors/headphones to the output jacks.



Figure 2: Rear panel connections of the UMX610, including USB, MIDI Out, and audio ports.

2.3 Software Installation

The UMX610 is designed for plug-and-play operation with most modern Windows and macOS systems, requiring no specific driver installation. For music production, the included energyXT2.5 Compact BEHRINGER Edition software provides a feature-rich audio/MIDI sequencer. Install this software from the provided media or download it from the Behringer website if necessary.

3. OPERATING INSTRUCTIONS

3.1 Basic Keyboard Functions

The 61 velocity-sensitive keys respond to the force of your touch, allowing for expressive musical performance. The keyboard transmits MIDI note data to your connected computer or external MIDI devices.

3.2 Control Elements

The UMX610 features various control elements for real-time manipulation of sounds and parameters:

- **Pitch Bend Wheel:** Used to momentarily raise or lower the pitch of notes.
- **Modulation Wheel:** Typically used to add vibrato or other modulation effects. Its function can often be assigned in your software.
- **Assignable Knobs:** Eight rotary knobs can be assigned to control various parameters in your software or external MIDI devices.
- **Assignable Buttons:** A set of buttons provides additional control, often used for transport functions (play, stop, record) or patch changes.

- **Octave Shift Buttons:** These buttons allow you to shift the entire keyboard range up or down in octaves.
- **ASSIGN and USER MEMORY Buttons:** Used for programming and storing custom control assignments.



Figure 3: Left-hand controls, including Pitch Bend and Modulation wheels.



Figure 4: Central keys and assignable knobs/buttons.

3.3 Programming Controls

The UM610 allows for custom assignment of its knobs and buttons to MIDI Continuous Controller (CC) messages or other MIDI functions. Refer to the detailed programming section in the comprehensive user manual (available as PDF from the Behringer website) for step-by-step instructions on how to assign and store your preferred control configurations.

3.4 Velocity Sensitivity Adjustment

The keyboard's velocity response can be adjusted to match your playing style. The UM610 typically offers various velocity curve settings (e.g., light, medium, heavy) that alter how the keyboard interprets your touch intensity. Consult the full manual for instructions on how to access and change these settings.

4. MAINTENANCE

4.1 Cleaning

To clean the UM610, use a soft, dry, or slightly damp cloth. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish and electronic components. Do not spray liquids directly onto the keyboard.

4.2 Storage

When not in use, store the UM610 in a clean, dry environment away from direct sunlight, extreme temperatures,

and excessive humidity. If possible, use the original packaging for long-term storage to protect against dust and physical damage.

5. TROUBLESHOOTING

5.1 Common Issues and Solutions

- **No Sound or MIDI Signal:**
 - Ensure the USB cable is securely connected to both the UMX610 and your computer.
 - Verify that your Digital Audio Workstation (DAW) or music software recognizes the UMX610 as a MIDI input device. Check MIDI settings within your software.
 - If using external MIDI hardware, confirm the MIDI OUT cable is connected correctly and the external device is powered on and configured to receive MIDI.
- **Keys Not Responding:**
 - Check if the UMX610 is receiving power (indicated by LEDs). If bus-powered, ensure the USB port provides sufficient power.
 - Confirm that the correct MIDI channel is selected in your software or external device.
- **Inconsistent Velocity Sensitivity:**
 - Adjust the velocity curve settings on the UMX610 or within your music software to better match your playing dynamics.
- **Control Knobs/Buttons Not Working:**
 - Ensure the controls are properly assigned to parameters in your software. Refer to your software's manual for MIDI mapping instructions.
 - Check if the UMX610's 'ASSIGN' or 'USER MEMORY' functions are correctly configured.

6. SPECIFICATIONS

Feature	Detail
Brand	Behringer
Model Name	UMX610
Number of Keys	61
Key Type	Velocity-sensitive, Full-size
Connectivity Technology	USB
Compatible Devices	Laptop, PC, Mac
Platform	Mac OS X, Windows XP (and newer)
Hardware Interface	USB, MIDI Out
Control Type	Keyboard Controller, Buttons, Dial
Item Weight	10.3 pounds (approx. 4.67 kg)

Material Type	Plastic
Color	Red

7. WARRANTY INFORMATION

For detailed warranty information regarding your Behringer U-CONTROL UMX610, please refer to the official Behringer warranty policy available on their website. You can typically find this information at www.music-group.com/warranty.aspx.

8. SUPPORT

Should you require further assistance or have questions not covered in this manual, please visit the official Behringer support website or contact their customer service. You can find more resources and contact information by visiting the [Behringer Store on Amazon](#) or their main corporate website.

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