M-Audio Oxygen 61

M-Audio Oxygen 61 IV User Manual

61-Key USB/MIDI Keyboard Controller

Introduction

The M-Audio Oxygen 61 IV is a compact, ultra-portable performance keyboard controller designed for music production and live performance. It features 61 full-size, synth-action velocity-sensitive keys, 8 velocity-sensitive trigger pads, 8 assignable knobs, and 9 assignable faders. This manual provides essential information for setting up, operating, and maintaining your Oxygen 61 IV.



Figure 1: Front view of the M-Audio Oxygen 61 IV keyboard controller.

Setup

The Oxygen 61 IV is designed for simple plug-and-play functionality. Follow these steps to set up your device:

1. **Connect to Computer:** Use a standard USB cable to connect the Oxygen 61 IV to an available USB port on your computer. The device is USB powered and does not require an external power adapter.
2. **Software Installation:** The Oxygen 61 IV includes a comprehensive production software package. Install the included software such as Ableton Live Lite, SONiVOX Twist, and AIR Music Tech Xpand 2 on your Mac or PC.
3. **Driver Installation:** The Oxygen 61 IV is class compliant, meaning it typically does not require additional drivers for basic functionality on most operating systems. If prompted, follow on-screen instructions for any necessary driver installations.

4. **DAW Integration:** Utilize the innovative DirectLink feature for automatic mapping of controls to popular Digital Audio Workstations (DAWs) including Ableton Live, Pro Tools, Logic, and Cubase. Refer to your DAW's documentation for specific setup instructions.



Figure 2: Rear view showing the USB port and power switch.

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Video 1: An overview of the M-Audio Oxygen 61 IV, highlighting its features and connectivity. This video demonstrates the physical aspects and basic setup of the device.

Operating the Oxygen 61 IV

The Oxygen 61 IV offers a range of controls for expressive performance and precise manipulation of virtual instruments and DAW parameters.

Key Features:

- **61 Velocity-Sensitive Keys:** Full-size keys provide a responsive playing experience.
- **8 Velocity-Sensitive Trigger Pads:** Ideal for beat production, sample triggering, and clip launching.
- **8 Assignable Knobs:** Control various parameters in your software, such as filter cutoff, resonance, or effect sends.
- **9 Assignable Faders:** Perfect for mixing, controlling instrument levels, or automating parameters.
- **Pitch Bend and Modulation Wheels:** Add expression to your performances.
- **Dedicated Octave Buttons:** Easily shift the keyboard's melodic range up or down.
- **Transport Controls:** Play, Stop, Record, and other functions to control your DAW directly from the keyboard.
- **LCD Screen:** Provides instant feedback on parameter values and settings.



Figure 3: The Oxygen 61 IV integrated into a typical studio environment.

Using Controls:

The assignable knobs and faders can be mapped to control virtually any parameter in your software. The LCD screen displays the current value of the selected parameter, providing visual feedback.



Figure 4: Detailed view of the assignable knobs and faders for precise control.

The velocity-sensitive trigger pads allow for dynamic drum programming and sample playback. The sensitivity of these pads can often be adjusted within your DAW or the Oxygen 61 IV's global settings.

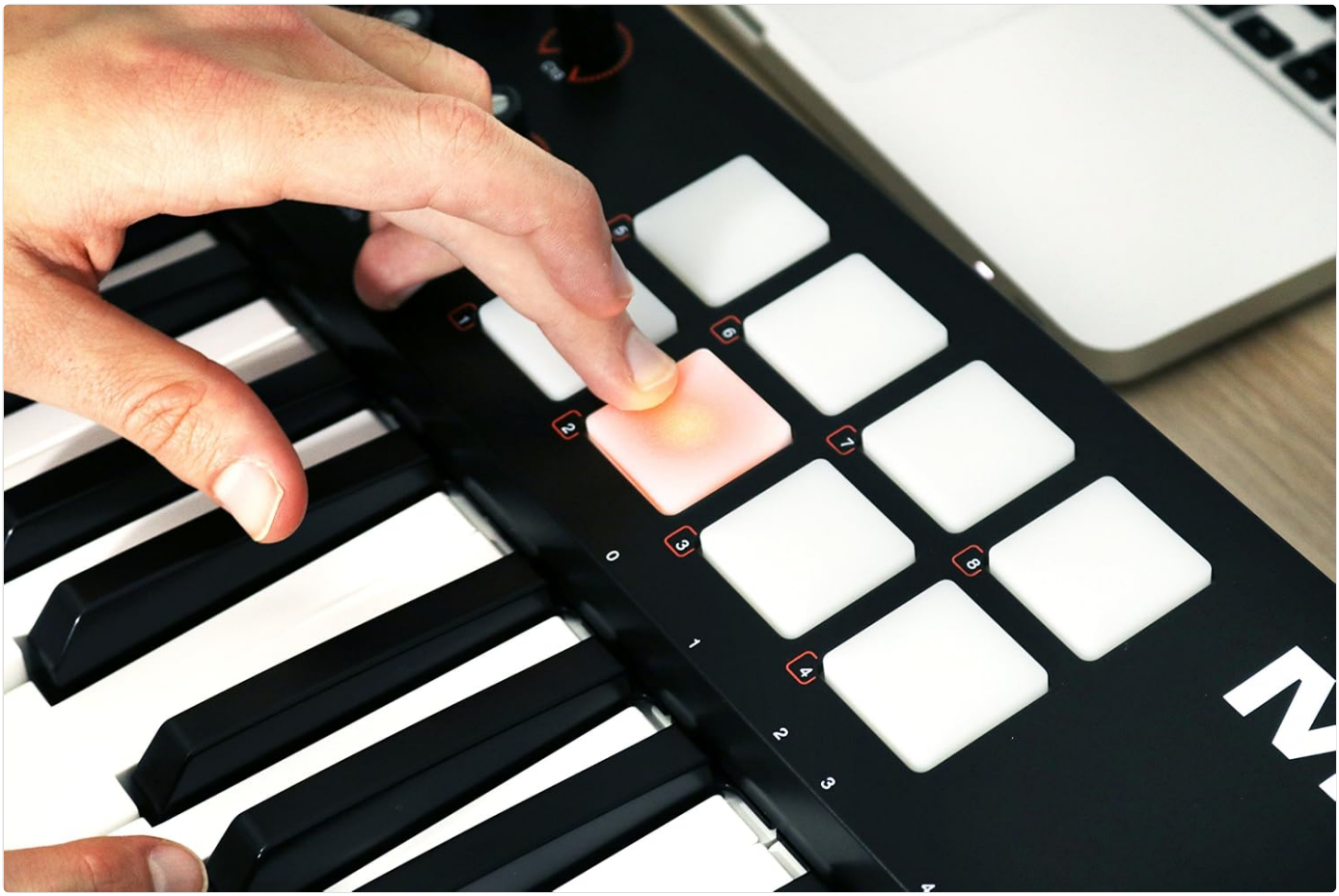


Figure 5: A hand demonstrating the use of the velocity-sensitive trigger pads.

The full-size keys provide a comfortable playing surface for various musical styles. The pitch bend and modulation wheels, located on the left, allow for real-time expressive control over your sounds.



Figure 6: Hands playing the 61 full-size keys of the Oxygen 61 IV.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your Oxygen 61 IV.

- **Cleaning:** Use a soft, dry cloth to wipe down the surface of the controller. For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by a dry cloth. Avoid abrasive cleaners or solvents.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight, extreme temperatures, and excessive humidity. When not in use, consider covering the unit to protect it from dust.
- **Handling:** Avoid dropping the unit or subjecting it to strong impacts. Do not place heavy objects on top of the keyboard.

Troubleshooting

If you encounter issues with your Oxygen 61 IV, try the following common troubleshooting steps:

- **No Power/Connection:** Ensure the USB cable is securely connected to both the Oxygen 61 IV and your computer. Try a different USB port or cable.
- **No Sound/MIDI Output:**
  - Verify that the Oxygen 61 IV is recognized by your computer's operating system and your Digital Audio Workstation (DAW).
  - Check MIDI input settings within your DAW to ensure the Oxygen 61 IV is enabled.

- Ensure your virtual instrument or software synthesizer is loaded and correctly routed to an audio output.

- **Controls Not Responding:**
  - Confirm that DirectLink or manual MIDI mapping is correctly configured in your DAW.
  - Check the LCD screen for any error messages or unexpected values.
  - Perform a factory reset if necessary (refer to the full product manual for specific instructions on factory reset procedures).
- **Software Issues:** Ensure your DAW and included software are up to date. Reinstall software if corruption is suspected.

For further assistance, consult the comprehensive online support resources available on the M-Audio website or contact M-Audio customer support.

Specifications

Feature	Detail
Model Name	Oxygen 61 IV
Number of Keys	61 full-size, velocity-sensitive
Trigger Pads	8 velocity-sensitive
Assignable Knobs	8
Assignable Faders	9
Connectivity	USB
Power	USB Powered
Compatible Devices	Ableton Live, Pro Tools, Logic, Cubase (via DirectLink)
Item Weight	7.49 pounds
Product Dimensions	9.56 x 38.46 x 3.7 inches

Warranty and Support

M-Audio products are covered by a limited warranty. For detailed warranty information, product registration, and technical support, please visit the official M-Audio website. Online resources include FAQs, driver downloads, and contact information for customer service.

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