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M-Audio OXYGEN49MK3

M-Audio Oxygen 49 MK III User Manual

Model: OXYGEN49MK3

1. INTRODUCTION

The M-Audio Oxygen 49 USB MIDI controller is designed to provide advanced functionality for mobile music production. This 49-key controller features assignable knobs and sliders, along with dedicated transport and track select buttons, enhancing control over Digital Audio Workstation (DAW) functions and virtual instruments. Its DirectLink mode simplifies control mapping, while built-in factory presets support popular virtual instruments without complex setup. The velocity-sensitive keys and compact design make it suitable for both studio production and live performance.

Key Features:

- Bus-powered 49-key USB MIDI controller for easy computer connectivity.
- 8 assignable knobs and 9 assignable sliders for controlling DAW and virtual instrument parameters.
- DirectLink mode for instant controller mapping to common DAW functions.
- Dedicated transport and track select buttons for streamlined session control.
- Pro Tools compatibility for hands-on control of the industry-standard DAW.

2. SETUP

Package Contents:

- Oxygen 49 keyboard controller
- USB cable
- Printed quick start guide
- PDF user guide (on CD-ROM)

- Installer CD-ROM

Minimum System Requirements:

Ensure your system meets the following specifications for optimal performance:

Operating System	Processor	RAM
Windows XP (SP3)*	1 GHz Intel or AMD**	512MB
Windows Vista 32/64-bit (SP1) / Windows 7 32/64-bit	1.6 GHz Intel or AMD**	1 GB
Mac OS X 10.4.11 or 10.5.6	Macintosh G4 1GHz**	512MB

**Home and Professional Edition only. Windows Media Center Edition is not supported.*

***CPU may be higher for laptops. M-Audio suggests checking your software's minimum system requirements, as they may exceed these.*

Initial Connection:

1. Connect the Oxygen 49 to your computer using the provided USB cable. The device is USB bus-powered, meaning it draws power directly from the USB connection.
2. Insert the Installer CD-ROM into your computer's drive and follow the on-screen instructions to install any necessary drivers or bundled software.
3. Once installed, your computer should recognize the Oxygen 49 as a MIDI device.

3. OPERATING THE OXYGEN 49 MK III

Streamlined Session Control:

The Oxygen 49 provides extensive control over your music production sessions. With eight assignable knobs, nine assignable sliders, dedicated transport controls (play, stop, record, etc.), and track up/down buttons, you can manage your DAW without constantly switching between your computer keyboard and the controller.



Figure 1: Front view of the M-Audio Oxygen 49 MK III, showing the 49 keys, assignable knobs, and sliders.

DirectLink Mode:

DirectLink mode automatically maps the Oxygen 49's controls to common parameters within compatible DAWs. This includes mixer functions, track panning, and plug-in parameters. Factory presets also offer instant mapping for popular virtual instruments such as Xpand!2, Hybrid, Velvet, Strike, Oddity, ImpOScar, and MiniMonsta.

Use the dedicated **Select** buttons to quickly switch MIDI channels and presets, allowing for tactile control over

multi-timbral software instruments. For a list of compatible DAW applications, refer to the M-Audio website.



Figure 2: Close-up view of the 'Oxygen 49' branding and a section of the assignable sliders, highlighting the control surface.

Pro Tools Compatibility:

The Oxygen 49 integrates directly with Pro Tools software, providing immediate control over key parameters in the Mixer, Edit, and Transport windows. This integration extends to the virtual instruments bundled with Pro Tools, offering a streamlined workflow for industry-standard music production.



Figure 3: Detailed view of the transport controls and other assignable buttons on the Oxygen 49 MK III, including 'Select' and 'Global' functions.

4. SPECIFICATIONS

Detailed technical specifications for the M-Audio Oxygen 49 MK III:

- **Keys:** 49 velocity-sensitive keys
- **Knobs:** 8 MIDI-assignable knobs
- **Sliders:** 9 MIDI-assignable sliders
- **Controls:** 6 dedicated transport controls, dedicated track up/down buttons
- **Velocity Curves:** 4 velocity curves and 3 fixed velocity settings
- **Input:** Sustain pedal input
- **Connectivity:** USB bus powered, Class-compliant with Windows XP, Windows Vista, and Mac OS X
- **MIDI Data (Variable Controllers):** MIDI Control Number, RPN/NRPN, Program, Bank LSB, Bank MSB, Pitch Bend, GM/GM2/XG SysEx Messages
- **MIDI Data (Buttons/Switches):** Note On, Note On/Off toggle, MIDI CC On/Off toggle, Program, Bank LSB, Bank MSB presets, MIDI Machine Control functions, GM/GM2/XG SysEx messages
- **Weight:** 6.4 lbs. (2.9 kg)
- **Dimensions (L x W x H):** 29" x 9.4" x 3.7" (73.66 cm x 23.88 cm x 9.4 cm)
- **Compatible Devices:** Laptop, PC
- **Connector Type:** USB

- **Hardware Interface:** USB
- **Supported Software:** Avid Pro Tools
- **Musical Style:** Electronic

5. MAINTENANCE

To ensure the longevity and optimal performance of your M-Audio Oxygen 49 MK III, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the surface of the controller. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the device. Avoid abrasive cleaners or solvents.
- **Storage:** Store the controller in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. If transporting, use a padded case to protect it from physical damage.
- **Dust Protection:** When not in use, cover the controller to prevent dust accumulation, which can affect the keys, knobs, and sliders.
- **Cable Care:** Handle the USB cable carefully. Avoid sharp bends or kinks, and always grasp the plug, not the cable, when disconnecting.

6. TROUBLESHOOTING

If you encounter issues with your Oxygen 49 MK III, consider the following common troubleshooting steps:

- **No Power/Not Recognized:** Ensure the USB cable is securely connected to both the controller and your computer. Try a different USB port or cable. Verify that your computer meets the minimum system requirements.
- **No Sound/MIDI Output:** Check your DAW or software's MIDI settings to ensure the Oxygen 49 is selected as an input device. Confirm that the correct MIDI channel is selected on both the controller and your software.
- **Controls Not Responding:** If knobs or sliders are not controlling parameters in your software, ensure DirectLink mode is active or that the controls are properly mapped within your DAW. Check if the controller is in the correct preset mode for your virtual instrument.
- **Driver Issues:** If the device is not recognized or behaving erratically, try reinstalling the drivers from the provided CD-ROM or the M-Audio website.
- **Intermittent Connectivity:** Avoid connecting the controller through unpowered USB hubs. Connect directly to a powered USB port on your computer.

For more complex issues, consult the full PDF user guide on the installer CD-ROM or visit the official M-Audio support website.

7. WARRANTY AND SUPPORT

M-Audio products are designed for reliability and performance. For information regarding product warranty, please refer to the documentation included with your purchase or visit the official M-Audio website.

For technical support, driver updates, and additional resources, please visit the [M-Audio Store on Amazon](#) or the main M-Audio support portal.