



25-key mobile USB controller

Quick Start Guide

This guide is intended to help get you started quickly. In order to achieve optimal usage of your new O₂, we recommend that you carefully study the enclosed product manual, either after completing the process described in this guide or before.

M-AUDIO

Introduction

Congratulations on your purchase of M-Audio's O₂. The O₂ follows in the footsteps of the mobile USB MIDI controller that started it all—the Oxygen8. Small enough to fit in a bag along with your laptop, the slim-line M-Audio O₂ is perfect for throwing down bass lines, programming drum patterns, triggering effects and tweaking virtual studio parameters—anywhere, anytime.

This guide provides a basic overview of how to use the O₂. Please refer to the complete manual, found on the Documentation CD, for more comprehensive instructions and information about advanced functionality.

What's in the package?

Your M-Audio O₂ package should contain the following items:

- O₂ keyboard
- Documentation CD
- Software Bundle CD
- USB Cable

Power and Connection Via USB

You can power the keyboard via USB or an optional external power supply. Use only one method at a time.

1. Check that the on/off button on the back of the unit is set to "Off."
2. Plug in the USB cable provided with the M-Audio O₂ to a free USB port on your computer.
3. Plug in the other end of the USB cable to the USB input on the M-Audio O₂.

The single USB cable not only powers the M-Audio O₂ but also sends MIDI data to and from your computer system.

You can also use a power adapter (not included) with the following specification: 9V DC output, 250-300mA, center positive.

Verify that you are not powering the M-Audio O₂ keyboard via USB, then simply plug in the power supply to the input labelled DC 9V and switch the power on.

Note: Do not leave the adapter plugged in for long periods of time if the unit is not in use.

Windows XP and Mac OS X

If you are using Windows XP or Mac OS X, you may simply switch the power position to "on." Because the M-Audio O₂ keyboard is class compliant, it will work with out any further installation.

M-Audio O₂ Features and Functions

If the installation process has been completed successfully, please read through the following pages for a better understanding of the O₂ and how it works.

Program Mode

This manual refers to "Program Mode." Program Mode defines the state of the M-Audio O₂ when the ADVANCED FUNCTION button is pressed.

In Program Mode, the keyboard of the M-Audio O₂ is set up for selecting functions. The functions are listed

above each key on the O₂ keyboard. The second octave of the O₂ keyboard is for numerical data entry while in Program Mode.

The Preset “+” and “-” buttons can be used for increment or decrement changes in assigned value when in Program Mode.

When entering numerical values in Program Mode, the LED shows the value entered. This value will update as you enter numerical data.

If the M-Audio O₂ is in Program Mode, a small dot will appear in the bottom right hand corner of the LED display.

Note that pressing the GLOBAL CHAN button will also engage Program Mode, since the numerical data entry keys are required to enter the new channel assignment. Also, the preset “+” and “-” buttons can be used.

Exit Program Mode by pressing the ADVANCED FUNCTION button when you are finished with programming. The ENTER key must be pressed each time the numerical data entry keys are used to enter a value. Once the ENTER key has been pressed, Program Mode will exit.

Testing the M-Audio O₂ with Your Software

We recommend that you verify that your software application is properly communicating with the M-Audio O₂ keyboard. Most software applications have a MIDI IN indicator. To confirm data is being received, press any key on the keyboard.

If you encounter any issues or the software receives no data, please verify you selected the keyboard’s USB driver as the MIDI Input for your software. In addition, please read the troubleshooting section at the back of this manual and please consult the manual that came with your software for proper configuration within the software application.

Recalling Presets

Press the Preset “+” and “-” button to recall one of the preset memories. The LED will display the currently selected preset, preceded by a “p.” Press the button again to change the preset to the next one in the series.

The following is a list of the presets contained in the 5 memory locations.

- 01 GM Preset
- 02 Reason Native
- 03 Reason Mixer
- 04 Yamaha XG/Roland JV Preset
- 05 Undefined CC’s for MIDI learn*

*Some Applications do not have any default settings and require you to set the MIDI controllers for the application’s parameters yourself. This normally involves placing the application in MIDI Learn Mode, clicking on a controller and moving the dial. With such an application, it is recommended that you use controller numbers that tend not to have any function associated with them. Ableton Live is an example of an application that uses the MIDI Learn feature.

Saving and Organizing Presets

You may want to save and reorganize the order of Presets to suit your setup.

Note that the factory presets are stored in ROM within the keyboard and can be restored at any time.

For example, let's move preset 2 ("Reason Native") to location 4 by carrying out the following procedure:

1. Recall preset 2 by pressing the Preset "+" and "-" buttons accordingly.
2. Press the ADVANCED FUNCTION button. The keyboard will enter Program Mode.
3. Press the STORE key on the keyboard.
4. Type in "4" using the numerical data entry keys.
5. Press the ENTER key to confirm.

This will save or store the current setup to preset location 4.

If you want to reset the M-Audio O₂ to the factory defaults, hold down the Preset "+" and "-" buttons while switching the keyboard on.

NOTE: Restoring the Factory presets will erase all setups you have programmed and stored to memory.

You can also organize and store your presets on your computer using the Enigma software. This software is available as a free download at www.m-audio.com. Simply register your M-Audio product and follow the instructions from there.

Octave

The keyboard can be shifted up or down to give you access to a total of 11 octaves on the M-Audio O₂.

1. Press "OCTAVE +" for every octave you want to shift the keyboard up.
2. Press "OCTAVE -" for every octave you want to shift the keyboard down

Pitch Bend Control

The Pitch Bend is used to bend the notes played on the keyboard up or down. This allows phrases not normally associated with keyboard playing, such as guitar riffs, to be played.

Your sound source determines how far you can bend the note. It is typically set to 2 semitones but can be up to 2 octaves +/- . When you release the control, it will reset back to 0.

The Pitch Bend control on your M-Audio O₂ keyboard is fully MIDI assignable. Please refer to the "Programming and Editing" section of this manual for more information.

Modulation Control

The Modulation control is used for modulation of the sound being played. This type of real-time controller was introduced on electronic keyboards to give the performer the option of adding vibrato to similar to acoustic instruments.

The Modulation control on your M-Audio O₂ keyboard is fully MIDI assignable. Please refer to the "Programming and Editing" section of this manual for more information.

ESD and Fast Transient may cause the unit to temporarily malfunction.
Switch off and on again to restore normal operation.

