



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for M-AUDIO OZONE. You'll find the answers to all your questions on the M-AUDIO OZONE in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual M-AUDIO OZONE**  
**User guide M-AUDIO OZONE**  
**Operating instructions M-AUDIO OZONE**  
**Instructions for use M-AUDIO OZONE**  
**Instruction manual M-AUDIO OZONE**

<b>M-AUDIO</b>		<b>M-Audio Ozone</b>
<small>version: MA-Ozone_052803</small>		
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and Mac driver disk Owner's manual and warranty card Power Adaptor 4 Guide to Getting Started Here is an outline of the steps needed to begin using your M-Audio Ozone on either a Mac or a PC: 1. Install the Driver (see "Software Installation"). 2. Attach the M-Audio Ozone to your computer (see "Hardware Installation"). 3. Connect your sound module to the M-Audio Ozone (see "M-Audio Ozone MIDI Setup"). 4. Connect the audio inputs and outputs to your mixer or monitor system (see "M-Audio Ozone Audio Setup"). 5.

Configure the M-Audio Ozone in your application software (see "Using the M-Audio Ozone in your Application Software"). M-Audio Ozone Panel Features  
Top Panel 1. Pitch Bend Wheel: The Pitch Bend Wheel sends out MIDI messages used for raising or lowering the pitch of a voice during performance, starting from and always returning to a center "detent" point. The range of pitch values depends on the sound generator (sound card/module or soft synth) being used. Please refer to the manual of your particular device for information on how to change the pitch bend range. To bend the pitch up, move the wheel away from you. To bend the pitch down, move the wheel towards you. 2. Modulation Wheel: It is very common to use the Modulation Wheel to change the intensity of effects, such as Vibrato (pitch change), Tremolo (change in volume), and Modulation (change in tone). The Modulation Wheel produces a vibrato effect shortly after the sound is generated, and is most effective for solo instruments such as saxophone, strings, and oboe.

Similar to the pitch wheel, the actual effect and range of that effect will be set from within your MIDI sound module. 5 3. Data Entry Slider: This slide controller allows you to adjust the value of parameters such as Volume, Velocity, Aftertouch, and virtually any assignable MIDI control parameter directly from your keyboard. Making settings with the data slider is covered in the "Utilizing the Programming Keys" section of this manual. 4.

MIDI/SELECT Button: Use this button to select different MIDI commands using certain keys from your keyboard. Activation of this key is indicated by a lit LED on the MIDI/Select Button.



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When MIDI/SELECT is activated, the keyboard becomes a set of function keys for setting MIDI parameter commands. 5. Octave Up & Down / Preset buttons: Pressing these buttons during normal use will allow you to select the octave orientation of the M-Audio Ozone's keyboard.

Following a pressing of the MIDI/SELECT button, they alternately allow you to select the preset-bank setting (P1-P5) of the M-Audio Ozone's keyboard. Pressing the MIDI/SELECT button again, after a preset-bank selection, will return these buttons to their normal octave-select function. 6. Rotary Controller Knobs: These eight programmable rotary knobs can be used to send any MIDI controller data on any MIDI channel. This is perfect for use with hardware and software synthesizers, for automating software mixers, or for controlling any devices that will respond to MIDI commands. In the "Programming Assignment Keys" section, the "Set CNTRL Key" instructions will show you how to program this special feature. 7. Mic/Inst. Gain: These knobs control the preamp gain of the Mic In (Ch 1) and Instrument In (Ch 2). This level is sent to the USB output for computer recording, and also to the M-Audio Ozone Output 1 & 2 when the Direct Monitor level controls are used.

8. Signal and Clip Indicators: These indicators show the output level of the signal coming from the Mic and Instrument Ins. For more information on setting these controls, see the section of this manual titled, "Setting Input Gain." 9. Direct Monitor Level Knobs: These knobs set the monitor level of the Mic In (Ch 1) and Instrument In (Ch 2) preamp signals before they are sent to the computer. These listening levels can then be heard at Outputs 1 & 2, and also at the Headphone Out. When the Aux Input "Record/Monitor" switch is set to Record, these Direct Monitor Level controls then control the monitor level for the Aux Input signal. For more information, see the section of this manual titled, "Using Direct Monitor." 10. Headphone Level: This control sets the level of the audio going to the headphone output.

11. Phantom Power Indicator: This light indicates that 48V phantom power is being sent to the Mic In (Ch 1). Phantom Power is turned on and off by the Phantom Power switch on the M-Audio Ozone's rear panel. 12. Key Programming Assignments: After pressing the MIDI/SELECT Button, the keys on the M-Audio Ozone become function keys that allow you to assign particular MIDI parameters as well as Program Change and MIDI Channel selections using the numbered key group.

6 Rear Panel 1. Power Switch: The Power Switch turns on the M-Audio Ozone. You probably figured that one out for yourself. 2. Power Jack: This jack is used to connect the keyboard to the supplied 9VAC 1000mA "wall-wart" type power supply. 3. USB Port: This USB connector jack your USB port is enabled. Check your computer manual for more information. To verify your Windows installation after you have carefully followed these instructions, you may check your system's "Device Manager," located in the Control Panel under "System" (in Windows 2000 or XP, also click the "Hardware" tab after clicking "Device Manager"). If you look in the Device Manager, you will find components for the M-Audio Ozone driver in two sections; once under the "Universal Serial Bus" controller group, and also under the "Sound, video, & game controllers & ve read the license agreement and agree to the terms. Click, "Yes," to continue. 4. Windows will need to restart your machine to complete the Direct X 8.1 installation. Click, "OK," to restart your system.

14 5. This is the first setup window for installing the M-Audio Ozone drivers after the installer has confirmed that you have DirectX version 8.1 (or higher) installed on your system. Make sure your M-Audio Ozone is powered off and that no other Windows programs are running, then click, "Next," to continue. 6. A "Digital Signature Not Found Window" will appear. As this is a relatively new product, it does not have an official Windows Digital Signature yet. Rest assured, our USB drivers are of the highest quality and will not cause problems in your system. Click, "Yes." 7.

An M-Audio Setup Window will appear next. Make sure both Enable Digital CD and Enable DMA Transfer Mode boxes are checked, then click "Next." 15 8. An M-Audio Setup Window will come up, confirming a successful setup. Click, "Next," to successfully install the M-Audio Ozone.

9. Windows will prompt you to restart the computer. Make sure that "Yes, restart my computer now," is checked and then click, "Finish," to restart 10. When you are completely restarted and at your desktop, power up the M-Audio Ozone. A "Digital Signature Not Found" Window will appear next. Again, just click "Yes." 11. Another Digital Signature Not Found Box will appear. Click, "Yes," again. 12. The driver is now installed in your computer. When you are completely restarted and at your desktop, power up the M-Audio Ozone. 16 Windows ME: Note: Windows ME comes installed with DirectX version 7. You must have DirectX version 8.1 in order to install the M-Audio Ozone.

The M-Audio Ozone installer will automatically check for the correct version of DirectX and install the latest Direct X update. This update will be skipped if you already have DirectX version 8.1 (or higher) in your system. 1. During this installation, the M-Audio Ozone must be powered off. Begin the installation process by inserting the Drivers CD ROM in your computer. Open the Ozone folder. Double-click on the Ozone.EXE icon on your driver CD. The installer will install DirectX version 8.

1 on your computer. Proceed with the DirectX installation by clicking, "Next." 2. Verify that you wish to continue installing DirectX 8.1 by clicking "Yes." 3. Verify that you have read the license agreement and agree to the terms. Click "Yes" to continue. 17 4. Windows will need to restart your machine to complete the Direct X 8.

1 installation. Click, "OK," to restart your system. 5. This is the first setup window for installing the M-Audio Ozone drivers after the installer has confirmed that you have DirectX version 8.1 (or higher) installed on your system. Make sure your M-Audio Ozone is powered off and that no other Windows programs are running, then click, "Next," to continue. 6. An M-Audio Setup Window will appear next. Make sure both Enable Digital CD and Enable DMA Transfer Mode boxes are checked, then click "Next." 18 7.

An M-Audio Setup Window will come up confirming a successful setup. Click, "Next," to successfully install the M-Audio Ozone. 8. Windows will prompt you to restart the computer. Make sure that "Yes, restart my computer now," is checked and then click, "Finish," to restart.



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When you are completely restarted and at your desktop, power up the M-Audio Ozone. Windows 98SE: 1. The M-Audio Driver CD should be inserted into the computer's CD-ROM drive. In this example the CD-ROM drive is letter "D." (The letter of your CD-ROM drive may be different, and you should change it accordingly.)

2. Now navigate to your CD-ROM drive. Browse the the M-Audio Ozone Folder and run the EXE driver. 3. The first window explains that your operating system needs to have Microsoft DirectX version 8.

1 or better before continuing with 19 installation (if you have not previously installed this update). Click "Next" to install DirectX 8.1. 4. Click next to verify that you would like to install Microsoft DirectX 8.

1. 5. The next window shows the Microsoft DirectX 8.1 license agreement. Click "Yes" to continue. 6. Click "OK" at the next window, to restart your computer. 20 7. After restart, the next window reminds you to verify that the M-Audio Ozone is disconnected from the USB bus before continuing, and that you have closed all other Windows applications. Do so now, then click "Next" to continue.

8. An M-Audio Setup Window will appear next. Make sure both "Enable Digital CD" and "Enable DMA Transfer Mode" boxes are checked, then click "Next."

9. The next window will prompt you to connect the USB cable from your M-Audio Ozone to your computer. Do not turn on the device yet! Click "Next" to continue. 21 10. The following window prompts you to restart your computer. With the checkmark enabled, click "Finish" to restart. 11.

After Windows has completely restarted, turn on your device using the power button on the back of the M-Audio Ozone. A window will then prompt you to click "Next" to continue. 12. The next window will prompt you to search for the best driver. Click "Next" to continue.

22 13. The next window defaults to browse to a specified location. Click "Next" to continue. 14. In the next window, click "Next" to install the recommended driver.

15. The next window prompts you that the driver will now be installed. Click "Next." 23 16. The final window tells you that installation is complete. Click "Finish".. After a few more 'automatic' windows which do not require any action, the installation procedure reaches completion, and your device is ready to use. M-Audio Ozone and the Windows Sound System After installation, the M-Audio Ozone's Windows Multimedia drivers will allow you to use the M-Audio Ozone as your Windows system sound device. If the M-Audio Ozone is the only audio device installed in your computer, then Windows will select it automatically.

Otherwise, you may need to tell Windows to use the M-Audio Ozone. To check your Windows Audio setting and select the M-Audio Ozone: 1. Go to the Start menu, and then choose Control Panel (in Windows 98SE and Me, you will need to go to Start/Settings, in order to get to the Control Panel). 2. Open "Sounds and Audio Devices" (in Win 98SE, choose "Multimedia"), then click the "Audio" tab. 3. Under "Sound Playback," the default device should say "Ozone." If it does not, then drop down the list of devices and select "Ozone." 4. Click "Apply," then click "OK."

" Close your Control Panel. Macintosh Driver Installation If you are using OS 9, you must first install Opcode's OMS. OMS is a MIDI manager program that is made by Opcode and is required to run the M-Audio Ozone on the Macintosh in OS 9. OMS is available on the MAudio Ozone drivers page of our website, or can be installed from the Driver CD. Note: It is important that you install OMS before running the M-Audio Ozone Installer.

24 OMS Installation To install OMS from the driver CD, locate the OMS 2.3.8 folder on this CD, find the OMS installer program in the folder, and double click on its icon to begin installation. Once this process completed successfully, you can move on to the M-Audio Ozone Installer. M-Audio Ozone Driver Installation The current release version of the M-Audio Ozone driver requires Macintosh operating system OS 9.

2.2 or higher. Some updates are offered free to Apple owners. Please check the Apple website at <http://www.info.apple.com> for update information. First-time installation: If you power up your Mac with the M-Audio Ozone attached and powered up, you will receive a message that an "unknown USB device has been detected." Click OK, and proceed with the driver installation. You may also install the drivers first, and then plug in the M-Audio Ozone.

ASIO Driver Installation Most modern music recording software programs use an audio driver standard called "ASIO." If your music program uses ASIO, you should take advantage of this low-latency audio driver by installing the ASIO driver. If you're unsure, check your music program's documentation to see if it is ASIO compliant. After installation of the M-Audio Ozone drivers in either OS 9 or OS X, you must copy the M-Audio Ozone's ASIO driver directly into your music program's ASIO folder. 1. On your Macintosh hard drive, locate and open the folder for your music program. Then, locate the ASIO folder. 2. On your M-Audio Ozone Drivers CD, open the Ozone folder, then the ASIO folder. Hold the Option key, then click on the ASIO driver.

3. Drag the ASIO driver from the M-Audio Ozone Drivers CD over to the music program's ASIO folder. If you have more than one music program that is ASIO compliant, repeat step 3 for each program. - Mac OS 9: 1. Insert the Driver Software CD.

Open the Ozone folder, then the USB folder. There, you will find the M-Audio Ozone Installer program. 2. Run the M-Audio Ozone Installer by double clicking on it. This installs all of the M-Audio Ozone's extensions as well as the M-Audio Ozone OMS Driver.

However, YOU MUST HAVE OMS INSTALLED FIRST 25 BEFORE YOU RUN THIS INSTALLER PROGRAM. Otherwise, the M-Audio Ozone OMS Driver will not be placed in the OMS folder. Once installed, you should have two files, one in System Folder: Extensions (M-Audio USB MIDI Support) and the other in System Folder: OMS Preferences (M-Audio USB OMS Support.) For more information, scroll through the Read me text which is presented on your screen during the installation process. - Mac OS X: The drivers for Mac OS X are found on the Driver CD, which comes with the product. You may also wish to check the M-Audio Ozone drivers page of our website to make sure you have the most recent version. The driver may be labeled "M-Audio Ozone" or "M-Audio USB." The OSX Installer Package icon looks like a cube of gelatin rising out of a cardboard box and usually ends with the suffix ".pkg". To install the software: 1.

Double-click on the installer package. 2. When prompted, enter the administrator password you chose when you installed OSX.



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Channel 1 of the M-Audio Ozone provides a microphone input on a balanced XLR connector. @@@@The Aux Input accepts a stereo signal via a TRS cable. @@@@It provides a low impedance microphone input on an XLR connector with optional phantom power.

A dynamic, condenser, or any other type of low impedance microphone will interface easily with the M-Audio Ozone's Mic Input. Channel 2 gives you a high impedance instrument preamp, designed to add preamp gain to an electric or acoustic guitar, keyboards, or even a high impedance mic. However, you may also attach a direct box or passive transformer to the M-Audio Ozone's Mic Input (Channel 1), which will then allow you to plug another electric or acoustic guitar or other high impedance instrument into the M-Audio Ozone's Mic Input. Additional information on using the Mic and Instrument Ins will be found in the next two sections. 34 Setting Input Gain The M-Audio Ozone provides up to 60dB of gain on the Channel 1 Mic In and 40dB of gain on the Channel 2 Instrument In.

Microphones typically emit a low signal level, requiring a "pre-amp" such as the M-Audio Ozone provides. Other instruments, such as guitar pickups and even some keyboard sound modules, will also benefit from a bit of punch from the M-Audio Ozone preamps. Plug in your mic or instrument with the gain controls turned down, then turn the gain up incrementally while testing the mic or playing the instrument. When the signal LED shows fairly consistent activity, you've reached a good signal level for the M-Audio Ozone mic preamp. Some users may wish to experiment a little further to find what audibly might be referred to as a "sweet spot." Note that when the "clip" LED lights, it is indicating that the preamp output signal is clipping, or is too close for comfort. Let your ears be the judge, but when the clip LED lights and stays lit, you are approaching or have reached distortion in your M-Audio Ozone signal. The best method is to turn up the gain, and then turn it down once you've started to clip the input signal. You must also consider the level that is being sent from the M-Audio Ozone to your recording software. Check the input meters within your software and make sure that they are neither too low nor clipping (too "hot").

An adjustment in gain on the M-Audio Ozone may be necessary, but your optimal recording level within your software should approach but never reach the maximum level. Additionally, because the M-Audio Ozone's preamps provide quite a bit of gain, it is recommended to turn the gain all the way down on unused inputs. You will find more information on setting record levels in the manual of your music software. Understand that in digital recording, clipping the meters in your program is never a good thing. If your level goes into the red once, you've got distortion! Phantom Power Unlike dynamic microphones, many "condenser microphones" need to receive a DC voltage (generally 48V) from an external source before they can generate an output signal. If the condenser mic doesn't come with its own power supply, then phantom power must be applied from the preamp. Setting the Phantom Power Switch to send phantom power on the M-Audio Ozone will send the necessary voltage to the XLR Mic Input. Phantom power will not affect a dynamic mic adversely, so it is fine to have a dynamic mic at the XLR input while phantom power is switched on. Just 35 to be safe, check your mic's documentation to see if it will accept or needs phantom power. Some ribbon mics definitely should NOT receive phantom power, as this could damage them.

Using the Aux Inputs The M-Audio Ozone has a pair of "Aux Input" line inputs, both on a single 1/4" TRS jack. It is designed so that a single connector contains both the left and right input from a stereo source, such as a synthesizer, drum machine, or CD player. This input is unbalanced, 10dBV line level.

Below is an example of the type of cable you will need to connect to the Aux Input--commonly referred to as an "Insert Cable." The Aux Input has two modes--Monitor and Record.

In Monitor mode, the Aux Input is mixed with the signal coming from your computer via the USB cable, and plays through Outputs 1 and 2 and the Headphone Out. In Record mode, the Mic In (Channel 1) and Instrument In (Channel 2) are disabled so that you can record the Aux Inputs to your computer. In other words, Record mode turns the Aux Inputs into line inputs to your computer, and is useful if you want to record a line level stereo source. You may, for example, want to use the Aux Input--in Monitor mode--to monitor a sound module that is being triggered by the M-Audio Ozone's MIDI Out jack. Then, when your MIDI sequence is complete, you may want to record that sound module as an audio track.

Recording your MIDI sequences as audio tracks allows you to apply effects and EQ, and then mix those tracks with other audio tracks (such as vocals and guitar) entirely from within your computer. To switch from Monitor mode to Record mode, simply press the Monitor/Record switch (located next to the Aux Input on the back panel) to the "in" position. Once you have done that, you will no longer hear the audio source that is plugged into the Aux Input. There are two ways that you can now monitor what you are about to record: · · Use the M-Audio Ozone's built-in zero-latency Direct Monitoring (see next section) - OR Use your ASIO or WDM-compliant (such as Cakewalk's "Sonar") program's input monitoring feature. See your music software user's guide for more info. 36 Also, as we mentioned, using Record mode defeats the Mic and Instrument inputs, so you will not be able to listen to or record from those inputs when the Aux Input is in Record mode. Another example is to use the Record mode only to switch Channel 1 and Channel 2 to line inputs, for the purpose of recording a tape deck, CD player, or other stereo line level source into your computer. Set the Monitor/Record switch to Record (the "in" position), then plug in your stereo source using an insert cable. Once you have set up the M-Audio Ozone to Record from the Aux Input, you will have to set up tracks in your music program for recording. Using Direct Monitor When a mic or instrument is plugged into the inputs of the M-Audio Ozone, its journey has just begun.

The signal needs to be converted to a digital signal, which then gets sent to the computer via the USB pipe. From there, it gets sent to your music software and processed, then turns around and comes all the way back. Even though the M-Audio Ozone uses the latest hardware and software technology, it might take a few fractions of a second to make this trip. Although this delay is imperceptible when the performance is played back, it can be distracting when you're performing music. To compensate for this delay, the M-Audio Ozone has a feature called Direct Monitor.



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**DATA ENTRY Assignments:** Pressing the MIDI/SELECT button then pressing a key labeled by its MIDI function (such as velocity offset, aftertouch, reverb depth, pan pot, volume, CC data) and then moving the data entry slider, allows you to select the transmitting value of the chosen function. For example, if you want to change the value of the velocity offset, first press the MIDI/SELECT button and then the velocity key. Second, change the data entry slider to the value you want. Finally, press the MIDI/SELECT button again to finish the change.

To assign any MIDI control value to the data slider: 1. 2. 3. 4. 5. Press Press Press Press Press the the the the the MIDI/Select button CC No. key (low B) number keys to choose the MIDI controller number Enter key MIDI/Select button to finish your selection. For a chart of MIDI control change values, see Appendix A in this manual. You can also use the data slider to send this MIDI controller information in real time. When the M-Audio Ozone powers up, the DATA ENTRY slider defaults to a MIDI controller value of 7.

A Controller 7 message is the equivalent of a MIDI volume message. Once you've selected one of the keys that represents a controller value, i.e., velocity, aftertouch, pan pot, etc., or assigned a value using the number keys, the DATA ENTRY key then takes on that value and will transmit that type of controller information when the slider is moved SET CTRL Key: Pressing the MIDI/SELECT button and then the SET CTRL key will allow you to begin programming the rotary control knobs.

In order to change the value of each knob (1 - 8), you need to do as follows: 1. Press MIDI/SELECT, then the Set Controller key, F3 (marked "SET CTRL.") The display will show a small "n" to indicate that the desired controller knob "number" should be entered next. 2. Choose the number of the desired controller knob using the number key group (1 - 8).

Then press the Enter key. The display will show a "P" in anticipation of the "parameter" number. 3. Assign the desired MIDI controller parameter number using the number key group (1-127), then press Enter. The display will show a "C" in anticipation of the MIDI "channel" number. See chart, "Appendix A." 4. Assign the MIDI channel number on number key group (1-16) then press Enter. This channel assignment will apply only to the controller knob that you are programming. 5.

You can select up to five banks of presets for the M-Audio Ozone's keyboard, P1-P5, by pressing the MIDI/SELECT button. This is most effective for stand-alone mode, not for all soft-synth presets. 6. Finally, Press MIDI/SELECT key again to finish assigning values to the controller knob. RESET Key: Pressing the MIDI/SELECT button, followed by the RESET key and then the Enter key, will send out a message to return all external MIDI instruments to their default setting. Press the MIDI/SELECT button again to complete the process. Flat and Sharp Keys: By pressing the MIDI/SELECT button and the flat or the sharp key, you will shift the active keyboard pitch one note (halfstep) higher, or lower. @@ Press the MIDI/SELECT button to finish the change. @@ Press the MIDI/SELECT button to finish the change. @@@@ Press the MIDI/SELECT button.

2. Press the key labeled "MIDI CHANNEL," on the keyboard. 3. Press the key labeled 2, on the keyboard, then press the key labeled "Enter," also on the keyboard. Lastly, press the MIDI/SELECT button one more time (this will change the MIDI transmit channel from 1 to 2).

) Control Change Data Entry by Numeric Keypad: M-Audio Ozone allows you to use the numeric keys, instead of the data entry slider, to specify the Control Change parameter data. This is done by pressing the MIDI/SELECT button, CC (No. or Data) key, required number key(s), and the Enter key. As an example, to assign a Control Change value of 7, and CC Data value of 123: 1. 2.

3. 4. Press Press Press Press the the the the MIDI/SELECT button. CC No. key. key labeled 7. Enter key, in order to specify the Control Change as 7. 42 5. Press the CC Data key. 6.

Press the number keys 1, 2 and 3, in order. 7. Press the Enter key, to specify the value 123, then press the MIDI/SELECT button. This completes the process.

Program Key: By pressing the MIDI/SELECT button and the Program key, then numeric keys, and finally the Enter key, you can select any patch number between 1 and 128. @@@@ @@@@ The display will read "P1" through "P5" while you are changing Presets. The chart on the next page lists the factory default Presets, useful in a variety of software programs and performance scenarios. These default Presets use the Preset memory banks 1 through 5. Banks 1 through 5 are not writeprotected and so when applying the above method of editing and saving customized Presets according to your wants and needs, they can be written over. If you ever wish to restore the factory default Presets, simply hold down the MIDI/Select button while powering up your M-Audio Ozone.

43 M-Audio Ozone Preset Chart 44 Technical Support & Contact Information For additional technical assistance, contact M-Audio Technical Support by telephone (626-445-8495, 9-5 PST M-F), by fax (626-445-7564) or by e-mail (techsupt@m-audio.com). If you have questions, comments or suggestions about this product, or any M-Audio product, we invite you to contact us directly at: M-AUDIO U.S. 45 E.

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com Tech Support: 626-445-8495 Tech Support (email): techsupt@m-audio.com Fax: 626-445-7564 Internet Home Page: http://www.m-audio.com M-AUDIO U.K. Unit 5, Saracen Industrial Estate Mark Rd. Hemel Hempstead, Herts HP2 7BJ England Sales Information: 44 (0) 144 241 6590 Sales Information (email): info@maudio.co.uk Technical Support: 44 (0) 871 717 7102 Tech Support (email): richard@maudio.freereserve.

co.uk Fax: 44 (0) 144 224 6832 Internet Home Page: http://www.maudio.co.uk M-AUDIO Canada 1400 St-Jean Baptiste Ave., #150 Quebec City, QC G2E 5B7 Canada Tel: 418-872-0444 Fax: 418-872-0034 Email: midimancanada@m-audio.com Internet Home Page: http://www.m-audio.ca M-AUDIO France Unit 5, Saracen Industrial Estate Mark Rd. Hemel Hempstead, Herts HP2 7BJ England Sales Information: 0810 001 105 Sales Information (email): info@m-audio-france.

com Technical Support: 0820 00 731 Tech Support (email): support@m-audio-france.com Fax: 44 (0) 144 224 6832 Internet Home Page: http://www.maudio.co.uk M-AUDIO Deutschland (Germany) Kuhallmand 34 D-74613 Ohringen Germany Sales Information: Sales Information (email): Technical Support: Technical Support (email): Fax: Internet Home Page: 49 7941 98 7000 info@m-audio.

de 49 7941 98 70030 support@m-audio.de 07941 98 70070 http://www.m-audio.de M-AUDIO Japan Annex Building 6F 2-18-10 Marunouchi Naka-Ku, Nagoya 460-0002 Japan Tel: Fax: Technical Support: Email: Internet Home Page: 81 52 218 3375 81 52 218 0875 0820 00 731 info@m-audio.



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*jp <http://www.m-audio.co.jp> 45 M-Audio Ozone Warranty Information M-AUDIO warrants that this product is free of defects in materials and workmanship under normal conditions for 90 days, so long as the product is: owned by the original purchaser; the original purchaser has proof of purchase from an authorized M-AUDIO dealer; and the purchaser has registered his/her ownership of the product by sending in the completed warranty card. In the event that M-AUDIO receives written notice of defects in materials or workmanship from such an original purchaser, M-AUDIO will either replace the product, repair the product, or refund the purchase price at its option. In the event any repair is required, shipment to and from M-AUDIO and a nominal handling charge shall be borne by the purchaser. In the event that repair is required, a Return Authorization number must be obtained from M-AUDIO. After this number is obtained, the unit should be shipped back to M-AUDIO in a protective package with a description of the problem and the Return Authorization clearly written on the package. In the event that M-AUDIO determines that the product requires repair because of user misuse or regular wear, it will assess a fair repair or replacement fee. The customer will have the option to pay this fee and have the unit repaired and returned, or not pay this fee and have the unit returned unpaired.*

*The remedy for breach of this limited warranty shall not include any other damages. M-AUDIO will not be liable for consequential, special, indirect, or similar damages or claims including loss of profit or any other commercial damage, even if its agents have been advised of the possibility of such damages, and in no event will M-AUDIO's liability for any damages to the purchaser or any other person exceed the price paid for the product, regardless of any form of the claim. M-AUDIO specifically disclaims all other warranties, expressed or implied. Specifically, M-AUDIO makes no warranty that the product is fit for any particular purpose. This warranty shall be construed, interpreted, and governed by the laws of the state of California. If any provision of this warranty is found void, invalid or unenforceable, it will not affect the validity of the balance of the warranty, which shall remain valid and enforceable according to its terms. In the event any remedy hereunder is determined to have failed of its essential purpose, all limitations of liability and exclusion of damages set forth herein shall remain in full force and effect. 46 M-Audio Ozone Technical Specifications General . . . Supports 24-bit or 16-bit audio input or output Supports the following sampling frequencies (Hz): 8000, 11025, 12000, 16000, 22050, 24000, 32000, 44100, 48000, 88200, 96000 (Note: Because of USB bandwidth and device hardware constraints, there are limitations on what combinations of bit width and sampling frequency can be used in full-duplex mode (i.e.-input and output active simultaneously)) 1/4" Outputs 1 & 2 . . . Dynamic Range: 100 dB (typical, -60 dB input, A-weighted) S/N: 100 dB (typical, A-weighted) THD: <0.*

*002% (typical) Mic/Inst Input . . . Dynamic Range: 100 dB (typical, -60 dB input, A-weighted) S/N: 100 dB (typical, A-weighted) THD: <0.002% (typical) 1/4 AUX Inputs 1 & 2 . . . Dynamic Range: 95 dB (typical, -60 dB input, A-weighted) S/N: 95 dB (typical, A-weighted) THD: <0.009% (typical) Tested to comply with FCC Standards For Home or Studio Use 47 Appendix A - MIDI Controller Information 48 Appendix B - M-Audio Ozone Block Diagram 49 .*



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