



USB.006 Studio Quality USB Microphone



User Manual



Congratulations on your purchase of the MXL USB.006 which uses a large gold diaphragm capsule for added warmth. MXL microphones are the result of world-class engineering and manufacturing capabilities. They are designed to provide you with outstanding performance and exceptional value. While we encourage you to review this entire manual, there are a few key points about handling this microphone that we want you to familiarize yourself with right from the start.

The MXL USB mics are a professional quality, cardioid condenser studio microphone designed specifically for recording. Unlike microphones designed for live performance or lesser dynamic model microphones, this instrument requires careful handling. Hence, you should observe the following...

ALWAYS: Handle the microphone carefully, avoiding sudden shocks such as dropping or bumping the microphone into other objects.

ALWAYS: Maintain a distance of approximately 4 – 6 inches when speaking or

singing into the microphone. You are encouraged to use a pop filter for added protection of the sensitive capsule and to shield the instrument from saliva and sudden bursts of air.

NEVER: Tap the microphone to check if it's working. The RED LED behind the microphone's protective grill will tell you it's on and that the correct side is facing you.

NEVER: Blow into the microphone to check if it's working. The RED LED behind the microphone's protective grill.

By following these few basic handling procedures, you can expect a long and trouble-free relationship with your new microphone. Again, thank you for your purchase of this outstanding MXL microphone.

A Little Background Information:

MXL condenser microphones use what is known as a cardioid pickup pattern, which is more sensitive to sound waves arriving at the front of the microphone as opposed to those arriving from the sides or rear. Unlike other MXL models, this microphone benefits from being a USB (Universal Serial Bus) device — meaning this is a plug and play microphone that will interface with Windows and Macintosh computers without the need for any special drivers. As a USB device, it carries the added benefit of not requiring an external microphone preamp, as is the case with most cardioid condenser microphones.

We've already mentioned the importance of proper handling, but should you find yourself recording an outdoor performance, you would be well advised to use a windscreen as protection for your microphone.

Unpack Your Microphone:

Begin by examining the contents of your MXL USB kit. You should have the following components:

- Protective vinyl travel case
- One MXL USB.006 microphone
- A 10-foot USB 2.0 high speed cable
- A windscreen
- A desktop microphone stand plus the mounting ring
- Owners manual
- Microphone applications guide

Getting Familiar With Your Microphone:

In addition to speaking or singing into the side of the microphone with the RED LED facing you, you should also understand the use of the three-position attenuation switch on the microphone's back side.

What's an attenuation switch?

An attenuation switch reduces the signal strength in an electronic device. As the microphone converts acoustical energy (your voice) into electrical energy (the

signal that feeds your computer), it is possible that a loud, "boomy" voice, or a vocalist who is really "belting out those notes" may exceed normal recording levels. In this case, you will want to reduce the signal strength by using the microphone's attenuation switch.

The attenuation switch on the back side of the USB mic provides three positions: High, Medium, and Low - identified as: Hi, Med, Lo. Normally, you'll want to keep the microphone's attenuation switch in the Hi position. If, however, you need to "back off" the signal to compensate for a loud voice, simply move the switch to the desired setting. You may also need to move further away from the microphone which will also reduce the level.



PLEASE NOTE: Recording is a creative process, so there are no hard and fast rules. Experimentation is the key to best results.

Using the Supplied Desktop Microphone Stand

1. After opening the stand's tripod leg system and placing it on the table or desk, loosen the angle adjuster and orient the large portion of the microphone holder so that it faces upward, or horizontal.
2. Place the base of the microphone into the microphone holder with one hand while holding it upright with your other hand.
3. While holding the microphone upright and firmly in one hand, secure the

microphone to the desktop stand by screwing the black mounting ring into the microphone's base. The microphone should now sit securely in the desktop stand.

- At this point, attach the end of the USB cable that matches the microphone's connector. The other end of the cable will connect to your computer's USB port.

Connecting the Microphone to Your Computer (Windows)

The MXL USB.006 microphone will operate with both USB 2.0 (high speed USB) and USB 1.1 data buses. We recommend you connect your microphone directly to the computer's USB port as opposed to using a USB hub. USB hubs have been known to interfere with the performance of various USB devices.

PLEASE NOTE: Audio and video recording can be very taxing to a computer's resources. For this reason, you should close any and all running applications that are non essential.

Please take the following steps to get connected:

- If open, close your audio recording application. You will open it after the microphone is connected and operational.
- Connect the remaining end of the USB cable to the computer's USB port. Windows will display the **New Hardware Found** dialog message and your

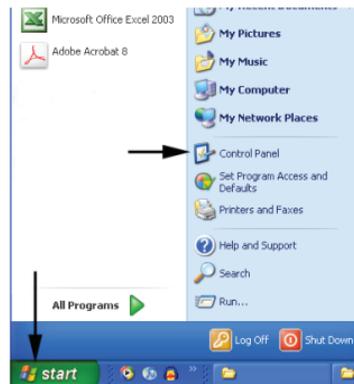
system may make a sound if your computer uses Window's system sounds.

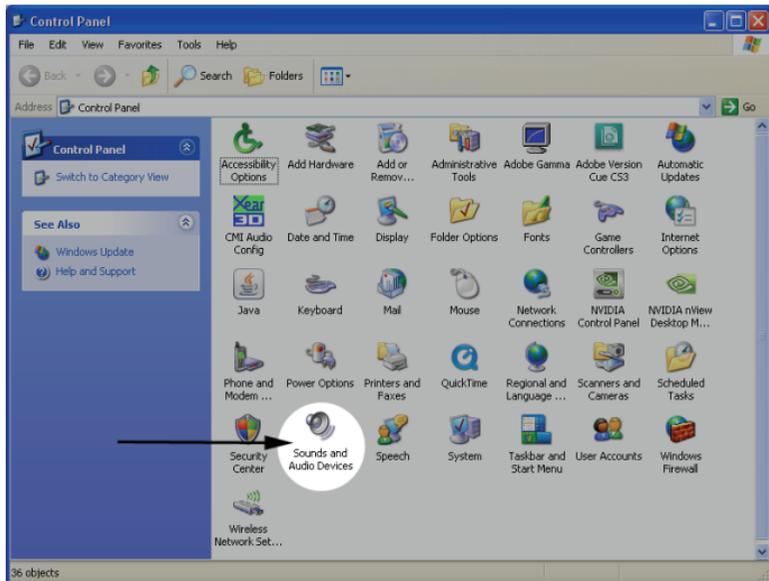
- Allow Windows time to identify the device.
- In approximately one minute, Windows should display a dialog message stating that Your New Hardware is Installed and Ready for Use. After this first connection, Windows will require just a few moments to identify the microphone.

Congratulations! You are ready to begin recording.

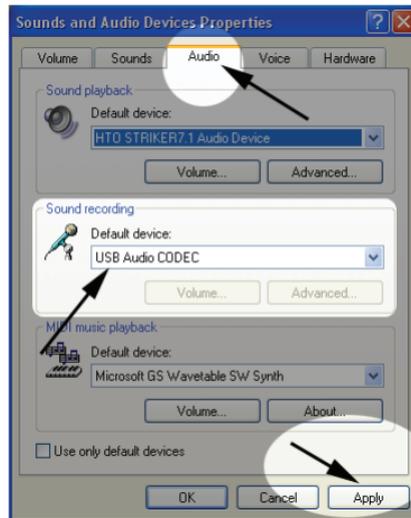
Initial Setup with Windows XP:

- To select the MXL USB.006 microphone as the default audio input device go to the **Start Menu** and select **Control Panel**.



2. Select **Sounds and Audio Devices**.

3. Click on the **Audio** tab and select **USB audio CODEC** as the default device for sound **Recording**. Note the **Volume** button is grayed out. To adjust the gain of the MXL USB.006 microphone use the three position gain switch located on the back of the microphone. Click **Apply** for these changes to take effect.

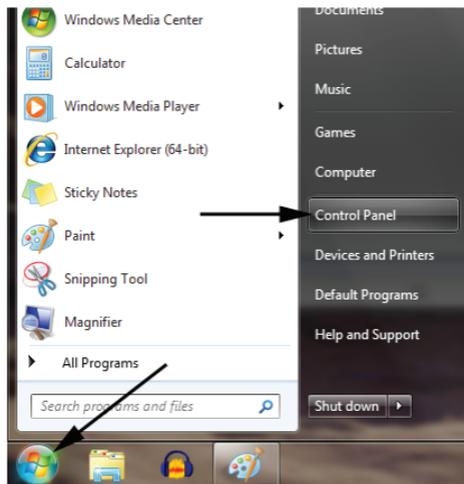
**IMPORTANT NOTE ABOUT SOUND PLAYBACK:**

Some computer systems may change the default sound playback device to be the **USB Audio Codec** when your MXL Microphone is attached to the computer. By doing this it will seem as though your computer no longer has any audio output. To fix this use the drop down menu under **Sound Playback** to select your standard soundcard/audio device used for audio playback. Be sure to click the **Apply** button after making any changes.

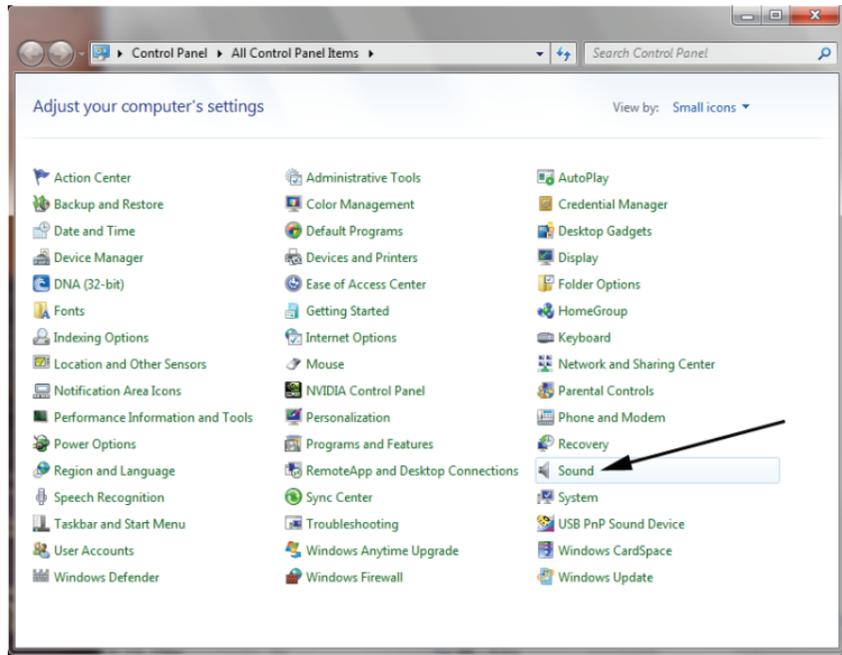
Your Windows XP computer is now set up to use the MXL USB.006. Some recording applications will require additional settings to be changed within the program. Please see your recording software manual for proper setup.

Initial Setup with Windows Vista and Windows 7:

1. To select the MXL USB.006 as the default audio input device, go to the **Start Menu** and select **Control Panel**.



2. Double click the **Sound** icon.



3. Select the **Recording** tab, highlight the microphone icon labeled **USB Audio Device** and click **Set Default**.



4. To make further adjustments to the recording settings, double-click on the microphone icon labeled **USB Audio Device**. Click on the tab labeled **Advanced**. From the drop-down menu you can change the sample rate and bit-depth for audio recording. Please note that you should verify that these settings match the settings in your recording application.

IMPORTANT NOTE ABOUT SOUND PLAYBACK:

Some computer systems may change the default sound playback device to be the **USB Audio Codec** when your MXL Microphone is attached to the computer. By

doing this it will seem as though your computer no longer has any audio output. To fix this select the **Playback** tab. Highlight your standard soundcard/audio device used for audio playback and click the **Set Default** button.

Your Windows Vista/Windows 7 computer is now set up to use the MXL USB.006. Some recording applications will require additional settings to be changed within the program. Please see your recording software manual for proper setup.

Connecting the Microphone to Your MAC

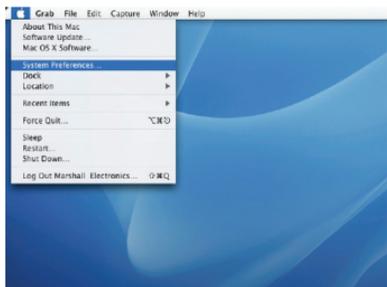
As is the case with a Windows PC, the MXL USB.006 microphone will operate with both USB 2.0 (high speed USB) and USB 1.1 data buses. All current Macs operate with USB 2.0. We recommend you connect your microphone directly to the computer's USB port as opposed to using a USB hub. USB hubs have been known to interfere with the performance of various USB devices.

PLEASE NOTE: Audio and video recording can be very taxing to a computer's resources. For this reason, you should close any and all running applications that are non essential.

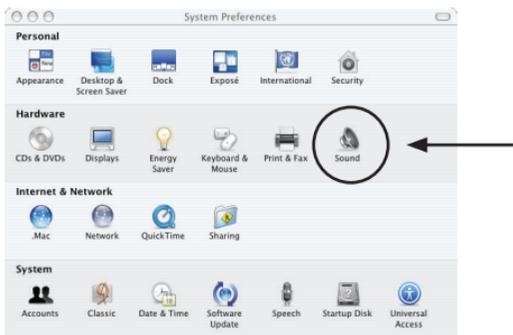
Please take the following steps to get connected:

1. Make certain that any audio applications are closed.
2. Connect the remaining end of the USB cable to the computer's USB port.
3. To set the USB microphone as the default audio input for audio, click on the

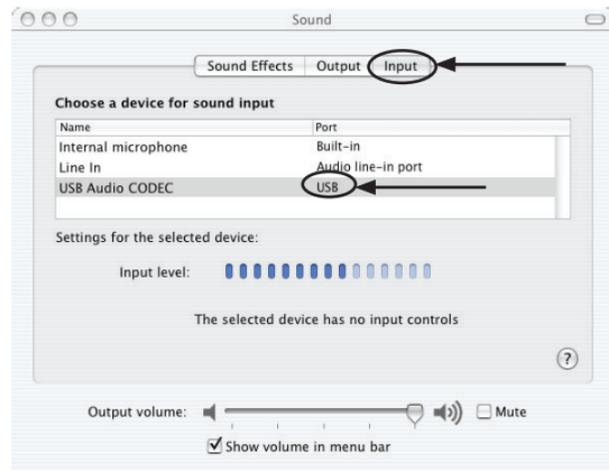
Apple icon in the upper left hand of the screen and select **System Preferences** as shown the figure below.



4. Next, click on the **Sound** icon in the **Hardware** group as shown in the figure below.



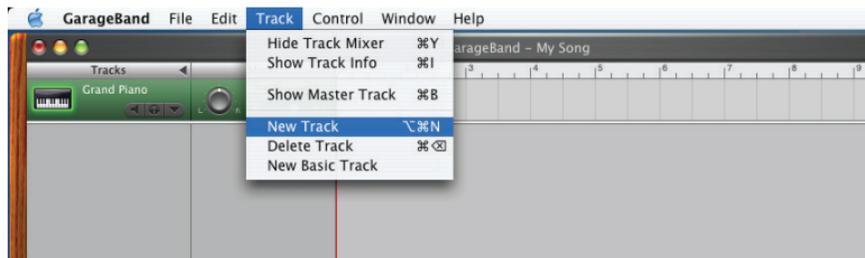
5. After opening the **Sound** dialog screen, there will be three tabs at the top of the window, select the **Input** tab by clicking on it.
6. Then select the **USB Audio Codec** as the device for sound input as shown in



7. By watching the movements of the **Input** level meter in this window, you can now see that the MXL USB microphone is working as you speak into it. This setting will be saved as the default input whenever the microphone is plugged in.

Setting the MXL USB mic to record in Garage Band

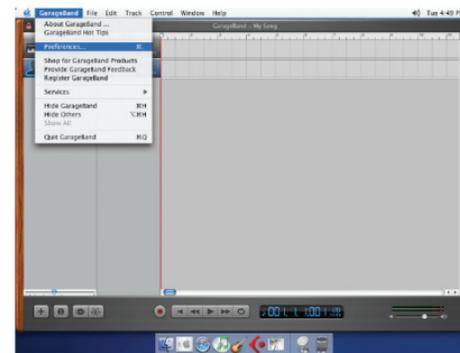
1. Open **Garage Band**. This application will be found in either the **Dock Bar** or by opening the **Apple Finder**, clicking on **Applications** and/or opening **Garage Band**.
2. **Garage Band** opens with the default project “My Song”. Refer to **Garage Band**'s user manual to change the default project.
3. “My Song” opens with one software instrument track. To record through the USB microphone, click on **Track** on the top of the window bar and select **New Track** as shown in the figure below.



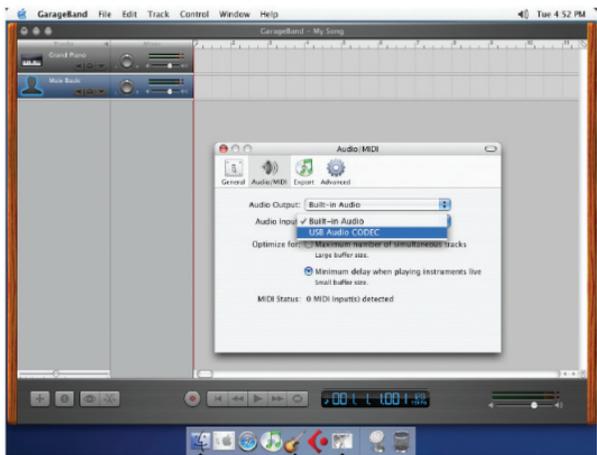
4. Select the tab in the window that opens that says **Real Instrument**. Then select the source you will be recording through the microphone, such as vocals or guitar, as shown in the figure below (See next page).
5. Click **OK**.



6. To select an audio input source for **Garage Band**, click on **Garage Band** from the top menu bar and select **Preferences** as shown in the figure below.



7. Then select the **Audio/MIDI** icon in the top row. From the drop down menu under **Audio Input**, select the **USB Audio Codec** as shown in the figure below.



8. You will then be asked if you really want to change the driver. Select **Yes**. The computer will then say it is initializing the audio driver. Wait until this is done, then close the window.
9. At this point, you should see the meter move when you speak into the microphone. You can now click on the **Record** button and record your vocal or dialog using your microphone.

PLEASE NOTE: As long as the microphone is plugged in when Garage Band is started, the audio input source settings in Garage Band will be saved until you change them again, even if you close the program or start a new project.

For More Information:

For additional information about your MXL USB microphone, how to contact technical support, as well as information on other products manufactured by MXL, please visit us online at www.mxlmicro.com.

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WARRANTY: Marshall Microphones are guaranteed against defects in material and workmanship for one year from date of purchase. Should you encounter any problem with this unit, promptly contact the company you purchased it from for assistance. The original dated sales receipt will be necessary for any warranty claim. Do not send any unit directly to us without prior authorization from our service department! Warranty coverage is limited to repair or replacement (at our option) of the microphone, and does not cover incidental damages due to use of this unit, nor damage caused by accidental misuse of this product.



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