

# Korg Canada Tutorial

Hooking up your Korg keyboard to a computer:

Due to popular request, Korg Canada will attempt to guide end users in the right direction concerning the amazingly confusing and complex work of PC and music. This is not an in depth tutorial, more of an overview.

The Tools:

First topic is what one needs to use a computer and Korg keyboard. In order for the two devices to communicate, one must have an “interface” between the two. This interface usually uses MIDI, a universal protocol that enables any musical device to be hooked up to another, regardless of brand. A midi interface is what one needs. There are several kinds of interfaces, but these usually fit into these 3 categories.

- 1) External MIDI device
- 2) MIDI device connected to one’s joystick port
- 3) PC/IF to host type of interface

Many Korg keyboards have the 3<sup>rd</sup> type of interface, which allows one to connect the keyboard to PC at a minimal cost. The model number of this PC/IF cable is AG001/A for PC and AG002 for Mac. This cable is a single cable, which carries both the Midi out, and Midi in signals. Please consult your manual to see if your unit is equipped with this option.

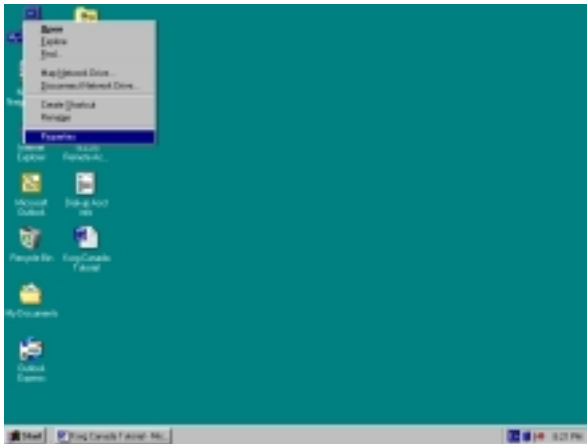
Many Generic soundcards (such as Creative Labs SoundBlaster Live or Audigy...etc) have joystick ports that can be used for MIDI hookup. One would need to buy a cable from your local music dealer to use this connection. This connection give one a single Midi out and Midi in capability.

External MIDI device exist in many forms. They can have one Midi in and Out or can have up to eight in’s and out’s. These units can be hooked up by many means such as though a parallel port or USB port. This is the most costly of the three options listed here.

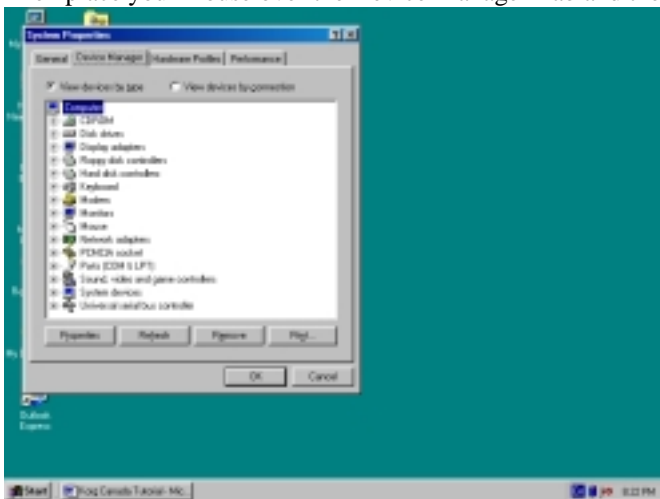
With any of these three options, drivers are usually included either on disk or CD-Rom. Sometimes these drivers are already loaded into your computer so all you need to do is plug and play. Drivers for these units are usually the first place trouble starts. Korg Canada would suggest one gets familiar with the device manager in the Windows environment. To get to your device manager, highlight “My Computer”



Then right click on this icon, select properties.



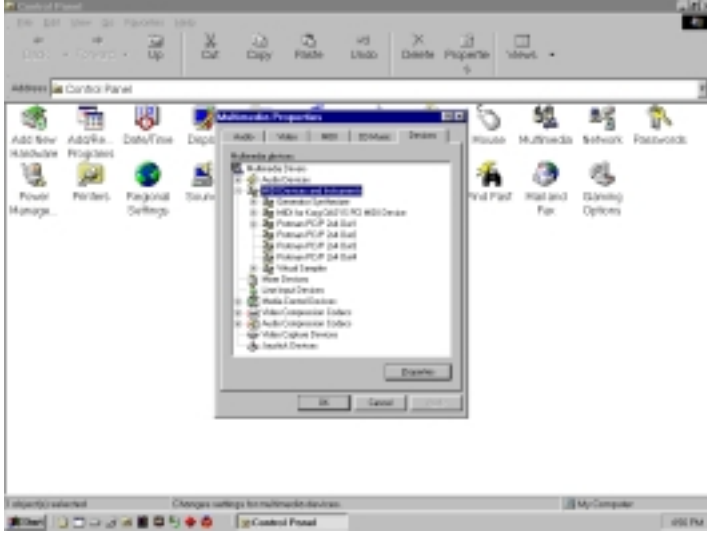
Then place your mouse over the Device Manager Tab and then left click



If you find any exclamation points here, you have a conflict (problem). You must consult technical support for your Midi interface or Soundcard manufacturer to get help. Your music dealer is also a good place to ask for help. We at Korg Canada do not support the multitude of Midi interfaces and soundcards available to consumers. Only the AG001/A and AG002 cables are supported by Korg Canada.

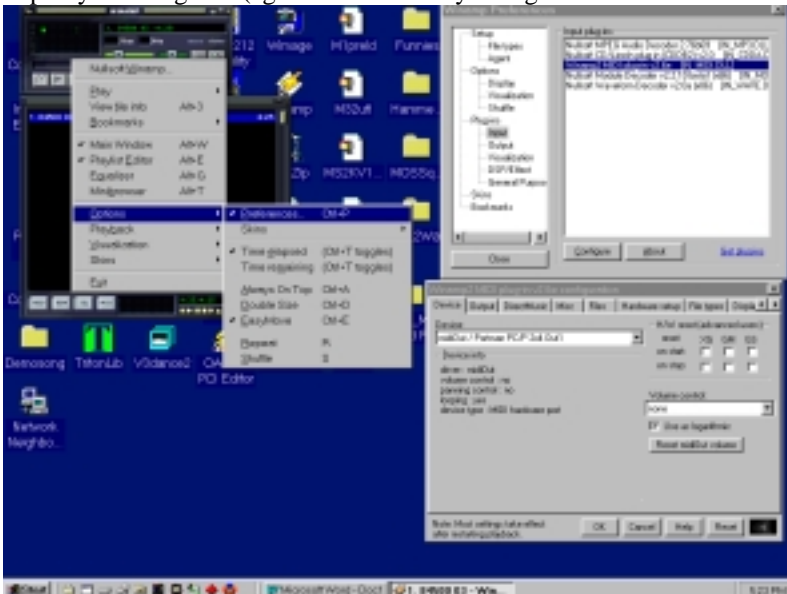
If there isn't an exclamation point next to any device, then one should check the Midi devices on the computer. To do this:

- 1) Select the Start button from your taskbar
- 2) Select Settings, then highlight Control Panel
- 3) Highlight and double click on Multimedia
- 4) Click on the Devices tab, you should now see a listing for MIDI devices and Instruments



Please bear in mind that the title of this listing may vary from manufacturer. If you do not see a listing for Midi on your computer, then re-install your drivers and/or software from your manufacturers diskette/Cd-Rom.

Now if you have a listing, an easy way to check if your interface is working correctly is to use a media player (such as WinAmp). One would load in the midi file. When the file is playing, go into the Media Player's "Settings or Options", change the Midi input/output to use the correct Midi in/out that is hooked up to your Korg unit (again this name may change from manufacturer to manufacturer).

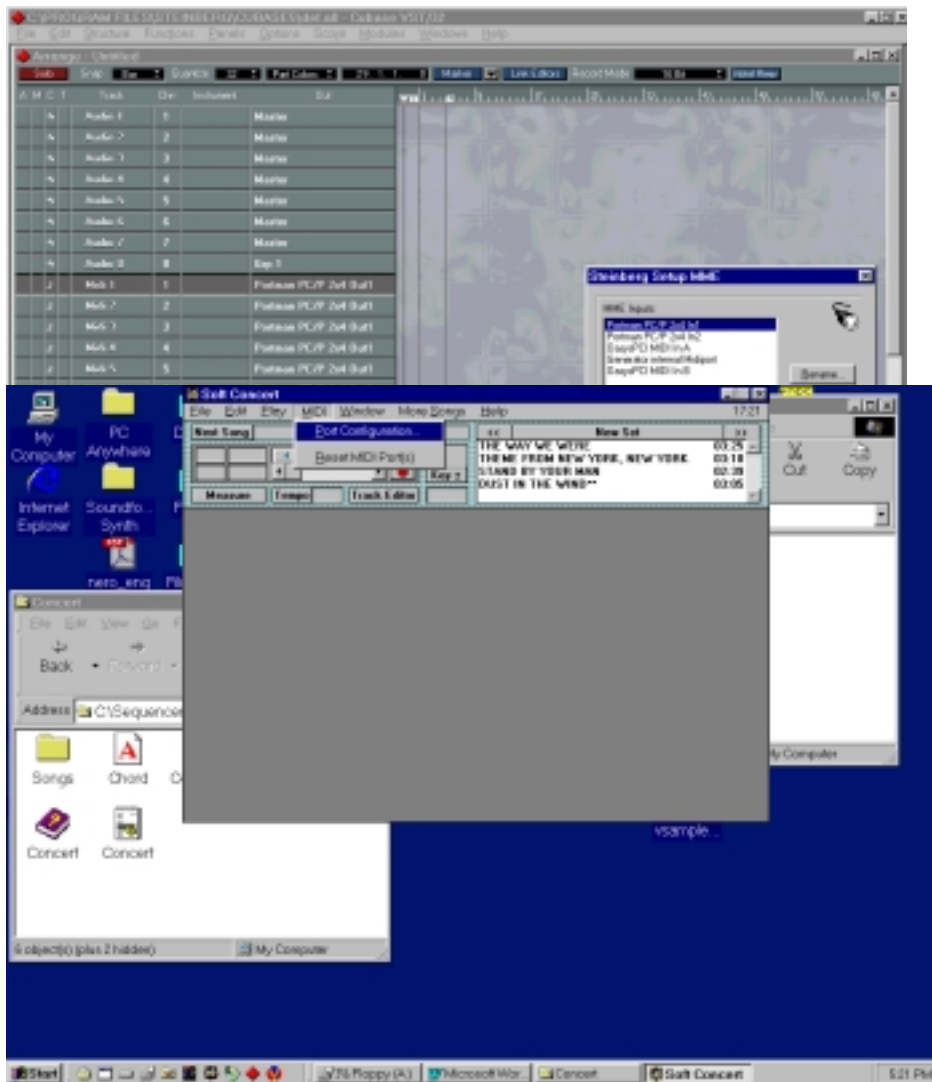


Use the volume slider to raise/lower the volume of your Korg unit to see if you are indeed using the sounds from this unit.

Once you are sure that the Midi interface is working, the next step is to load in the software. There are many software's available to users. Here are just a few:

- Cubase/Cakewalk
- Logic/Pro Tools
- Digital Performer

Usually this software has an application (such as Setup MME for Cubase) or you may have to load up your software and change the Midi settings. Again, look for a Settings or Option function. Once you have located this, you again will have to make sure that the Midi In/Out that is connected to your Korg unit is the default or first Midi In/Out on the list of devices.



As you can see with the Cubase example, not only do I have to have the Midi In/Out configured properly in my Settings (Setup MME) but I must also make sure to select the correct OUT port on the Cubase track view, see above.

In these examples above, one can see that this 2x4 (2 Midi inputs/ 4 Midi outputs) Midi interface is working correctly. Other indicators that Midi is working are the Midi In/Out lights, usually shown on software's transport bar (see Cubase example above).

As one can see, there are many different possibilities for troubleshooting when faced with a computer setup. Always keep your Midi interface, software support hotline and keyboard support person(s) email and telephone numbers handy, you never know when you may need them.

Steve Knowles  
 Product Support, Korg Canada  
[support@korgcanada.com](mailto:support@korgcanada.com)  
<http://www.korgcanada.com>

