

# Evolution PC USB Driver Guide

## 1. Operating Systems Supported

The Evolution USB driver for the PC supports the Microsoft® Windows 98, Windows 98 SE, Windows ME, Windows 2000 & Windows XP. This driver does not support Windows NT4 or earlier versions of Windows such as Windows 3.1x or Windows 95 as there was no USB support in these earlier versions. This also includes Windows 95 OSR2.1 which was an attempt to support USB on Windows 95 but which did so improperly.

## 2. PC Driver Features

The following are some of the key features of the Evolution USB driver.

### 2.1 Multiple Clients

The Evolution USB driver supports multiple applications opening both its MIDI In and Out ports simultaneously. This allows a user to have multiple applications running on the PC and to dynamically switch between them instead of having to shut down one application to free up the MIDI port so that another application can then use it.

### 2.2 Multiple Instances

The Evolution USB driver supports multiple instances of the family of Evolution USB MIDI keyboard products. Thus more than one keyboard can be connected to the same PC simultaneously and be recognized and used by the system. This allows a user to use multiple keyboards to control a Hammond B3 synthesizer supporting two keyboards, or for a user and one or more friends to jam using multiple keyboards connected to the same PC system. These multiple instances can be a mix of different or the same keyboards from this Evolution USB MIDI keyboard product family. When multiple keyboards with the exact same product ID (PID) are connected at the same time, the MIDI In and Out port names for these keyboards has a number appended so that the user can distinguish between them in the MIDI application software.

## 3.PC Driver Installation

The following are the detailed steps for installing the USB driver for the Evolution USB MIDI Keyboard.

If you are installing downloaded drivers from the Evolution website, store them on a floppy disk. This will make the installation easier.

### 3.1 Windows 98 (Original Version) Installation

1. Boot Windows 98 with the USB Keyboard connected or connect it after Windows 98 has been booted.
2. When the Add New Hardware Wizard reports that it detected a USB Composite Device, click "Next".
3. On the next screen select the "Search for the best driver for your device." item & click "Next".
4. Indicate to Windows where to look for the driver installation files (this is either a floppy disk or CD-ROM supplied by the Keyboard manufacturer) & click "Next".
5. On the next screen Windows will indicate it has found an updated driver for this device and also some other drivers, select "The updated driver (Recommended)" item & click "Next".
6. On the next screen Windows will indicate it has searched for the driver files for the "Evolution Keyboard USB Driver" and is now ready to install the driver, click the "Next" button to continue.
7. Windows will copy files and then indicate it has finished installing the software that your new hardware device requires, click the "Finish" button.
8. The Add New Hardware Wizard will once again appear reporting it has detected an Unknown Device, click "Next".
9. On the next screen select the "Search for the best driver for your device." item & click "Next".
10. Indicate to Windows where to look for the driver installation files (this should be the exact same place you had Windows look for the previous driver software), then click the "Next" button.
11. On the next screen Windows will indicate it has searched for the driver files for the "Evolution Keyboard Midi Driver" and is now ready to install the driver, click the "Next" button to continue.
12. Windows will copy files and then once again indicate it has finished installing the software that your new hardware device requires, click the "Finish" button.

## 3.2 Windows 98 SE Installation

1. Boot Windows 98 SE with the USB Keyboard connected or connect it after Windows 98 has been booted.
2. When the Add New Hardware Wizard reports that it detected a USB Composite Device, click "Next".
3. On the next screen select the "Search for the best driver for your device." item & click "Next".
4. Indicate to Windows where to look for the driver installation files (this is either a floppy disk or CD-ROM supplied by the Keyboard manufacturer) & click "Next".
5. On the next screen Windows will indicate it has found an updated driver for this device and also some other drivers, select "The updated driver (Recommended)" item & click "Next".
6. On the next screen Windows will indicate it has searched for the driver files for the "Evolution Keyboard USB Driver" and is now ready to install the driver, click the "Next" button to continue.
7. Windows will copy files and then indicate it has finished installing the software that your new hardware device requires, click the "Finish" button.
8. The Add New Hardware Wizard will once again appear reporting it has detected an Unknown Device, click "Next".
9. On the next screen select the "Search for the best driver for your device." item & click "Next".
10. Indicate to Windows where to look for the driver installation files (this should be the exact same place you had Windows look for the previous driver software), then click the "Next" button.
11. On the next screen Windows will indicate it has searched for the driver files for the "Evolution Keyboard Midi Driver" and is now ready to install the driver, click the "Next" button to continue.
12. Windows will copy files and then once again indicate it has finished installing the software that your new hardware device requires, click the "Finish" button.

### 3.3 Windows ME Installation

1. Boot Windows ME with the USB Keyboard connected or connect it after Windows ME has been booted.
2. Windows ME will automatically install default drivers for it.
3. Proceed to the Replacing Windows ME Drivers Section.

### Replacing Windows ME Drivers

The Windows ME operating system contains drivers which are able to function with the Evolution USB Midi keyboard/controller. However, a user might prefer the features of the EVOLUSB driver (see section 2), and might therefore want to use it in place of the Windows ME USB Audio Driver.

1. Boot Windows ME with the USB Keyboard connected or connect it after Windows ME has been booted.
2. Open the Control Panel by clicking on Start/Settings/Control Panel.
3. Double click on the "System" program item.
4. Select the "Device Manager" tab.
5. Click on the "+" sign next to "Universal Serial Bus Controllers".
6. If the "USB Composite device" item is listed, right-click the item, then click on the "Properties" button. Proceed to step 8.
7. If "USB composite device" is not listed under "Universal Serial Bus Controllers", click on the "+" sign next to "Sound Video and Game Controllers". Right-click the "USB Audio Device" item.
8. Select the "Driver" tab, and click the "Update Driver..." button.
9. When the Update Device Driver Wizard reports that it will search for updated drivers for the USB Audio Device insert the floppy disk or CD-ROM supplied by Keyboard manufacturer, then select the "Automatic Search for better driver (Recommended)" item & click "Next".
10. Windows will automatically search the system's diskette & CD-ROM drive and then indicate that it is installing the best software for this device, the Evolution USB Driver.
11. Windows will copy files and then two things will occur rather quickly:
  - a) The Update Device Driver Wizard will display a screen indicate it has finished installing the software for this device and requesting you to click the "Finish" button.
  - b) The Add New Hardware Wizard will now report it has detected an Unknown Device.
12. Click the "Finish" button on Update Device Driver Wizard screen.
13. With the floppy disk or CD-ROM supplied by Keyboard manufacturer still inserted in the drive, select the "Automatic Search for better driver (Recommended)" item & click "Next".
14. Windows will automatically search the system's diskette & CD-ROM drive and then indicate that it is installing the best software for this device, the Evolution MIDI Driver.
15. Windows will copy files and then indicate it has finished installing the new hardware device, click the "Finish" button.
16. Close the Device Manager display by clicking on the "Close" button.

## 3.4 Windows 2000 Installation

Make sure you have installed the patch win2Kdriverpatch.exe before turning on the device. If you have installed using the Music Creator CD-ROM, you should have installed this at the beginning of the installation.

1. Boot Windows 2000 with the USB Keyboard connected or connect it after Windows 2000 has been booted.
2. The Add New Hardware Wizard will report that it has found a new Device and will automatically install default drivers for it.
3. Proceed to the Replacing Windows 2000 Drivers Section.

### Replacing Windows 2000 Drivers

The Windows 2000 operating system contains drivers which are able to function with the Evolution USB Midi keyboard/controller. However, a user might prefer the features of the EVOLUSB driver (see section 2), and might therefore want to use it in place of the Windows 2000 USB Audio Driver.

1. Boot Windows 2000 with the USB Keyboard connected or connect it after Windows 2000 has been booted.
2. Open the Control Panel by clicking on Start/Settings/Control Panel.
3. Double click on the "System" program item.
4. Select the "Hardware" tab.
5. Click the "Device Manager" button.
6. Click on the "+" sign next to "Universal Serial Bus controllers" to display of all of these devices.
7. Double click the "USB Composite Device" item. If it is not listed, click on the 'Sound Video and Game Controllers heading and select the 'USB Audio Device'.
8. Select the "Driver" tab, and click the "Update Driver..." button.
9. The first window of the Update Wizard will appear. Click "Next".
10. When the Upgrade Device Driver Wizard reports that it will upgrade the driver for the USB Composite Device, select the "Search for a suitable driver for my device (Recommended)" item & click "Next".
11. Indicate to Windows where to look for the driver installation files (this is either a floppy disk, the location of stored downloaded drivers, or CD-ROM supplied by the Keyboard manufacturer) and click "Next".
12. On the next screen Windows will indicate it has found a driver "evolusb.inf" that is a closer match for this device than your current driver, click "Next".
13. Windows will copy files and then two things will occur rather quickly:
  - a) The Upgrade Device Driver Wizard will display a screen indicate it has finished installing the software for this device and requesting you to click the "Finish" button.
  - b) The Found New Hardware Wizard will now report it has detected an Unknown Device.
14. Run through the second installer following the same process as above. If you are asked what type of device you are installing, select 'Sound Video and Game controller.
15. Windows will copy files and then indicate it has finished installing the new hardware device, click the "Finish" button.
16. If the window asking you if you wish to re-start your computer pops up, click Yes/OK.

## 3.5 Windows XP Installation

1. Boot Windows XP with the USB Keyboard connected or connect it after Windows XP has been booted.
2. Found New Hardware Wizard will report that it has found new hardware & will automatically install default drivers for it.
3. Proceed to the Replacing the Default Windows XP Drivers Section.

### 3.5 Replacing the Default Windows XP Drivers.

The Windows XP operating system contains drivers which are able to function with the Evolution USB Midi keyboard/controller. However, a user might prefer the features of the EVOLUSB driver (see section 2), and might therefore want to use it in place of the Windows XP USB Audio Driver.

1. Open the Control Panel by clicking on Start/Control Panel.
2. Double click on the "System" program item.
3. Select the "Hardware" tab.
4. Click the "Device Manager" button.
5. Click on the '+' next to 'Universal Serial Bus Controllers'.
6. Check to see if the heading 'USB Composite device' appears. If not, look under 'Sound Video and Game Controllers' for a 'USB Audio Device'.
7. Double-click on the 'USB Composite Device' or 'USB Audio Device' item.
8. Select the "Driver" tab, and click the "Update Driver..." button.
9. When the Hardware Update Wizard commences, select to "Install from a specific location (Advanced)". Click "Next".
10. Select the option "Don't search, I will choose the driver to install", click "Next".
11. On the next screen select the Evolution USB Driver and click "Next". Go to step 15.
12. If not found, click on "Have Disk", then "Browse" for the location of the driver and select evolusb.
13. Click "Open". You will now see the window where you clicked "Browse". Click "OK".
14. Select the Evolution USB Driver and click "Next".
15. A warning that the driver has not passed Windows logo testing will come up. Ignore this and click "Continue Anyway".
16. Windows will copy files and then two things will occur:
  - a) The Upgrade Device Driver Wizard will display a screen indicate it has finished installing the software for this device and requesting you to click the "Finish" button.
  - b) The Found New Hardware Wizard will now report it has detected an Unknown Device.
17. Click the "Finish" button on Upgrade Device Driver Wizard screen.
18. Repeat steps 9 to 12, selecting the Evolution MIDI Driver this time. If you are asked what type of hardware you are trying to install, select 'Sound Video and Game Controller'.
19. Click the "Finish" button to finish the installation.

## 4.PC Driver Re-Installation

If the driver is not automatically detected, or you have a new version of the driver that you want to install, the following steps will guide you through fully removing the old drivers. Please ensure the keyboard is connected when removing the drivers.

### 4.1 Windows 98/ME Un-install

1. Restart your computer in safe-mode. To get into safe mode press & hold down the left hand SHIFT key or press the F8 key before the Windows screen appears. Alternatively press and hold the CTRL key until the Windows 98 Startup menu is displayed. Then select select the Safe Mode menu option from the Startup menu, and then press ENTER.
2. Open the Device Manger by right clicking on 'My Computer', then select 'Properties' then click on the Device Manager tab.
3. Open the Sound, Video and Game controllers by double clicking on it. Then remove all the Evolution MIDI driver or USB Audio device entries that appear. Select the device by right-clicking on it, then click on the 'Remove' button.
4. Open the Universal Serial Bus controllers by double clicking on it. Then remove all the Evolution USB driver or USB Composite device entries that appear. Select the device by right-clicking on it, then click on the 'Remove' button.
5. Open Windows Explorer, by right-clicking on 'My Computer' and selecting 'Explore'.
6. Open the C:\Windows\Inf\Other\* folder by clicking on the '+' signs next to each folder.
7. Delete any files in this folder that begin with Evolution.
8. Reboot Windows which will then detect whatever Evolution USB Keyboard you have plugged in and will go through the full driver installation procedure at which time you can cleanly install the latest set of drivers. Make sure the Evolution Music Creator CD is inserted in the CD-ROM.

### 4.2 Windows 2000 Uninstall

1. Restart your computer in safe-mode. To get into safe mode press & hold down the left hand SHIFT key or press the F8 key before the Windows screen appears. Then Select select the Safe Mode menu option from the Startup menu, and then press ENTER.
2. Open the Device Manager. Click on Start, then Settings, then Control Panel. Double click on System, select the Hardware tab, then click on the Device Manager button.
3. Click the '+' next to "Sound, video & game controllers".
4. Highlight and remove any entries for the Evolution USB keyboards or USB Audio device.
5. Click the '+' next to "Universal Serial Bus controllers".
6. Highlight and remove any entries for the Evolution USB keyboards or USB Composite device.
7. Open Windows Explorer, by right-clicking on 'My Computer' and selecting 'Explore'.
8. Open the C:\WINNT\System32 folder by clicking on the '+' signs next to each folder.
9. Delete evolusbn.dll. It may not be removable in some cases. You can remove this after re-booting to Windows.
10. Open the C:\WINNT\System32\drivers folder and delete evolusb.sys
11. Then go to "My Computer", WINNT, Inf\* and find the oem files. Double click on each oem file to open them. Delete all files that mention Evolution in the title and their respective PNF file.
12. You can now re-boot and re-install the drivers as in section 3.4.

## 4.3 Windows XP Uninstall

1. Restart your computer in safe-mode. To get into safe mode press & hold down the left hand SHIFT key or press the F8 key before the Windows screen appears. Then select select the Safe Mode menu option from the Startup menu, and then press ENTER.
2. Open the Device Manager. Click on Start, then Settings, then Control Panel. Double click on System, select the Hardware tab, then click on the Device Manager button.
3. Click the '+' next to "Sound, video & game controllers".
4. Highlight and remove any entries for the Evolution USB keyboards or USB Audio device.
5. Click the '+' next to "Universal Serial Bus controllers".
6. Highlight and remove any entries for the Evolution USB keyboards or USB Composite device.
7. Open Windows Explorer, by right-clicking on 'My Computer' and selecting 'Explore'.
8. Open the C:\Windows\System32 folder by clicking on the '+' signs next to each folder.
9. Delete evolusbn.dll.
10. Open the C:\WINNT\System32\drivers folder and delete evolusb.sys
11. Exit out of all of the safe mode and restart your machine.
- 12.
13. To re-install the new drivers refer to section 3.7 above.

\* If you can't find the Inf file, it is probably hidden. To show all hidden files, go to "Tools" - "Folder Options" - "View". Select "Show all files". Click OK.