



# Yamaha USB Audio Driver Owner's Manual

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# Yamaha USB Audio Driver

Yamaha USB Audio Driver is designed for transfer of audio data between a Yamaha hardware product and a computer. This driver can be used with ASIO-compatible DAW applications such as Cubase AI 4 and multimedia applications such as Windows Media Player.

In comparison to standard Windows audio drivers, this driver provides far greater reduction in delay time (latency) in playing the audio signals, making recording and mixing more seamless and efficient. This driver supports two channels of audio, at 44.1/48 kHz and 16-bit resolution for both input and output.

## Precautions when using the [USB TO HOST] terminal

When connecting the computer to the [USB TO HOST] terminal, make sure to observe the following points. Failing to do so risks freezing the computer and corrupting or losing the data. If the computer or the instrument freezes, restart the application software or the computer OS, or turn the power to the instrument off then on again.

### CAUTION

- Use an AB type USB cable of less than about 3 meters.
- Before connecting the computer to the [USB TO HOST] terminal, exit from any power-saving mode of the computer (such as suspended, sleep, standby).
- Before turning on the power to the instrument, connect the computer to the [USB TO HOST] terminal.
- Execute the following before turning the power to the instrument on/off or plugging/unplugging the USB cable to/from the [USB TO HOST] terminal.
  - Quit any open application software on the computer.
  - Make sure that data is not being transmitted from the instrument. (Data is transmitted only by playing notes on the keyboard or playing back a song.)
- While the computer is connected to the instrument, you should wait for six seconds or more between these operations: (1) when turning the power of the instrument off then on again, or (2) when alternately connecting/disconnecting the USB cable.

## Minimum System Requirements

### Windows Vista

Computer	Windows-based computer with built-in USB interface
CPU	2GHz Intel Pentium, or an equivalent or better Intel Pentium/Celeron/Core family or Intel 64 compatible processor
Available Memory	1GB or more
Hard Disk	10MB or more of free space
Note	This driver corresponds to Vista without Service Pack as well as with Service Pack 1.

### Windows XP Professional / XP Home Edition

Computer	Windows-based computer with built-in USB interface
CPU	750 MHz Intel Pentium, or an equivalent or better Intel Pentium/Celeron/Core family processor
Available Memory	128MB or more
Hard Disk	10MB or more of free space
Note	This driver corresponds to Windows XP Service Pack 2 and Service Pack 3.

**NOTE** Keep in mind that since the software is often updated, the system requirements and corresponding devices are subject to change. You can check the latest version information of each software, its system requirements and supported devices at the following website.

<http://www.yamahasyth.com/>

The system requirements may differ slightly depending on the particular computer.

# Installing the Driver

This section shows you how to install Yamaha USB Audio Driver.

## 1 Disconnect all USB devices (except for mouse and keyboard) from the computer.

## 2 Start the computer and use an “Administrator” account to log on to Windows.

Close all applications and windows that are open.

**NOTE** For Windows XP, go to [Start] → ([Settings] → [Control Panel] → ([Performance and Maintenance] → [System] → [Hardware] → [Driver Signing] → [Driver Signing Options], and select the radio button to the left of “Ignore - Install the software anyway and don't ask for my approval” and click [OK]. After completing the installation, make sure to restore the original setting if necessary.

## 3 Connect the device compatible with Yamaha USB Audio Driver directly (without using a USB hub) to the computer.

**NOTE** The first time you connect to the computer's USB terminal, or change the connection to a different USB terminal, a driver installation display may appear. If this occurs, wait until the installation is complete before proceeding.

## 4 Make sure that the standard driver of the operating system is available.

### For Windows Vista:

From the [Start] menu, select [Control panel] → ([hardware and sound] → [Device Manager], to open the “Device manager” dialog. If “USB Audio CODEC” is normally displayed as [Sound, Video, and Game Controller], the operating system's standard driver is installed. The “User Account Control” screen may appear. Click [Continue].

### For Windows XP:

From the [Start] menu, select ([Setting] → [Control Panel] → ([Performance and Maintenance] → [System], to open the “System property” dialog. Click the [Hardware] tab and then the [Device Manager] button to open the “Device manager”. If “USB audio device” is normally displayed in “Sound, Video, and Game Controller”, the operating system's standard driver is installed.

## 5 Double click the “Setup.exe” icon to start the installer.

## 6 Follow the instructions on screen.

**NOTE** If a message saying “The software you are installing has not passed Windows Logo testing” (Windows XP), “User account Control” or “Windows Security” (for Windows Vista) is displayed, click [Continue], [Allow] or [Install].

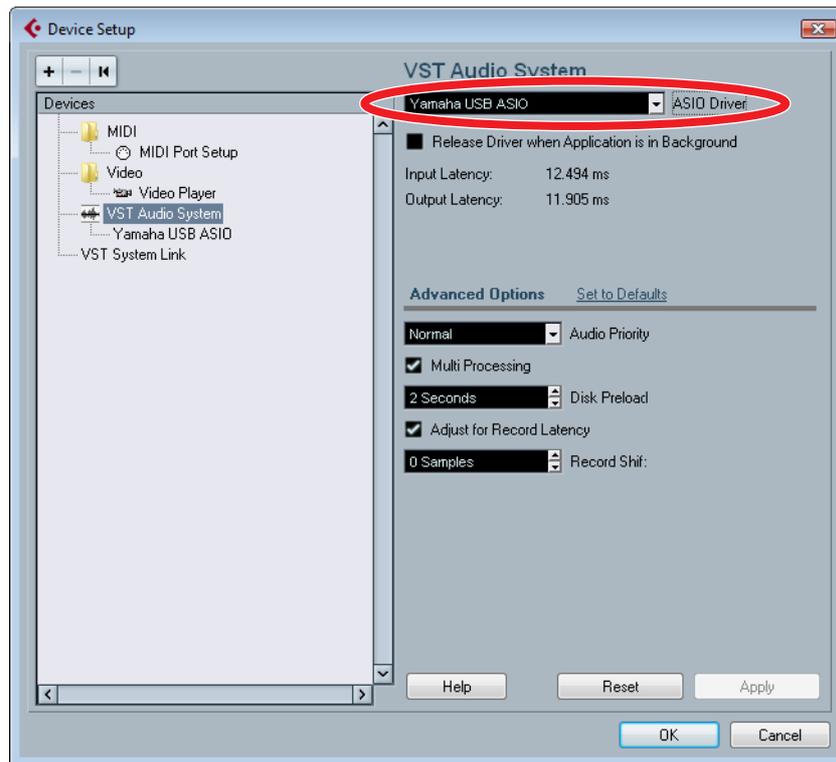
## Selecting the Driver

This section shows you how to select the driver, using Cubase AI 4 and a multimedia application such as Windows Media Player as examples.

**NOTE** Connect the device to the computer before you select the driver.

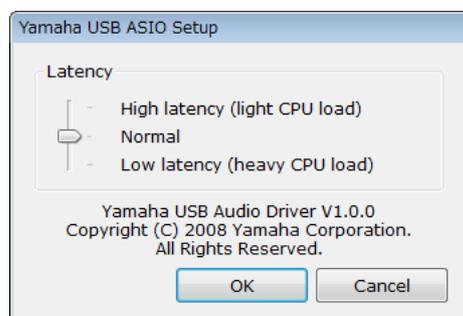
### When using DAW software such as Cubase AI 4

Within Cubase AI 4, select [Device Setup] from the [Devices] menu to open the Device Setup window. Select [VST Audio System] in the [Devices] field on the left side of the window. Select [Yamaha USB ASIO] in the [ASIO Driver] field on the right side of the window.



### Latency setting

If you wish to adjust the latency, change the settings on the control panel of the driver. If you are using Cubase AI 4, select [Yamaha USB ASIO] in the [Devices] field, and then click [Control Panel] in the Device Setup window shown above to open the Yamaha USB ASIO Setup window.



Adjust the latency by dragging the slider. Moving the slider to the Low latency setting reduces the latency (sound delay). If the sound is intermittent or noise is audible, set the latency to High latency.

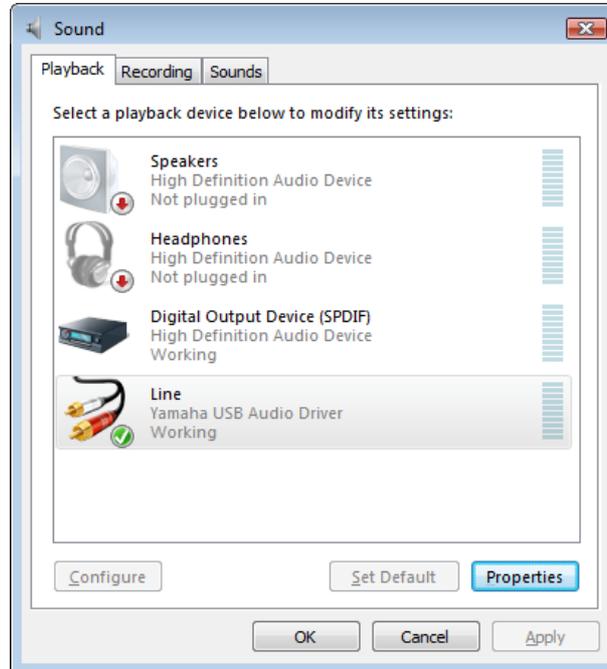
## When using Multi Media Applications

Follow the instructions below when using multimedia applications such as Windows Media Player, iTunes and others.

**NOTE** Connect the device to the computer before you select the driver.

### ■ For Windows Vista

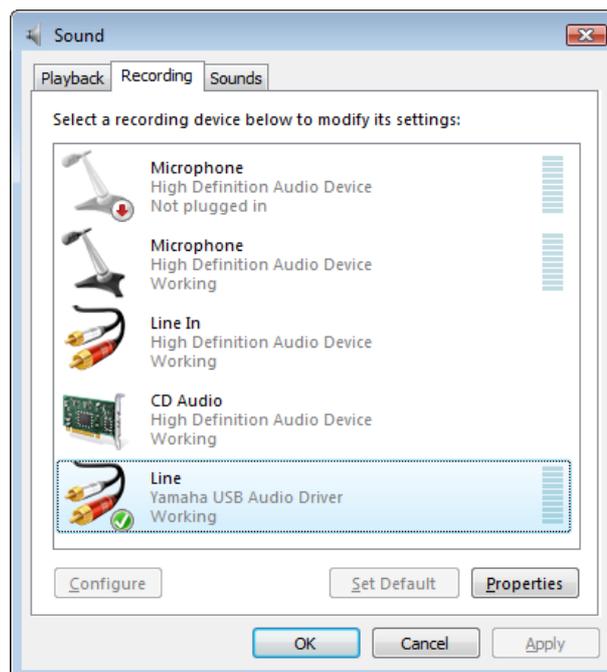
- 1 From the [Start] menu, select ([Hardware and Sound]→) [Sound]  
The “Sound” dialog appears.



Click the [Playback] tab → [Line] (Yamaha USB Audio Driver) icon → [Set Default] button.

**NOTE** A green checkmark icon appears on the selected icon.

- 2 Likewise, click the [Recording] tab → [Line] (Yamaha USB Audio Driver) icon → [Set Default] button

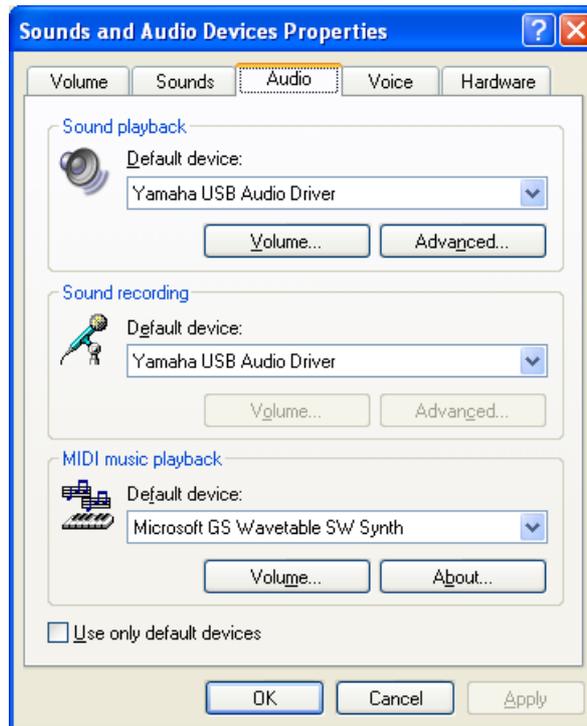


- 3 After completing the setup, click [OK] to close the dialog

## ■ For Windows XP

- 1 From the [Start] menu, select ([Sounds, Speech, and Audio Devices] →) [Sounds and Audio Devices] → [Sound]

The “Sounds and Audio Devices Properties” dialog appears.



Click the [Audio] tab, and select [Yamaha USB Audio Driver] as the Default device both in the “Sound playback” field and the “Sound recording” field.

- 2 After completing the setup, click [OK] to close the dialog.

# Uninstalling the Driver

## ■ For Windows Vista

- 1 Disconnect all USB devices (except for mouse and keyboard) from the computer.**
- 2 Start the computer and log on to the Administrator account.**  
Exit from any open applications and close all open windows.
- 3 From the [Start] menu, select the [Control Panel] → [Programs and Features] or [Uninstall a program] to display the “Uninstall or change a program” window.**
- 4 Select “Yamaha USB Audio Driver” from the list.**
- 5 Click [Uninstall].**  
If the “User Account Control” window appears, click [Allow] or [Continue].  
A dialog box appears. Follow the instructions to remove the software.

## ■ For Windows XP

- 1 Disconnect all USB devices from the computer except for the mouse and keyboard.**
- 2 Start the computer and log on to the Administrator account.**  
Exit from any open applications and close all open windows.
- 3 From the [Start] menu, select ([Settings] →) [Control Panel] → [Add or Remove Programs] to display the Add or Remove Programs panel.**
- 4 Click “Change or Remove Programs” located in the upper left, then select “Yamaha USB Audio Driver” from the list in the right pane.**
- 5 Click [Remove].**  
A dialog box appears. Follow the instructions to remove the software.

# Troubleshooting

## Driver cannot be installed

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- **Is the device properly connected to a computer?**  
Disconnect the cable, then connect it to the same terminal again.
- **Make sure the device is powered on.**  
If not, power-on the device.
- **Is “Please wait \*\*\*\*” shown?**  
It may take a few minutes until the next dialog appears.

## Driver cannot be selected

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- **Is the device properly connected to a computer?**  
Disconnect the cable, then connect it to the same terminal again.
- **Make sure the device is powered on.**  
If not, power-on the device.
- **Is the device of this driver being used by any other applications?**  
Be sure to quit all applications you are not using.

## No sound

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- **Is the driver correctly set?**  
Confirm the driver setting. When using a multimedia application, refer to pages 6-7. When using the Cubase series, select [Device] menu → [VST connection], and confirm that the audio device for the input and the output is Yamaha USB ASIO. When using any other DAW software, check the driver setting in the appropriate menu.
- **Is the device of this driver being used by any other applications?**  
Be sure to quit all applications you are not using.
- **Is the device properly connected to a computer?**  
Disconnect the cable, then connect it to the same terminal again.
- **Make sure the device is powered on.**  
If not, power-on the device.
- **Is the volume setting appropriate?**  
Set the volume appropriately for the device and the application.
- **Is the sampling frequency appropriately set? (For Windows Vista)**  
Match the sampling frequency of the DAW software with that specified on OS for the multimedia application etc. To change the sampling frequency of the DAW software, refer to the manual of the DAW software. To change the sampling frequency of a multimedia application, perform the following steps: From the [Start] menu, select [Control Panel] → ([Hardware and Sound] →) [Sound] to display the “Sound” dialog. Click [Yamaha USB Audio Driver] → [Properties] to display the [Line Properties] dialog. Change the sampling frequency in the [Detail] tab.

## The sound is intermittent or noise is audible

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- **Is the Latency setting appropriate? (For ASIO)**  
Set the slider to the High latency position in the “Yamaha USB ASIO Setup” dialog.
- **Is the device of this driver being used by any other applications?**  
Be sure to quit all applications you are not using.
- **Is a power-saving function on?**  
Make sure that all power-saving functions are turned off.
- **Could an excessive load be applied to the driver? (For ASIO)**  
Reset the driver. In Cubase AI 4, select [Devices] → [Device Setting] → [VST Audio System], and then click the [Reset] button.
- **Could you be using a USB hub?**  
Connect the device directly to the USB terminal of the computer, without using the USB hub.