USB-ASIO V2.09 driver's guide (Win)

http://www.usb-audio.com

1. Installation

For unzipping you need WinZip: e.g. http://www.winzip.com - guess you did this ;-)

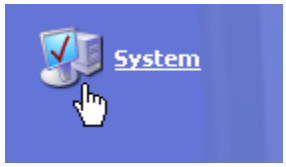
1. Unzip "usb_asio.zip".
2. Run "setup.exe"
3. Agree to our terms of license. Please encourage your friends to purchase their own keycode if you use the commercial version.
4. If there's already a driver for your USB Audio device installed, you will be prompted for uninstallation of the earlier ones. It should be safe to let "setup.exe" do the job.

5. After completion of the setup reboot the computer.

6. Win 98/SE/ME/2000: on the next start you might be asked to insert your Windows® CD and have to follow the "Found New Hardware Wizard". See Step 9 for Win XP.
7. In order to complete the installation reboot again.

8. On Windows 2000 and XP® there might be a "Digital Signature Not Found" message. You can safely ignore it and click "Yes".

9. After running "setup.exe" and rebooting on Win XP ® unfortunately the native USB audio driver is installed again automatically while the interface is plugged. We're working on an installer that workarounds this. Meanwhile installation is a little bit tricky on Windows XP:

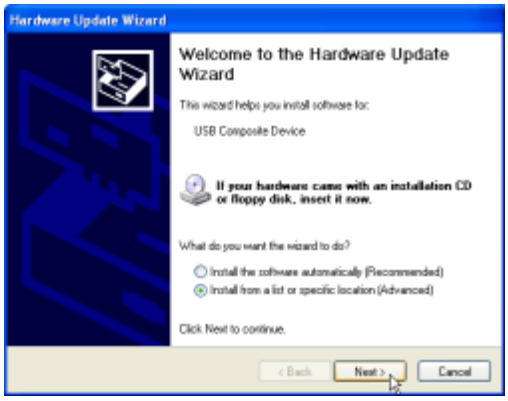


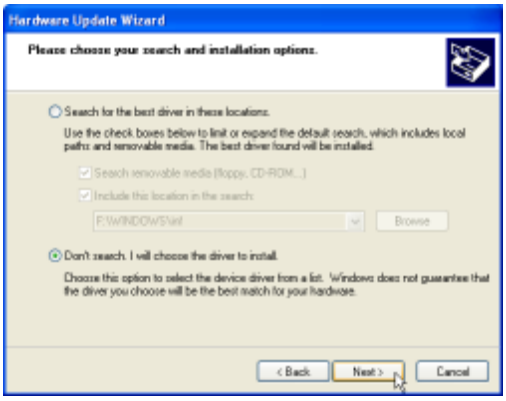
As a first step open the system control panel and select "driver signing" from the menue.

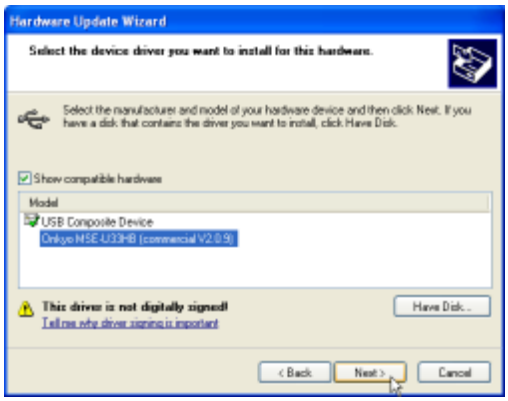
10. Select "Ignore" for driver signature options. (You can switch it back at any time after the installation.)

11. Make sure that the USB audio device is connected. After this click on the "Device Manager". Update the driver for the USB audio box (usually it's a composite device) like this:

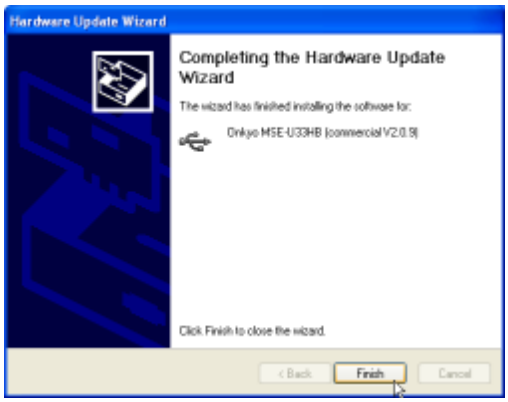
(There might be other composite devices like the keyboard .)



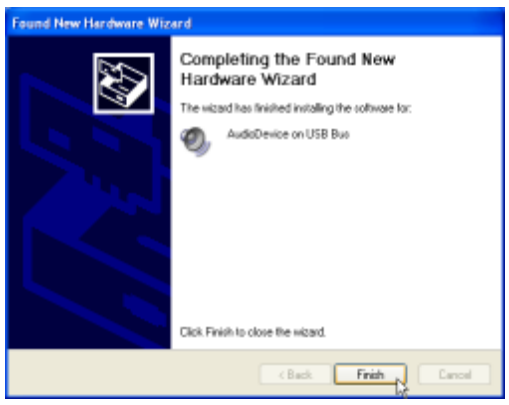




12. Two drivers will be installed now: The USB part of the USB ASIO driver and support for the MME connection. The 16bit / 44.1 kHz MME connection (currently not supported on Extigy) makes life easier if you want to use non-ASIO apps. It's called "AudioDevice on USB Bus" and can be installed "automatically".

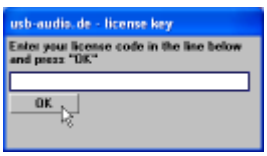


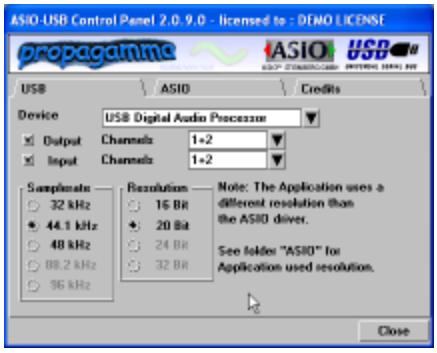
13. On completion it's ready for use – if you're on Windows XP disable system sounds (e.g. for folder actions) and always click the device removal icon at the taskbar before unplugging - have fun and do some good music with it!

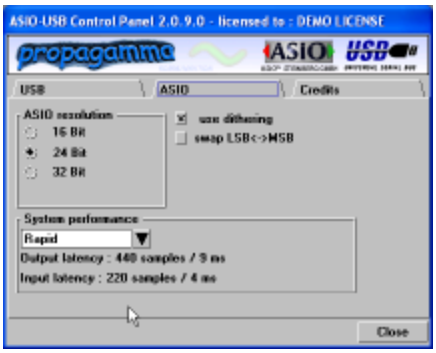


2. Choose bit-depth and sample resolution

Enter the control panel via the button in your application's ASIO settings. If the driver's not licensed yet you're prompted to enter the keycode. Click "ok" in order to use it in demo mode.





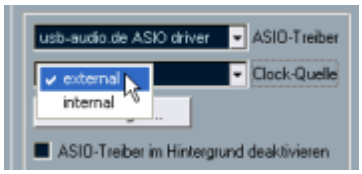


The devices pane allows to select the bitrate used for the USB connection. Some devices only support 16bit.

"ASIO resolution" is the bitrate used for the ASIO connection. If it's different from the USB transfer rate sound quality can be increased by adding "dither". (Dither is noise added to the bits that have to be cut off. So the noise isn't audible but changes the "arithmetical carry" on rounding the last bit to be used.)

"System performance" changes buffersizes and latencies. Higher values allow the use of more plugins, effects etc. at the same time but aren't fun playing virtual instruments live.

"swap LSB <-> MSB" might be necessary on some applications, usually it's LSB first on Windows, MSB first on Mac. This option allows you to switch it, still you might not need it.



It's recommended to use "external" sync since USB Audio devices generate their "own" samplerate.

Some functions are for future use and disabled – don't worry about that.

3. Get updates

New versions are available from your manufacturers website (or http://www.usb-audio.com if you purchased the commercial version). For questions contact the manufacturer / distributor of your device (or support@usb-audio.com if you use the commercial version.)

4. Uninstall

Uninstallment works (like with any other Windows® software) via the system control panel. After the driver's are removed you're prompted to restart your computer.

On the next start the driver installation procedure starts again like if you plugged your device for the first time.

5. Opcode interfaces

As soon as you installed this driver, it's no longer possible to change the settings. So choose the input you need (digital or analogue - okay, no choice on DATport) and set the interface to 48kHz at 24bit before installation. This will enable all available bit- and samplerates later on.