

# USB-ASIO V2.0 driver's guide (Mac OS 9)



<http://www.usb-audio.com>

## 1. Installation

For unstuffing you need Aladdin's expander:

<http://www.aladdinsys.com/expander/>

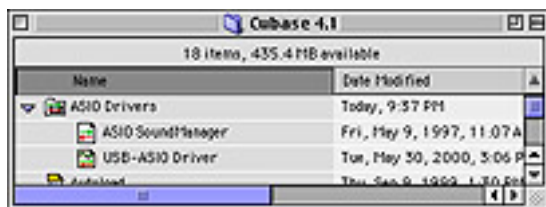
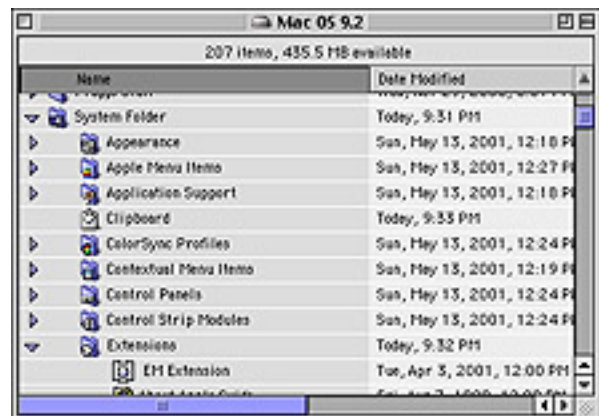
After unstuffing you should find two files:



- place the "PGUSBAudioDriver" into the „Extensions" folder (part of the „System Folder")



- place the ASIO driver into the „ASIO Drivers" folder of the application you want to use it with



- restart your computer
- plug the interface

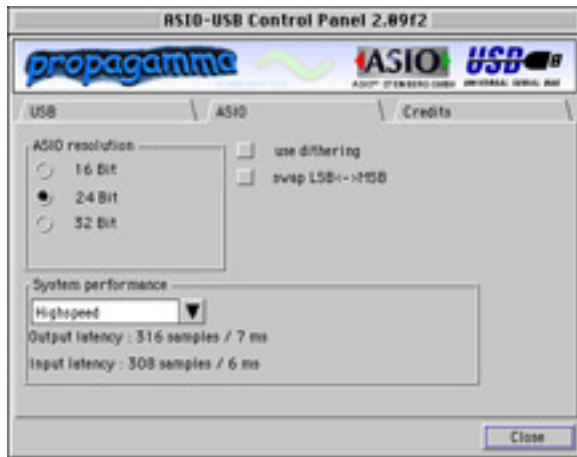
## 2. Choose bit-depth and sample resolution

Enter the control panel via the button in your application's ASIO settings. 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

If new versions are available you'll get an eMail. For questions contact [support@usb-audio.com](mailto:support@usb-audio.com)

### 4. FAQs

**- Which machines did you use for testing ?**

So far we had the driver run on Apple's G3 (classic iMac, iMac DV, iBook, PowerBook, etc.) and G4 machines (also Cube, Titanium, eMac, iMac G4 and dual processor PowerMacs).

We checked it with Mac OS 9.04 - OS 9.2.2.

Always plug the USB interface directly to your computer or use a high quality hub.

**- What software did you use for testing?**

It runs with Steinberg's Cubase 3.7 / 4.1 / 5.1, Cubasis, Wavelab 4.0 and Nuendo V1.6.x, Emagic's Logic Silver / Gold / Platinum 4.7.3(!) - 5.5 and Micrologic (Mac and Windows), Propellerheads' Reason V1.0.1 / V2.0 and Native Instruments software like PRO-52, Absynth, Reaktor and FM7 - please use the latest updates of NI software. We also checked Bias' Peak, TC's Spark, MAX/MSP and Digital Performer V2.7 and V3.02 (all trademarks). DP3 users: update to V3.02 or later. Ableton's Live works, but you need another ASIO app to access the control panel. This is the case with some DP versions also. Vision DSP has been reported to be compatible - you need to trash the application's "pref"-file after the first start.

**- Is this an ASIO2 driver?**

We use some ASIO2 functions, still the driver is compatible to ASIO1.

**- How can I use USB Audio via SoundManager?**

Switch off the "PGUSBAudioDriver" via "Extensions Manager" and replug the interface.

**- Time after time I hear crackles on audio output, what can I do?**

Sometimes this problem is caused by cables and hubs. You should use high quality USB equipment only. Possibly it is caused by limited computer performance (e.g. using "highspeed mode"): switch to another mode. In some cases it might be a silicon issue of hardware incompatibility that only effects the output path. If your interface provides a digital input select it and leave it open. While the driver is switched to "internal" it provides the sample rate generation and you should get dropout-free output. Don't forget to switch back for recording.

OS9.1 - OS9.2.2: Make sure AppleTalk or PPP is selected in the TCP/IP control panel. (AppleTalk has to be turned on in order to select it.) Then switch off AppleTalk.

To check for "disturbing tasks" give these apps a try:

Process watcher: <http://perso.magic.fr/suli/pw.html/>

Peek-a-Boo: <http://clarkwoodsoftware.com/peekaboo/>

**- The driver crashes at start-up time?**

Try plugging the interface after the boot process

**- There's no sound output?**

Most common reasons - Cubase: audio's disabled, click on enable audio. Logic Audio: Set the tracks to "ASIO" (ASI means ASIO). iMic users: If this is the first run there might be an init problem, enter the volume control tab and toggle the checkboxes.

**- The driver quits with "not authorized..." and the "ShowEthernetAddress" tool quits with an error. What's wrong?**

If this is the case you have to reinstall Mac OS and select the "Ethernet / Network" related stuff if you want to customize the setup.

**- The driver doesn't work anylonger?**

Trash the pref-files: "PGUSB..." and "usb-audio.de ASIO driver" in "System Folder" / "Preferences".

**- Creative Extigy Limitations:**

48 kHz, stereo output, line, mic and mix input (mute the output on using monitor for digital input), no MIDI, no remote control functionality.

## 5. Errors

*- Error Message: „No ASIO driver" / "Out of memory"*

The USB driver had not been loaded properly. Try plugging the interface after the boot process. You can check if the driver's loaded using "AppleSystemProfiler" (Devices&Volumes - The "PGUSBAudioDriver" extension has to be activated within "Extension Manager" and you need at least Mac OS9.0.4.)

If you're using the Mbox disable the Digidesign USB extension.

*- Error Message: „There's an old USB device driver..."*

This message appears if you're using an old version of the "PGUSBAudioDriver".

*- Error Message: „Not licensed..."*

Check your hardware address and let us know if you feel you receive this message in error. ;-) There's a tool app available for this at <http://www.usb-audio.com/address.html>

**Further information:** <http://www.usb-audio.com/support.html>