Apogee **AppNotes**

PRODUCT: MiniMe, MiniDAC

TOPIC: USB Compatibility and Setup – Panther/G5

Compatibility with New Apple Releases

With the release of Apple's G5 hardware and OS X 10.3 operating system, native audio performance on the Mac has taken a significant leap forward. In this AppNote you'll find the following information:

- Compatibility information concerning the G5, OS X 10.3, Apogee's USB interfaces (MiniMe,MiniDAC) and specific software applications.
- Instructions for setting up the MiniMe and MiniDAC for use with eMagic Logic, Steinberg Nuendo 2/Cubase SX, MOTU Digital Performer and Apple iTunes.

Application/Version	OS X 10.3	G5	Notes
eMagic Logic / 6.3.3	\checkmark	\checkmark	No ASIO driver is needed for CoreAudio compatibility. If the Apogee ASIO driver has been installed, it must be removed (please see the Application Notes further in this document.
Steinberg Nuendo / 2.10 (Cubase SX / 1.0.6)	\Box	\checkmark	Apogee ASIO driver must be installed. Please consult the Application Notes further in this document for setup instructions.
MOTU Digital Performer / 4.11		\checkmark	Apogee ASIO driver must be installed. Please consult the Application Notes further in this document for setup instructions.
Apple iTunes	\checkmark	\checkmark	No ASIO driver is needed. Use Apple Audio Midi Setup to configure the Apogee USB device as the audio interface for iTunes

MiniMe / MiniDAC USB Compatibility Chart

Apogee USB ASIO Driver

When required, the Apogee USB ASIO Driver may be downloaded from our website here:

http://www.apogeedigital.com/downloads/index.php

Installation instructions are included with the download.

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Confirguring eMagic Logic (6.3.3) - No ASIO driver necessary

Before opening Logic, connect the Apogee USB device to your computer.

Under Audio → select Audio Hardware & Drivers.

Check the Core Audio box, click on the associated arrow to display Core Audio driver parameters, and choose Apogee MiniME (or MiniDAC) from the Driver drop-down menu.

⊖ ○ Preferences	
Audio Driver	:
▼ Core Audio System Memory Requirement: 29,0 MB Driver Apogee MniDAC Volume Smoothing [ms] 50 Max. Number of Audio Tracks 24 W Universal Track Mode Max. Scrub Speed Normal 20/24 Bit Recording Valuter Monitoring Process Buffer Range Medium	•
C go don don't Playback mode (less CPU load) Playback mode (less CPU load) C D O VS D Direct TDM	
▷ □ Direct I DM	
	ОК

Select →OK

Select \rightarrow **Try(Re)Launch** to refresh Logic using MiniDAC Core Audio option.

(After changing the sample rate of the Apogee USB interface without closing and re-opening the Logic session, communication between the hardware and software may be lost; in this case it's necessary to reboot Logic. This may be

most easily accomplished by toggling a buffer setting to a new value and then back to the desired value; the Reboot dialog box will appear; select Try (Re)Launch to reboot Logic.)

In the Environment window, select all Audio tracks, set Dev to CoAu (CoreAudio) and assign the desired Input and Output to each Audio track.



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Configuring Steinberg Nuendo (2.10) - Apogee USB ASIO Driver Required

WHEN USING THE APOGEE ASIO DRIVER, START YOUR SESSION IN THIS ORDER!

1) Boot up the computer.

- 2) Connect the Apogee USB Device.
- 3) Open the audio application (or session).

Under the **Devices** menu select **Device Setup**.

From the Devices column select VST Multitrack.

Under the **Setup** tab select **Apogee MiniMe (or MiniDAC)** in the **ASIO Driver** drop-down menu.

 $\text{Select} \rightarrow \textbf{OK}$

From the Devices column, select VST Connections.

Select the Input tab; under ASIO Device Port, assign Apogee MiniMe (or MiniDAC) to the Left and Right Stereo In busses.

Select the **Output** tab; under **ASIO Device Port**, assign **Apogee MiniMe** (or **MiniDAC**) to the **Left** and **Right Stereo Out** busses.

In the **Mixer** window, assign the **Stereo In** and **Stereo Out** busses to audio tracks to send and receive audio between the Apogee USB device and Nuendo software.

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Configuring MOTU Digital Performer (4.11) - Apogee USB ASIO Driver Required

WHEN USING THE APOGEE ASIO DRIVER, START YOUR SESSION IN THIS ORDER!

- 1) Boot up the computer.
- 2) Connect the Apogee USB Device.
- 3) Open the audio application (or session).

Under Setup \rightarrow Audio System, select MOTU Audio System. Under Setup \rightarrow Configure Audio System, select Configure Hardware Driver.

Select **Apogee MiniMe** (or **MiniDAC**) in the driver selection "window". Select the desired **Sample Rate**.

Core Audio	南	
Built-in Audio		A
Apogee MiniDAC (usb-	-audio.de 0.9.1)	
		w
Master	Device : Apogee MinDAC (ust	>-audio.de O 🛢
Samp	ole Rate : 44100	\$
Clock Modes :		
Apogee MintDAC (usb-audio	.de 0 📦 [\$
Buft	fer Size : 1024	÷
Host Buffer Mu	ultiplier: 2	\$
		_

Select OK.

In either the **Sequences** or **Mixing Board** windows, select **Apogee MiniMe** (or **MiniDAC**) as Input and Output.



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Configuring iTunes (or other CoreAudio Apps)

Before opening iTunes, the Apple Audio Midi Setup utility must be used to configure the Apogee USB interface as the Default Input/Default Ouput.

Before opening the Audio Midi Setup, connect the Apogee USB device to your computer.

From the **Applications** → **Utilities** folder, open the **Audio Midi Setup** utility.

Set **Default Input** and **Default Output** to **Apogee MiniMe (MiniDAC)**.

To hear System alerts via the Apogee interface, set **System Output** to **Apogee MiniMe** (MiniDAC).

Choose the desired Sample Rate and Bit Resolution in the lower half of the AMS window.

$\Theta \Theta$	Audi	o MIDI Setup			
	Audio Devi	ces MIDI Devices			
System Settings					
Default Input:	Apogee MiniDAC	Default Output:	🕂 Apogee MiniDAC	;	
		System Output:	System Output: 🖞 Apogee MiniDAC		
Properties For:	Apogee MiniDAC	•			
Clock Source:	Default	A			
Audio Input		- Audio Output -			
		C C	onfigure Speakers		
Master Stream	*	Master Strea	m (*)		
Source: Defa	ult 🛓	Source: Def	ault	Å.	
Format: 4410	0.0Hz 💽 2ch-24bit 🛟	Format: 441	00.0Hz 🔽 2ch-24bit	;	
Ch Volume	dB Value Mute Thru	Ch Volume	dB Value	Mute	
M \ominus	n/a n/a	M	n/a n/a		
1 💮	n/a n/a	1 💮	n/a n/a		
2 💮	n/a n/a 📃	2 😔 🚽	n/a n/a		

The Audio Midi Setup Utility should be used when the audio application employed doesn't have audio interface selection capability included.

Removing the Apogee USB Driver Extension

When the Apogee USB Driver Extension is installed, it's not possible to use native Core Audio applications until the Extension is removed. The Extension may be found in the **System** - **Library** - **Extensions** folder.

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	: = •• •					Q- local disks
	Applications	⊳	📁 Library	Caches	Þ	ACard62xxM.kext
Netw	📄 🧊 Library	⊳		CFMSupport	⊳	🗇 ACard68xxM.kext
	🚺 System			Classic	⊳	💮 ACard671xSCSI.kext
	🗊 Users	⊳		ColorPickers	_ ⊳	🗇 ACard6885M.kext
nine				Colors	_ ⊳	🗇 ACard67162.kext 🛛 🚺
				ColorSync	⊳	Adaptec78XXSCSI.kext
				Components	⊳	💮 Adaptec22930.kext
Deskt				📁 Contextual Menu Items	⊳	💮 Adaptec29160x.kext
				CoreServices	⊳	🗇 Adaptec39160.kext
roger				Dictionaries	⊳	C ApogeeUSB.kext
A				Displays	⊳	Apple_ISight.kext
Appli				DTDs	⊳	Apple02Audio.kext
				Difference Extensions		Apple16X50Serial.kext
Docu				Extensions.kextcache		AppleAD741x.kext
				Extensions.mkext		AppleADBButtons.kext
	r			Filesystems	⊳	AppleADBDisplay.kext

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