

NOTE: If you are not using the SoundMAX 4.0 software, please disregard this Release Note.

PACKAGE VERSION

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DATE RELEASE NOTES UPDATED

04/17/2003

PURPOSE OF RELEASE

This build of SoundMAX 4.0 software includes:

- * Golden Master support for SoundMAX 4 Control Panel
- * Golden Master support for Audio Plug and Play
- * Golden Master support for SoundMAX Synthesizer (using High performance Kernel mode DLS 2 software MIDI Technology)
- * Golden Master support for Sensaura 3D Sound
- * Golden Master support for the Andrea Electronics Microphone
- * Golden Master support for the Intel 82801EB chipset.
- * Golden Master support for the AD1985 CODEC.

Please note that the SoundMAX 4.0 release notes and history documents are not for distribution to end-users.

COMPONENT/VERSION

a3d.dll 4.12.01.2008
ADIALTGD.INI 1.0.0.1
aeaudio.sys 3.0.2.29
AEEnable.exe 1.0.0.8
audio3d.dll 4.12.01.2008
CleanUp.exe 1.0.0.2
crls3d.dll 4.12.01.2002
data.tag 4.00.24
dlsldr.exe 4.0.1.0
DsndUp.exe 1.0.0.9
install.exe 5.0.2195.1620
listenv.dll 4.0.7.0
MiCTab.dll 4.0.4.0
midiIO.dll 3.3.2.0
midisyn.cat 12\19\02 6:58:52 PM
midisyn.dll 4.0.4.0
midisyn.inf 3.3.7.3
midisyn.sys 3.3.7.3
migrate.dll 4.0.0.0
migrate.dll 5.00.2195.1608
Platform.cfg 003
RemDev.exe 1.0.0.1
remove.exe 5.0.2195.1620
sf.sys 5.02.0002.3
SMAgent.exe 3.2.6.0
SMAgentI.exe 3.2.2.0
SMAgentX.exe 3.2.2.0
smax4.cpl 4.0.1.0
smax4.exe 4.0.4.14
smax4pnp.exe 4.0.3.9

smax4wiz.exe 4.0.4.6
 smmedia.dll 1.0.0.8
 smsens.sys 5.12.01.0000
 smwdm.sys 5.12.01.3581
 smwdm.sys (comment) 5.12.01.2579
 smwdmf.dll V1.00 - 20.01
 Virtear.dll 1.0.0.6
 wdmioctl.dll 2.0.0.3
 WDMstub.sys 5.0.0.4

COMPONENT QUALIFICATION AND LANGUAGE

:	AL=Alpha
:	BT=Beta
:	RC=Release Candidate
:	GM=Golden Master
:	blank=not available
AP	().. APD (English)
AR	().. Middle East Region (Arabic OS/ English SW)
AS	().. Austria (German)
AU	(GM).. Australia (English)
BF	().. Belgium (French)
BN	().. Belgium (Dutch)
BR	(GM).. Brazil (Brazilian Portuguese)
CE	().. Canada (English)
CH	(GM).. PRC (Simplified Chinese)
DK	().. Denmark (Danish)
ED	().. US Educational (English)
EE	().. Europe (English)
FC	(GM).. Canada (French)
FI	().. Finland (Finnish)
FR	(GM).. France (French)
GB	(GM).. United Kingdom (English)
GR	(GM).. Germany (German)
HE	().. Hebrew
HK	().. Hong Kong (English)
IN	().. India
IT	(GM).. Italy (Italian)
JP	(GM).. Japan (Japanese)
KR	(GM).. Korea (Korean [Hangeul])
LA	(GM).. Latin America (LA Spanish)
LX	().. Luxembourg
ME	().. Malaysia (English)
NL	().. Netherlands (Dutch)
NO	().. Norway (Norwegian)
NZ	(GM).. New Zealand (English)
PH	().. Philippines (PTT)
PO	(GM).. Poland (Polish)
PT	(GM).. Portugal (Brazilian Portuguese)
RU	(GM).. Russia (Russian)
SE	().. Sweden (Swedish)
SF	().. Switzerland (French)
SG	().. Switzerland (German)
SI	().. Singapore (English)
SP	(GM).. Spain (LA Spanish)
TH	().. Thailand (Thai)
TW	(GM).. Taiwan (Traditional Chinese)
US	(GM).. US (English)

Localization is supported in this release.

INSTALLATION AND REMOVAL INSTRUCTIONS

Installation or Update of Analog Devices SoundMAX 4.0

NOTE: Remove any previously installed driver using the instructions in the next section.

1. From the task bar, click on Start -> Run.
2. In the Run dialog box, type X:\path\setup, where X:\path is the full path to the root of the installation media.
3. When upgrading or reinstalling, a dialog will appear. Select Reinstall and press Next.
4. Click on the OK button or press the ENTER key.
5. Click on the Next and OK prompts as they appear. "Hardware Installation" dialog box may appear in the case of unsigned driver releases when the valid driver security catalog file is not included in the install set. The dialog box is warning that SoundMAX software has not passed Windows Logo testing. Press "Continue Anyway" to install unsigned driver.
6. Reboot the system to complete the installation.

Removal of Analog Devices SoundMAX Audio Driver

1. From the task bar, click on Start -> Settings -> Control Panel, or for Windows XP click on Start -> My Computer -> System Tasks.
2. Double-click on the Add/Remove programs icon.
3. Double-click on SoundMAX Install.
4. If the installation media is present, a dialog will appear. Select Remove and press Next.
5. Reboot the system to fully uninstall the drivers.

UNATTENDED (SILENT) INSTALLATION INSTRUCTIONS

Unattended installations use an InstallShield Silent Response File (setup.iss) to provide user input.

Running an Unattended Installation

Run SETUP.EXE as described in the installation section above, but with the -s parameter to use the .iss file that is provided with the driver.

To use a different setup.iss file, use the -f1 parameter to provide the full path to the file.

NOTE: When running an installation in silent mode, no messages are displayed. Instead, a log file named Setup.log captures installation information, including whether the installation

was successful. The -f2 parameter can be used to control where the log file is created.

Running an Unattended (Silent) Uninstallation

1. From the task bar, click on Start -> Run.
2. In the Run dialog box, type X:\path\setup -s REMOVE, where X:\path is the full path to the root of the installation media.
3. Reboot the system to fully uninstall the drivers.

Creating a Custom Silent Response File

Run Setup.exe as directed above, but with the -r parameter to record the install responses in setup.iss. Use the -f1 parameter to control where the .iss file is created. The line below creates setup.iss in the c:\tmp directory.

```
SETUP.EXE -r -f1c:\tmp\setup.iss
```

HARDWARE AND SOFTWARE DEPENDENCIES

This software has been designed for Windows(R) 2000, Windows XP, Windows ME and Windows 98SE. (See list of operating system upgrades below.)

This software is not intended for use with Windows 98 Gold.

1. The system must contain an AD1985 CODEC.
2. The system must contain an ICH5 chipset.
3. Microsoft DirectX 8.1 is required.
4. One of the following operating systems must be installed on the system:

Windows 98SE with QFE 269601*
Windows ME 4.90.3000
Windows 2000 with Service Pack 3 (SP3)*
Windows XP (Home or Professional) with Service Pack 1 (SP1)*

* Please be advised that if you use an earlier Service Pack or QFE (or no Service Pack or QFE), you may experience problems. Some of the problems will prevent the system from getting certified. Please check the Microsoft website for details.

For information about changes included in QFE 269601 for Windows 98SE, visit:
http://msdn.microsoft.com/library/default.asp?url=/library/en-us/stream/hh/stream/aud-design_5u07.asp

For information about changes included in Service Pack 3 for Windows 2000, visit:
<http://support.microsoft.com/default.aspx?scid=kb;en-us;Q260910>

For information about changes included in Service Pack 1 for Windows XP, visit:
<http://support.microsoft.com/default.aspx?scid=kb;en-us;Q322389>

Note: Microsoft has also released "Compatibility Updates" for Windows 2000 that address problems with specific applications. For a list of affected applications, visit:

<http://www.microsoft.com/windows2000/server/howtobuy/upgrading/compat/default.asp>

PRODUCT ENHANCEMENTS/FIXED DEFECTS

- * #2564 - Fixed problem where the driver claims that SoundMAX is not the default playback device while registering after installation. The Audio control application now appears in the tray as "Unavailable" during the device load time. This time can be considerable due to registration with the system for MIDI, and DirectX. This problem affected ICH5 chipset, AD1985 CODEC, Win98SE, and WinME OS's.
- * #2700 - Fixed problem where user could not disable AC3 or PCM using checkboxes found on Advanced Tab of the Master Slider. This problem affected ICH5 chipset, AD1985 CODEC, Win98SE, WinME, Win2K, and WinXP OS's.
- * #2747 - Added feature so that the SMX4 audio control panel now appears in the system tray as "Unavailable" until the registration process with the OS is completed. This feature affects ICH5 chipset, AD1985 CODEC, Win98SE, WinME, Win2K, and WinXP OS's.
- * #2761 - Added feature to Jack Sense calls to optimize them so that no extraneous calls may contribute to the notability of clicking due to Jack Sensing. This feature affects ICH5 chipset, AD1985 CODEC, Win98SE, WinME, Win2K, and WinXP OS's.
- * #2775 - Fixed problem where there were missing Listening Environment button tool tips. This problem affected ICH5 chipset, AD1985 CODEC, Win98SE, WinME, Win2K, and WinXP OS's.
- * #2831 - Fixed problem where, after launching the Sensaura Virtual Ear HTML page, the SMX4 GUI controls disappear. This problem affected ICH5 chipset, AD1985 CODEC, Win98SE, WinME, Win2K, and WinXP OS's.
- * #2887 - Fixed problem where Standby time-out did not work with SMX4. This problem affected ICH5 chipset, AD1985 CODEC, Win98SE, WinME, Win2K, and WinXP OS's.
- * #2914 - Fixed problem where SMX4 Control Panel would not re-open after seeing tool-tip in Listening Environment. This problem affected ICH5 chipset, AD1985 CODEC, Win98SE, WinME, Win2K, and WinXP OS's.
- * #2915 - Fixed problem where analog headphone output would be un-muted whenever Line out, and S/PDIF out shared the same jack. This problem affected ICH5 chipset, AD1985 CODEC, Win98SE, WinME, Win2K, and WinXP OS's.
- * #2916 - Problem fixed in SMax4PNP application where the warning dialog box pops up indicating that your device will not function properly due to speaker configuration change. It affects all OSs and AD1985 CODEC.

KNOWN ISSUES & BUGS

* Non-English versions (in particular) of Win98SE and WinME may experience problems with hang-ups or sound icons not displaying; restart PC to fix. This is an OS issue under investigation. Please note that this issue occurs more frequently with DirectX 9.0, than it does with DX8.1. It also occurs more frequently on Win98SE than WinME.

2928 - If stereo speakers are plugged in with Audio ESP disabled, rear Mic will not work properly when Audio ESP is enabled. This issue is worked around by toggling the 'Front Panel Mic' checkbox.

2929 - When the user tries to configure the Front Panel Mic after it has been enumerated, the Mic will not work properly. This is because Front Panel Mic needs to be checked off in the advanced options.

2950 - New and switched devices, which are plugged in during standby/hibernate are not detected once Windows returns from standby/hibernate.

2964 - The Rear Mic may be re-detected on startup. This is seen on every type of mic (Mono, Stereo, Superbeam).

* This driver has not been tested on Win XP IA64. A 64-bit driver has been developed and will be tested when platforms are available.

#2593 - This release does not support stereo ANR headphones.

#2782 - VIRTEAR.DLL is incorrectly not removed from C:\windows\system32\ after un-installing SoundMAX. No expected consequence or user action required.

This driver is built for the Microsoft(R) Windows Operating Systems.

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