



# PC 99 AUDIO SELF-TEST

## Windows Operating Systems

### Test Report

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#### **Contact Information**

##### **Company**

Company Name: Yamaha  
Web Address: \_\_\_\_\_

##### **Technical Contact**

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#### Device Information - **THIS IS A MANDATORY SECTION**

**Reference Design**

This box must be checked by chipset manufacturers only if the submission is a Reference Design to be resold to the OEM/IHV community. **Note:** WHQL will consider this the DEFAULT if no boxes have been checked.

**OEM Product Reference Design**

This box must be checked by chipset manufacturers ONLY if the submission is a custom design intended to be included in specific OEM systems.

**Custom Driver Update**

This box must be checked by chipset manufacturers ONLY if the submission consists of a **driver update** (refresh) for a previously logo'd submission. You are required to include a .DOC file with a "List of Driver version changes." WHQL must understand each specific change made to this driver set revision to perform full tests on only those components which have been affected. Our goal is to achieve minimal turn-around time to facilitate chipset manufacturers who provide just-in-time, custom drivers to their OEM customers. Please be concise in your listing.

#### Add-In Audio Adapter

<b>Product Name (required):</b>	<u>YAMAHA DS-1S PCI Sound Card</u>	This is what will appear on the Hardware Compatibility List at HCL.
<b>Model Name:</b>	_____	If different from Product Name, or used as internal Product ID.
<b>Announce Date (required):</b>	_____	Date product will be officially announced to the public. Your device will not appear on the Hardware compatible until after this date.

-OR-

#### On Board Audio Adapter in Laptop System

If you are submitting a range of laptop systems, please remember to provide the model names of the in-between laptop systems on the following Marketing Name Extension page. This is what will appear on the HCL.

<b>Product Name or Model Name of Laptop System (required):</b>	_____	Enter the model number of the high end model in the laptop line if submitting for multiple systems or the single model if only submitting one model.
	_____	Enter the lowest model in the laptop line if submitting for multiple systems if submitting a single device this should be blank
<b>Model Name of Audio Adapter used in Laptop System: (required)</b>	_____	The audio adapter model name MUST be the same across a range of laptop systems.
<b>Announce Date (required):</b>	_____	Date product will be officially announced to the public. Your device will not appear on the Hardware compatible until after this date.



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<b>Hardware at WHQL:</b>	<input checked="" type="checkbox"/> Test hardware is already at WHQL. <u>18070</u> Master ID that hardware was originally submitted under.	
<b>Retest:</b>	<input type="checkbox"/> Master ID of previously failed Self-Test submission <input type="checkbox"/> Windows 98 Second Edition <input type="checkbox"/> Windows 2000	(Note: The Product Name of Retest submission MUST match Product Name of original submission.)
<b>Audit Retest:</b>	<input type="checkbox"/> Master ID of previously failed Audited Self-Test submission <input type="checkbox"/> Windows 98 Second Edition <input type="checkbox"/> Windows 2000	(Note: The Product Name of Audit Retest submission MUST match Product Name of original submission.)
<b>Driver Update:</b>	<u>18475</u> Master ID of previously logo'd submission <input checked="" type="checkbox"/> Windows 98 Second Edition update <input type="checkbox"/> Windows 2000 update <input type="checkbox"/> .INF update ONLY	(Note: The Product Name of Driver Update submission MUST match Product Name of original submission AND the <b>Driver name MUST match the Driver name of the original submission.</b> )
<b>Localized Driver Package:</b>	<input type="checkbox"/> Master ID of previously logo'd submission (Only if this is a Localized Driver Package submitted after your Initial submission.)	
<b>Device Category:</b>  <b>*NOTE: IF NOTEBOOK HAS A DOCKING STATION, IT MUST BE SENT IN WITH NOTEBOOK SUBMISSION.</b>	<input checked="" type="checkbox"/> Card <input checked="" type="checkbox"/> PCI <input type="checkbox"/> ISA  <input type="checkbox"/> System <input type="checkbox"/> Desktop <input type="checkbox"/> Laptop or Notebook <input type="checkbox"/> Closed System <input type="checkbox"/> Docking Station <b>*SEE NOTE AT LEFT</b> <input type="checkbox"/> ISA Expansion Slots	
<b>BUS Interface:</b>	<u>PCI</u>	Select PCI, USB, P1394, ISA, or Other. Enter other interface here:



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<b>System BIOS:</b>	_____ Manufacturer _____ Date _____ Revision	Only if the device is a Laptop or desktop system with an audio device.
<b>Firmware Revision Number:</b>	N/A	
<b>CODEC Chipset Number:</b>	YMF744B, YMF745	
<b>Wavetable ROM Size:</b>	N/A	Size of the Wavetable sample ROM.
<b>Sample RAM Size:</b>	2M Byte	Size of RAM for downloadable soft samples.
<b>MIDI Support:</b>	<u>Other</u>	Indicate if Wavetable supports GM, GS, DLS, a combination, or other.
<b>CD-ROM / IDE Interface Supported:</b>	<input type="checkbox"/>	If selected, indicate interface type (ATAPI, Panasonic, etc.):
<b>3D Sound Hardware Support:</b>	<input type="checkbox"/>	If selected, indicate type of 3D chipset:
<b>Special Equipment:</b>	none	External Volume box, etc.
<b>Other Functions</b>	Gameport	Display, tuner, modem, game port, etc.



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#### Device Driver Information

<b>Operating System:</b>	<u>Windows 98</u>	
<b>Driver Name and Version:</b>	<u>4.06.2006</u> Windows 98 <u>4.00.1228</u> WindowsNT40 <u>4.06.2006</u> Windows 95 <u>4.10.2212</u> Windows 98 Second Edition _____ Windows 2000	List your in-house driver set name and identification version.
<b>Driver Location:</b>	<u>MFG</u> Windows 95 <u>MFG</u> WindowsNT40 <u>MFG</u> Windows 98 <u>MFG</u> Windows 98 Second Edition _____ Windows 2000	If you have no driver, or your drivers are provided by the operating system, select (BOX).  If you have provided drivers for your device and would like them to be posted on the Windows Driver Library select (WDL).  If you have provided drivers for your device, but would NOT like them posted on the Windows Driver Library select (MFG)
<b>DirectX Driver Supported:</b>	<u>Other</u>	Show the level of <b>DirectX</b> support.
<b>Driver shipped with Windows or DirectX?:</b>	<input type="checkbox"/>	Was this driver revision included in any retail release of <b>Microsoft Windows</b> or <b>DirectX</b> ?

#### Protected Mode Drivers (Including Support Files)

Filename	Binary Version	Date	File Size
<b>Windows 95 &amp; 98 &amp; 98SE</b>			
A3d.dll	4.05.00.1004	05/20/99	789,504
AUDIO3D.DLL	4.05.00.1004	05/20/99	789,504
crlds3d.vxd	4.05.00.1010	05/20/99	471,597
DS1.cpl	4.06.2006	08/27/99	237,568
DS1.HLP		07/23/99	21,519
dslaunch.exe	4.00.2003	08/27/99	262,144
DsPowExt.dll	4.06.2006	08/25/99	163,840
DSPOWEXT.HLP		07/23/99	9,604
dsxaplib.dll	4.00.2002	06/24/99	69,632
dsxmixer.exe	4.00.2003	08/27/99	339,968
Vsvl.vxd	4.00.1009	07/24/98	890,471
ydslg.driv	4.00.1028	08/27/99	47,072
ydslg.VXD	4.00.1028	08/31/99	37,651
ydsxg.dat		04/03/98	2,417,445



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ydsxg.driv	4.06.2006	08/27/99	98,816
ydsxg.vxd	4.06.2006	09/29/99	1,012,302
Ydsxg10.inf		09/10/99	19,157
ydsxgdk.inf		05/31/99	1,279
YDSXGDK.VXD	4.06.2006	08/25/99	5,816
Help/Cust_SONYNotebook/ helpfile/ENGLISH/DS1.HLP		07/23/99	21,519
Help/Cust_SONYNotebook/ helpfile/JAPANESE/DS1.HLP		07/23/99	20,441
Help/Cust_SONYNotebook/ power_hlp/English/DSPOW EXT.HLP		07/23/99	9,604
Help/Cust_SONYNotebook/ power_hlp/Japanese/DSPO WEXT.HLP		07/23/99	9,052
Inf/Cust_SONYNotebook/D ockee/IRX 1080&1110/AKM 454x/YDSXG10.INF		09/10/99	21,390
Inf/Cust_SONYNotebook/D ockee/IRX 1080&1110/STAC 9744/YDSXG10.INF		09/10/99	21,383
Inf/Cust_SONYNotebook/D ockee/IRX 1210/AKM 454x/YDSXG10.INF		09/10/99	21,390
Inf/Cust_SONYNotebook/D ockee/IRX 1210/STAC 9744/YDSXG10.INF		09/10/99	21,383
Inf/Cust_SONYNotebook/D ocker/Ydsxgdk.inf		08/23/99	1,834
Inf/Cust_T/API/Ydsxg10.inf		09/10/99	19,586
Inf/Cust_T/Generic/Ydsxg1 0.inf		09/10/99	19,586
Inf/Generic/4-ch/Mixer Launcher/Ydsxg10.inf		09/10/99	19,143
Inf/Generic/4-ch/No Mixer Launcher/YDSXG10.INF		09/10/99	17,286
Inf/Generic/4-ch/STAC 9708/YDSXG10.INF		09/10/99	17,237
Inf/Generic/Docking/Mixer Launcher/Ydsxg10.inf		09/10/99	19,157
Inf/Generic/Docking/No Mixer Launcher/YDSXG10.INF		09/10/99	17,291



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<b>Windows NT 4.0</b>			
ds1.cpl	4.00.1228	09/03/99	229,376
OEMSETUP.INF		06/25/99	2,977
YDSXG.DAT		04/03/98	2,417,445
ydsxg.sys	4.00.1228	09/02/99	982,072
ydsxg32.dll	4.00.1228	09/02/99	272,332
BRAZIL/DS1.HLP		07/15/99	20,735
BRAZIL/DSPPOWEXT.HLP		07/23/99	9,604
BRAZIL/MIDIMAP.CFG		10/03/98	42,250
ENGLISH/DS1.HLP		07/15/99	20,735
ENGLISH/DSPPOWEXT.HLP		07/23/99	9,604
ENGLISH/MIDIMAP.CFG		04/24/98	42,250
FRENCH/DS1.HLP		07/15/99	20,735
FRENCH/DSPPOWEXT.HLP		07/23/99	9,604
FRENCH/MIDIMAP.CFG		05/19/98	42,250
GERMAN/DS1.HLP		07/15/99	20,735
GERMAN/DSPPOWEXT.HLP		07/23/99	9,604
GERMAN/MIDIMAP.CFG		05/19/98	42,250
ITALIAN/DS1.HLP		07/15/99	20,735
ITALIAN/DSPPOWEXT.HLP		07/23/99	9,604
ITALIAN/MIDIMAP.CFG		05/19/98	42,250
JAPANESE/DS1.HLP		07/15/99	19,730
JAPANESE/DSPPOWEXT.HLP		07/23/99	9,052
JAPANESE/MIDIMAP.CFG		05/19/98	42,250
KOREAN/DS1.HLP		07/15/99	20,735
KOREAN/DSPPOWEXT.HLP		07/23/99	9,604
KOREAN/MIDIMAP.CFG		10/01/98	42,250
S_CHINA/DS1.HLP		07/15/99	20,735
S_CHINA/DSPPOWEXT.HLP		07/23/99	9,604
SPANISH/DS1.HLP		07/15/99	20,735
SPANISH/DSPPOWEXT.HLP		07/23/99	9,604
SPANISH/MIDIMAP.CFG		05/19/98	42,250
SWEDISH/DS1.HLP		07/15/99	20,735
SWEDISH/DSPPOWEXT.HLP		07/23/99	9,604
SWEDISH/MIDIMAP.CFG		02/25/99	42,250



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T_CHINA/DS1.HLP		07/15/99	20,735
T_CHINA/DSPPOWEXT.HLP		07/23/99	9,604
T_CHINA/MIDIMAP.CFG		10/01/98	42,250
THAI/DS1.HLP		07/15/99	20,735
THAI/DSPPOWEXT.HLP		07/23/99	9,604
<b>Windows 98 SE</b>			
DS1.CPL	4.10.2212	08/26/99	212,992
DS1.HLP		08/04/99	21,227
DS1.SYS	4.10.2212	08/30/99	2,508,604
DSLALUNCH.EXE	4.00.2002	08/06/99	262,144
DSXAPLIB.DLL	4.00.2002	07/13/99	69,632
DSXGWAVE.TBL		04/02/99	2,417,445
DSXMIXER.EXE	4.00.2002	07/13/99	339,968
NLDS1S.INF		09/10/99	39,109
HELP/Cust_SONYNotebook/English/DS1.HLP		08/04/99	21,519
HELP/Cust_SONYNotebook/Japanese/DS1.HLP		08/04/99	21,227
INF/Cust_SONYNotebook/IRX 1080&1110/AKM454x/Nlds1s.inf		09/10/99	39,893
INF/Cust_SONYNotebook/IRX 1080&1110/STAC9744/Nlds1s.inf		09/10/99	39,886
INF/Cust_SONYNotebook/IRX 1210/AKM454x/Nlds1s.inf		09/10/99	39,895
INF/Cust_SONYNotebook/IRX 1210/STAC9744/Nlds1s.inf		09/10/99	39,877
INF/Cust_T/Api/Nlds1s.inf		09/10/99	39,129
INF/Cust_T/Generic/Nlds1s.inf		09/10/99	39,129
POWER/DSXGEX.DLL	4.10.2212	08/31/99	86,016
POWER/DSXGEX.HLP		08/31/99	9,103
POWER/HELP/English-US/DSXGEX.HLP		08/31/99	9,103
POWER/HELP/FRENCH/DSXGEX.HLP		08/31/99	9,884
POWER/HELP/GERMAN/DSXGEX.HLP		08/31/99	9,392
POWER/HELP/ITALIAN/DSXGEX.HLP		08/31/99	9,893



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### Test Report

POWER/HELP/JAPANESE/DSXGEX.HLP		08/31/99	8,747
POWER/HELP/SPANISH/DSXGEX.HLP		08/31/99	9,874
POWER/NLDS1S.INF		08/31/99	39,679

### Driver Verifier Testing for Windows 2000

**Do Not run Driver Verification if your drivers are included in the operating system.**

The Test Suite now incorporates the Driver Verifier tool. Please review the **NT Debugging Overview.doc** and **Help\_Kernel.chm** (included in the download containing this Test Procedures document) and the **Driver Verifier.Ink** (included with the Test Suite) before you install the Test Suite. It is required that your Test system have at least **256 MB RAM** (512 is strongly advised) to effectively evaluate Driver Verifier testing.

#### **Overview:**

Step 1: You will need a clean Test system with no third-party drivers installed.

Step 2: Install your Test device and your Test device drivers.

**Warning:** Only install in-the-box drivers and your Device Driver. Do not install third-party drivers.

Step 3: Follow the directions in the Test Procedures section of this document to enable the Driver Verifier tool from the Test Suite. The Test system will automatically reboot.

**Warning:** The Test system will crash if Driver Verifier testing fails.

Step 4: Continue to run all tests.

Provide the following Kernel Special Pool information ONLY if your Test device uses **Vendor-supplied** drivers and calls the ExAllocatePoolWithTag API (please see your developer for more information). Using this API will enable you to better debug and eliminate Kernel Special Pool failures in your device driver.



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Driver Name	Function Name	Tag Name	Function Purpose



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#### PCI -Identification

Effective January 1, 1998, all PCI add-in adapters are required to use Subsystem VendorIDs, and the Reseller's VendorID must be used in the Subsystem VendorID register. For more information please see **Appendix A: PnP Resource Requirement Notes** on page **Error! Bookmark not defined..**

	VendorID	DeviceID	Subsystem VendorID (if applicable)	Subsystem ID (if applicable)
ID:	1073	0010	1073	0010
Requirement:	PCI 2.1	PCI 2.1	PC 99	PC 99

#### Device Nodes




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### Test Summary

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**Master ID:** 19832  
**Submission ID:** 105435-105454  
**Device name:** YAMAHA DS-1S  
PCI Sound Card  
**Product Announced:**   
**Test Lead:** MSKK  
**Test Technician:** I-takani  
**Reviewer:** hiroi  
**Test Start Date:** 09/16/1999  
**Test Complete Date:** 09/17/1999  
**Test Results:** Logo  
**Test Notes:**

**Summary:**

**Windows95: LOGO**

**Windows 98SE(VxD): LOGO**

**Windows 98SE(WDM): LOGO**

**Windows NT4.0: LOGO**

**Notes:**

**Windows95: Unreported I/O Test is failed.**

**Due to other peripheral device**

**Windows 98SE(WDM): Unreported Memory Test is failed.**

**Due to other peripheral device.**

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