



PC 98 AUDIO
Windows Operating Systems
Test Report

Contact Information

Company

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**THIS IS A MANDATORY SECTION -- ALL FIELDS MUST BE COMPLETED.
IF NOT APPLICABLE INDICATE N/A**

Device Information

OEM Product, Reference Design

This box must be checked by chipset manufacturers ONLY if the submission complies with one of the following criteria:

- Test Submission is a Reference Design to be resold to the OEM/IHV community.
- Test 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 at WHQL. You are required to include a .DOC file with a "List of Driver version changes." WHQL needs to 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.

Product Name: YAMAHA DS-1S PCI Sound Card As it will appear on the HCL*.

Announce Date: Dec. 1, 1998 When the product will be officially announced.

Retest _____ Master ID of previously failed submission.
 Hardware already at WHQL.

PC 98 Driver update _____ Master ID of previously logo'd PC 98 submission.
 Windows 95 update.
 Windows 98 update.
 Windows NT 4.0 update.
 Windows NT 5.0 update.

Device Category

Card
 PCI
 ISA

System
 Desktop
 Laptop or Notebook
 Closed System
 Docking Station
 ISA Expansion Slots



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BUS Interface:	<u>PCI</u>	Select PCI, USB, P1394, ISA, or Other. Enter other interface here:
Product Model Number:	<u>Proto-1</u>	
Firmware Revision Number:	<u>N/A</u>	
CODEC Chipset Number:	<u>YMF744, AD1819</u>	
Wavetable ROM Size:	<u>N/A</u>	Size of the Wavetable sample ROM.
Sample RAM Size:	<u>2M Byte</u>	Size of RAM for downloadable soft samples.
MIDI Support:	<u>Other</u>	Indicate if Wavetable supports GM, GS, DLS, a combination, or other.
CD-ROM / IDE Interface Supported:	<input type="checkbox"/>	If selected, indicate interface type (ATAPI, Panasonic, etc.):
3D Sound Hardware Support:	<input type="checkbox"/>	If selected, indicate type of 3D chipset:
Special Equipment:	<u>none</u>	External Volume box, etc.
Other Functions	<u>Gameport</u>	Display, tuner, modem, game port, etc.

*Access the HCL at <http://www.microsoft.com/hwtest/>

Device Driver Information

Operating System

Operating System: **Windows 95, 98, NT4.0, 2000.**

DirectX Driver Supported: Other Show the level of **DirectX** support.

Driver Set Version: Win9x-4.06.1026;
NT4.0-4.00.1020;
Win2000-4.10.2500 List your in-house driver set version number or identification number.

Driver shipped with Windows or DirectX?: Was this driver revision included in any retail release of **Microsoft Windows** or **DirectX**?

Protected Mode Drivers (Including Support Files)

Filename	Version	Date	File Size
Win9x			
AUDIO3D.DLL	4.5.0.1001	7/17/98	494,080
CRLDS3D.VXD	4.5.0.1001	7/17/98	411,005
DS1.CNT	N/A	10/28/98	835
DS1.CPL	4.6.0.1026	12/3/98	269,824
DS1.HLP	N/A	10/28/98	13,934
DSPOWEXT.DLL	4.6.0.1026	12/3/98	165,888
DSPOWEXT.HLP	N/A	12/4/98	9,065
VSVL.VXD	4.0.0.1009	7/24/98	890,471
ydsdev.cat	N/A	9/16/98	7,915
YDSL.G.DRV	4.0.0.1020	12/3/98	47,520
YDSL.G.VXD	4.0.0.1020	12/3/98	35,603
YDSXG.DAT	N/A	4/3/98	2,417,445
YDSXG.DRV	4.6.0.1026	12/3/98	126,144
YDSXG.VXD	4.6.0.1026	2/1/99	958,542
Ydsxg10.inf	N/A	1/21/99	10,866
English			
Help1			
DS1.CNT	N/A	10/28/98	967
DS1.HLP	N/A	10/28/98	15,194
Help2			



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DS1.CNT	N/A	10/28/98	844
DS1.HLP	N/A	10/28/98	14,371
French			
Help1			
ds1.cnt	N/A	10/28/98	1,041
DS1.HLP	N/A	10/28/98	16,114
Help2			
ds1.cnt	N/A	10/28/98	907
DS1.HLP	N/A	10/28/98	15,136
German			
Help1			
ds1.cnt	N/A	10/28/98	1,053
DS1.HLP	N/A	10/28/98	16,632
Help2			
ds1.cnt	N/A	10/28/98	918
DS1.HLP	N/A	10/28/98	15,617
Italian			
Help1			
ds1.cnt	N/A	10/28/98	1,042
DS1.HLP	N/A	10/28/98	16,531
Help2			
ds1.cnt	N/A	10/28/98	914
DS1.HLP	N/A	10/28/98	15,587
Japanese			
Help1			
ds1.cnt	N/A	10/28/98	1,140
DS1.HLP	N/A	10/28/98	16,317
Help2			
ds1.cnt	N/A	10/28/98	968
DS1.HLP	N/A	10/28/98	15,121
Korean			
Help1			



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DS1.CNT	N/A	10/28/98	941
DS1.HLP	N/A	10/28/98	14,299
Help2			
DS1.CNT	N/A	10/28/98	828
DS1.HLP	N/A	10/28/98	13,560
Portugues			
Help1			
DS1.CNT	N/A	10/28/98	1,092
DS1.HLP	N/A	10/28/98	16,240
Help2			
DS1.CNT	N/A	10/28/98	959
DS1.HLP	N/A	10/28/98	15,339
Schinese			
Help1			
DS1.CNT	N/A	10/28/98	987
DS1.HLP	N/A	10/28/98	12,710
Help2			
DS1.CNT	N/A	10/28/98	835
DS1.HLP	N/A	10/28/98	12,061
Spanish			
Help1			
ds1.cnt	N/A	10/28/98	1,178
DS1.HLP	N/A	10/28/98	16,944
Help2			
ds1.cnt	N/A	10/28/98	1,040
DS1.HLP	N/A	10/28/98	15,936
Tchinese			
Help1			
DS1.CNT	N/A	10/28/98	845
DS1.HLP	N/A	10/28/98	12,408
Help2			
DS1.CNT	N/A	10/28/98	734

DS1.HLP	N/A	10/28/98	11,799
Thai			
Help1			
DS1.CNT	N/A	10/28/98	1,143
DS1.HLP	N/A	10/28/98	15,179
Help2			
DS1.CNT	N/A	10/28/98	998
DS1.HLP	N/A	10/28/98	14,309
INF			
cust_a			
ydsxg04.inf	N/A	1/21/99	9,667
cust_f			
ydsxg10.inf (744_1)	N/A	1/21/99	10,365
ydsxg10.inf (744_2)	N/A	1/21/99	9,488
ydsxg10.inf (744_3)	N/A	1/21/99	10,305
ydsxg10.inf (744_4)	N/A	1/21/99	9,428
cust_p			
YDSXG10.INF (applet)	N/A	1/21/99	11,866
YDSXG10.INF (noapplet)	N/A	1/21/99	10,933
cust_s			
YDSXG04.INF (Ir)	N/A	1/21/99	10,650
YDSXG04.INF (Sha/nolegacy)	N/A	1/21/99	10,539
YDSXG04.INF (Sha/standard)	N/A	1/21/99	10,507
POWERHLP			
English			
DSPOWEXT.HLP	N/A	11/26/98	9,771
Japanese			
DSPOWEXT.HLP	N/A	12/4/98	9,065
NT 4.0			



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DS1.CPL	4.0.0.1020	1/6/99	280,576
OEMSETUP.INF	N/A	12/18/98	3,169
YDSXG.DAT	N/A	4/3/98	2,417,445
YDSXG.SYS	4.0.0.1020	1/11/99	933,120
YDSXG32.DLL	4.0.0.1020	1/11/99	193,536
Brazil			
DS1.CNT	N/A	10/2/98	320
DS1.HLP	N/A	12/21/98	9,019
DSPOWEXT.CNT	N/A	12/7/98	83
DSPOWEXT.HLP	N/A	12/25/98	9,593
MIDIMAP.CFG	N/A	10/3/98	42,250
English			
DS1.CNT	N/A	4/3/98	300
DS1.HLP	N/A	12/21/98	8,839
DSPOWEXT.CNT	N/A	12/7/98	83
DSPOWEXT.HLP	N/A	12/25/98	9,593
MIDIMAP.CFG	N/A	4/24/98	42,250
French			
DS1.CNT	N/A	4/10/98	313
DS1.HLP	N/A	12/21/98	8,896
DSPOWEXT.CNT	N/A	12/7/98	83
DSPOWEXT.HLP	N/A	12/25/98	9,593
MIDIMAP.CFG	N/A	5/19/98	42,250
German			
DS1.CNT	N/A	4/10/98	309
DS1.HLP	N/A	12/21/98	8,774
DSPOWEXT.CNT	N/A	12/7/98	83
DSPOWEXT.HLP	N/A	12/25/98	9,593
MIDIMAP.CFG	N/A	5/19/98	42,250
Italian			
DS1.CNT	N/A	4/10/98	323
DS1.HLP	N/A	12/21/98	8,933



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DSPOWEXT.CNT	N/A	12/7/98	83
DSPOWEXT.HLP	N/A	12/25/98	9,593
MIDIMAP.CFG	N/A	5/19/98	42,250
Japanese			
DS1.CNT	N/A	4/10/98	376
DS1.HLP	N/A	12/21/98	9,397
DSPOWEXT.CNT	N/A	12/7/98	83
DSPOWEXT.HLP	N/A	12/25/98	8,953
MIDIMAP.CFG	N/A	5/19/98	42,250
Korean			
DS1.CNT	N/A	10/23/98	267
DS1.HLP	N/A	12/21/98	8,432
DSPOWEXT.CNT	N/A	12/7/98	83
DSPOWEXT.HLP	N/A	12/25/98	9,593
MIDIMAP.CFG	N/A	10/1/98	42,250
S_China			
DS1.CNT	N/A	4/2/98	262
DS1.HLP	N/A	12/21/98	8,387
DSPOWEXT.CNT	N/A	12/7/98	83
DSPOWEXT.HLP	N/A	12/25/98	9,593
Spanish			
DS1.CNT	N/A	4/10/98	343
DS1.HLP	N/A	12/21/98	8,919
DSPOWEXT.CNT	N/A	12/7/98	83
DSPOWEXT.HLP	N/A	12/25/98	9,593
MIDIMAP.CFG	N/A	5/19/98	42,250
T_China			
DS1.CNT	N/A	12/7/98	252
DS1.HLP	N/A	12/21/98	8,061
DSPOWEXT.CNT	N/A	12/7/98	83
DSPOWEXT.HLP	N/A	12/25/98	9,593
MIDIMAP.CFG	N/A	10/1/98	42,250



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Thai			
DS1.CNT	N/A	10/23/98	319
DS1.HLP	N/A	12/21/98	8,622
DSPOWEXT.CNT	N/A	12/7/98	83
DSPOWEXT.HLP	N/A	12/25/98	9,593
Win 2000			
DS1.SYS	4.10.0.2500	11/26/98	251,244
NLDS1.INF	N/A	12/15/98	17,535
nlds1.cat	N/A	10/23/98	6,317



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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	0006
Requirement:	PCI 2.1	PCI 2.1	PC 98	PC 98

Device Nodes

Master ID: 12208
Submission ID: 50495-50532
Device name: YAMAHA DS-1S
PCI Sound Card
Product Announced:
Test Lead: skovacs
Test Technician: a-kvilla
Reviewer: a-gcano
Test Start Date: 02/19/1999
Test Complete Date: 02/22/1999
Test Results: Logo
Test Notes:

Summary:

Windows 95, 98: Logo
Windows NT 4.0: Logo
Windows 2000: Development

Note(s):

The following failures are excerpts from the tested cabs at WHQL. These failed test cases are not required to pass at this time, but will be required to pass when Windows 2000 requirements has been finalized. A development status will be given for this Windows 2000 submission. The following failures are noted for your information.

Windows 2000

1. Wave Driver Test (NT)

End Case: ID 9:12 : FAIL : Automatic Tests\Playback Tests\waveOutRestart : [Mon Feb 22 10:10:50 1999]

PCM 44.100 kHz, 16 Bit, Mono:

**** Calling waveOutGetDevCaps ****

WAVEOUTCAPS Structure:

TESTCASE: Verifying waveOutRestart before waveOutPrepareHeader works.

FAIL: Device did not restart within allowed time after waveOutRestart.

TESTCASE: Verifying waveOutRestart before waveOutWrite works.

FAIL: Device did not restart within allowed time after waveOutRestart.

End Case: ID 9:35.2 : FAIL : Automatic Tests\Device Performance Tests\waveOut Sampling Rate drift : [Mon Feb 22 10:15:30 1999]

PCM 44.100 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 987, Expected: 394836, Cur pos: 395136, Delta: 299 samples
Fail: API Call# 1077, Expected: 431527, Cur pos: 431739, Delta: 211 samples
Fail: API Call# 1263, Expected: 505657, Cur pos: 505467, Delta: -190 samples
Number of failures: 13

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 978, Expected: 789937, Cur pos: 790272, Delta: 334 bytes
Fail: API Call# 1069, Expected: 862524, Cur pos: 863478, Delta: 953 bytes
Fail: API Call# 1070, Expected: 863318, Cur pos: 863478, Delta: 159 bytes
Number of failures: 15

PCM 44.100 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 1104, Expected: 440459, Cur pos: 441000, Delta: 540 samples
Number of failures: 1

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 1101, Expected: 881181, Cur pos: 882000, Delta: 818 bytes
Number of failures: 1

PCM 22.050 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 277, Expected: 55477, Cur pos: 55786, Delta: 308 samples
Fail: API Call# 278, Expected: 55675, Cur pos: 55786, Delta: 110 samples
Number of failures: 2

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 279, Expected: 111085, Cur pos: 111572, Delta: 486 bytes
Number of failures: 1

PCM 22.050 kHz, 8 Bit, Mono:



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TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 135, Expected: 27001, Cur pos: 27342, Delta: 340 samples
Fail: API Call# 567, Expected: 113720, Cur pos: 114219, Delta: 498 samples
Fail: API Call# 568, Expected: 113919, Cur pos: 114219, Delta: 299 samples
Number of failures: 5

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 136, Expected: 27067, Cur pos: 27342, Delta: 274 bytes
Fail: API Call# 569, Expected: 113786, Cur pos: 114219, Delta: 432 bytes
Fail: API Call# 570, Expected: 113984, Cur pos: 114219, Delta: 234 bytes
Number of failures: 5

PCM 11.025 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 1049, Expected: 104723, Cur pos: 104958, Delta: 234 samples
Fail: API Call# 1050, Expected: 104822, Cur pos: 104958, Delta: 135 samples
Fail: API Call# 1051, Expected: 104922, Cur pos: 104958, Delta: 35 samples
Number of failures: 3

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 1051, Expected: 419422, Cur pos: 419832, Delta: 409 bytes
Number of failures: 1

PCM 11.025 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 1115, Expected: 111233, Cur pos: 111352, Delta: 118 samples
Fail: API Call# 1116, Expected: 111332, Cur pos: 111352, Delta: 19 samples
Number of failures: 2

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 1113, Expected: 222532, Cur pos: 222704, Delta: 171 bytes



Number of failures: 1

PCM 11.025 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 364, Expected: 36205, Cur pos: 36272, Delta: 66 samples

Number of failures: 1

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 362, Expected: 72278, Cur pos: 72544, Delta: 265 bytes

Fail: API Call# 583, Expected: 116310, Cur pos: 116238, Delta: -72 bytes

Fail: API Call# 723, Expected: 144180, Cur pos: 144108, Delta: -72 bytes

Number of failures: 3

PCM 11.025 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 1043, Expected: 104350, Cur pos: 104517, Delta: 166 samples

Fail: API Call# 1044, Expected: 104450, Cur pos: 104517, Delta: 66 samples

Number of failures: 2

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 1047, Expected: 104383, Cur pos: 104517, Delta: 133 bytes

Number of failures: 1

PCM 8.000 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 951, Expected: 68851, Cur pos: 68960, Delta: 108 samples

Fail: API Call# 952, Expected: 68923, Cur pos: 68960, Delta: 36 samples

Number of failures: 2

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 950, Expected: 275501, Cur pos: 275840, Delta: 338 bytes

Number of failures: 1

PCM 8.000 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 922, Expected: 68007, Cur pos: 67967, Delta: -40 samples
Fail: API Call# 1002, Expected: 73814, Cur pos: 73771, Delta: -43 samples
Fail: API Call# 1096, Expected: 80678, Cur pos: 80639, Delta: -39 samples
Number of failures: 3

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 458, Expected: 66945, Cur pos: 67040, Delta: 94 bytes
Number of failures: 1

End Case: ID 9:36.2 : FAIL : Automatic Tests\Device Performance Tests\waveIn Sampling Rate drift : [Mon Feb 22 10:17:13 1999]
PCM 44.100 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 1, Expected: 3664, Cur pos: 166, Delta: -3498 samples.
WARNING: Drifting (Call# 116), Expected: 71231, Cur pos: 71274, Delta: 42 samples.
Number of warnings: 1
Number of failures: 1

TESTCASE: Evaluating drift for TIME_BYTES....
WARNING: Drifting (Call# 115), Expected: 288678, Cur pos: 288840, Delta: 161 bytes.
Number of warnings: 1

PCM 44.100 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 103, Cur pos: 182, Delta: 78 samples.
Number of failures: 1

PCM 44.100 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 53, Cur pos: 116, Delta: 62 samples.

Number of failures: 1

PCM 44.100 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 14, Cur pos: 232, Delta: 217 samples.

Number of failures: 1

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 145, Cur pos: 232, Delta: 86 bytes

Number of failures: 1

PCM 22.050 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 104, Delta: 104 samples.

Number of failures: 1

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 184, Cur pos: 416, Delta: 231 bytes

Fail: API Call# 242, Expected: 192374, Cur pos: 192136, Delta: -238 bytes

Number of failures: 2

PCM 22.050 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 100, Delta: 100 samples.

Number of failures: 1

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 99, Cur pos: 200, Delta: 100 bytes

Number of failures: 1

PCM 22.050 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 45, Cur pos: 76, Delta: 30 samples.

Number of failures: 1

PCM 22.050 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 40, Cur pos: 64, Delta: 23 samples.
Number of failures: 1

PCM 11.025 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 52, Delta: 52 samples.
Number of failures: 1

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 56, Cur pos: 104, Delta: 47 bytes
Number of failures: 1

PCM 11.025 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 56, Delta: 55 samples.
Number of failures: 1

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 67, Cur pos: 112, Delta: 44 bytes
Number of failures: 1

PCM 11.025 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 9, Cur pos: 56, Delta: 46 samples.
Number of failures: 1

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 42, Cur pos: 56, Delta: 13 bytes
Number of failures: 1

PCM 8.000 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 26, Cur pos: 36, Delta: 9 samples.
Number of failures: 1

PCM 8.000 kHz, 16 Bit, Mono:

Fail: API Call# 2, Expected: 10, Cur pos: 26, Delta: 15 samples.
Number of failures: 1

PCM 8.000 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES...
Fail: API Call# 2, Expected: 13, Cur pos: 24, Delta: 10 samples.
Number of failures: 1

PCM 8.000 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES...
Fail: API Call# 2, Expected: 6, Cur pos: 20, Delta: 13 samples.
Number of failures: 1

End Case: ID 9:41 : FAIL : Automatic Tests\Event Callback Tests\waveIn Callback Event : [Mon Feb 22 10:17:17 1999]

- PCM 44.100 kHz, 8, 16 Bit, Stereo, Mono:**
- PCM 22.050 kHz, 8, 16 Bit, Stereo, Mono:**
- PCM 11.025 kHz, 8, 16 Bit, Stereo, Mono:**
- PCM 8.000 kHz, 8, 16 Bit, Stereo, Mono:**

FAIL: callback event was signaled before buffer completion.

End Case: ID 9:42 : FAIL : Automatic Tests\Event Callback Tests\waveOut Callback Event : [Mon Feb 22 10:17:32 1999]

- PCM 44.100 kHz, 16 Bit, Stereo:**
- PCM 44.100 kHz, 8 Bit, Mono:**
- PCM 22.050 kHz, 16 Bit, Stereo, Mono:**
- PCM 11.025 kHz, 16 Bit, Mono:**
- PCM 8.000 kHz, 8, 16 Bit, Stereo, Mono:**

FAIL: callback event was signaled before buffer completion.

PCM 44.100 kHz, 16 Bit, Mono:

WARNING: Latency from buffer completion to event callback [25 ms] exceeded goal [20 ms].

PCM 44.100 kHz, 8 Bit, Stereo:

FAIL: Latency from buffer completion to event callback [67 ms] exceeded limit [50 ms].

WARNING: Latency from buffer completion to event callback [21 ms] exceeded goal [20 ms].

PCM 22.050 kHz, 8 Bit, Stereo:

WARNING: Latency from buffer completion to event callback [33 ms]
exceeded goal [20 ms].
FAIL: callback event was signaled before buffer completion.

PCM 22.050 kHz, 8 Bit, Mono:

WARNING: Latency from buffer completion to event callback [33 ms]
exceeded goal [20 ms].
WARNING: Latency from buffer completion to event callback [48 ms]
exceeded goal [20 ms].
WARNING: Latency from buffer completion to event callback [38 ms]
exceeded goal [20 ms].

PCM 11.025 kHz, 16 Bit, Stereo:

WARNING: Latency from buffer completion to event callback [37 ms]
exceeded goal [20 ms].
FAIL: callback event was signaled before buffer completion.
FAIL: Latency from buffer completion to event callback [67 ms] exceeded
limit [50 ms].

PCM 11.025 kHz, 8 Bit, Stereo:

WARNING: Latency from buffer completion to event callback [38 ms]
exceeded goal [20 ms].
FAIL: callback event was signaled before buffer completion.

PCM 11.025 kHz, 8 Bit, Mono:

WARNING: Latency from buffer completion to event callback [43 ms]
exceeded goal [20 ms].

2. **MIDI Driver Test (NT)**

**End Case: ID 12:51 : FAIL : Open Max Devices tests\Open Maximum
possible instances of an input device : [Sat Feb 20 14:14:56 1999]**

*** midiInOpen call ***

LPHMIDIIN lphMidiln: 0x00099438

UINT uDeviceId: 998

DWORD dwCallback: 0x01012263

DWORD dwCallbackInstance: 0x00098958

DWORD dwFlags: 0x00030000

CALLBACK_FUNCTION (0x00030000)

MMSYSERR_BADDEVICEID: A device ID has been used that is out of
range for your system.

Open API returned unexpected error 0x2 ###
Expected Value for error is 0x4 (MMSYSERR_ALLOCATED)

*** midiInOpen call ***
LPHMIDIIN lphMidiIn: 0x00099438
UINT uDeviceId: 998
DWORD dwCallback: 0x01012263
DWORD dwCallbackInstance: 0x00098958
DWORD dwFlags: 0x00030000
CALLBACK_FUNCTION (0x00030000)
MMSYSERR_BADDEVICEID: A device ID has been used that is out of range for your system.
Closing handles...
Messages Received:
OPEN Callback Messages: 0
CLOSE Callback Messages: 0
Other Callback Messages: 0
The number of CLOSE or OPEN messages is wrong

End Case: ID 12:53 : FAIL : Open Max Devices tests\Open all available devices : [Mon Feb 22 14:18:16 1999]

*** midiOutGetNumDevs call ***
Number of MIDI Output Devices: 1
Could not allocate 0 bytes using LocalAlloc

3. **Mixer Driver Test (NT)**

End Case: ID 8:6 : FAIL : Automatic Tests\Mixer Open\mixerOpen() - control change callback : [Mon Feb 22 14:19:10 1999]

ControlNumber = 0 (dwControlID = 0x00000001)
ControlNumber = 3 (dwControlID = 0x00000003)
ControlNumber = 5 (dwControlID = 0x00000005)
ControlNumber = 7 (dwControlID = 0x00000007)
ControlNumber = 9 (dwControlID = 0x00000009)
ControlNumber = 12 (dwControlID = 0x0000000C)
ControlNumber = 13 (dwControlID = 0x0000000D)
ControlNumber = 15 (dwControlID = 0x0000000F)
ControlNumber = 17 (dwControlID = 0x00000011)
ControlNumber = 19 (dwControlID = 0x00000013)
ControlNumber = 22 (dwControlID = 0x00000016)
ControlNumber = 24 (dwControlID = 0x00000018)
ControlNumber = 25 (dwControlID = 0x00000019)
ControlNumber = 26 (dwControlID = 0x0000001A)
ControlNumber = 27 (dwControlID = 0x0000001B)
ControlNumber = 28 (dwControlID = 0x0000001C)

ControlNumber = 29 (dwControlID = 0x0000001D)
ControlNumber = 31 (dwControlID = 0x0000001F)
Calling mixerSetControlDetails
FAIL: Did not receive the correct callback for this control.

Calling mixerSetControlDetails
FAIL: No callbacks were received.

4. Unreported Memory (NT)

----- Start of test -----

0 : Address = 0x000c8000 Data = 0xe924aa55 Expected = 0xffffffff
1 : Address = 0x000c8400 Data = 0x5e8bf4eb Expected = 0xffffffff
2 : Address = 0x000c8800 Data = 0x5e8bc877 Expected = 0xffffffff
3 : Address = 0x000c8c00 Data = 0x6e8800d1 Expected = 0xffffffff
4 : Address = 0x000c9000 Data = 0x04c483ef Expected = 0xffffffff
5 : Address = 0x000c9400 Data = 0x56227504 Expected = 0xffffffff
6 : Address = 0x000c9800 Data = 0x561e0d75 Expected = 0xffffffff
7 : Address = 0x000c9c00 Data = 0x001a04c7 Expected = 0xffffffff
8 : Address = 0x000ca000 Data = 0xc3000070 Expected = 0xffffffff
9 : Address = 0x000ca400 Data = 0x4f8a2606 Expected = 0xffffffff
10 : Address = 0x000ca800 Data = 0x8b047e8b Expected = 0xffffffff
11 : Address = 0x000cac00 Data = 0x2606468e Expected = 0xffffffff
12 : Address = 0x000cb000 Data = 0x04768b08 Expected = 0xffffffff
13 : Address = 0x000cb400 Data = 0x4688ec08 Expected = 0xffffffff
14 : Address = 0x000cb800 Data = 0x0c548d15 Expected = 0xffffffff
15 : Address = 0x000cbc00 Data = 0xc483d3f2 Expected = 0xffffffff
16 : Address = 0x000cc000 Data = 0x8eee009a Expected = 0xffffffff
17 : Address = 0x000cc400 Data = 0x43455445 Expected = 0xffffffff
18 : Address = 0x000cc800 Data = 0xcdcdcdcd Expected = 0xffffffff
19 : Address = 0x000ccc00 Data = 0x848b266e Expected = 0xffffffff
20 : Address = 0x000cd000 Data = 0x832e2245 Expected = 0xffffffff
21 : Address = 0x000cd400 Data = 0xe336892e Expected = 0xffffffff
22 : Address = 0x000cd800 Data = 0xeb20ee83 Expected = 0xffffffff
23 : Address = 0x000cdc00 Data = 0xac2ae849 Expected = 0xffffffff
24 : Address = 0x000ce000 Data = 0x006a0004 Expected = 0xffffffff
25 : Address = 0x000ce400 Data = 0xb90007b8 Expected = 0xffffffff
26 : Address = 0x000ce800 Data = 0x8308d716 Expected = 0xffffffff
27 : Address = 0x000cec00 Data = 0xf57420a8 Expected = 0xffffffff
28 : Address = 0x000cf000 Data = 0x06ff4e80 Expected = 0xffffffff
29 : Address = 0x000cf400 Data = 0x179c6500 Expected = 0xffffffff
30 : Address = 0x000cf800 Data = 0x026d6cff Expected = 0xffffffff
31 : Address = 0x000cfc00 Data = 0xb0cef86a Expected = 0xffffffff

----- End of test -----

32 : MemStomp test failed

Warning(s):

These failures will not keep the submissions from receiving the logo at this time but it will be expected to pass these failed cases the next time this device is submitted for WHQL Logo. The submitted Logs to WHQL states that the tests passed, but upon testing at WHQL, these tests failed. The following failures are as follows:

Windows 95, 98

1. Wave Driver Test

End Case: ID 9:27 : FAIL : Automatic Tests\waveOutWrite Tests\waveOutWrite small buffers : [Sat Feb 20 15:10:15 1999]

PCM 44,100 Hz, 8 Bit, Mono:

PCM 22,050 Hz, 8 Bit, Mono:

PCM 11,025 Hz, 8 Bit, Mono:

PCM 8,000 Hz, 8 Bit, Mono:

Fail: waveOutPrepareHeader returned MMSYSERR_NOMEM for buffer #32 of 32.

End Case: ID 9:41 : FAIL : Automatic Tests\Event Callback Tests\waveIn Callback Event : [Sat Feb 20 15:04:06 1999]

PCM 44,100 Hz, 8, 16 Bit, Stereo, Mono:

PCM 22,050 Hz, 8, 16 Bit, Stereo, Mono:

PCM 11,025 Hz, 8, 16 Bit, Stereo, Mono:

PCM 8,000 Hz, 8, 16 Bit, Stereo, Mono:

FAIL: callback event was signaled before buffer completion.

2. Dynamic Configuration Test

ERROR: While attempting to Disable this device: YAMAHA DS-XG GamePort

The device reported an error:CR_INVALID_DEVNODE

Problem Code is : No Problem

Device Failed Disable Call

Error: Skipping Devnode, could not test

ERROR: While attempting to Disable this device: YAMAHA DS-XG Legacy Sound System

The device reported an error:CR_INVALID_DEVNODE

Problem Code is : No Problem

Device Failed Disable Call

Error: Skipping Devnode, could not test

3. **4.6.1 Shut Down Windows** - While playing a sound in Dsound Streaming test, Windows did not shut down normally but rebooted instead. Windows must be able to shut down properly while playing a wave file in the Dsound Streaming Test.

Windows NT4.0

4. **Wave Driver Test (Interactive)**

End Case: ID 9:35.2 : FAIL : Automatic Tests\Device Performance Tests\waveOut Sampling Rate drift : [Sat Feb 20 11:13:25 1999]

PCM 44.100 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 4, Expected: 1460, Cur pos: 1411, Delta: -49 samples

Fail: API Call# 7, Expected: 2651, Cur pos: 2587, Delta: -64 samples

Fail: API Call# 9, Expected: 3444, Cur pos: 3527, Delta: 82 samples

WARNING: Drifting (Call# 57), Expected: 22537, Cur pos: 22579, Delta: 41 samples.

WARNING: Drifting (Call# 80), Expected: 31708, Cur pos: 31753, Delta: 44 samples.

WARNING: Drifting (Call# 99), Expected: 39469, Cur pos: 39513, Delta: 43 samples.

Number of warnings: 41

Number of failures: 790

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 3182, Cur pos: 2820, Delta: -362 bytes

Fail: API Call# 5, Expected: 7944, Cur pos: 7524, Delta: -420 bytes

WARNING: Drifting (Call# 7), Expected: 11119, Cur pos: 11288, Delta: 168 bytes.

Fail: API Call# 8, Expected: 12706, Cur pos: 12228, Delta: -478 bytes

WARNING: Drifting (Call# 23), Expected: 36517, Cur pos: 36688, Delta: 170 bytes.

WARNING: Drifting (Call# 46), Expected: 73204, Cur pos: 73380, Delta: 175 bytes.

Number of warnings: 50

Number of failures: 794

PCM 44.100 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 863, Cur pos: 940, Delta: 76 samples

Fail: API Call# 6, Expected: 2451, Cur pos: 2351, Delta: -100

samples
Fail: API Call# 8, Expected: 3244, Cur pos: 3292, Delta: 47
samples
WARNING: Drifting (Call# 167), Expected: 67225, Cur pos: 67267,
Delta: 41 samples.
WARNING: Drifting (Call# 183), Expected: 73574, Cur pos: 73617,
Delta: 42 samples.
WARNING: Drifting (Call# 190), Expected: 76396, Cur pos: 76439,
Delta: 42 samples.
Number of warnings: 39
Number of failures: 787

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 2, Expected: 1985, Cur pos: 1880, Delta: -105 bytes
Fail: API Call# 5, Expected: 4366, Cur pos: 4236, Delta: -130 bytes
Fail: API Call# 7, Expected: 5954, Cur pos: 6114, Delta: 159 bytes
WARNING: Drifting (Call# 107), Expected: 86470, Cur pos: 86552,
Delta: 81 bytes.
WARNING: Drifting (Call# 130), Expected: 104814, Cur pos: 104898,
Delta: 83 bytes.
WARNING: Drifting (Call# 146), Expected: 117513, Cur pos: 117598,
Delta: 84 bytes.
Number of warnings: 42
Number of failures: 794

PCM 44.100 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 652, Cur pos: 705, Delta: 52 samples
Fail: API Call# 7, Expected: 2636, Cur pos: 2587, Delta: -49
samples
Fail: API Call# 9, Expected: 3430, Cur pos: 3527, Delta: 96
samples
WARNING: Drifting (Call# 83), Expected: 32885, Cur pos: 32927,
Delta: 41 samples.
WARNING: Drifting (Call# 96), Expected: 38529, Cur pos: 38572,
Delta: 42 samples.
WARNING: Drifting (Call# 112), Expected: 44879, Cur pos: 44923,
Delta: 43 samples.
Number of warnings: 35
Number of failures: 790

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 2, Expected: 1567, Cur pos: 1410, Delta: -157 bytes
Fail: API Call# 5, Expected: 3949, Cur pos: 3762, Delta: -187 bytes
Fail: API Call# 7, Expected: 5536, Cur pos: 5644, Delta: 107 bytes

WARNING: Drifting (Call# 33), Expected: 26260, Cur pos: 26342,
Delta: 81 bytes.
WARNING: Drifting (Call# 49), Expected: 38959, Cur pos: 39042,
Delta: 82 bytes.
WARNING: Drifting (Call# 72), Expected: 57303, Cur pos: 57388,
Delta: 84 bytes.
Number of warnings: 48
Number of failures: 793

PCM 44.100 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 639, Cur pos: 705, Delta: 65 samples
Fail: API Call# 6, Expected: 2226, Cur pos: 2351, Delta: 124
samples
Fail: API Call# 9, Expected: 3417, Cur pos: 3527, Delta: 109
samples
WARNING: Drifting (Call# 122), Expected: 48879, Cur pos: 48921,
Delta: 41 samples.
WARNING: Drifting (Call# 138), Expected: 55228, Cur pos: 55271,
Delta: 42 samples.
WARNING: Drifting (Call# 150), Expected: 60255, Cur pos: 60211,
Delta: -44 samples.
Number of warnings: 42
Number of failures: 789

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 2, Expected: 770, Cur pos: 705, Delta: -65 bytes
Fail: API Call# 5, Expected: 1960, Cur pos: 1881, Delta: -79 bytes
Fail: API Call# 7, Expected: 2754, Cur pos: 2822, Delta: 67 bytes
WARNING: Drifting (Call# 88), Expected: 35472, Cur pos: 35515,
Delta: 42 bytes.
WARNING: Drifting (Call# 104), Expected: 41822, Cur pos: 41865,
Delta: 42 bytes.
WARNING: Drifting (Call# 127), Expected: 50994, Cur pos: 51038,
Delta: 43 bytes.
Number of warnings: 37
Number of failures: 795

PCM 22.050 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
WARNING: Drifting (Call# 2), Expected: 329, Cur pos: 352, Delta:
22 samples.
WARNING: Drifting (Call# 4), Expected: 726, Cur pos: 705, Delta:
-21 samples.

Fail: API Call# 7, Expected: 1321, Cur pos: 1293, Delta: -28 samples
Fail: API Call# 9, Expected: 1718, Cur pos: 1763, Delta: 44 samples
Fail: API Call# 10, Expected: 1917, Cur pos: 1881, Delta: -36 samples
WARNING: Drifting (Call# 18), Expected: 3504, Cur pos: 3527, Delta: 22 samples.
Number of warnings: 50
Number of failures: 773

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 1584, Cur pos: 1408, Delta: -176 bytes
Fail: API Call# 5, Expected: 3965, Cur pos: 3760, Delta: -205 bytes
Fail: API Call# 7, Expected: 5553, Cur pos: 5644, Delta: 90 bytes
WARNING: Drifting (Call# 9), Expected: 7140, Cur pos: 7052, Delta: -88 bytes.
WARNING: Drifting (Call# 25), Expected: 19839, Cur pos: 19756, Delta: -83 bytes.
WARNING: Drifting (Call# 32), Expected: 25484, Cur pos: 25400, Delta: -84 bytes.
Number of warnings: 47
Number of failures: 793

PCM 22.050 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 326, Cur pos: 352, Delta: 25 samples
Fail: API Call# 7, Expected: 1318, Cur pos: 1293, Delta: -25 samples
Fail: API Call# 9, Expected: 1715, Cur pos: 1763, Delta: 47 samples
WARNING: Drifting (Call# 98), Expected: 19617, Cur pos: 19639, Delta: 21 samples.
WARNING: Drifting (Call# 114), Expected: 22792, Cur pos: 22814, Delta: 21 samples.
WARNING: Drifting (Call# 116), Expected: 23189, Cur pos: 23167, Delta: -22 samples.
Number of warnings: 37
Number of failures: 786

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 784, Cur pos: 704, Delta: -80 bytes
Fail: API Call# 5, Expected: 1974, Cur pos: 1880, Delta: -94 bytes
Fail: API Call# 7, Expected: 2768, Cur pos: 2822, Delta: 53 bytes
WARNING: Drifting (Call# 80), Expected: 32179, Cur pos: 32222,

Delta: 42 bytes.
WARNING: Drifting (Call# 103), Expected: 41351, Cur pos: 41394,
Delta: 42 bytes.
WARNING: Drifting (Call# 119), Expected: 47700, Cur pos: 47744,
Delta: 43 bytes.
Number of warnings: 38
Number of failures: 790

PCM 22.050 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 315, Cur pos: 352, Delta: 36 samples
Fail: API Call# 6, Expected: 1109, Cur pos: 1175, Delta: 65
samples
WARNING: Drifting (Call# 8), Expected: 1506, Cur pos: 1528, Delta:
21 samples.
Fail: API Call# 9, Expected: 1704, Cur pos: 1763, Delta: 58
samples
WARNING: Drifting (Call# 15), Expected: 2917, Cur pos: 2939,
Delta: 21 samples.
WARNING: Drifting (Call# 17), Expected: 3314, Cur pos: 3292,
Delta: -22 samples.
Number of warnings: 39
Number of failures: 779

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 2, Expected: 767, Cur pos: 704, Delta: -63 bytes
Fail: API Call# 5, Expected: 1957, Cur pos: 1880, Delta: -77 bytes
Fail: API Call# 7, Expected: 2751, Cur pos: 2822, Delta: 70 bytes
WARNING: Drifting (Call# 20), Expected: 7954, Cur pos: 7996,
Delta: 41 bytes.
WARNING: Drifting (Call# 36), Expected: 14304, Cur pos: 14346,
Delta: 41 bytes.
WARNING: Drifting (Call# 59), Expected: 23475, Cur pos: 23518,
Delta: 42 bytes.
Number of warnings: 38
Number of failures: 799

PCM 22.050 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 312, Cur pos: 352, Delta: 39 samples
Fail: API Call# 6, Expected: 1106, Cur pos: 1175, Delta: 68
samples
Fail: API Call# 7, Expected: 1327, Cur pos: 1293, Delta: -34
samples

WARNING: Drifting (Call# 378), Expected: 75477, Cur pos: 75499,
Delta: 21 samples.
WARNING: Drifting (Call# 387), Expected: 77285, Cur pos: 77263,
Delta: -22 samples.
WARNING: Drifting (Call# 403), Expected: 80460, Cur pos: 80438,
Delta: -22 samples.
Number of warnings: 33
Number of failures: 786

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 2, Expected: 380, Cur pos: 352, Delta: -28 bytes
Fail: API Call# 5, Expected: 976, Cur pos: 940, Delta: -36 bytes
WARNING: Drifting (Call# 6), Expected: 1196, Cur pos: 1175, Delta:
-21 bytes.
Fail: API Call# 8, Expected: 1593, Cur pos: 1528, Delta: -65 bytes
WARNING: Drifting (Call# 266), Expected: 53252, Cur pos: 53274,
Delta: 21 bytes.
WARNING: Drifting (Call# 369), Expected: 73757, Cur pos: 73735,
Delta: -22 bytes.
Number of warnings: 35
Number of failures: 786

PCM 11.025 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
WARNING: Drifting (Call# 2), Expected: 164, Cur pos: 176, Delta:
11 samples.
WARNING: Drifting (Call# 4), Expected: 363, Cur pos: 352, Delta:
-11 samples.
Fail: API Call# 7, Expected: 661, Cur pos: 646, Delta: -15 samples
Fail: API Call# 9, Expected: 859, Cur pos: 881, Delta: 21 samples
Fail: API Call# 10, Expected: 958, Cur pos: 940, Delta: -18
samples
WARNING: Drifting (Call# 41), Expected: 4045, Cur pos: 4057,
Delta: 11 samples.
Number of warnings: 46
Number of failures: 756

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 2, Expected: 790, Cur pos: 704, Delta: -86 bytes
Fail: API Call# 5, Expected: 1981, Cur pos: 1880, Delta: -101 bytes
Fail: API Call# 7, Expected: 2774, Cur pos: 2820, Delta: 45 bytes
WARNING: Drifting (Call# 9), Expected: 3568, Cur pos: 3524, Delta:
-44 bytes.
WARNING: Drifting (Call# 25), Expected: 9918, Cur pos: 9876,
Delta: -42 bytes.

WARNING: Drifting (Call# 48), Expected: 19090, Cur pos: 19048,
Delta: -42 bytes.
Number of warnings: 35
Number of failures: 795

PCM 11.025 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES...
Fail: API Call# 2, Expected: 162, Cur pos: 176, Delta: 13 samples
Fail: API Call# 7, Expected: 658, Cur pos: 646, Delta: -12 samples
Fail: API Call# 9, Expected: 857, Cur pos: 881, Delta: 23 samples
WARNING: Drifting (Call# 21), Expected: 2047, Cur pos: 2059,
Delta: 11 samples.
WARNING: Drifting (Call# 52), Expected: 5244, Cur pos: 5233,
Delta: -11 samples.
WARNING: Drifting (Call# 75), Expected: 7537, Cur pos: 7526,
Delta: -11 samples.
Number of warnings: 53
Number of failures: 752

TESTCASE: Evaluating drift for TIME_BYTES...
Fail: API Call# 2, Expected: 389, Cur pos: 352, Delta: -37 bytes
Fail: API Call# 5, Expected: 984, Cur pos: 940, Delta: -44 bytes
Fail: API Call# 7, Expected: 1381, Cur pos: 1410, Delta: 28 bytes
WARNING: Drifting (Call# 25), Expected: 5196, Cur pos: 5174,
Delta: -22 bytes.
WARNING: Drifting (Call# 39), Expected: 7974, Cur pos: 7996,
Delta: 21 bytes.
WARNING: Drifting (Call# 62), Expected: 12560, Cur pos: 12582,
Delta: 21 bytes.
Number of warnings: 38
Number of failures: 785

PCM 11.025 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES...
Fail: API Call# 2, Expected: 157, Cur pos: 176, Delta: 18 samples
Fail: API Call# 6, Expected: 554, Cur pos: 587, Delta: 32 samples
Fail: API Call# 9, Expected: 852, Cur pos: 881, Delta: 28 samples
WARNING: Drifting (Call# 17), Expected: 1657, Cur pos: 1646,
Delta: -11 samples.
WARNING: Drifting (Call# 33), Expected: 3244, Cur pos: 3233,
Delta: -11 samples.
WARNING: Drifting (Call# 70), Expected: 6926, Cur pos: 6938,
Delta: 11 samples.



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Test Report

Number of warnings: 43
Number of failures: 758

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 381, Cur pos: 352, Delta: -29 bytes
Fail: API Call# 5, Expected: 977, Cur pos: 940, Delta: -37 bytes
Fail: API Call# 7, Expected: 1373, Cur pos: 1410, Delta: 36 bytes
WARNING: Drifting (Call# 20), Expected: 3975, Cur pos: 3998,
Delta: 22 bytes.
WARNING: Drifting (Call# 22), Expected: 4372, Cur pos: 4350,
Delta: -22 bytes.
WARNING: Drifting (Call# 36), Expected: 7150, Cur pos: 7172,
Delta: 21 bytes.

Number of warnings: 46
Number of failures: 784

PCM 11.025 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 159, Cur pos: 176, Delta: 16 samples
Fail: API Call# 6, Expected: 556, Cur pos: 587, Delta: 30 samples
Fail: API Call# 9, Expected: 854, Cur pos: 881, Delta: 26 samples
WARNING: Drifting (Call# 21), Expected: 2045, Cur pos: 2057,
Delta: 11 samples.
WARNING: Drifting (Call# 28), Expected: 2751, Cur pos: 2763,
Delta: 11 samples.
WARNING: Drifting (Call# 57), Expected: 5750, Cur pos: 5762,
Delta: 11 samples.

Number of warnings: 38
Number of failures: 862

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 192, Cur pos: 176, Delta: -16 bytes
Fail: API Call# 5, Expected: 489, Cur pos: 470, Delta: -19 bytes
Fail: API Call# 7, Expected: 688, Cur pos: 705, Delta: 16 bytes
WARNING: Drifting (Call# 85), Expected: 8572, Cur pos: 8584,
Delta: 11 bytes.
WARNING: Drifting (Call# 94), Expected: 9477, Cur pos: 9466,
Delta: -11 bytes.
WARNING: Drifting (Call# 110), Expected: 11065, Cur pos: 11054,
Delta: -11 bytes.

Number of warnings: 32
Number of failures: 875

PCM 8.000 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 115, Cur pos: 127, Delta: 11 samples
Fail: API Call# 6, Expected: 403, Cur pos: 426, Delta: 22 samples
Fail: API Call# 9, Expected: 707, Cur pos: 725, Delta: 17 samples
Number of failures: 735

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 558, Cur pos: 508, Delta: -50 bytes
Fail: API Call# 5, Expected: 1422, Cur pos: 1364, Delta: -58 bytes
Fail: API Call# 7, Expected: 1998, Cur pos: 2044, Delta: 45 bytes
WARNING: Drifting (Call# 179), Expected: 52361, Cur pos: 52392,
Delta: 30 bytes.
WARNING: Drifting (Call# 202), Expected: 59017, Cur pos: 59048,
Delta: 30 bytes.
WARNING: Drifting (Call# 218), Expected: 63624, Cur pos: 63656,
Delta: 31 bytes.
Number of warnings: 43
Number of failures: 786

PCM 8.000 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 113, Cur pos: 127, Delta: 13 samples
Fail: API Call# 6, Expected: 401, Cur pos: 426, Delta: 24 samples
Fail: API Call# 9, Expected: 617, Cur pos: 639, Delta: 21 samples
Number of failures: 762

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 273, Cur pos: 254, Delta: -19 bytes
Fail: API Call# 5, Expected: 705, Cur pos: 682, Delta: -23 bytes
Fail: API Call# 7, Expected: 993, Cur pos: 1022, Delta: 28 bytes
WARNING: Drifting (Call# 270), Expected: 39235, Cur pos: 39252,
Delta: 16 bytes.
WARNING: Drifting (Call# 293), Expected: 42563, Cur pos: 42580,
Delta: 16 bytes.
WARNING: Drifting (Call# 309), Expected: 44867, Cur pos: 44884,
Delta: 16 bytes.
Number of warnings: 29
Number of failures: 779

PCM 8.000 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 7, Expected: 478, Cur pos: 469, Delta: -9 samples



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Fail: API Call# 9, Expected: 622, Cur pos: 639, Delta: 16 samples
Fail: API Call# 10, Expected: 694, Cur pos: 682, Delta: -12 samples
Number of failures: 758

TESTCASE: Evaluating drift for TIME_BYTES...
Fail: API Call# 2, Expected: 285, Cur pos: 254, Delta: -31 bytes
Fail: API Call# 5, Expected: 717, Cur pos: 682, Delta: -35 bytes
WARNING: Drifting (Call# 7), Expected: 1005, Cur pos: 1022, Delta: 16 bytes.
Fail: API Call# 8, Expected: 1149, Cur pos: 1108, Delta: -41 bytes
WARNING: Drifting (Call# 39), Expected: 5869, Cur pos: 5886, Delta: 16 bytes.
WARNING: Drifting (Call# 55), Expected: 8173, Cur pos: 8190, Delta: 16 bytes.
Number of warnings: 24
Number of failures: 785

PCM 8.000 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES...
Fail: API Call# 2, Expected: 110, Cur pos: 127, Delta: 16 samples
Fail: API Call# 6, Expected: 398, Cur pos: 426, Delta: 27 samples
Fail: API Call# 8, Expected: 543, Cur pos: 554, Delta: 10 samples
Number of failures: 1038

TESTCASE: Evaluating drift for TIME_BYTES...
Fail: API Call# 5, Expected: 351, Cur pos: 341, Delta: -10 bytes
Fail: API Call# 7, Expected: 495, Cur pos: 511, Delta: 15 bytes
Fail: API Call# 8, Expected: 567, Cur pos: 554, Delta: -13 bytes
Number of failures: 1026

End Case: ID 9:35.3 : FAIL : Automatic Tests\Device Performance Tests\waveOut Time To WHDR_DONE : [Sat Feb 20 11:13:52 1999] PCM 11.025 kHz, 8 Bit, Mono:

TESTCASE: Measuring time from completion of last DMA buffer to when the WHDR_DONE bit is set (using CALLBACK_NULL)
Fail: after 10 attempts, the minimum time to set WHDR_DONE was 183 ms.

PCM 8.000 kHz, 16 Bit, Mono:

TESTCASE: Measuring time from completion of last DMA buffer to when the WHDR_DONE bit is set (using CALLBACK_NULL)

Fail: after 10 attempts, the minimum time to set WHDR_DONE was 124 ms.

PCM 8.000 kHz, 8 Bit, Stereo:

TESTCASE: Measuring time from completion of last DMA buffer to when the WHDR_DONE bit is set (using CALLBACK_NULL)

Fail: after 10 attempts, the minimum time to set WHDR_DONE was 123 ms.

PCM 8.000 kHz, 8 Bit, Mono:

TESTCASE: Measuring time from completion of last DMA buffer to when the WHDR_DONE bit is set (using CALLBACK_NULL)

Fail: after 10 attempts, the minimum time to set WHDR_DONE was 245 ms.

End Case: ID 9:36.2 : FAIL : Automatic Tests\Device Performance Tests\waveIn Sampling Rate drift : [Sat Feb 20 11:15:24 1999]

PCM 44.100 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

WARNING: Drifting (Call# 1), Expected: 193, Cur pos: 235, Delta: 41 samples.

Fail: API Call# 2, Expected: 590, Cur pos: 705, Delta: 114 samples.

Fail: API Call# 6, Expected: 2178, Cur pos: 2117, Delta: -61 samples.

Fail: API Call# 8, Expected: 2972, Cur pos: 3057, Delta: 84 samples.

WARNING: Drifting (Call# 24), Expected: 9366, Cur pos: 9408, Delta: 41 samples.

WARNING: Drifting (Call# 40), Expected: 15716, Cur pos: 15759, Delta: 42 samples.

Number of warnings: 18

Number of failures: 269

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 4, Expected: 6043, Cur pos: 5644, Delta: -399 bytes

Fail: API Call# 6, Expected: 9218, Cur pos: 9408, Delta: 189 bytes

Fail: API Call# 7, Expected: 10806, Cur pos: 11288, Delta: 481 bytes

WARNING: Drifting (Call# 8), Expected: 12393, Cur pos: 12228, Delta: -165 bytes.

WARNING: Drifting (Call# 47), Expected: 74484, Cur pos: 74324, Delta: -160 bytes.

WARNING: Drifting (Call# 256), Expected: 409105, Cur pos: 409268,

Delta: 162 bytes.
Number of warnings: 13
Number of failures: 276

PCM 44.100 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 571, Cur pos: 706, Delta: 134 samples.
Fail: API Call# 5, Expected: 1806, Cur pos: 1882, Delta: 75 samples.
Fail: API Call# 6, Expected: 2203, Cur pos: 2118, Delta: -85 samples.
WARNING: Drifting (Call# 13), Expected: 4981, Cur pos: 4940, Delta: -41 samples.
WARNING: Drifting (Call# 223), Expected: 88633, Cur pos: 88676, Delta: 42 samples.
WARNING: Drifting (Call# 239), Expected: 94983, Cur pos: 95026, Delta: 42 samples.
Number of warnings: 11
Number of failures: 275

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 5, Expected: 3887, Cur pos: 3764, Delta: -123 bytes
Fail: API Call# 7, Expected: 5474, Cur pos: 5648, Delta: 173 bytes
Fail: API Call# 8, Expected: 6268, Cur pos: 6116, Delta: -152 bytes
WARNING: Drifting (Call# 16), Expected: 12618, Cur pos: 12704, Delta: 85 bytes.
WARNING: Drifting (Call# 32), Expected: 25317, Cur pos: 25404, Delta: 86 bytes.
WARNING: Drifting (Call# 39), Expected: 30961, Cur pos: 31048, Delta: 86 bytes.
Number of warnings: 16
Number of failures: 272

PCM 44.100 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 598, Cur pos: 705, Delta: 106 samples.
Fail: API Call# 6, Expected: 2185, Cur pos: 2117, Delta: -68 samples.
Fail: API Call# 8, Expected: 2979, Cur pos: 3058, Delta: 78 samples.
WARNING: Drifting (Call# 196), Expected: 77813, Cur pos: 77855, Delta: 41 samples.

WARNING: Drifting (Call# 203), Expected: 80635, Cur pos: 80678,
Delta: 42 samples.
WARNING: Drifting (Call# 225), Expected: 89807, Cur pos: 89851,
Delta: 43 samples.
Number of warnings: 13
Number of failures: 268

TESTCASE: Evaluating drift for TIME_BYTES...
WARNING: Drifting (Call# 3), Expected: 2264, Cur pos: 2352, Delta:
87 bytes.
WARNING: Drifting (Call# 5), Expected: 3851, Cur pos: 3764, Delta:
-87 bytes.
Fail: API Call# 7, Expected: 5439, Cur pos: 5644, Delta: 204 bytes
Fail: API Call# 8, Expected: 6232, Cur pos: 6116, Delta: -116 bytes
Fail: API Call# 10, Expected: 7820, Cur pos: 7996, Delta: 175 bytes
WARNING: Drifting (Call# 21), Expected: 16551, Cur pos: 16464,
Delta: -87 bytes.
Number of warnings: 13
Number of failures: 270

PCM 44.100 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES...
Fail: API Call# 2, Expected: 583, Cur pos: 706, Delta: 122
samples.
Fail: API Call# 6, Expected: 2171, Cur pos: 2118, Delta: -53
samples.
Fail: API Call# 8, Expected: 2964, Cur pos: 3058, Delta: 93
samples.
WARNING: Drifting (Call# 159), Expected: 63466, Cur pos: 63508,
Delta: 41 samples.
WARNING: Drifting (Call# 175), Expected: 69816, Cur pos: 69858,
Delta: 41 samples.
WARNING: Drifting (Call# 198), Expected: 78989, Cur pos: 79032,
Delta: 42 samples.
Number of warnings: 11
Number of failures: 271

TESTCASE: Evaluating drift for TIME_BYTES...
Fail: API Call# 4, Expected: 1505, Cur pos: 1412, Delta: -93 bytes
Fail: API Call# 6, Expected: 2299, Cur pos: 2352, Delta: 52 bytes
Fail: API Call# 7, Expected: 2696, Cur pos: 2824, Delta: 127 bytes
WARNING: Drifting (Call# 63), Expected: 25362, Cur pos: 25404,
Delta: 41 bytes.
WARNING: Drifting (Call# 79), Expected: 31712, Cur pos: 31754,
Delta: 41 bytes.

WARNING: Drifting (Call# 86), Expected: 34534, Cur pos: 34576,
Delta: 41 bytes.
Number of warnings: 14
Number of failures: 268

PCM 22.050 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 306, Cur pos: 353, Delta: 46
samples.
Fail: API Call# 6, Expected: 1099, Cur pos: 1058, Delta: -41
samples.
Fail: API Call# 8, Expected: 1496, Cur pos: 1529, Delta: 32
samples.
WARNING: Drifting (Call# 131), Expected: 25969, Cur pos: 25991,
Delta: 21 samples.
WARNING: Drifting (Call# 138), Expected: 27380, Cur pos: 27402,
Delta: 21 samples.
WARNING: Drifting (Call# 140), Expected: 27777, Cur pos: 27755,
Delta: -22 samples.
Number of warnings: 21
Number of failures: 264

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 5, Expected: 3871, Cur pos: 3764, Delta: -107 bytes
Fail: API Call# 7, Expected: 5459, Cur pos: 5644, Delta: 184 bytes
Fail: API Call# 8, Expected: 6253, Cur pos: 6116, Delta: -137 bytes
WARNING: Drifting (Call# 120), Expected: 95411, Cur pos: 95496,
Delta: 84 bytes.
WARNING: Drifting (Call# 143), Expected: 113754, Cur pos: 113840,
Delta: 85 bytes.
WARNING: Drifting (Call# 182), Expected: 144973, Cur pos: 144888,
Delta: -85 bytes.
Number of warnings: 14
Number of failures: 270

PCM 22.050 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 300, Cur pos: 354, Delta: 53
samples.
Fail: API Call# 6, Expected: 1094, Cur pos: 1060, Delta: -34
samples.
Fail: API Call# 8, Expected: 1490, Cur pos: 1530, Delta: 39
samples.
WARNING: Drifting (Call# 102), Expected: 20208, Cur pos: 20230,

Delta: 21 samples.
WARNING: Drifting (Call# 120), Expected: 23780, Cur pos: 23758,
Delta: -22 samples.
WARNING: Drifting (Call# 125), Expected: 24794, Cur pos: 24816,
Delta: 21 samples.
Number of warnings: 16
Number of failures: 262

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 4, Expected: 1526, Cur pos: 1412, Delta: -114 bytes
Fail: API Call# 7, Expected: 2716, Cur pos: 2824, Delta: 107 bytes
Fail: API Call# 8, Expected: 3113, Cur pos: 3060, Delta: -53 bytes
WARNING: Drifting (Call# 107), Expected: 42534, Cur pos: 42576,
Delta: 41 bytes.
WARNING: Drifting (Call# 130), Expected: 51706, Cur pos: 51748,
Delta: 41 bytes.
WARNING: Drifting (Call# 132), Expected: 52499, Cur pos: 52456,
Delta: -43 bytes.
Number of warnings: 16
Number of failures: 272

PCM 22.050 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 290, Cur pos: 353, Delta: 62
samples.
Fail: API Call# 6, Expected: 1084, Cur pos: 1059, Delta: -25
samples.
Fail: API Call# 8, Expected: 1503, Cur pos: 1529, Delta: 25
samples.
WARNING: Drifting (Call# 91), Expected: 18016, Cur pos: 17994,
Delta: -22 samples.
WARNING: Drifting (Call# 105), Expected: 20794, Cur pos: 20817,
Delta: 22 samples.
WARNING: Drifting (Call# 107), Expected: 21191, Cur pos: 21169,
Delta: -22 samples.
Number of warnings: 17
Number of failures: 267

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 4, Expected: 1506, Cur pos: 1412, Delta: -94 bytes
Fail: API Call# 6, Expected: 2300, Cur pos: 2352, Delta: 51 bytes
Fail: API Call# 7, Expected: 2741, Cur pos: 2824, Delta: 82 bytes
WARNING: Drifting (Call# 55), Expected: 21834, Cur pos: 21876,
Delta: 41 bytes.
WARNING: Drifting (Call# 71), Expected: 28183, Cur pos: 28226,

Delta: 42 bytes.
WARNING: Drifting (Call# 78), Expected: 31005, Cur pos: 31048,
Delta: 42 bytes.
Number of warnings: 14
Number of failures: 268

PCM 22.050 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 303, Cur pos: 352, Delta: 48
samples.
Fail: API Call# 6, Expected: 1097, Cur pos: 1058, Delta: -39
samples.
Fail: API Call# 8, Expected: 1494, Cur pos: 1528, Delta: 33
samples.
WARNING: Drifting (Call# 45), Expected: 9034, Cur pos: 9056,
Delta: 21 samples.
WARNING: Drifting (Call# 63), Expected: 12606, Cur pos: 12584,
Delta: -22 samples.
WARNING: Drifting (Call# 68), Expected: 13620, Cur pos: 13642,
Delta: 21 samples.
Number of warnings: 17
Number of failures: 265

TESTCASE: Evaluating drift for TIME_BYTES....
Fail: API Call# 5, Expected: 964, Cur pos: 940, Delta: -24 bytes
Fail: API Call# 7, Expected: 1361, Cur pos: 1410, Delta: 48 bytes
Fail: API Call# 8, Expected: 1559, Cur pos: 1528, Delta: -31 bytes
WARNING: Drifting (Call# 50), Expected: 10092, Cur pos: 10114,
Delta: 21 bytes.
WARNING: Drifting (Call# 73), Expected: 14678, Cur pos: 14700,
Delta: 21 bytes.
WARNING: Drifting (Call# 89), Expected: 17853, Cur pos: 17876,
Delta: 22 bytes.
Number of warnings: 19
Number of failures: 261

PCM 11.025 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 147, Cur pos: 176, Delta: 28
samples.
WARNING: Drifting (Call# 3), Expected: 246, Cur pos: 235, Delta:
-11 samples.
Fail: API Call# 6, Expected: 544, Cur pos: 529, Delta: -15
samples.

Fail: API Call# 9, Expected: 842, Cur pos: 823, Delta: -19 samples.
WARNING: Drifting (Call# 26), Expected: 2539, Cur pos: 2528, Delta: -11 samples.
WARNING: Drifting (Call# 42), Expected: 4127, Cur pos: 4116, Delta: -11 samples.
Number of warnings: 16
Number of failures: 255

TESTCASE: Evaluating drift for TIME_BYTES...

Fail: API Call# 4, Expected: 1519, Cur pos: 1408, Delta: -111 bytes
Fail: API Call# 7, Expected: 2710, Cur pos: 2820, Delta: 109 bytes
Fail: API Call# 8, Expected: 3107, Cur pos: 3056, Delta: -51 bytes
WARNING: Drifting (Call# 45), Expected: 17834, Cur pos: 17876, Delta: 41 bytes.
WARNING: Drifting (Call# 68), Expected: 27006, Cur pos: 27048, Delta: 41 bytes.
WARNING: Drifting (Call# 84), Expected: 33355, Cur pos: 33400, Delta: 44 bytes.
Number of warnings: 16
Number of failures: 274

PCM 11.025 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES...

Fail: API Call# 2, Expected: 143, Cur pos: 176, Delta: 32 samples.
Fail: API Call# 6, Expected: 551, Cur pos: 528, Delta: -23 samples.
Fail: API Call# 8, Expected: 750, Cur pos: 764, Delta: 13 samples.
WARNING: Drifting (Call# 29), Expected: 2833, Cur pos: 2822, Delta: -11 samples.
WARNING: Drifting (Call# 75), Expected: 7419, Cur pos: 7408, Delta: -11 samples.
WARNING: Drifting (Call# 89), Expected: 8808, Cur pos: 8820, Delta: 11 samples.
Number of warnings: 13
Number of failures: 260

TESTCASE: Evaluating drift for TIME_BYTES...

Fail: API Call# 4, Expected: 750, Cur pos: 704, Delta: -46 bytes
Fail: API Call# 5, Expected: 971, Cur pos: 940, Delta: -31 bytes
Fail: API Call# 7, Expected: 1368, Cur pos: 1408, Delta: 39 bytes
WARNING: Drifting (Call# 18), Expected: 3550, Cur pos: 3528, Delta: -22 bytes.

WARNING: Drifting (Call# 55), Expected: 10914, Cur pos: 10936,
Delta: 21 bytes.
WARNING: Drifting (Call# 71), Expected: 14089, Cur pos: 14112,
Delta: 22 bytes.
Number of warnings: 18
Number of failures: 269

PCM 11.025 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 150, Cur pos: 176, Delta: 25
samples.
Fail: API Call# 6, Expected: 547, Cur pos: 529, Delta: -18
samples.
Fail: API Call# 8, Expected: 745, Cur pos: 764, Delta: 18
samples.
WARNING: Drifting (Call# 14), Expected: 1340, Cur pos: 1352,
Delta: 11 samples.
WARNING: Drifting (Call# 53), Expected: 5221, Cur pos: 5233,
Delta: 11 samples.
WARNING: Drifting (Call# 92), Expected: 9102, Cur pos: 9114,
Delta: 11 samples.
Number of warnings: 14
Number of failures: 261

TESTCASE: Evaluating drift for TIME_BYTES....
WARNING: Drifting (Call# 3), Expected: 566, Cur pos: 588, Delta:
21 bytes.
Fail: API Call# 5, Expected: 963, Cur pos: 940, Delta: -23 bytes
Fail: API Call# 7, Expected: 1360, Cur pos: 1412, Delta: 51 bytes
Fail: API Call# 8, Expected: 1558, Cur pos: 1528, Delta: -30 bytes
WARNING: Drifting (Call# 19), Expected: 3741, Cur pos: 3764,
Delta: 22 bytes.
WARNING: Drifting (Call# 21), Expected: 4138, Cur pos: 4116,
Delta: -22 bytes.
Number of warnings: 14
Number of failures: 266

PCM 11.025 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....
WARNING: Drifting (Call# 1), Expected: 48, Cur pos: 60, Delta:
11 samples.
Fail: API Call# 2, Expected: 147, Cur pos: 178, Delta: 30
samples.
Fail: API Call# 6, Expected: 544, Cur pos: 530, Delta: -14

samples.

Fail: API Call# 9, Expected: 842, Cur pos: 824, Delta: -18 samples.

WARNING: Drifting (Call# 55), Expected: 5516, Cur pos: 5528, Delta: 11 samples.

WARNING: Drifting (Call# 110), Expected: 10984, Cur pos: 10996, Delta: 11 samples.

Number of warnings: 16

Number of failures: 257

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 4, Expected: 378, Cur pos: 354, Delta: -24 bytes

WARNING: Drifting (Call# 6), Expected: 576, Cur pos: 588, Delta: 11 bytes.

Fail: API Call# 7, Expected: 676, Cur pos: 706, Delta: 29 bytes

Fail: API Call# 10, Expected: 973, Cur pos: 1000, Delta: 26 bytes

WARNING: Drifting (Call# 13), Expected: 1282, Cur pos: 1294, Delta: 11 bytes.

WARNING: Drifting (Call# 21), Expected: 2164, Cur pos: 2176, Delta: 11 bytes.

Number of warnings: 15

Number of failures: 256

PCM 8.000 kHz, 16 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 111, Cur pos: 128, Delta: 16 samples.

Fail: API Call# 6, Expected: 399, Cur pos: 384, Delta: -15 samples.

Fail: API Call# 8, Expected: 543, Cur pos: 554, Delta: 10 samples.

Number of failures: 252

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 5, Expected: 1399, Cur pos: 1364, Delta: -35 bytes

Fail: API Call# 7, Expected: 1975, Cur pos: 2048, Delta: 72 bytes

Fail: API Call# 8, Expected: 2263, Cur pos: 2216, Delta: -47 bytes

WARNING: Drifting (Call# 57), Expected: 16693, Cur pos: 16724, Delta: 30 bytes.

WARNING: Drifting (Call# 80), Expected: 23349, Cur pos: 23380, Delta: 30 bytes.

WARNING: Drifting (Call# 85), Expected: 24885, Cur pos: 24916, Delta: 30 bytes.

Number of warnings: 15

Number of failures: 268

PCM 8.000 kHz, 16 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 109, Cur pos: 128, Delta: 18 samples.

Fail: API Call# 6, Expected: 397, Cur pos: 384, Delta: -13 samples.

Fail: API Call# 8, Expected: 541, Cur pos: 556, Delta: 14 samples.

Number of failures: 256

TESTCASE: Evaluating drift for TIME_BYTES....

WARNING: Drifting (Call# 5), Expected: 700, Cur pos: 684, Delta: -16 bytes.

Fail: API Call# 7, Expected: 988, Cur pos: 1024, Delta: 35 bytes

Fail: API Call# 8, Expected: 1132, Cur pos: 1112, Delta: -20 bytes

Fail: API Call# 10, Expected: 1420, Cur pos: 1452, Delta: 31 bytes

WARNING: Drifting (Call# 19), Expected: 2715, Cur pos: 2732, Delta: 16 bytes.

WARNING: Drifting (Call# 26), Expected: 3739, Cur pos: 3756, Delta: 16 bytes.

Number of warnings: 8

Number of failures: 264

PCM 8.000 kHz, 8 Bit, Stereo:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 107, Cur pos: 128, Delta: 20 samples.

Fail: API Call# 6, Expected: 394, Cur pos: 384, Delta: -10 samples.

Fail: API Call# 9, Expected: 610, Cur pos: 598, Delta: -12 samples.

Number of failures: 251

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 4, Expected: 549, Cur pos: 512, Delta: -37 bytes

WARNING: Drifting (Call# 6), Expected: 837, Cur pos: 854, Delta: 16 bytes.

Fail: API Call# 7, Expected: 981, Cur pos: 1024, Delta: 42 bytes

Fail: API Call# 10, Expected: 1413, Cur pos: 1452, Delta: 38 bytes

WARNING: Drifting (Call# 13), Expected: 1861, Cur pos: 1878, Delta: 16 bytes.

WARNING: Drifting (Call# 197), Expected: 28432, Cur pos: 28416, Delta: -16 bytes.

Number of warnings: 12

Number of failures: 262

PCM 8.000 kHz, 8 Bit, Mono:

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 112, Cur pos: 128, Delta: 15 samples.

Fail: API Call# 6, Expected: 400, Cur pos: 384, Delta: -16 samples.

Fail: API Call# 8, Expected: 544, Cur pos: 556, Delta: 11 samples.

Number of failures: 243

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 5, Expected: 351, Cur pos: 342, Delta: -9 bytes

Fail: API Call# 7, Expected: 495, Cur pos: 512, Delta: 16 bytes

Fail: API Call# 8, Expected: 567, Cur pos: 556, Delta: -11 bytes

Number of failures: 247

End Case: ID 9:41 : FAIL : Automatic Tests\Event Callback Tests\waveIn Callback Event : [Sat Feb 20 11:15:33 1999]

PCM 44.100 kHz, 8, 16 Bit, Stereo, Mono:

PCM 22.050 kHz, 8, 16 Bit, Stereo, Mono:

PCM 11.025 kHz, 8, 16 Bit, Stereo, Mono:

PCM 8.000 kHz, 8, 16 Bit, Stereo, Mono:

FAIL: callback event was signaled before buffer completion.

5. MIDI Driver Test (NT)

End Case: ID 12:19 : FAIL : MIDI Input - Recording\MIDI Stop\while recording SysEx message : [Sat Feb 20 12:32:35 1999]

Checking dwBytesRecorded for the header.

dwBytesRecorded for the buffer (0) is not equal to the sent buffer's length (450)

Sysex buffers do not contain the same data!

Compare failed at byte 1

SysEx byte #1: Received=0x00000000 Expected=0x0000007d

<--- failure byte

End Case: ID 12:22 : FAIL : MIDI Input - Recording\MIDI Reset\While recording SysEx messages : [Sat Feb 20 12:32:40 1999]

Checking dwBytesRecorded for each header.

```
### dwBytesRecorded for the second buffer (0) is not equal to the sent
buffer's length (1000) ###
### Sysex buffers do not contain the same data! ###
### Compare failed at byte 4 ###
### SysEx byte #4: Received=0x00000000 Expected=0x00000002 ###
<--- failure byte
```

**End Case: ID 12:28 : FAIL : MIDI Input - Recording\MIM Data
Tests\MIM LONGEROR function callback verification : [Sat Feb 20
12:32:42 1999]**

Checking dwBytesRecorded for the header.

```
-----
### dwBytesRecorded for buffer #0 (0) is not equal to sysex message
#0's length (600) ###
### Sysex buffers do not contain the same data! ###
### Compare failed at byte 1 ###
### SysEx byte #1: Received=0x00000000 Expected=0x0000007d ###
<--- failure byte
```

6. MIDI In/Out Test (NT)

The submitted logs to WHQL shows that the MIDI In/Out Test were incomplete and not tested. All logs must be verified that tests were completed with a pass or fail status at the end of the logs before submitting to WHQL.

7. **Full Duplex Test (NT)**- The full duplex test could not be completed due to the system blue screening during the test. This must be fixed on your next submission for WHQL Logo.
-