Microsoft Windows Hardware Quality Labs

PC 98 AUDIO

Windows Operating Systems

Test Report

Contact Information

Company

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Technical Contact

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Master ID: 11012; Submission ID: 42453, 42460, 42467, 42474

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:	OPL3-SA3F Sound Card	As it will appear on the HCL*.
Announce Date:	**Already**	When the product will be officially announced.
Retest	_____ Master ID of previously failed submission. ☐ Windows 95 ☐ Windows 98 ☐ Windows NT 4.0 (w/SP4) ☐ Windows 2000 ☒ Hardware already at WHQL.	
PC 98 Driver update	8185 Master ID of previously logo'd submission. ☒ Windows 95 update. ☐ Windows 98 update. ☐ Windows NT 4.0 (w/SP4) update. ☐ Windows 2000 update. ☐ .INF update ONLY. ☐ Hardware already at WHQL.	
Localized Driver Package	_____ Master ID of previously logo'd submission (Only if this is a Localized Driver Package submitted after your Initial submission.)	

Device Category ***NOTE: IF NOTEBOOK HAS A DOCKING STATION, IT MUST BE SENT IN WITH NOTEBOOK SUBMISSION.**	☒ Card ☐ PCI ☒ ISA ☐ System ☐ Desktop ☐ Laptop or Notebook ☐ Closed System ☐ Docking Station ***SEE NOTE AT LEFT** ☐ ISA Expansion Slots	
BUS Interface:	ISA	Select PCI, USB, P1394, ISA, or Other. Enter other interface here:
Product Model Number:	Proto-3	
Firmware Revision Number:	NA	
CODEC Chipset Number:	OPL3-SA3(YMF715F)	
Wavetable ROM Size:	NA	Size of the Wavetable sample ROM.
Sample RAM Size:	2M Bytes	Size of RAM for downloadable soft samples.
MIDI Support:	GM	Indicate if Wavetable supports GM, GS, DLS, a combination, or other.
CD-ROM / IDE Interface Supported:	☒	If selected, indicate interface type (ATAPI, Panasonic, etc.): ATAPI
3D Sound Hardware Support:	☒	If selected, indicate type of 3D chipset:
Special Equipment:	NONE	External Volume box, etc.
Other Functions	Gameport	Display, tuner, modem, game port, etc.

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

Device Driver Information

Operating System

Operating System:	**Windows 95Windows98, NT4.0, NT 5.0**	
DirectX Driver Supported:	Other	Show the level of **DirectX** support.
Driver Set Version:	4.06.2343	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
Opl3sa.drv	4.05.2342	1998/09/28	158,288
Opl3sa.hlp		1998/06/12	14,290
Opl3sacf.hlp		1998/03/16	18,133
opl3sacx.dll	4.00.0120	1997/11/25	10,752
Sacom.inf		1996/11/01	2,398
Saide.inf		1996/11/01	905
Sareserv.inf		1996/11/01	485
Sasound.inf		1998/12/02	8,727
Vopl3sa.vxd	4.05.2342	1998/09/21	81,055
Vsgm.vxd	4.00.0304	1997/10/29	1,367,122
Vymixd.vxd	4.00.0103	1997/05/07	13,358
Cpl32apl.cpl	4.00.2004	1998/05/28	103,936
Help/english/opl3sacf.hlp		1998/03/16	18,133
Help/french/opl3sacf.hlp		1998/03/16	18,092
Help/german/opl3sacf.hlp		1998/03/16	18,404
Help/italian/opl3sacf.hlp		1998/03/16	18,350
Help/japanese/opl3sacf.hlp		1998/03/16	17,975
Help/spanish/opl3sacf.hlp		1998/03/16	18,375
Cplx/english/opl3sa.hlp		1998/06/12	14,290
Cplx/english/opl3sacx.dll		1997/11/25	10,752
Cplx/french/opl3sa.hlp		1998/06/23	14,807
Cplx/french/opl3sacx.dll		1998/04/07	10,752
Cplx/german/opl3sa.hlp		1998/06/23	7,268
Cplx/german/opl3sacx.dll		1998/04/07	10,752

Cplx/italian/opl3sa.hlp		1998/06/23	14,694
Cplx/italian/opl3sacx.dll		1998/04/07	10,752
Cplx/japanese/opl3sa.hlp		1997/06/17	13,256
Cplx/japanese/opl3sacx.dll		1998/01/23	10,240
Cplx/spanish/opl3sa.hlp		1998/06/23	15,016
Cplx/spanish/opl3sacx.dll		1998/04/07	10,752
Inf/cust_t/sasound.inf		1998/10/07	11,613

Kernel Special Pool Testing
Provide the following Kernel Special Pool information if your Test device uses **Vendor-supplied** drivers.

Driver Name	Function Name	Tag Name	Function Purpose

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:				
Requirement:	**PCI 2.1**	**PCI 2.1**	**PC 98**	**PC 98**

Device Nodes

Master ID:	11012
Submission ID:	42453, 42460, 42467, 42474
Device name:	OPL3-SA3F Sound Card
Product Announced:	☒
Test Lead:	scotther
Test Technician:	a-patrij
Reviewer:	a-gcano
Test Start Date:	01/11/1999
Test Complete Date:	01/12/1999
Test Results:	Logo
Test Notes:	Summary: Win95: Logo Win98: Logo NT4.0: Logo Win2000: Development

Warnings: (These failures will not keep this submission from receiving the logo at this time but will be expected to pass these failing cases the next time this device is submited.)

WIN98-vxd

Wave Driver Test

Start Case: ID 9:41 : Automatic Tests\Event Callback Tests\waveIn Callback Event:[Mon Jan 11 13:37:39 1999]

Test case began at Mon Jan 11 13:37:39 1999

Number of supported formats = 16.

PCM 44,100 Hz, 16 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 79 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 83 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 84 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 84 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 84 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 44,100 Hz, 16 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 86 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 84 ms.

FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 84 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 84 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 84 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 44,100 Hz, 8 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 86 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 81 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 83 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 81 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 81 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 44,100 Hz, 8 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 117 ms.
Goal for prompt event callback was 112 ms.
WARNING: Latency from buffer completion to event callback [25 ms] exceeded goal [20 ms].

Cycle 2:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 3:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 5:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 117 ms.

Goal for prompt event callback was 112 ms.

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

****

PCM 22,050 Hz, 16 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 86 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 80 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 81 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 0 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 81 ms.

FAIL: callback event was signaled before buffer completion.

Cycle 5:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 81 ms.

FAIL: callback event was signaled before buffer completion.

****

PCM 22,050 Hz, 16 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 118 ms.

Goal for prompt event callback was 112 ms.

WARNING: Latency from buffer completion to event callback [26 ms] exceeded goal [20 ms].

Cycle 2:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 3:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 4:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

****

PCM 22,050 Hz, 8 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 118 ms.

Goal for prompt event callback was 112 ms.

WARNING: Latency from buffer completion to event callback [26 ms] exceeded goal [20 ms].

Cycle 2:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 3:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 4:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

****

PCM 22,050 Hz, 8 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 119 ms.

Goal for prompt event callback was 112 ms.

WARNING: Latency from buffer completion to event callback [27 ms] exceeded goal [20 ms].

Cycle 2:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 3:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

.

Cycle 5:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 116 ms.

Goal for prompt event callback was 112 ms.

WARNING: Latency from buffer completion to event callback [24 ms] exceeded goal [20 ms].

****

PCM 11,025 Hz, 16 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 117 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 2:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 3:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

.

Cycle 5:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 117 ms.

Goal for prompt event callback was 112 ms.

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

****

PCM 11,025 Hz, 16 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 118 ms.

Goal for prompt event callback was 112 ms.

WARNING: Latency from buffer completion to event callback [26 ms] exceeded goal [20 ms].

Cycle 2:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 3:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 5:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 116 ms.

Goal for prompt event callback was 112 ms.

WARNING: Latency from buffer completion to event callback [24 ms] exceeded goal [20 ms].

****

PCM 11,025 Hz, 8 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 117 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 3:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 117 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 5:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 116 ms.

Goal for prompt event callback was 112 ms.

WARNING: Latency from buffer completion to event callback [24 ms] exceeded goal [20 ms].

****

PCM 11,025 Hz, 8 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 118 ms.

Goal for prompt event callback was 112 ms.

WARNING: Latency from buffer completion to event callback [26 ms] exceeded goal [20 ms].

Cycle 2:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 3:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

Cycle 4:

Starving...

Calling waveInAddBuffer with 92 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 113 ms.

Goal for prompt event callback was 112 ms.

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

****

PCM 8,000 Hz, 16 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 96 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 118 ms.

Goal for prompt event callback was 116 ms.

WARNING: Latency from buffer completion to event callback [22 ms] exceeded goal [20 ms].

Cycle 3:

Starving...

Calling waveInAddBuffer with 96 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 116 ms.

PASS: event callback was signalled within 20 ms of buffer completion.

Cycle 4:

Starving...

Calling waveInAddBuffer with 96 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 118 ms.

Goal for prompt event callback was 116 ms.

WARNING: Latency from buffer completion to event callback [22 ms] exceeded goal [20 ms].

****

PCM 8,000 Hz, 16 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 96 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 118 ms.

Goal for prompt event callback was 116 ms.

WARNING: Latency from buffer completion to event callback [22 ms] exceeded goal [20 ms].

Cycle 4:

Starving...

Calling waveInAddBuffer with 96 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 117 ms.

Goal for prompt event callback was 116 ms.

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

****

PCM 8,000 Hz, 8 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 96 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 117 ms.

Goal for prompt event callback was 116 ms.

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

Cycle 3:

Starving...

Calling waveInAddBuffer with 96 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 117 ms.

Goal for prompt event callback was 116 ms.

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

Cycle 4:

Starving...

Calling waveInAddBuffer with 96 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 112 ms.

PASS: event callback was signalled within 20 ms of buffer completion.

Cycle 5:

Starving...

Calling waveInAddBuffer with 96 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 117 ms.

Goal for prompt event callback was 116 ms.

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

****

PCM 8,000 Hz, 8 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 96 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 118 ms.

Goal for prompt event callback was 116 ms.

WARNING: Latency from buffer completion to event callback [22 ms] exceeded goal [20 ms].

Cycle 5:

Starving...

Calling waveInAddBuffer with 96 ms. buffer...

waveInAddBuffer took 0 ms.

Waiting for callback event...

Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 117 ms.

Goal for prompt event callback was 116 ms.

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

****

End Case: ID 9:41 : FAIL : Automatic Tests\Event Callback Tests\waveIn Callback Event : [Mon Jan 11 13:38:02 1999]

Start Case: ID 9:42 : Automatic Tests\Event Callback Tests\waveOut Callback Event:[Mon Jan 11 13:38:02 1999]

Test case began at Mon Jan 11 13:38:02 1999

PCM 22,050 Hz, 16 Bit, Stereo:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Cycle 2:

Starving...

Calling waveOutWrite with 100 ms. buffer...

waveOutWrite took 0 ms.

Waiting for callback event...

Time needed to render complete buffer was 100 ms.

Actual time from start of buffer to callback event was 97 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 99 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 99 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 22,050 Hz, 16 Bit, Mono:

Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.

Cycle 2:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 99 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 99 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 99 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 22,050 Hz, 8 Bit, Stereo:

Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.

Cycle 2:
Starving...
Calling waveOutWrite with 99 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 99 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveOutWrite with 99 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...

Time needed to render complete buffer was 99 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveOutWrite with 99 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 99 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 22,050 Hz, 8 Bit, Mono:

Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Cycle 2:
Starving...
Calling waveOutWrite with 99 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 99 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...

Calling waveOutWrite with 99 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 99 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveOutWrite with 99 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 99 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 11,025 Hz, 16 Bit, Stereo:

Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.

Cycle 2:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 95 ms.

FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 96 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 96 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 97 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 11,025 Hz, 16 Bit, Mono:

Format conversion required.

ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.

Cycle 2:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 95 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 97 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 96 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:

Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 96 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 11,025 Hz, 8 Bit, Stereo:

Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Cycle 2:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 95 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 96 ms.

FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 96 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 97 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 11,025 Hz, 8 Bit, Mono:

Cycle 2:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 95 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:

Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 96 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 97 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveOutWrite with 98 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 98 ms.
Actual time from start of buffer to callback event was 96 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 8,000 Hz, 16 Bit, Stereo:

Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.

Format conversion required.
ConverWaveResource successful.
Cycle 2:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 99 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 8,000 Hz, 16 Bit, Mono:

Format conversion required.

ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.

Cycle 2:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 8,000 Hz, 8 Bit, Stereo:

Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.

Cycle 2:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 99 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 8,000 Hz, 8 Bit, Mono:

Format conversion required.

ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.

Cycle 2:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 98 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveOutWrite with 100 ms. buffer...
waveOutWrite took 0 ms.
Waiting for callback event...
Time needed to render complete buffer was 100 ms.
Actual time from start of buffer to callback event was 99 ms.
FAIL: callback event was signaled before buffer completion.

****

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

End Case: ID 9:42 : FAIL : Automatic Tests\Event Callback Tests\waveOut Callback Event : [Mon Jan 11 13:38:23 1999]

WIN98-wdm

MIDI Driver Test

Start Case: ID 12:52 : Open Max Devices tests\Open Maximum possible instances of an output device:[Mon Jan 11 16:05:55 1999]

Device Handle: 0x82847f74

*** midiOutOpen call ***

LPHMIDIOUT lphMidiOut: 0x004032b8

UINT uDeviceId: 2

DWORD dwCallback: 0x01012263

DWORD dwCallbackInstance: 0x004042bc

DWORD dwFlags: 0x00030000

CALLBACK_FUNCTION (0x00030000)

MMSYSERR_ERROR: MMSYSTEM001 Undefined external error.

Open API returned unexpected error 0x1

Expected Value for error is 0x4 (MMSYSERR_ALLOCATED)

*** midiOutOpen call ***

LPHMIDIOUT lphMidiOut: 0x004032b8

UINT uDeviceId: 2

DWORD dwCallback: 0x01012263

DWORD dwCallbackInstance: 0x004042bc

DWORD dwFlags: 0x00030000

CALLBACK_FUNCTION (0x00030000)

MMSYSERR_ERROR: MMSYSTEM001 Undefined external error.

Warning: API returned failure as expected but HMIDI is not set to NULL

Closing handles...

*** midiOutClose call ***

HMIDIOUT hMidiOut: 0x82847f74

Messages Received:

OPEN Callback Messages: 1

CLOSE Callback Messages: 1

Other Callback Messages: 0

End Case: ID 12:52 : FAIL : Open Max Devices tests\Open Maximum possible instances of an output device : [Mon Jan 11 16:05:55 1999]

Wave Driver Test

Start Case: ID 9:41 : Automatic Tests\Event Callback Tests\waveIn Callback Event:[Mon Jan 11 15:19:35 1999]

Test case began at Mon Jan 11 15:19:35 1999

Number of supported formats = 16.

PCM 44,100 Hz, 16 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:

Starving...

Calling waveInAddBuffer with 98 ms. buffer...

waveInAddBuffer took 1 ms.

Waiting for callback event...

Time needed to capture complete buffer was 98 ms.

Actual time from start of buffer to callback event was 83 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 86 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 88 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 87 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.

Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 87 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 44,100 Hz, 16 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 71 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...

Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 81 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 73 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 44,100 Hz, 8 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.

Actual time from start of buffer to callback event was 92 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 71 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.

Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 71 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 44,100 Hz, 8 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 92 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...

Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 73 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 22,050 Hz, 16 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 62 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 62 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 1 ms.

Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 22,050 Hz, 8 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.

Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.

Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 22,050 Hz, 8 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 71 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...

Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 11,025 Hz, 16 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.

Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 61 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 62 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 92 ms. buffer...
waveInAddBuffer took 1 ms.

Waiting for callback event...
Time needed to capture complete buffer was 92 ms.
Actual time from start of buffer to callback event was 62 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 11,025 Hz, 16 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...

Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 71 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 11,025 Hz, 8 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.

Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 70 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 71 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.

Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 71 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 11,025 Hz, 8 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...

Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 73 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 98 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 98 ms.
Actual time from start of buffer to callback event was 71 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 8,000 Hz, 16 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 63 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 73 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.

Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 61 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 8,000 Hz, 16 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...

Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 62 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 73 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 62 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 8,000 Hz, 8 Bit, Stereo:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.

Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 71 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 63 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 73 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.

Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 62 ms.
FAIL: callback event was signaled before buffer completion.

****

PCM 8,000 Hz, 8 Bit, Mono:

Begin capturing to \wiEvntCB.wav.

Cycle 1:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 91 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 2:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 3:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...

Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 63 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 4:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 72 ms.
FAIL: callback event was signaled before buffer completion.

Cycle 5:
Starving...
Calling waveInAddBuffer with 96 ms. buffer...
waveInAddBuffer took 1 ms.
Waiting for callback event...
Time needed to capture complete buffer was 96 ms.
Actual time from start of buffer to callback event was 62 ms.
FAIL: callback event was signaled before buffer completion.

****

End Case: ID 9:41 : FAIL : Automatic Tests\Event Callback Tests\waveIn Callback Event : [Mon Jan 11 15:19:52 1999]

Start Case: ID 9:36.2 : Automatic Tests\Device Performance Tests\waveIn Sampling Rate drift:[Mon Jan 11 15:32:33 1999]

Test case began at Mon Jan 11 15:32:33 1999

Number of supported formats = 16.

PCM 44,100 Hz, 16 Bit, Stereo:

Collecting real-time sampling rate data...

Estimated callback buffer size is 1024 bytes.

Margin of error for SAMPLES = +/- 40 samples (1ms)

Margin of error for BYTES = +/- 159 bytes (1ms)

Block Alignment = 4 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

WARNING: Drifting (Call# 96), Expected: 40741, Cur pos: 40700, Delta: -41 samples.

WARNING: Drifting (Call# 98), Expected: 41623, Cur pos: 41580, Delta: -43 samples.

WARNING: Drifting (Call# 99), Expected: 42020, Cur pos: 41977, Delta: -43 samples.

Reached warning limit; no further warnings will appear.

Fail: API Call# 102, Expected: 43256, Cur pos: 43211, Delta: -45 samples.

Fail: API Call# 106, Expected: 44933, Cur pos: 44885, Delta: -48 samples.

Fail: API Call# 107, Expected: 45374, Cur pos: 45329, Delta: -45 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 44,100 Hz, 16 Bit, Stereo.log"

Summary of tests for SAMPLE drift

Total buffer Length: 176384 samples

Number of comparisons: 416

Number of warnings: 16

Number of failures: 67

TESTCASE: Evaluating drift for TIME_BYTES....

WARNING: Drifting (Call# 96), Expected: 163489, Cur pos: 163328, Delta: -161 bytes.

WARNING: Drifting (Call# 97), Expected: 165254, Cur pos: 165092, Delta: -162 bytes.

WARNING: Drifting (Call# 98), Expected: 167019, Cur pos: 166852, Delta: -167 bytes.

Reached warning limit; no further warnings will appear.

Fail: API Call# 103, Expected: 175138, Cur pos: 174956, Delta: -182 bytes

Fail: API Call# 105, Expected: 178491, Cur pos: 178304, Delta: -187 bytes

Fail: API Call# 106, Expected: 180256, Cur pos: 180068, Delta: -188 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 44,100 Hz, 16 Bit, Stereo.log"

Summary of tests for BYTE drift

Total buffer Length: 705536 bytes

Number of comparisons: 416

Number of warnings: 24

Number of failures: 69

****

PCM 44,100 Hz, 16 Bit, Mono:

Collecting real-time sampling rate data...

Estimated callback buffer size is 512 bytes.

Margin of error for SAMPLES = +/- 40 samples (1ms)

Margin of error for BYTES = +/- 80 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 35, Expected: 15394, Cur pos: 15454, Delta: 59 samples.

Fail: API Call# 37, Expected: 16189, Cur pos: 16246, Delta: 56 samples.

Fail: API Call# 38, Expected: 16630, Cur pos: 16688, Delta: 57 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 44,100 Hz, 16 Bit, Mono.log"

WARNING: Drifting (Call# 53), Expected: 23163, Cur pos: 23208, Delta: 44 samples.

WARNING: Drifting (Call# 54), Expected: 23560, Cur pos: 23604, Delta: 43 samples.

WARNING: Drifting (Call# 56), Expected: 24487, Cur pos: 24530, Delta: 42 samples.

Reached warning limit; no further warnings will appear.

Summary of tests for SAMPLE drift

Total buffer Length: 176384 samples

Number of comparisons: 419

Number of warnings: 26

Number of failures: 122

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 35, Expected: 31052, Cur pos: 31172, Delta: 119 bytes

Fail: API Call# 37, Expected: 32641, Cur pos: 32756, Delta: 114 bytes

Fail: API Call# 38, Expected: 33524, Cur pos: 33636, Delta: 111 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 44,100 Hz, 16 Bit, Mono.log"

WARNING: Drifting (Call# 53), Expected: 47383, Cur pos: 47472,

Delta: 88 bytes.

WARNING: Drifting (Call# 54), Expected: 48355, Cur pos: 48444, Delta: 88 bytes.

WARNING: Drifting (Call# 55), Expected: 49237, Cur pos: 49324, Delta: 86 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 352768 bytes

Number of comparisons: 418

Number of warnings: 25

Number of failures: 127

****

PCM 44,100 Hz, 8 Bit, Stereo:

Collecting real-time sampling rate data...

Estimated callback buffer size is 512 bytes.

Margin of error for SAMPLES = +/- 40 samples (1ms)

Margin of error for BYTES = +/- 80 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 1, Expected: 146, Cur pos: 264, Delta: 117 samples.

Fail: API Call# 2, Expected: 589, Cur pos: 696, Delta: 106 samples.

Fail: API Call# 4, Expected: 1429, Cur pos: 1534, Delta: 104 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 44,100 Hz, 8 Bit, Stereo.log"

WARNING: Drifting (Call# 42), Expected: 17572, Cur pos: 17616, Delta: 43 samples.

WARNING: Drifting (Call# 120), Expected: 51847, Cur pos: 51892, Delta: 44 samples.

WARNING: Drifting (Call# 121), Expected: 52245, Cur pos: 52290, Delta: 44 samples.

Reached warning limit; no further warnings will appear.

Summary of tests for SAMPLE drift

Total buffer Length: 176384 samples

Number of comparisons: 414

Number of warnings: 14

Number of failures: 221

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 1530, Cur pos: 1748, Delta: 217 bytes

Fail: API Call# 4, Expected: 3122, Cur pos: 3332, Delta: 209 bytes

Fail: API Call# 5, Expected: 4007, Cur pos: 4224, Delta: 216 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 44,100 Hz, 8 Bit, Stereo.log"

WARNING: Drifting (Call# 42), Expected: 35408, Cur pos: 35496, Delta: 87 bytes.

WARNING: Drifting (Call# 46), Expected: 38857, Cur pos: 38940, Delta: 82 bytes.

WARNING: Drifting (Call# 122), Expected: 104755, Cur pos: 104840, Delta: 84 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 352768 bytes

Number of comparisons: 416
Number of warnings: 13
Number of failures: 225

****

PCM 44,100 Hz, 8 Bit, Mono:

Collecting real-time sampling rate data...

Estimated callback buffer size is 256 bytes.

Margin of error for SAMPLES = +/- 40 samples (1ms)

Margin of error for BYTES = +/- 40 bytes (1ms)

Block Alignment = 1 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

WARNING: Drifting (Call# 142), Expected: 59993, Cur pos: 59952, Delta: -41 samples.

WARNING: Drifting (Call# 143), Expected: 60390, Cur pos: 60348, Delta: -42 samples.

WARNING: Drifting (Call# 145), Expected: 61361, Cur pos: 61320, Delta: -41 samples.

Reached warning limit; no further warnings will appear.

Fail: API Call# 150, Expected: 63434, Cur pos: 63388, Delta: -46 samples.

Fail: API Call# 154, Expected: 65066, Cur pos: 65020, Delta: -46 samples.

Fail: API Call# 155, Expected: 65463, Cur pos: 65416, Delta: -47 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 44,100 Hz, 8 Bit, Mono.log"

Summary of tests for SAMPLE drift

Total buffer Length: 176384 samples
Number of comparisons: 421
Number of warnings: 15
Number of failures: 12

TESTCASE: Evaluating drift for TIME_BYTES....

WARNING: Drifting (Call# 141), Expected: 60125, Cur pos: 60084, Delta: -41 bytes.

WARNING: Drifting (Call# 142), Expected: 60522, Cur pos: 60480, Delta: -42 bytes.

WARNING: Drifting (Call# 144), Expected: 61493, Cur pos: 61452, Delta: -41 bytes.

Reached warning limit; no further warnings will appear.

Fail: API Call# 151, Expected: 64360, Cur pos: 64312, Delta: -48 bytes

Fail: API Call# 152, Expected: 64801, Cur pos: 64756, Delta: -45 bytes

Fail: API Call# 153, Expected: 65198, Cur pos: 65152, Delta: -46 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged
to "Logs\DrftFAIL\WI PCM 44,100 Hz, 8 Bit, Mono.log"

Summary of tests for BYTE drift

Total buffer Length: 176384 bytes
Number of comparisons: 420
Number of warnings: 15
Number of failures: 8

****

PCM 22,050 Hz, 16 Bit, Stereo:

Collecting real-time sampling rate data...

Estimated callback buffer size is 1024 bytes.

Margin of error for SAMPLES = +/- 20 samples (1ms)
Margin of error for BYTES = +/- 80 bytes (1ms)
Block Alignment = 4 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 43, Expected: 9223, Cur pos: 9247, Delta: 23 samples.

WARNING: Drifting (Call# 45), Expected: 9642, Cur pos: 9665, Delta: 22 samples.

WARNING: Drifting (Call# 46), Expected: 9840, Cur pos: 9863, Delta: 22 samples.

WARNING: Drifting (Call# 47), Expected: 10039, Cur pos: 10062, Delta: 22 samples.

Reached warning limit; no further warnings will appear.

Fail: API Call# 378, Expected: 80402, Cur pos: 80379, Delta: -23 samples.

Fail: API Call# 379, Expected: 80600, Cur pos: 80577, Delta: -23 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged
to "Logs\DrftFAIL\WI PCM 22,050 Hz, 16 Bit, Stereo.log"

Summary of tests for SAMPLE drift

Total buffer Length: 88064 samples
Number of comparisons: 417
Number of warnings: 23
Number of failures: 4

TESTCASE: Evaluating drift for TIME_BYTES....

WARNING: Drifting (Call# 41), Expected: 34421, Cur pos: 34340, Delta: -81 bytes.

Fail: API Call# 43, Expected: 37157, Cur pos: 37248, Delta: 90 bytes

Fail: API Call# 45, Expected: 38833, Cur pos: 38924, Delta: 90 bytes

WARNING: Drifting (Call# 46), Expected: 39627, Cur pos: 39716, Delta: 88 bytes.

Fail: API Call# 47, Expected: 40421, Cur pos: 40512, Delta: 90 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 22,050 Hz, 16 Bit, Stereo.log"

WARNING: Drifting (Call# 48), Expected: 41303, Cur pos: 41392, Delta: 88 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 352256 bytes

Number of comparisons: 418

Number of warnings: 29

Number of failures: 8

****

PCM 22,050 Hz, 16 Bit, Mono:

Collecting real-time sampling rate data...

Estimated callback buffer size is 256 bytes.

Margin of error for SAMPLES = +/- 20 samples (1ms)

Margin of error for BYTES = +/- 40 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

WARNING: Drifting (Call# 60), Expected: 12374, Cur pos: 12352, Delta: -22 samples.

WARNING: Drifting (Call# 61), Expected: 12573, Cur pos: 12552, Delta: -21 samples.

WARNING: Drifting (Call# 62), Expected: 12771, Cur pos: 12750, Delta: -21 samples.

Reached warning limit; no further warnings will appear.

Fail: API Call# 66, Expected: 13631, Cur pos: 13608, Delta: -23 samples.

Fail: API Call# 68, Expected: 14051, Cur pos: 14028, Delta: -23 samples.

Fail: API Call# 70, Expected: 14470, Cur pos: 14446, Delta: -24 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 22,050 Hz, 16 Bit, Mono.log"

Summary of tests for SAMPLE drift

Total buffer Length: 88192 samples

Number of comparisons: 413

Number of warnings: 21

Number of failures: 74

TESTCASE: Evaluating drift for TIME_BYTES....

WARNING: Drifting (Call# 53), Expected: 21969, Cur pos: 21928, Delta: -41 bytes.

WARNING: Drifting (Call# 56), Expected: 23249, Cur pos: 23208, Delta: -41 bytes.

WARNING: Drifting (Call# 57), Expected: 23646, Cur pos: 23604, Delta: -42 bytes.

Reached warning limit; no further warnings will appear.

Fail: API Call# 64, Expected: 26558, Cur pos: 26512, Delta: -46 bytes

Fail: API Call# 65, Expected: 26999, Cur pos: 26952, Delta: -47 bytes

Fail: API Call# 67, Expected: 27793, Cur pos: 27744, Delta: -49 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 22,050 Hz, 16 Bit, Mono.log"

Summary of tests for BYTE drift

Total buffer Length: 176384 bytes

Number of comparisons: 413

Number of warnings: 19

Number of failures: 83

****

PCM 22,050 Hz, 8 Bit, Stereo:

Collecting real-time sampling rate data...

Estimated callback buffer size is 256 bytes.

Margin of error for SAMPLES = +/- 20 samples (1ms)

Margin of error for BYTES = +/- 40 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 1, Expected: 146, Cur pos: 176, Delta: 29 samples.

Fail: API Call# 2, Expected: 367, Cur pos: 394, Delta: 26 samples.

Fail: API Call# 4, Expected: 808, Cur pos: 834, Delta: 25 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 22,050 Hz, 8 Bit, Stereo.log"

WARNING: Drifting (Call# 8), Expected: 1603, Cur pos: 1626, Delta: 22 samples.

WARNING: Drifting (Call# 11), Expected: 2221, Cur pos: 2244, Delta: 22 samples.

WARNING: Drifting (Call# 13), Expected: 2618, Cur pos: 2640, Delta: 21 samples.

Reached warning limit; no further warnings will appear.

Summary of tests for SAMPLE drift

Total buffer Length: 88192 samples

Number of comparisons: 410

Number of warnings: 19

Number of failures: 74

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 865, Cur pos: 916, Delta: 50 bytes

Fail: API Call# 4, Expected: 1748, Cur pos: 1800, Delta: 51 bytes

Fail: API Call# 5, Expected: 2145, Cur pos: 2196, Delta: 50 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 22,050 Hz, 8 Bit, Stereo.log"

WARNING: Drifting (Call# 10), Expected: 4175, Cur pos: 4220, Delta: 44 bytes.

WARNING: Drifting (Call# 13), Expected: 5411, Cur pos: 5456, Delta: 44 bytes.

WARNING: Drifting (Call# 15), Expected: 6206, Cur pos: 6248, Delta: 41 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 176384 bytes

Number of comparisons: 410
Number of warnings: 17
Number of failures: 84

****

PCM 22,050 Hz, 8 Bit, Mono:

Collecting real-time sampling rate data...

Estimated callback buffer size is 128 bytes.

Margin of error for SAMPLES = +/- 20 samples (1ms)

Margin of error for BYTES = +/- 20 bytes (1ms)

Block Alignment = 1 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

WARNING: Drifting (Call# 45), Expected: 9641, Cur pos: 9620, Delta: -21 samples.

WARNING: Drifting (Call# 48), Expected: 10589, Cur pos: 10612, Delta: 22 samples.

Fail: API Call# 50, Expected: 11008, Cur pos: 11032, Delta: 23 samples.

WARNING: Drifting (Call# 52), Expected: 11405, Cur pos: 11428, Delta: 22 samples.

Reached warning limit; no further warnings will appear.

Fail: API Call# 53, Expected: 11604, Cur pos: 11628, Delta: 23 samples.

Fail: API Call# 215, Expected: 45947, Cur pos: 45924, Delta: -23 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 22,050 Hz, 8 Bit, Mono.log"

Summary of tests for SAMPLE drift

Total buffer Length: 88192 samples
Number of comparisons: 415
Number of warnings: 20
Number of failures: 7

TESTCASE: Evaluating drift for TIME_BYTES....

WARNING: Drifting (Call# 46), Expected: 10457, Cur pos: 10480, Delta: 22 bytes.

WARNING: Drifting (Call# 48), Expected: 10854, Cur pos: 10876, Delta: 21 bytes.

WARNING: Drifting (Call# 49), Expected: 11074, Cur pos: 11096, Delta: 21 bytes.

Reached warning limit; no further warnings will appear.

Fail: API Call# 53, Expected: 11868, Cur pos: 11892, Delta: 23 bytes

Fail: API Call# 56, Expected: 12508, Cur pos: 12532, Delta: 23 bytes

Fail: API Call# 215, Expected: 46432, Cur pos: 46456, Delta: 23 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 22,050 Hz, 8 Bit, Mono.log"

Summary of tests for BYTE drift

Total buffer Length: 88192 bytes
Number of comparisons: 414
Number of warnings: 24
Number of failures: 3

****

PCM 11,025 Hz, 16 Bit, Stereo:

Collecting real-time sampling rate data...

Estimated callback buffer size is 1024 bytes.

Margin of error for SAMPLES = +/- 10 samples (1ms)
Margin of error for BYTES = +/- 40 bytes (1ms)
Block Alignment = 4 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

WARNING: Drifting (Call# 104), Expected: 10880, Cur pos: 10869, Delta: -11 samples.

WARNING: Drifting (Call# 105), Expected: 10979, Cur pos: 10968, Delta: -11 samples.

WARNING: Drifting (Call# 106), Expected: 11078, Cur pos: 11067, Delta: -11 samples.

Reached warning limit; no further warnings will appear.

Summary of tests for SAMPLE drift

Total buffer Length: 44032 samples
Number of comparisons: 424
Number of warnings: 13
Number of failures: 0

TESTCASE: Evaluating drift for TIME_BYTES....

WARNING: Drifting (Call# 98), Expected: 41490, Cur pos: 41448, Delta: -42 bytes.

WARNING: Drifting (Call# 101), Expected: 42813, Cur pos: 42772, Delta: -41 bytes.

WARNING: Drifting (Call# 102), Expected: 43210, Cur pos: 43168, Delta: -42 bytes.

Reached warning limit; no further warnings will appear.

Fail: API Call# 109, Expected: 46210, Cur pos: 46164, Delta: -46 bytes

Fail: API Call# 280, Expected: 118989, Cur pos: 119044, Delta: 54 bytes

Fail: API Call# 281, Expected: 119386, Cur pos: 119436, Delta: 49 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 11,025 Hz, 16 Bit, Stereo.log"

Summary of tests for BYTE drift

Total buffer Length: 176128 bytes

Number of comparisons: 423

Number of warnings: 18

Number of failures: 5

****

PCM 11,025 Hz, 16 Bit, Mono:

Collecting real-time sampling rate data...

Estimated callback buffer size is 128 bytes.

Margin of error for SAMPLES = +/- 10 samples (1ms)

Margin of error for BYTES = +/- 20 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 1, Expected: 85, Cur pos: 66, Delta: -19 samples.

Fail: API Call# 2, Expected: 195, Cur pos: 174, Delta: -21 samples.

Fail: API Call# 4, Expected: 404, Cur pos: 384, Delta: -20 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 11,025 Hz, 16 Bit, Mono.log"

WARNING: Drifting (Call# 8), Expected: 956, Cur pos: 968, Delta: 11 samples.

WARNING: Drifting (Call# 9), Expected: 1066, Cur pos: 1078, Delta: 11 samples.

WARNING: Drifting (Call# 12), Expected: 1364, Cur pos: 1376, Delta: 11 samples.

Reached warning limit; no further warnings will appear.

Summary of tests for SAMPLE drift

Total buffer Length: 44096 samples

Number of comparisons: 423

Number of warnings: 15

Number of failures: 10

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 1, Expected: 235, Cur pos: 192, Delta: -43 bytes

Fail: API Call# 2, Expected: 455, Cur pos: 412, Delta: -43 bytes

Fail: API Call# 4, Expected: 874, Cur pos: 832, Delta: -42 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 11,025 Hz, 16 Bit, Mono.log"

WARNING: Drifting (Call# 5), Expected: 1382, Cur pos: 1404, Delta: 21 bytes.

WARNING: Drifting (Call# 9), Expected: 2198, Cur pos: 2220, Delta: 21 bytes.

WARNING: Drifting (Call# 12), Expected: 2793, Cur pos: 2816, Delta: 22 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 88192 bytes

Number of comparisons: 422
Number of warnings: 22
Number of failures: 19

****

PCM 11,025 Hz, 8 Bit, Stereo:

Collecting real-time sampling rate data...

Estimated callback buffer size is 128 bytes.

Margin of error for SAMPLES = +/- 10 samples (1ms)

Margin of error for BYTES = +/- 20 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

WARNING: Drifting (Call# 20), Expected: 2045, Cur pos: 2034, Delta: -11 samples.

WARNING: Drifting (Call# 21), Expected: 2155, Cur pos: 2144, Delta: -11 samples.

WARNING: Drifting (Call# 27), Expected: 2773, Cur pos: 2762, Delta: -11 samples.

Reached warning limit; no further warnings will appear.

Fail: API Call# 31, Expected: 3170, Cur pos: 3158, Delta: -12 samples.

Fail: API Call# 33, Expected: 3390, Cur pos: 3378, Delta: -12 samples.

Fail: API Call# 34, Expected: 3501, Cur pos: 3488, Delta: -13 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 11,025 Hz, 8 Bit, Stereo.log"

Summary of tests for SAMPLE drift

Total buffer Length: 44096 samples
Number of comparisons: 420
Number of warnings: 24
Number of failures: 70

TESTCASE: Evaluating drift for TIME_BYTES....

WARNING: Drifting (Call# 24), Expected: 4993, Cur pos: 4972, Delta: -21 bytes.

WARNING: Drifting (Call# 28), Expected: 5809, Cur pos: 5788, Delta: -21 bytes.

Fail: API Call# 29, Expected: 6008, Cur pos: 5984, Delta: -24 bytes

WARNING: Drifting (Call# 30), Expected: 6206, Cur pos: 6184, Delta: -22 bytes.

Reached warning limit; no further warnings will appear.

Fail: API Call# 31, Expected: 6427, Cur pos: 6404, Delta: -23 bytes

Fail: API Call# 32, Expected: 6648, Cur pos: 6624, Delta: -24 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged
to "Logs\DrftFAIL\WI PCM 11,025 Hz, 8 Bit, Stereo.log"

Summary of tests for BYTE drift

Total buffer Length: 88192 bytes
Number of comparisons: 420
Number of warnings: 24
Number of failures: 83

****

PCM 11,025 Hz, 8 Bit, Mono:

Collecting real-time sampling rate data...

Estimated callback buffer size is 64 bytes.

Margin of error for SAMPLES = +/- 10 samples (1ms)
Margin of error for BYTES = +/- 10 bytes (1ms)
Block Alignment = 1 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

WARNING: Drifting (Call# 84), Expected: 8795, Cur pos: 8784, Delta: -11 samples.

WARNING: Drifting (Call# 87), Expected: 9115, Cur pos: 9104, Delta: -11 samples.

WARNING: Drifting (Call# 90), Expected: 9435, Cur pos: 9424, Delta: -11 samples.

Reached warning limit; no further warnings will appear.

Fail: API Call# 94, Expected: 9832, Cur pos: 9820, Delta: -12 samples.

Fail: API Call# 99, Expected: 10372, Cur pos: 10360, Delta: -12 samples.

Fail: API Call# 103, Expected: 10780, Cur pos: 10768, Delta: -12 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged
to "Logs\DrftFAIL\WI PCM 11,025 Hz, 8 Bit, Mono.log"

Summary of tests for SAMPLE drift

Total buffer Length: 44096 samples
Number of comparisons: 423
Number of warnings: 23
Number of failures: 59

TESTCASE: Evaluating drift for TIME_BYTES....

WARNING: Drifting (Call# 87), Expected: 9247, Cur pos: 9236, Delta: -11 bytes.

WARNING: Drifting (Call# 89), Expected: 9467, Cur pos: 9456, Delta: -11 bytes.

WARNING: Drifting (Call# 90), Expected: 9567, Cur pos: 9556, Delta: -11 bytes.

Reached warning limit; no further warnings will appear.

Fail: API Call# 94, Expected: 9964, Cur pos: 9952, Delta: -12 bytes

Fail: API Call# 102, Expected: 10813, Cur pos: 10800, Delta: -13 bytes

Fail: API Call# 103, Expected: 10912, Cur pos: 10900, Delta: -12 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 11,025 Hz, 8 Bit, Mono.log"

Summary of tests for BYTE drift

Total buffer Length: 44096 bytes

Number of comparisons: 422

Number of warnings: 21

Number of failures: 60

****

PCM 8,000 Hz, 16 Bit, Stereo:

Collecting real-time sampling rate data...

Estimated callback buffer size is 512 bytes.

Margin of error for SAMPLES = +/- 8 samples (1ms)

Margin of error for BYTES = +/- 29 bytes (1ms)

Block Alignment = 4 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 5, Expected: 352, Cur pos: 343, Delta: -9 samples.

Fail: API Call# 7, Expected: 496, Cur pos: 487, Delta: -9 samples.

Fail: API Call# 8, Expected: 569, Cur pos: 559, Delta: -10 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 8,000 Hz, 16 Bit, Stereo.log"

Summary of tests for SAMPLE drift

Total buffer Length: 31872 samples

Number of comparisons: 420

Number of warnings: 0

Number of failures: 93

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 1, Expected: 317, Cur pos: 280, Delta: -37 bytes

Fail: API Call# 2, Expected: 638, Cur pos: 600, Delta: -38 bytes

Fail: API Call# 4, Expected: 1216, Cur pos: 1180, Delta: -36 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 8,000 Hz, 16 Bit, Stereo.log"

WARNING: Drifting (Call# 48), Expected: 15147, Cur pos: 15180, Delta: 32 bytes.

WARNING: Drifting (Call# 51), Expected: 16463, Cur pos: 16496, Delta: 32 bytes.

WARNING: Drifting (Call# 52), Expected: 16752, Cur pos: 16784, Delta: 31 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 127488 bytes
Number of comparisons: 419
Number of warnings: 24
Number of failures: 116

****

PCM 8,000 Hz, 16 Bit, Mono:

Collecting real-time sampling rate data...
Estimated callback buffer size is 128 bytes.

Margin of error for SAMPLES = +/- 8 samples (1ms)
Margin of error for BYTES = +/- 15 bytes (1ms)
Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 62, Expected: 4789, Cur pos: 4780, Delta: -9 samples.

Fail: API Call# 64, Expected: 4941, Cur pos: 4932, Delta: -9 samples.

Fail: API Call# 65, Expected: 5013, Cur pos: 5004, Delta: -9 samples.

Reached error limit; no further error messages will appear.
Set file logging to Verbose; full details will be logged
to "Logs\DrftFAIL\WI PCM 8,000 Hz, 16 Bit, Mono.log"

Summary of tests for SAMPLE drift

Total buffer Length: 31936 samples
Number of comparisons: 419
Number of warnings: 0
Number of failures: 63

TESTCASE: Evaluating drift for TIME_BYTES....

WARNING: Drifting (Call# 48), Expected: 7332, Cur pos: 7316, Delta: -16 bytes.

WARNING: Drifting (Call# 49), Expected: 7476, Cur pos: 7460, Delta: -16 bytes.

WARNING: Drifting (Call# 58), Expected: 8856, Cur pos: 8840, Delta: -16 bytes.

Reached warning limit; no further warnings will appear.

Fail: API Call# 61, Expected: 9289, Cur pos: 9272, Delta: -17 bytes

Fail: API Call# 63, Expected: 9626, Cur pos: 9608, Delta: -18 bytes

Fail: API Call# 64, Expected: 9770, Cur pos: 9752, Delta: -18 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 8,000 Hz, 16 Bit, Mono.log"

Summary of tests for BYTE drift

Total buffer Length: 63872 bytes

Number of comparisons: 419

Number of warnings: 14

Number of failures: 72

****

PCM 8,000 Hz, 8 Bit, Stereo:

Collecting real-time sampling rate data...

Estimated callback buffer size is 128 bytes.

Margin of error for SAMPLES = +/- 8 samples (1ms)

Margin of error for BYTES = +/- 15 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 1, Expected: 37, Cur pos: 48, Delta: 10 samples.

Fail: API Call# 164, Expected: 12367, Cur pos: 12358, Delta: -9 samples.

Fail: API Call# 165, Expected: 12439, Cur pos: 12430, Delta: -9 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 8,000 Hz, 8 Bit, Stereo.log"

Summary of tests for SAMPLE drift

Total buffer Length: 31936 samples

Number of comparisons: 422

Number of warnings: 0

Number of failures: 58

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 282, Cur pos: 300, Delta: 17 bytes

WARNING: Drifting (Call# 3), Expected: 443, Cur pos: 460, Delta: 16 bytes.

WARNING: Drifting (Call# 4), Expected: 603, Cur pos: 620, Delta: 16 bytes.

Fail: API Call# 11, Expected: 1662, Cur pos: 1680, Delta: 17 bytes

Fail: API Call# 12, Expected: 1806, Cur pos: 1824, Delta: 17 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 8,000 Hz, 8 Bit, Stereo.log"

WARNING: Drifting (Call# 13), Expected: 1951, Cur pos: 1968, Delta: 16 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 63872 bytes

Number of comparisons: 421

Number of warnings: 13

Number of failures: 79

****

PCM 8,000 Hz, 8 Bit, Mono:

Collecting real-time sampling rate data...

Estimated callback buffer size is 64 bytes.

Margin of error for SAMPLES = +/- 8 samples (1ms)

Margin of error for BYTES = +/- 8 bytes (1ms)

Block Alignment = 1 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 68, Expected: 5221, Cur pos: 5212, Delta: -9 samples.

Fail: API Call# 70, Expected: 5365, Cur pos: 5356, Delta: -9 samples.

Fail: API Call# 71, Expected: 5446, Cur pos: 5436, Delta: -10 samples.

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WI PCM 8,000 Hz, 8 Bit, Mono.log"

Summary of tests for SAMPLE drift

Total buffer Length: 31936 samples
Number of comparisons: 420
Number of warnings: 0
Number of failures: 96

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 71, Expected: 5389, Cur pos: 5380, Delta: -9 bytes

Fail: API Call# 73, Expected: 5541, Cur pos: 5532, Delta: -9 bytes

Fail: API Call# 74, Expected: 5622, Cur pos: 5612, Delta: -10 bytes

Reached error limit; no further error messages will appear.
Set file logging to Verbose; full details will be logged
to "Logs\DrftFAIL\WI PCM 8,000 Hz, 8 Bit, Mono.log"

Summary of tests for BYTE drift

Total buffer Length: 31936 bytes
Number of comparisons: 421
Number of warnings: 0
Number of failures: 99

****

End Case: ID 9:36.2 : FAIL : Automatic Tests\Device Performance Tests\waveIn Sampling Rate drift : [Mon Jan 11 15:34:09 1999]

Start Case: ID 9:35.2 : Automatic Tests\Device Performance Tests\waveOut Sampling Rate drift:[Mon Jan 11 15:34:09 1999]

PCM 44,100 Hz, 16 Bit, Stereo:

Format conversion required.
ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 4096 bytes.

Margin of error for SAMPLES = +/- 40 samples (1ms)

Margin of error for BYTES = +/- 159 bytes (1ms)

Block Alignment = 4 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 1, Expected: 671, Cur pos: 279, Delta: -392 samples

Fail: API Call# 2, Expected: 1107, Cur pos: 716, Delta: -391 samples

Fail: API Call# 4, Expected: 1977, Cur pos: 1596, Delta: -381 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 44,100 Hz, 16 Bit, Stereo.log"

WARNING: Drifting (Call# 67), Expected: 29044, Cur pos: 29000, Delta: -44 samples.

WARNING: Drifting (Call# 83), Expected: 35876, Cur pos: 35918, Delta: 41 samples.

WARNING: Drifting (Call# 444), Expected: 195015, Cur pos: 194974, Delta: -41 samples.

Reached warning limit; no further warnings will appear.

Summary of tests for SAMPLE drift

Total buffer Length: 509952 samples

Number of comparisons: 1168

Number of warnings: 4

Number of failures: 1106

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 1, Expected: 3222, Cur pos: 1628, Delta: -1594 bytes

Fail: API Call# 2, Expected: 4963, Cur pos: 3388, Delta: -1575 bytes

Fail: API Call# 4, Expected: 8618, Cur pos: 7160, Delta: -1458 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 44,100 Hz, 16 Bit, Stereo.log"

WARNING: Drifting (Call# 68), Expected: 118278, Cur pos: 118116, Delta: -162 bytes.

WARNING: Drifting (Call# 84), Expected: 145780, Cur pos: 145956, Delta: 175 bytes.

WARNING: Drifting (Call# 444), Expected: 780586, Cur pos: 780424, Delta: -162 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 2039808 bytes

Number of comparisons: 1168

Number of warnings: 6

Number of failures: 1103

****

PCM 44,100 Hz, 16 Bit, Mono:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 1024 bytes.

Margin of error for SAMPLES = +/- 40 samples (1ms)

Margin of error for BYTES = +/- 80 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 695, Delta: 695 samples

Fail: API Call# 4, Expected: 419, Cur pos: 1532, Delta: 1112 samples

Fail: API Call# 5, Expected: 856, Cur pos: 1972, Delta: 1115 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 44,100 Hz, 16 Bit, Mono.log"

WARNING: Drifting (Call# 195), Expected: 87038, Cur pos: 87081, Delta: 42 samples.

WARNING: Drifting (Call# 586), Expected: 260492, Cur pos: 260450, Delta: -42 samples.

WARNING: Drifting (Call# 608), Expected: 269704, Cur pos: 269746, Delta: 41 samples.

Reached warning limit; no further warnings will appear.

Summary of tests for SAMPLE drift

Total buffer Length: 509952 samples

Number of comparisons: 1154

Number of warnings: 5

Number of failures: 1078

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 0, Cur pos: 1656, Delta: 1656 bytes

Fail: API Call# 4, Expected: 1090, Cur pos: 3324, Delta: 2233 bytes

Fail: API Call# 5, Expected: 1963, Cur pos: 4208, Delta: 2244 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 44,100 Hz, 16 Bit, Mono.log"

WARNING: Drifting (Call# 172), Expected: 154244, Cur pos: 154156, Delta: -88 bytes.

WARNING: Drifting (Call# 173), Expected: 155117, Cur pos: 155034, Delta: -83 bytes.

WARNING: Drifting (Call# 194), Expected: 173454, Cur pos: 173540, Delta: 85 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 1019904 bytes

Number of comparisons: 1157

Number of warnings: 7

Number of failures: 1079

****

PCM 44,100 Hz, 8 Bit, Stereo:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 1024 bytes.

Margin of error for SAMPLES = +/- 40 samples (1ms)

Margin of error for BYTES = +/- 80 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 651, Delta: 651 samples

Fail: API Call# 4, Expected: 762, Cur pos: 1577, Delta: 814 samples

Fail: API Call# 5, Expected: 1153, Cur pos: 1973, Delta: 819 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 44,100 Hz, 8 Bit, Stereo.log"

WARNING: Drifting (Call# 322), Expected: 141911, Cur pos: 141869, Delta: -42 samples.

WARNING: Drifting (Call# 337), Expected: 148258, Cur pos: 148303, Delta: 44 samples.

WARNING: Drifting (Call# 650), Expected: 287365, Cur pos: 287323, Delta: -42 samples.

Reached warning limit; no further warnings will appear.

Summary of tests for SAMPLE drift

Total buffer Length: 509952 samples

Number of comparisons: 1159

Number of warnings: 5

Number of failures: 1102

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 45, Cur pos: 1654, Delta: 1608 bytes

Fail: API Call# 4, Expected: 1784, Cur pos: 3414, Delta: 1629 bytes

Fail: API Call# 5, Expected: 2566, Cur pos: 4210, Delta: 1643 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 44,100 Hz, 8 Bit, Stereo.log"

WARNING: Drifting (Call# 322), Expected: 284083, Cur pos: 284000, Delta: -83 bytes.

WARNING: Drifting (Call# 337), Expected: 296777, Cur pos: 296864, Delta: 86 bytes.

WARNING: Drifting (Call# 649), Expected: 574207, Cur pos: 574126, Delta: -81 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 1019904 bytes

Number of comparisons: 1158

Number of warnings: 5

Number of failures: 1101

****

PCM 44,100 Hz, 8 Bit, Mono:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 512 bytes.

Margin of error for SAMPLES = +/- 40 samples (1ms)
Margin of error for BYTES = +/- 40 bytes (1ms)
Block Alignment = 1 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 814, Delta: 814 samples

Fail: API Call# 4, Expected: 0, Cur pos: 1739, Delta: 1739 samples

Fail: API Call# 5, Expected: 264, Cur pos: 2136, Delta: 1871 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 44,100 Hz, 8 Bit, Mono.log"

WARNING: Drifting (Call# 589), Expected: 260527, Cur pos: 260486, Delta: -41 samples.

WARNING: Drifting (Call# 600), Expected: 265157, Cur pos: 265200, Delta: 42 samples.

Summary of tests for SAMPLE drift

Total buffer Length: 509952 samples
Number of comparisons: 1162
Number of warnings: 2
Number of failures: 1127

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 0, Cur pos: 993, Delta: 993 bytes

Fail: API Call# 4, Expected: 0, Cur pos: 1872, Delta: 1872 bytes

Fail: API Call# 5, Expected: 382, Cur pos: 2269, Delta: 1886 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 44,100 Hz, 8 Bit, Mono.log"

WARNING: Drifting (Call# 233), Expected: 103667, Cur pos: 103710, Delta: 42 bytes.

WARNING: Drifting (Call# 601), Expected: 264892, Cur pos: 264936, Delta: 43 bytes.

WARNING: Drifting (Call# 933), Expected: 411405, Cur pos: 411447, Delta: 41 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 509952 bytes

Number of comparisons: 1165

Number of warnings: 3

Number of failures: 1130

****

PCM 22,050 Hz, 16 Bit, Stereo:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 1024 bytes.

Margin of error for SAMPLES = +/- 20 samples (1ms)

Margin of error for BYTES = +/- 80 bytes (1ms)

Block Alignment = 4 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 382, Delta: 382 samples

Fail: API Call# 4, Expected: 309, Cur pos: 823, Delta: 513 samples

Fail: API Call# 5, Expected: 525, Cur pos: 1043, Delta: 517 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 22,050 Hz, 16 Bit, Stereo.log"

WARNING: Drifting (Call# 358), Expected: 78740, Cur pos: 78719, Delta: -21 samples.

WARNING: Drifting (Call# 369), Expected: 81029, Cur pos: 81052, Delta: 22 samples.

WARNING: Drifting (Call# 695), Expected: 153240, Cur pos: 153219, Delta: -21 samples.

Reached warning limit; no further warnings will appear.

Summary of tests for SAMPLE drift

Total buffer Length: 254976 samples

Number of comparisons: 1151

Number of warnings: 4

Number of failures: 1108

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 0, Cur pos: 1884, Delta: 1884 bytes

Fail: API Call# 4, Expected: 1580, Cur pos: 3644, Delta: 2063 bytes

Fail: API Call# 5, Expected: 2444, Cur pos: 4528, Delta: 2083 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 22,050 Hz, 16 Bit, Stereo.log"

WARNING: Drifting (Call# 358), Expected: 315220, Cur pos: 315132, Delta: -88 bytes.

WARNING: Drifting (Call# 704), Expected: 621345, Cur pos: 621428, Delta: 82 bytes.

Summary of tests for BYTE drift

Total buffer Length: 1019904 bytes

Number of comparisons: 1151

Number of warnings: 2

Number of failures: 1111

****

PCM 22,050 Hz, 16 Bit, Mono:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 512 bytes.

Margin of error for SAMPLES = +/- 20 samples (1ms)

Margin of error for BYTES = +/- 40 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 363, Delta: 363 samples

Fail: API Call# 4, Expected: 320, Cur pos: 803, Delta: 482 samples

Fail: API Call# 5, Expected: 536, Cur pos: 1024, Delta: 487 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 22,050 Hz, 16 Bit, Mono.log"

WARNING: Drifting (Call# 109), Expected: 23792, Cur pos: 23770, Delta: -22 samples.

WARNING: Drifting (Call# 549), Expected: 121038, Cur pos: 121017, Delta: -21 samples.

WARNING: Drifting (Call# 551), Expected: 121448, Cur pos: 121427, Delta: -21 samples.

Reached warning limit; no further warnings will appear.

Summary of tests for SAMPLE drift

Total buffer Length: 254976 samples

Number of comparisons: 1154

Number of warnings: 4

Number of failures: 1106

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 0, Cur pos: 854, Delta: 854 bytes

Fail: API Call# 4, Expected: 768, Cur pos: 1736, Delta: 967 bytes

Fail: API Call# 5, Expected: 1199, Cur pos: 2176, Delta: 976 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 22,050 Hz, 16 Bit, Mono.log"

WARNING: Drifting (Call# 109), Expected: 47711, Cur pos: 47670, Delta: -41 bytes.

WARNING: Drifting (Call# 558), Expected: 245957, Cur pos: 246000, Delta: 42 bytes.

WARNING: Drifting (Call# 560), Expected: 246776, Cur pos:

246818, Delta: 41 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 509952 bytes

Number of comparisons: 1155

Number of warnings: 5

Number of failures: 1109

****

PCM 22,050 Hz, 8 Bit, Stereo:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 512 bytes.

Margin of error for SAMPLES = +/- 20 samples (1ms)

Margin of error for BYTES = +/- 40 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 407, Delta: 407 samples

Fail: API Call# 4, Expected: 0, Cur pos: 825, Delta: 825 samples

Fail: API Call# 5, Expected: 0, Cur pos: 1045, Delta: 1045

samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 22,050 Hz, 8 Bit, Stereo.log"

WARNING: Drifting (Call# 149), Expected: 33417, Cur pos: 33395, Delta: -22 samples.

WARNING: Drifting (Call# 1119), Expected: 251172, Cur pos: 251150, Delta: -22 samples.

WARNING: Drifting (Call# 1126), Expected: 252645, Cur pos: 252668, Delta: 22 samples.

Reached warning limit; no further warnings will appear.

Summary of tests for SAMPLE drift

Total buffer Length: 254976 samples

Number of comparisons: 1142

Number of warnings: 3

Number of failures: 1105

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 0, Cur pos: 946, Delta: 946 bytes

Fail: API Call# 4, Expected: 0, Cur pos: 1828, Delta: 1828 bytes

Fail: API Call# 5, Expected: 0, Cur pos: 2232, Delta: 2232 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 22,050 Hz, 8 Bit, Stereo.log"

WARNING: Drifting (Call# 222), Expected: 99588, Cur pos: 99544, Delta: -44 bytes.

WARNING: Drifting (Call# 585), Expected: 261313, Cur pos: 261272, Delta: -41 bytes.

Summary of tests for BYTE drift

Total buffer Length: 509952 bytes
Number of comparisons: 1146
Number of warnings: 2
Number of failures: 1111

****

PCM 22,050 Hz, 8 Bit, Mono:

Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.
Collecting real-time sampling rate data...
Estimated callback buffer size is 256 bytes.

Margin of error for SAMPLES = +/- 20 samples (1ms)
Margin of error for BYTES = +/- 20 bytes (1ms)
Block Alignment = 1 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 146, Cur pos: 363, Delta: 216 samples
Fail: API Call# 4, Expected: 568, Cur pos: 805, Delta: 236 samples
Fail: API Call# 5, Expected: 779, Cur pos: 1024, Delta: 244 samples
Reached error limit; no further error messages will appear.
Set file logging to Verbose; full details will be logged
to "Logs\DrftFAIL\WO PCM 22,050 Hz, 8 Bit, Mono.log"

Summary of tests for SAMPLE drift

Total buffer Length: 254976 samples

Number of comparisons: 1165

Number of warnings: 0

Number of failures: 1145

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 211, Cur pos: 428, Delta: 216 bytes

Fail: API Call# 4, Expected: 633, Cur pos: 869, Delta: 235 bytes

Fail: API Call# 5, Expected: 865, Cur pos: 1116, Delta: 250 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 22,050 Hz, 8 Bit, Mono.log"

WARNING: Drifting (Call# 330), Expected: 72897, Cur pos: 72875, Delta: -22 bytes.

WARNING: Drifting (Call# 335), Expected: 73931, Cur pos: 73953, Delta: 21 bytes.

Summary of tests for BYTE drift

Total buffer Length: 254976 bytes

Number of comparisons: 1167

Number of warnings: 2

Number of failures: 1145

****

PCM 11,025 Hz, 16 Bit, Stereo:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 512 bytes.

Margin of error for SAMPLES = +/- 10 samples (1ms)

Margin of error for BYTES = +/- 40 bytes (1ms)

Block Alignment = 4 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 28, Cur pos: 189, Delta: 160 samples

Fail: API Call# 4, Expected: 241, Cur pos: 410, Delta: 168 samples

Fail: API Call# 5, Expected: 348, Cur pos: 519, Delta: 170 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 11,025 Hz, 16 Bit, Stereo.log"

WARNING: Drifting (Call# 548), Expected: 60126, Cur pos: 60138, Delta: 11 samples.

WARNING: Drifting (Call# 817), Expected: 90362, Cur pos: 90374, Delta: 11 samples.

Summary of tests for SAMPLE drift

Total buffer Length: 127488 samples

Number of comparisons: 1152

Number of warnings: 2

Number of failures: 1114

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 275, Cur pos: 936, Delta: 660 bytes

Fail: API Call# 4, Expected: 1129, Cur pos: 1816, Delta: 686 bytes

Fail: API Call# 5, Expected: 1556, Cur pos: 2256, Delta: 699 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 11,025 Hz, 16 Bit, Stereo.log"

WARNING: Drifting (Call# 128), Expected: 57568, Cur pos: 57524, Delta: -44 bytes.

WARNING: Drifting (Call# 135), Expected: 60471, Cur pos: 60516, Delta: 44 bytes.

WARNING: Drifting (Call# 542), Expected: 237728, Cur pos: 237684, Delta: -44 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 509952 bytes

Number of comparisons: 1154

Number of warnings: 5

Number of failures: 1116

****

PCM 11,025 Hz, 16 Bit, Mono:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 256 bytes.

Margin of error for SAMPLES = +/- 10 samples (1ms)

Margin of error for BYTES = +/- 20 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 199, Delta: 199 samples

Fail: API Call# 4, Expected: 0, Cur pos: 397, Delta: 397 samples

Fail: API Call# 5, Expected: 0, Cur pos: 508, Delta: 508 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 11,025 Hz, 16 Bit, Mono.log"

WARNING: Drifting (Call# 73), Expected: 8309, Cur pos: 8298, Delta: -11 samples.

WARNING: Drifting (Call# 271), Expected: 29760, Cur pos: 29772, Delta: 11 samples.

Summary of tests for SAMPLE drift

Total buffer Length: 127488 samples

Number of comparisons: 1152

Number of warnings: 2

Number of failures: 1121

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 0, Cur pos: 672, Delta: 672 bytes

Fail: API Call# 4, Expected: 0, Cur pos: 1082, Delta: 1082 bytes

Fail: API Call# 5, Expected: 0, Cur pos: 1302, Delta: 1302 bytes

Reached error limit; no further error messages will appear.
Set file logging to Verbose; full details will be logged
to "Logs\DrftFAIL\WO PCM 11,025 Hz, 16 Bit, Mono.log"

Summary of tests for BYTE drift

Total buffer Length: 254976 bytes
Number of comparisons: 1152
Number of warnings: 0
Number of failures: 1123

****

PCM 11,025 Hz, 8 Bit, Stereo:

Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.
Collecting real-time sampling rate data...
Estimated callback buffer size is 256 bytes.

Margin of error for SAMPLES = +/- 10 samples (1ms)
Margin of error for BYTES = +/- 20 bytes (1ms)
Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 205, Delta: 205 samples

Fail: API Call# 4, Expected: 0, Cur pos: 415, Delta: 415 samples

Fail: API Call# 5, Expected: 0, Cur pos: 524, Delta: 524 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 11,025 Hz, 8 Bit, Stereo.log"

WARNING: Drifting (Call# 75), Expected: 8165, Cur pos: 8177, Delta: 11 samples.

WARNING: Drifting (Call# 575), Expected: 63367, Cur pos: 63379, Delta: 11 samples.

Summary of tests for SAMPLE drift

Total buffer Length: 127488 samples

Number of comparisons: 1154

Number of warnings: 2

Number of failures: 1121

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 0, Cur pos: 476, Delta: 476 bytes

Fail: API Call# 4, Expected: 0, Cur pos: 894, Delta: 894 bytes

Fail: API Call# 5, Expected: 0, Cur pos: 1116, Delta: 1116 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 11,025 Hz, 8 Bit, Stereo.log"

WARNING: Drifting (Call# 71), Expected: 15603, Cur pos: 15582, Delta: -21 bytes.

WARNING: Drifting (Call# 869), Expected: 193581, Cur pos: 193560, Delta: -21 bytes.

WARNING: Drifting (Call# 1104), Expected: 245496, Cur pos: 245474, Delta: -22 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 254976 bytes

Number of comparisons: 1154

Number of warnings: 4

Number of failures: 1121

****

PCM 11,025 Hz, 8 Bit, Mono:

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 128 bytes.

Margin of error for SAMPLES = +/- 10 samples (1ms)

Margin of error for BYTES = +/- 10 bytes (1ms)

Block Alignment = 1 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 1, Expected: 356, Cur pos: 80, Delta: -276 samples

Fail: API Call# 2, Expected: 469, Cur pos: 200, Delta: -269 samples

Fail: API Call# 3, Expected: 582, Cur pos: 322, Delta: -260 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 11,025 Hz, 8 Bit, Mono.log"

WARNING: Drifting (Call# 36), Expected: 3956, Cur pos: 3945, Delta: -11 samples.

WARNING: Drifting (Call# 601), Expected: 65841, Cur pos: 65830,

Delta: -11 samples.

Summary of tests for SAMPLE drift

Total buffer Length: 127488 samples

Number of comparisons: 1158

Number of warnings: 2

Number of failures: 1127

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 1, Expected: 408, Cur pos: 123, Delta: -285 bytes

Fail: API Call# 2, Expected: 511, Cur pos: 233, Delta: -278 bytes

Fail: API Call# 3, Expected: 634, Cur pos: 365, Delta: -269 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 11,025 Hz, 8 Bit, Mono.log"

WARNING: Drifting (Call# 245), Expected: 26787, Cur pos: 26776, Delta: -11 bytes.

WARNING: Drifting (Call# 248), Expected: 27094, Cur pos: 27106, Delta: 11 bytes.

WARNING: Drifting (Call# 1009), Expected: 111727, Cur pos: 111739, Delta: 11 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 127488 bytes

Number of comparisons: 1158

Number of warnings: 3

Number of failures: 1127

****

PCM 8,000 Hz, 16 Bit, Stereo:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 512 bytes.

Margin of error for SAMPLES = +/- 8 samples (1ms)

Margin of error for BYTES = +/- 29 bytes (1ms)

Block Alignment = 4 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 1, Expected: 436, Cur pos: 62, Delta: -374 samples

Fail: API Call# 2, Expected: 512, Cur pos: 142, Delta: -370 samples

Fail: API Call# 3, Expected: 580, Cur pos: 213, Delta: -367 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 8,000 Hz, 16 Bit, Stereo.log"

Summary of tests for SAMPLE drift

Total buffer Length: 92544 samples

Number of comparisons: 1145

Number of warnings: 0

Number of failures: 1127

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 1, Expected: 1829, Cur pos: 340, Delta: -1489 bytes

Fail: API Call# 2, Expected: 2132, Cur pos: 660, Delta: -1472 bytes

Fail: API Call# 3, Expected: 2404, Cur pos: 948, Delta: -1456 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 8,000 Hz, 16 Bit, Stereo.log"

WARNING: Drifting (Call# 89), Expected: 27832, Cur pos: 27864, Delta: 31 bytes.

WARNING: Drifting (Call# 785), Expected: 254807, Cur pos: 254840, Delta: 32 bytes.

WARNING: Drifting (Call# 1056), Expected: 341626, Cur pos: 341596, Delta: -30 bytes.

Reached warning limit; no further warnings will appear.

Summary of tests for BYTE drift

Total buffer Length: 370176 bytes

Number of comparisons: 1147

Number of warnings: 3

Number of failures: 1129

****

PCM 8,000 Hz, 16 Bit, Mono:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 128 bytes.

Margin of error for SAMPLES = +/- 8 samples (1ms)

Margin of error for BYTES = +/- 15 bytes (1ms)

Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 1, Expected: 140, Cur pos: 62, Delta: -78 samples

Fail: API Call# 2, Expected: 214, Cur pos: 142, Delta: -72 samples

Fail: API Call# 4, Expected: 354, Cur pos: 294, Delta: -60 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 8,000 Hz, 16 Bit, Mono.log"

Summary of tests for SAMPLE drift

Total buffer Length: 92544 samples

Number of comparisons: 1153

Number of warnings: 0

Number of failures: 1122

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 1, Expected: 330, Cur pos: 172, Delta: -158 bytes

Fail: API Call# 2, Expected: 477, Cur pos: 332, Delta: -145 bytes

Fail: API Call# 4, Expected: 757, Cur pos: 636, Delta: -121 bytes

Reached error limit; no further error messages will appear.
Set file logging to Verbose; full details will be logged
to "Logs\DrftFAIL\WO PCM 8,000 Hz, 16 Bit, Mono.log"

Summary of tests for BYTE drift

Total buffer Length: 185088 bytes
Number of comparisons: 1153
Number of warnings: 0
Number of failures: 1123

****

PCM 8,000 Hz, 8 Bit, Stereo:

Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
Format conversion required.
ConverWaveResource successful.
WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.
Collecting real-time sampling rate data...
Estimated callback buffer size is 128 bytes.

Margin of error for SAMPLES = +/- 8 samples (1ms)
Margin of error for BYTES = +/- 15 bytes (1ms)
Block Alignment = 2 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....
Fail: API Call# 2, Expected: 0, Cur pos: 142, Delta: 142 samples
Fail: API Call# 4, Expected: 0, Cur pos: 302, Delta: 302

samples

Fail: API Call# 5, Expected: 0, Cur pos: 375, Delta: 375 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 8,000 Hz, 8 Bit, Stereo.log"

Summary of tests for SAMPLE drift

Total buffer Length: 92544 samples

Number of comparisons: 1151

Number of warnings: 0

Number of failures: 1130

TESTCASE: Evaluating drift for TIME_BYTES....

Fail: API Call# 2, Expected: 0, Cur pos: 332, Delta: 332 bytes

Fail: API Call# 4, Expected: 0, Cur pos: 652, Delta: 652 bytes

Fail: API Call# 5, Expected: 0, Cur pos: 796, Delta: 796 bytes

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 8,000 Hz, 8 Bit, Stereo.log"

Summary of tests for BYTE drift

Total buffer Length: 185088 bytes

Number of comparisons: 1152

Number of warnings: 0

Number of failures: 1130

****

PCM 8,000 Hz, 8 Bit, Mono:

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

Format conversion required.

ConverWaveResource successful.

WAVECAPS_SAMPLEACCURATE bit is set in WAVEOUTCAPS.

Collecting real-time sampling rate data...

Estimated callback buffer size is 64 bytes.

Margin of error for SAMPLES = +/- 8 samples (1ms)

Margin of error for BYTES = +/- 8 bytes (1ms)

Block Alignment = 1 bytes

TESTCASE: Evaluating drift for TIME_SAMPLES....

Fail: API Call# 2, Expected: 0, Cur pos: 142, Delta: 142 samples

Fail: API Call# 4, Expected: 0, Cur pos: 295, Delta: 295 samples

Fail: API Call# 5, Expected: 0, Cur pos: 375, Delta: 375 samples

Reached error limit; no further error messages will appear.

Set file logging to Verbose; full details will be logged

to "Logs\DrftFAIL\WO PCM 8,000 Hz, 8 Bit, Mono.log"

Summary of tests for SAMPLE drift

Total buffer Length: 92544 samples

Number of comparisons: 1156

Number of warnings: 0

Number of failures: 1115

TESTCASE: Evaluating drift for TIME_BYTES....

```
Fail: API Call#    2, Expected:      0, Cur pos:     167, Delta:  167 bytes
Fail: API Call#    4, Expected:      0, Cur pos:     319, Delta:  319 bytes
Fail: API Call#    5, Expected:      0, Cur pos:     399, Delta:  399 bytes
Reached error limit; no further error messages will appear.
  Set file logging to Verbose; full details will be logged
  to "Logs\DrftFAIL\WO PCM 8,000 Hz, 8 Bit, Mono.log"

          Summary of tests for BYTE drift
          ---------------------------------------
            Total buffer Length:  92544 bytes
           Number of comparisons: 1156
             Number of warnings:    0
             Number of failures: 1114

 ********************************************************************
    Format conversion required.
    ConverWaveResource successful.
    Format conversion required.
    ConverWaveResource successful.
    Format conversion required.
    ConverWaveResource successful.
End Case: ID 9:35.2 : FAIL : Automatic Tests\Device Performance
Tests\waveOut Sampling Rate drift : [Mon Jan 11 15:38:26 1999]
```

Notes: (The following items were noted during the testing of this submission. This is provided as information only and no action is required).

WIN98-vxd

MIDI Driver Test

Manufacturer ID is not registered with Microsoft

WIN98-wdm

Wave Driver Test

When testing all cases in this test together cases 9:34 and 9:42 originally failed but when tested individually these cases passed.

MIDI Driver Test

When testing all cases in this test together case 12:53 originally failed but when tested individually this case passed.

Case 12:51 Completely locks the system up when trying to run it individual or otherwise.

NT 5.0

Mixer Driver Test

Calling mixerOpen...

mixerOpen returned hmx = 0x00152300

VerifyOpenWithControlCallback

This mixer has 13 total lines.

This mixer has 27 total controls.

Looping through all controls for each mixer line:

Checking LineID 0xFFFF0000 (Test LineNumber = 0)

ControlNumber = 0 (dwControlID = 0x00000001)
Control 0 is a UNIFORM control (fdwControl = 0x00000001)
No specific tests yet for controls of this type.

ControlNumber = 1 (dwControlID = 0x00000002)
Control 1 is a UNIFORM control (fdwControl = 0x00000001)
No specific tests yet for controls of this type.

ControlNumber = 2 (dwControlID = 0x00000003)
Calling mixerGetControlDetails

Calling mixerSetControlDetails

Waiting for callback(s) from driver.
!! Timed out waiting for correct callback !!
!!! No callback(s) were received !!!
Fail: failed to get correct MM_MIXM_CONTROL_CHANGE.
Fail: hmx (0x00000000) passed in callback != expected hmx (0x00152300).

Calling mixerSetControlDetails

ControlNumber = 3 (dwControlID = 0x00000004)
Control 3 is a UNIFORM control (fdwControl = 0x00000001)
No specific tests yet for controls of this type.

ControlNumber = 4 (dwControlID = 0x00000005)
Control 4 is a UNIFORM control (fdwControl = 0x00000001)
No specific tests yet for controls of this type.

Checking LineID 0xFFFF0001 (Test LineNumber = 1)

ControlNumber = 5 (dwControlID = 0x00000000)
Control 5 is a UNIFORM control (fdwControl = 0x00000003)
No specific tests yet for controls of this type.

Checking LineID 0x00000000 (Test LineNumber = 2)

ControlNumber = 6 (dwControlID = 0x00000006)
Control 6 is a UNIFORM control (fdwControl = 0x00000001)
No specific tests yet for controls of this type.

ControlNumber = 7 (dwControlID = 0x00000007)
Calling mixerGetControlDetails

Calling mixerSetControlDetails

Waiting for callback(s) from driver.
!! Timed out waiting for correct callback !!
!!! No callback(s) were received !!!
Fail: failed to get correct MM_MIXM_CONTROL_CHANGE.
Fail: hmx (0x00000000) passed in callback != expected hmx (0x00152300).

Calling mixerSetControlDetails

Checking LineID 0x00010000 (Test LineNumber = 3)

ControlNumber = 8 (dwControlID = 0x00000008)
Control 8 is a UNIFORM control (fdwControl = 0x00000001)
Calling mixerGetControlDetails

Calling mixerSetControlDetails

Waiting for callback(s) from driver.

!! Timed out waiting for correct callback !!

!!! No callback(s) were received !!!

Fail: failed to get correct MM_MIXM_CONTROL_CHANGE.

Fail: hmx (0x00000000) passed in callback != expected hmx (0x00152300).

Calling mixerSetControlDetails

ControlNumber = 9 (dwControlID = 0x00000009)

Control 9 is a UNIFORM control (fdwControl = 0x00000001)

No specific tests yet for controls of this type.

ControlNumber = 10 (dwControlID = 0x0000000A)

Control 10 is a UNIFORM control (fdwControl = 0x00000001)

Calling mixerGetControlDetails

Calling mixerSetControlDetails

Waiting for callback(s) from driver.

!! Timed out waiting for correct callback !!

!!! No callback(s) were received !!!

Fail: failed to get correct MM_MIXM_CONTROL_CHANGE.

Fail: hmx (0x00000000) passed in callback != expected hmx (0x00152300).

Calling mixerSetControlDetails

Checking LineID 0x00020000 (Test LineNumber = 4)

ControlNumber = 11 (dwControlID = 0x0000000B)

Control 11 is a UNIFORM control (fdwControl = 0x00000001)

No specific tests yet for controls of this type.

Microsoft Window

PC 98 AUDIO

Windows Operating Systems

Test Report

Master ID: 11012; Submission ID: 42453, 42460, 42467, 42474

Calling mixerSetControlDetails

ControlNumber = 15 (dwControlID = 0x0000000F)
Control 15 is a UNIFORM control (fdwControl = 0x00000001)
No specific tests yet for controls of this type.

Checking LineID 0x00040000 (Test LineNumber = 6)

ControlNumber = 16 (dwControlID = 0x00000010)
Control 16 is a UNIFORM control (fdwControl = 0x00000001)
No specific tests yet for controls of this type.

ControlNumber = 17 (dwControlID = 0x00000011)
Calling mixerGetControlDetails

Calling mixerSetControlDetails

Waiting for callback(s) from driver.
!! Timed out waiting for correct callback !!
!!! No callback(s) were received !!!
Fail: failed to get correct MM_MIXM_CONTROL_CHANGE.
Fail: hmx (0x00000000) passed in callback != expected hmx (0x00152300).

Calling mixerSetControlDetails

Checking LineID 0x00050000 (Test LineNumber = 7)

ControlNumber = 18 (dwControlID = 0x00000012)
Control 18 is a UNIFORM control (fdwControl = 0x00000001)
No specific tests yet for controls of this type.

ControlNumber = 19 (dwControlID = 0x00000013)

Calling mixerGetControlDetails

Calling mixerSetControlDetails

Waiting for callback(s) from driver.

!! Timed out waiting for correct callback !!

!!! No callback(s) were received !!!

Fail: failed to get correct MM_MIXM_CONTROL_CHANGE.

Fail: hmx (0x00000000) passed in callback != expected hmx (0x00152300).

Calling mixerSetControlDetails

Checking LineID 0x00060000 (Test LineNumber = 8)

ControlNumber = 20 (dwControlID = 0x00000014)

Control 20 is a UNIFORM control (fdwControl = 0x00000001)

No specific tests yet for controls of this type.

ControlNumber = 21 (dwControlID = 0x00000015)

Calling mixerGetControlDetails

Calling mixerSetControlDetails

Waiting for callback(s) from driver.

!! Timed out waiting for correct callback !!

!!! No callback(s) were received !!!

Fail: failed to get correct MM_MIXM_CONTROL_CHANGE.

Fail: hmx (0x00000000) passed in callback != expected hmx (0x00152300).

Calling mixerSetControlDetails

Checking LineID 0x00000001 (Test LineNumber = 9)

ControlNumber = 22 (dwControlID = 0x00000016)
Control 22 is a UNIFORM control (fdwControl = 0x00000001)
No specific tests yet for controls of this type.

ControlNumber = 23 (dwControlID = 0x00000017)
Calling mixerGetControlDetails

Calling mixerSetControlDetails

Waiting for callback(s) from driver.
!! Timed out waiting for correct callback !!
!!! No callback(s) were received !!!
Fail: failed to get correct MM_MIXM_CONTROL_CHANGE.
Fail: hmx (0x00000000) passed in callback != expected hmx (0x00152300).

Calling mixerSetControlDetails

Checking LineID 0x00010001 (Test LineNumber = 10)

ControlNumber = 24 (dwControlID = 0x00000018)
Calling mixerGetControlDetails

Calling mixerSetControlDetails

Waiting for callback(s) from driver.
!! Timed out waiting for correct callback !!
!!! No callback(s) were received !!!
Fail: failed to get correct MM_MIXM_CONTROL_CHANGE.
Fail: hmx (0x00000000) passed in callback != expected hmx (0x00152300).

Calling mixerSetControlDetails

Checking LineID 0x00020001 (Test LineNumber = 11)

ControlNumber = 25 (dwControlID = 0x00000019)
Calling mixerGetControlDetails

Calling mixerSetControlDetails

Waiting for callback(s) from driver.
!! Timed out waiting for correct callback !!
!!! No callback(s) were received !!!
Fail: failed to get correct MM_MIXM_CONTROL_CHANGE.
Fail: hmx (0x00000000) passed in callback != expected hmx (0x00152300).

Calling mixerSetControlDetails

Checking LineID 0x00030001 (Test LineNumber = 12)

ControlNumber = 26 (dwControlID = 0x0000001A)
Calling mixerGetControlDetails

Calling mixerSetControlDetails

Waiting for callback(s) from driver.
!! Timed out waiting for correct callback !!
!!! No callback(s) were received !!!
Fail: failed to get correct MM_MIXM_CONTROL_CHANGE.
Fail: hmx (0x00000000) passed in callback != expected hmx (0x00152300).

Calling mixerSetControlDetails

Case 6: FAIL:mixerOpen() - control change callback

Wave In Test

Case 68

<DEBUG> wavin2.c!TestWaveIn_Crackle().

Test waveInOpen/Close for crackling:

Case 68: FAIL:WaveIn Open/Close Crackling?

Case 55

** waveInClose call ***

HWAVEIN hWaveIn: 0x1430f0

The function returned WAVERR_STILLPLAYING

Error: Cannot perform this operation while media data is still playing. Reset the device, or wait until the data is finished playing.

FAIL : Close after waveInStop

*** waveInOpen call ***

LPHWAVEIN lphWaveIn: 0x12fe74

UINT uDeviceID: 0

UINT wFormatTag: 1

UINT nChannels: 1

DWORD nSamplesPerSec: 11025

DWORD nAvgBytesPerSec: 11025

UINT nBlockAlign: 1

LPWAVECALLBACK lpfnCallback: 0

DWORD dwCallbackInstance: 0

DWORD dwFlags: 2

The function returned MMSYSERR_ALLOCATED

Error: The specified device is already in use. Wait until it is free, and then try again.

Case 56

*** waveInOpen call ***

LPHWAVEIN lphWaveIn: 0x12fe74

UINT uDeviceID: 0

UINT wFormatTag: 1

UINT nChannels: 1

DWORD nSamplesPerSec: 11025

DWORD nAvgBytesPerSec: 11025

UINT nBlockAlign: 1

LPWAVECALLBACK lpfnCallback: 0

DWORD dwCallbackInstance: 0

DWORD dwFlags: 0

The function returned MMSYSERR_ALLOCATED

Error: The specified device is already in use. Wait until it is free, and then try again.

Case 57

<DEBUG> wavin1.c!TestWaveInUnprepareHeader().

waveInUnprepareHeader Tests:

*** waveInOpen call ***

LPHWAVEIN lphWaveIn: 0x12fe74

UINT uDeviceID: 0

UINT wFormatTag: 1

UINT nChannels: 1

DWORD nSamplesPerSec: 11025

DWORD nAvgBytesPerSec: 11025

UINT nBlockAlign: 1

LPWAVECALLBACK lpfnCallback: 0

DWORD dwCallbackInstance: 0

DWORD dwFlags: 0

The function returned MMSYSERR_ALLOCATED

Error: The specified device is already in use. Wait until it is free, and then try again.

Case 58

<DEBUG> wavin2.c!TestWaveInStart().

waveInStart Tests:

*** waveInOpen call ***

LPHWAVEIN lphWaveIn: 0x12fe74

UINT uDeviceID: 0

UINT wFormatTag: 1

UINT nChannels: 1

DWORD nSamplesPerSec: 11025

DWORD nAvgBytesPerSec: 11025

UINT nBlockAlign: 1

LPWAVECALLBACK lpfnCallback: 459020

DWORD dwCallbackInstance: 0

DWORD dwFlags: 65536

The function returned MMSYSERR_ALLOCATED

Error: The specified device is already in use. Wait until it is free, and then try again.

Case 59

<DEBUG> wavin2.c!TestWaveInStop().

waveInStop Tests:

*** waveInOpen call ***

LPHWAVEIN lphWaveIn: 0x12fe74

UINT uDeviceID: 0

UINT wFormatTag: 1

UINT nChannels: 1

DWORD nSamplesPerSec: 11025

DWORD nAvgBytesPerSec: 11025

UINT nBlockAlign: 1

LPWAVECALLBACK lpfnCallback: 459020

DWORD dwCallbackInstance: 0

DWORD dwFlags: 65536

The function returned MMSYSERR_ALLOCATED

Error: The specified device is already in use. Wait until it is free, and then try again.

Case 60

<DEBUG> wavin1.c!TestWaveInReset().

waveInReset Tests:

*** waveInOpen call ***

LPHWAVEIN lphWaveIn: 0x12fe70

UINT uDeviceID: 0

UINT wFormatTag: 1

UINT nChannels: 1

DWORD nSamplesPerSec: 11025

DWORD nAvgBytesPerSec: 11025

UINT nBlockAlign: 1

LPWAVECALLBACK lpfnCallback: 459020

DWORD dwCallbackInstance: 0

DWORD dwFlags: 65536

The function returned MMSYSERR_ALLOCATED

Error: The specified device is already in use. Wait until it is free, and then try again.

Test timed out waiting for window message callback.

Case 61

<DEBUG> wavin1.c!TestWaveInGetPosition().

waveInGetPosition Tests:

*** waveInOpen call ***

LPHWAVEIN lphWaveIn: 0x12fe38

UINT uDeviceID: 0

UINT wFormatTag: 1

UINT nChannels: 1

DWORD nSamplesPerSec: 11025

DWORD nAvgBytesPerSec: 11025

UINT nBlockAlign: 1

LPWAVECALLBACK lpfnCallback: 0

DWORD dwCallbackInstance: 0

DWORD dwFlags: 0

The function returned MMSYSERR_ALLOCATED

Error: The specified device is already in use. Wait until it is free, and then try again.

Wave Out Test

Case 14

- Calling waveOutWrite --

HWAVE hWave: 0x1430f0

LPWAVEHDR lpWaveHdr: 0x152d38

UINT uSize: 32

-- waveOutWrite returned: 11 --

MMSYSTEM ERROR: Record/Playback::An invalid parameter was passed to a system function.

-- Calling waveOutWrite --

HWAVE hWave: 0x1430f0

LPWAVEHDR lpWaveHdr: 0x152d98

UINT uSize: 32

-- waveOutWrite returned: 11 --

MMSYSTEM ERROR: Record/Playback::An invalid parameter was passed to a system function.

-- Calling waveOutClose --

HWAVE hWave: 0x1430f0

-- waveOutClose returned: 0 --

FAIL:3 buffers of 0 bytes

Case 14: FAIL:*WaveOutWrite, zero-size dwBufferLength

Case 25

-- Calling waveOutUnprepareHeader --

HWAVE hWave: 0x1430f0

LPWAVEHDR lpWaveHdr: 0x152ed8

UINT uSize: 32

-- waveOutUnprepareHeader returned: 33 --

MMSYSTEM ERROR: Record/Playback::Cannot perform this operation while media data is still playing. Reset the device, or wait until the data is finished playing.

-- Calling waveOutClose --

HWAVE hWave: 0x1430f0

-- waveOutClose returned: 0 --

FAIL:short.wav-(medium.wav-long.wav) x 3-short.wav

Output Format: 11.025 kHz 8-bit mono PCM

Converting data to 11.025 kHz 8-bit mono PCM

Conversion done.

-- Calling waveOutUnprepareHeader --

HWAVE hWave: 0x1430f0

LPWAVEHDR lpWaveHdr: 0x16c040

UINT uSize: 32

-- waveOutUnprepareHeader returned: 33 --

MMSYSTEM ERROR: Record/Playback::Cannot perform this operation while media data is still playing. Reset the device, or wait until the data is finished playing.

-- Calling waveOutClose --

HWAVE hWave: 0x1430f0

-- waveOutClose returned: 0 --

FAIL:short.wav-(medium.wav-long.wav-short.wav) x 3-short.wav

Output Format: 11.025 kHz 8-bit mono PCM

Converting data to 11.025 kHz 8-bit mono PCM

Conversion done.

-- Calling waveOutUnprepareHeader --

HWAVE hWave: 0x1430f0

LPWAVEHDR lpWaveHdr: 0x152c68

UINT uSize: 32

-- waveOutUnprepareHeader returned: 33 --

MMSYSTEM ERROR: Record/Playback::Cannot perform this operation while media data is still playing. Reset the device, or wait until the data is finished playing.

- Calling waveOutClose --

HWAVE hWave: 0x1430f0

-- waveOutClose returned: 0 --

FAIL:short.wav-(medium.wav-short.wav-short.wav-long.wav) x 3-short.wav

Output Format: 11.025 kHz 8-bit mono PCM

Converting data to 11.025 kHz 8-bit mono PCM

Conversion done.

Case 25: FAIL:*WaveOutWrite Looping

Case 43

<Debug> wavout1.c!TestWaveOutClose().

waveOutClose Tests:

*** waveOutClose call ***

WAVEOUT hWaveOut: 0x0

The function returned MMSYSERR_INVALHANDLE

Error: The specified device handle is invalid.

Pass : Close w/ NULL handle

*** waveInOpen call ***

LPHWAVEIN lphWaveIn: 0x12fe70

UINT uDeviceID: 4294967295

UINT wFormatTag: 1

UINT nChannels: 1

DWORD nSamplesPerSec: 11025

DWORD nAvgBytesPerSec: 11025

UINT nBlockAlign: 1

LPWAVECALLBACK lpfnCallback: 590092

DWORD dwCallbackInstance: 0

DWORD dwFlags: 65538

The function returned MMSYSERR_ALLOCATED

Error: The specified device is already in use. Wait until it is free, and then try again.

<DEBUG> Aborted.