Tech Info Library

Sound Manager 3.1: Improves Power Macintosh Sound (1/96)

Article Created: 17 August 1995
Article Reviewed/Updated: 26 January 1996

TOPIC ---

Will I notice any improvement in the sound performance on my Power Macintosh
computer after upgrading to Sound Manager v3.1?

DISCUSSION --

The following table shows the real time usage of the central processor on a
Power Macintosh 6100/60 computer under various test cases playing a single
sound. The percentage refers to how much of the processor's time is spent
executing the code to play the sound in the given case. This compares the
emulated 68040 processor code of the previous Sound Manager with the new fully
native PowerPC code of Sound Manager 3.1 software.

You can expect the new Sound Manager to perform 4-6 times faster on your Power
Macintosh computer. The sound input interrupt handler was also optimized, and
you can expect it to be 7-9 times faster.

Begin_Table

PowerMac 6100/60	Emulated 68k	Native PowerPC*
8bit, mono	5%	1.6%
8bit, mono, w/sample rate conversion	12%	2.2%
16bit, stereo	13%	1.9%
16bit, stereo, w/sample rate conversion	26%	2.3%
16bit, stereo, w/sample rate conversion, IMA	41%	6.6%

* Overall performance may be affected by other extensions or control panels.

End_Table

Article Change History:
26 Jan 1996 - Clarified what the percentages are indicating.
04 Jan 1996 - Corrected minor typo.

Support Information Services
Copyright 1995-96, Apple Computer, Inc.

Keywords: ksts

===

This information is from the Apple Technical Information Library.

19960215 11:05:19.00
Tech Info Library Article Number: 18413