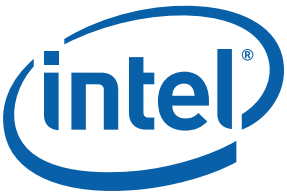

Intel® Accelerated DSP Software

Package Version 1.1

Release Notes

October 2010

Document Number: 323035-002

Contents

Revision History

Date	Revision	Description
October 2010	002	Updated Section 2, "Known Issues" on page 5. Change bars indicate areas of change.
November 2009	001	For Package Version 1.1.

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1 Description of Release

This document describes Intel Accelerated DSP Software release 1.1.

These release notes may also include known issues with third-party or reference platform components that affect the operation of the software.

1.1 New Features

NA

1.2 Supported Operating Systems

This software release has been validated with the following operating systems:

- Red Hat* Enterprise Linux 5* with Linux* kernel 2.6.18 operating system (on Intel® EP80579 Integrated Processor based platform)
- CentOS* 5.3 (32-bit) operating system (on Intel® Core™ i7-based platforms)
- Moblin* v2.0 operating system (on Intel® Atom™ processor-based platforms)

1.3 Supported Component Versions

NA

1.3.1 Version Numbering Scheme

NA

1.3.2 BIOS/Firmware Version

NA

1.3.3 Components

- Package version 1.1
  - ADS 1.1 DSP library - libdsp.a
  - OSAL library - libosal.a
  - ADS 1.1 reference application source code - Endpoint (IP-Media phone)
  - ADS 1.1 reference application source code - IP-PBX

2 Known Issues

This section contains errata that are common to all software releases. This may include errata related to build issues, for example.

Table 1. Summary of Intel Accelerated DSP Software Open Issues

2.1 IXA00365440 - ADS1.1: RFC3550 for RTP is not supported in ORTP version 0.15.0

Title	ADS 1.1: RFC3550 for RTP is not supported in ORTP version 0.15.0
Reference #	IXA00365440
Description	The ADS reference applications have been compiled and tested against ORTP version 0.15.0. This version implements RFC 1889 for RTP.
Implication	To support RFC3550 for RTP the ADS Reference Applications need to be compiled against a version of ORTP that supports RFC3550.
Resolution	|
Affected OS	|
Driver/Module	General

2.2 IXA00365448 - ADS 1.1.: Unexpected behavior when changing AEC tail length

Title	ADS 1.1: Unexpected behavior when changing AEC tail length
Reference #	IXA00365448
Description	When setting the AEC tail length, certain test equipment gives inconsistent results when changing loopback delay.
Implication	AEC is highly dependent on the hardware/software platform and test environment. To fully understand AEC behavior under multiple test conditions, specialized AEC test equipment is required. Certain equipment can test AEC integration but it is unsuitable for a full characterization of AEC behavior.
Resolution	|
Affected OS	|
Driver/Module	General

2.3 IXA00367084 - Tone mixing not working in ADS 1.1

Title	Tone mixing not working in ADS 1.1
Reference #	IXA00367084
Description	Tone mixing does not work in ADS 1.1. All tones are overwritten onto the audio stream, rather than being mixed with audio stream, regardless of tone parameters (mixing or overwrite). As a result, tones such as call waiting, are overwriting the audio stream (the tone on, and the tone off (silence) part), for as long as the call waiting condition exists. This means that the caller does not hear the remote party for as long as the call waiting condition exists.
Implication	Call waiting and other audio tones cannot be mixed with an audio stream. The local caller cannot hear the remote party when the Call Waiting condition exists, and tone is being played. The Call Waiting tone should be mixed with audio stream, rather than overwriting stream.
Resolution	|
Affected OS	|
Driver/Module	Not Applicable

3 Resolved Issues - Common

NA

4 Related Documentation

The following documents provide more information about the software provided in this release:

Document Name	Document Number
Intel® Accelerated DSP Software API Reference Manual	323036
Intel® Accelerated DSP Software User Guide	323037
Intel® Accelerated DSP Software Programmer's Guide	323038

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