
Processor SDK Audio

Release Notes

Release: Alpha-6
Revision: 0.10
Publication Date: 24 July 2017



Texas Instruments, Incorporated
20450 Century Boulevard
Germantown, MD 20874 USA

VP00102-Form-1
Revision F

Contents

- Overview..... 1
- Label and Version Information for the Release 1
 - Software Label Information..... 1
 - Hardware Support 1
 - Operating System Support 1
- New and Updated Features..... 2
 - New Features..... 2
- Known Issues 2
- Licensing..... 2
- Delivery Package 2
 - Directory Structure 2
- Required Compile Tools..... 3
 - Tools Supplied by Texas Instruments..... 3
 - Tools Not supplied by Texas Instruments 3
- Installation Instructions..... 3
- Customer Documentation List 3

© Copyright 2013 Texas Instruments, Inc.
All Rights Reserved

NOTICE OF CONFIDENTIAL AND PROPRIETARY INFORMATION

Information contained herein is subject to the terms of the Non-Disclosure Agreement between Texas Instruments, Inc. and your company, and is of a highly-sensitive nature. It is confidential and proprietary to Texas Instruments, Inc. It shall not be distributed, reproduced, or disclosed orally or in written form, in whole or in part, to any party other than the direct recipients without the express written consent of Texas Instruments, Inc.

Processor SDK Audio for Alpha-6

Overview

This document provides information on the features, functions, delivery package, compile tools, and licensing incorporated in the following release of software: Alpha-6. It includes a list of the known issues that are present at the time of this release.

Label and Version Information for the Release

This release supports the following software and hardware versions.

Software Label Information

Table 1 lists the software label and code versions applicable to this release.

Table 1 Labels and Versions Supported by this Release

Release	Label/Version Information
PASDK	PASDK_1.0.0.4/1.0

Hardware Support

This release is supported on the following hardware platform:

- Mistral K2G Rev. D EVM (SPRW274).
- Mistral K2G EVM Audio Daughter Card Rev. B (SPRW279).
- MDS HSR41P HDMI Repeater module Rev. A.
- MDS DA10X Interface board (IFB) Rev. A.

Operating System Support

This release is supported on the following operating system version:

- SYS/BIOS 6.45.01.29

New and Updated Features

This release provides support for the following new and updated features.

New Features

The following new features are supported in this release.

- This is the alpha release of DTSX/PARMA initial integration on K2G.

Known Issues

The following is a list of all known issues:

- Very limited listening tests are done for the release.

Licensing

See the provided Software Manifest for licensing information (see Table 5 at the end of this documentation).

Delivery Package

The delivery package from Texas Instruments will be delivered as a self-extracting executable. The PASDK package installer: **processor_audio_sdk-DA10x-01.00.00.04-Windows-x86-Install.exe**. PASDK is released as source code.

Directory Structure

The following directories and/or components are included in the processor_audio_sdk_1_00_00_04 package directory.

- docs\ [documentation]
- pasdk\ [PASDK]
 - common\ [Common code between DSP and ARM apps]
 - paf\ [PASDK OS dev]
 - shared\ [DSP and ARM shared IPC and memory configurations]
 - test_arm\ [ARM application]
 - test_dsp\ [DSP application]
- psdk_cust\ [TI PrSDK packages customized for PASDK]
 - ipc_3_43_00_00_eng\ [Customized IPC release 3.43]
 - libarch_k2g_1_0_1_0\ [Library Architecture and Framework]
 - pdk_k2g_1_0_1_2_eng\ [Enhanced PDK K2G release 1.0.1]

- scripts\ [Build scripts]
- tools\ [Alpha communication tools]
- pasdk_fd_da10x_01_00_00_04.zip [FD package]

Required Compile Tools

Specific tools and patches must be used to compile and/or deploy Texas Instruments software. Texas Instruments cannot guarantee product performance when other tools are used.

Tools Supplied by Texas Instruments

- Code Composer Studio 6.1.2.00015 for Windows
- C6000 v8 Compiler Tools: 8.1.0
- C6000 v7 Compiler Tools: 7.4.4

Tools Not supplied by Texas Instruments

- GNU ARM Tools 4.8.0.2014q3-20140805

Installation Instructions

See the PASDK Setup Guide (doc. 1) for installation instructions and implementation guidelines.

Customer Documentation List

Table 2 lists the documents that are accessible in the package.

Table 2 Product Documentation included with this Release

Document #	Document Title	File Name
1	PASDK Setup Guide	docs/PASDK_setup_guide.pdf
2	ASP Example	docs/DA10x_UG_AspExample.pdf
3	TI_PA Filter Library/Framework (FIL)	docs/pa-asp-fil.pdf
4	Creating new ASP algorithms using FIL	docs/pa-fil-fe.pdf
6	Pre-Release DA10x Processor Audio SDK Manifest	DA10x Processor Audio SDK_01.00.00.04_manifest.html