



Release Notes for SHARC® Audio Module Bare Metal SDK 2.0.0

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1 Introduction

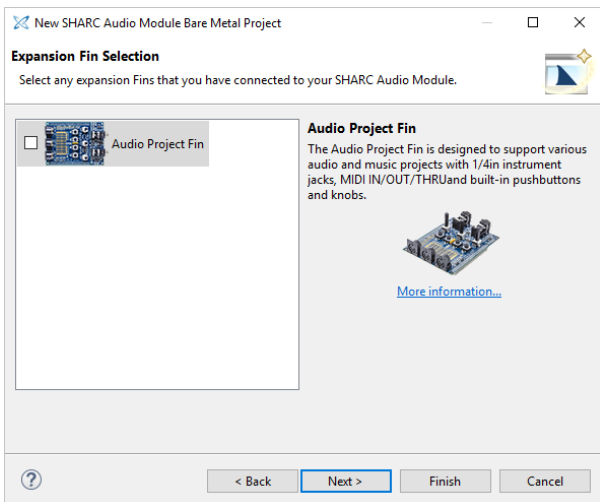
This document describes information for users of the **SHARC Audio Module 2.0.0** release. For information regarding installation, system requirements and support please visit <http://analog.com/sharcaudiomodule>.

2 New and Noteworthy

This release provides software that supports the SHARC Audio Module [main board](#) and [Audio Project Fin](#). To get started using the SHARC Audio Module Platform to enable project prototyping, development and deployment of audio applications, please visit <http://analog.com/sharcaudiomodule>. The provided bare metal framework software is a light-weight C/C++ framework designed for efficient audio signal processing using the ADSP-SC589 processor on the SHARC Audio Module main board.

2.1 SHARC Audio Module Bare Metal Project Wizard

A new project wizard has been added to simplify and accelerate the customer experience in getting up and running with their bare metal project. The wizard provides access to some of the many options that can be configured for each project. More advanced options can be changed directly in the `audio_system_config.h` file, as described in the **Configuring the Framework** section of <http://analog.com/sharcaudiomodule>.



3 Support

For questions and feedback surrounding the SHARC Audio Module, please visit the [SHARC Audio Module EngineerZone®](#) page.

4 Known Issues

4.1 Using Faust with the SHARC Audio Module

Although there is mention of Faust in some of the current documentation, Faust support is not fully completed at this time but is planned in a future release. Faust support should be considered a Beta version in this initial release.

4.2 Issues connecting to the SHARC Audio Module with the emulator

In order to test our boards, we run a Power On Self Test (POST) that boots from the SD card. At certain points during the booting process, the emulator has difficulty breaking in and gaining control of the processor. It is recommended to keep JP1 uninstalled in order to connect reliably at this time.

4.3 A2B® Class-D Amplifier Module

Although there is mention of the A²B Class-D Amplifier module, this product is not currently released. Stay tuned for the official release of this module!