

Introduction

This sample code demonstrates how to use USB audio 24 bit demo.

Note: This sample code is written based on Artery's V2.x.x BSP. For other versions of BSP, users should pay attention to the differences in use.

Applicable products:

Product series	AT32F415xx
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List of major peripherals used:

Peripherals	OTG
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1 Quick start

1.1 Hardware resources

- 1) AT-START-F415 V1.0 evaluation board (use evaluation board corresponding to specific product series)
- 2) AT32-Audio-Ev v2.0 evaluation board

Figure 1. AT-START-F415 V1.0 evaluation board

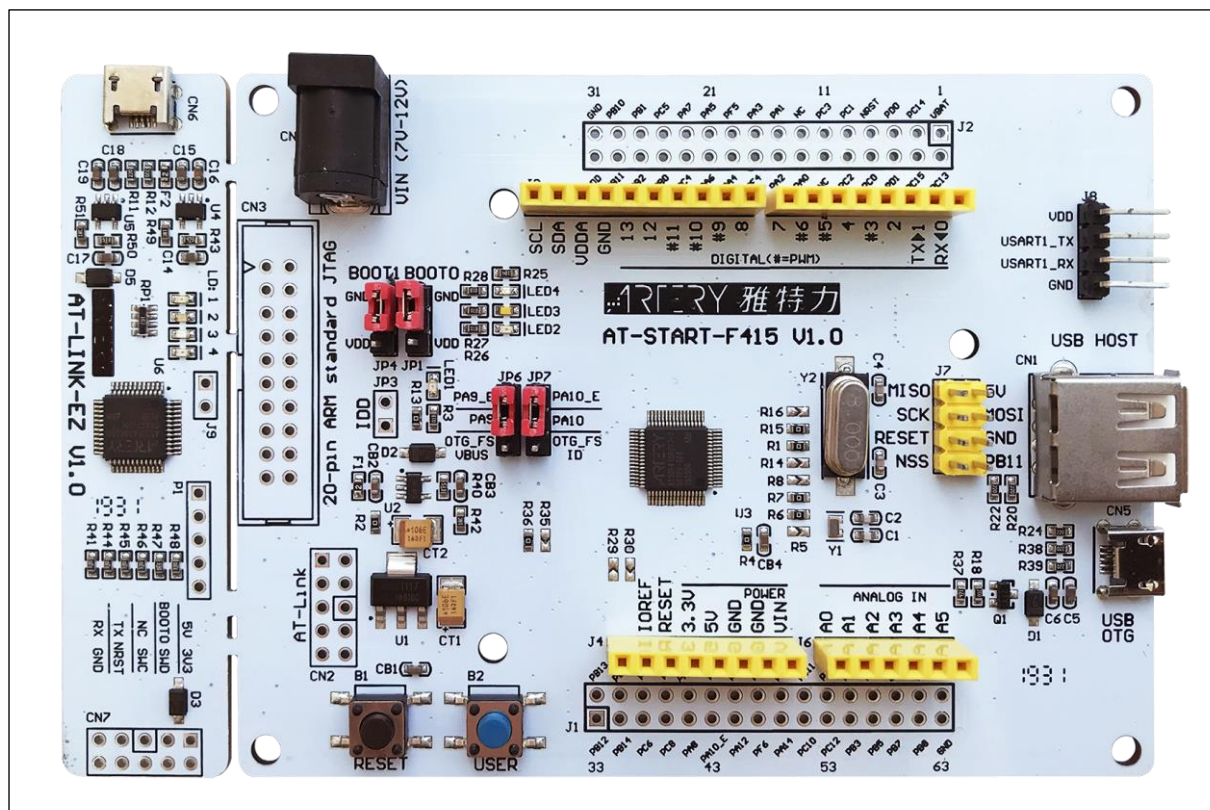
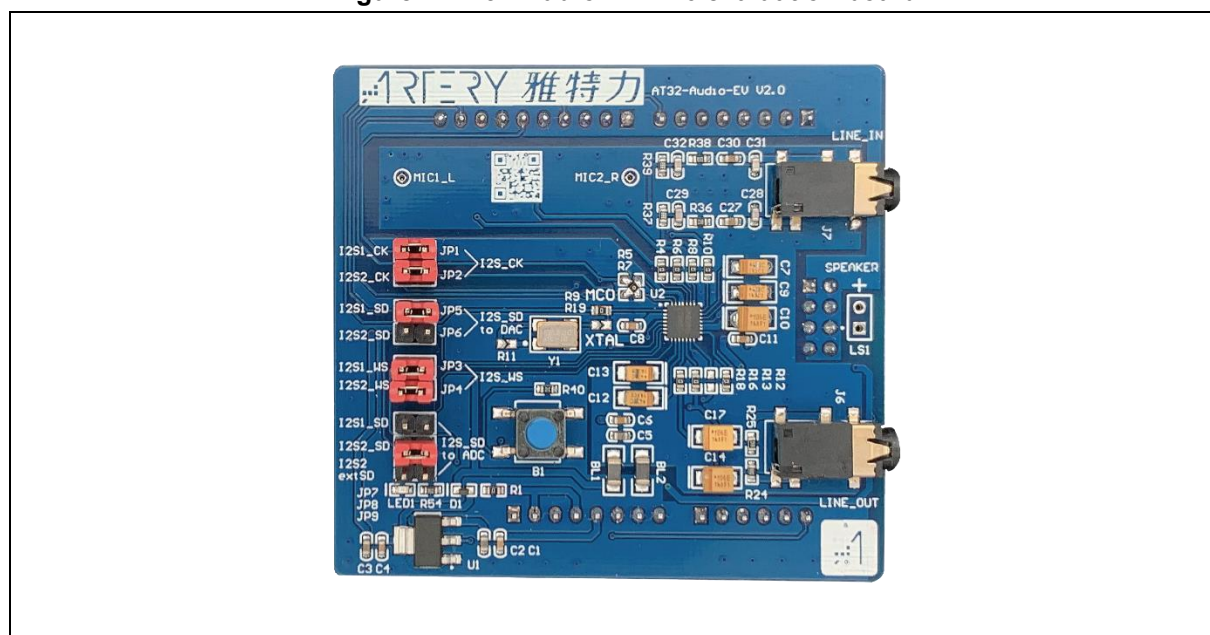


Figure 2. AT32-Audio-Ev v2.0 evaluation board



1.2 Software resources

- 1) SourceCode
 - Audio 24bit

Note: All of projects are built based on Keil 5. For the need to run them in other compiling environments, user can make simple adjustments according to AT32xxx_Firmware_Library_V2.x.x\project\at_start_xxx\templates.

1.3 Example case

- 1) Open “Audio 24bit” project, download it to the evaluation board, and connect USB on the evaluation board to PC. Then an audio device will appear under
- 2) PC device manager to be used for music playing.

Figure 3. Device enumeration on PC side



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
2022.04.13	2.0.0	Initial release

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