

## AT32F4xx PWM WAV Audio Signal Output

## Introduction

This sample code demonstrates how to use PWM to output WAV audio signals for AT32F4xx series.

*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	AT32Fxx series
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List of major peripherals used:

Peripherals	TMR2, TMR3
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# 1 Quick start

## 1.1 Hardware resources

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

## 1.2 Software resources

- 1) Source code
  - AT32F4xx\_PWM WAV audio output

*Note: All of projects are built based on Keil 5. For the need to run 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 AT32F4xx\_PWM WAV audio output source code, compile and download it to the evaluation board
- 2) PWM audio signals are output via pins.

## 2 Revision history

Table 1. Document revision history

Date	Revision	Changes
2021.12.13	2.0.0	Initial release

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