

AT32 MCU LVGL Music Demo

Introduction

This sample code is written to demonstrate how to use LVGL V8.3.5 official music demo

Applicable products:

Product series	AT32F403Axx
	AT32F407xx

List of major peripherals used:

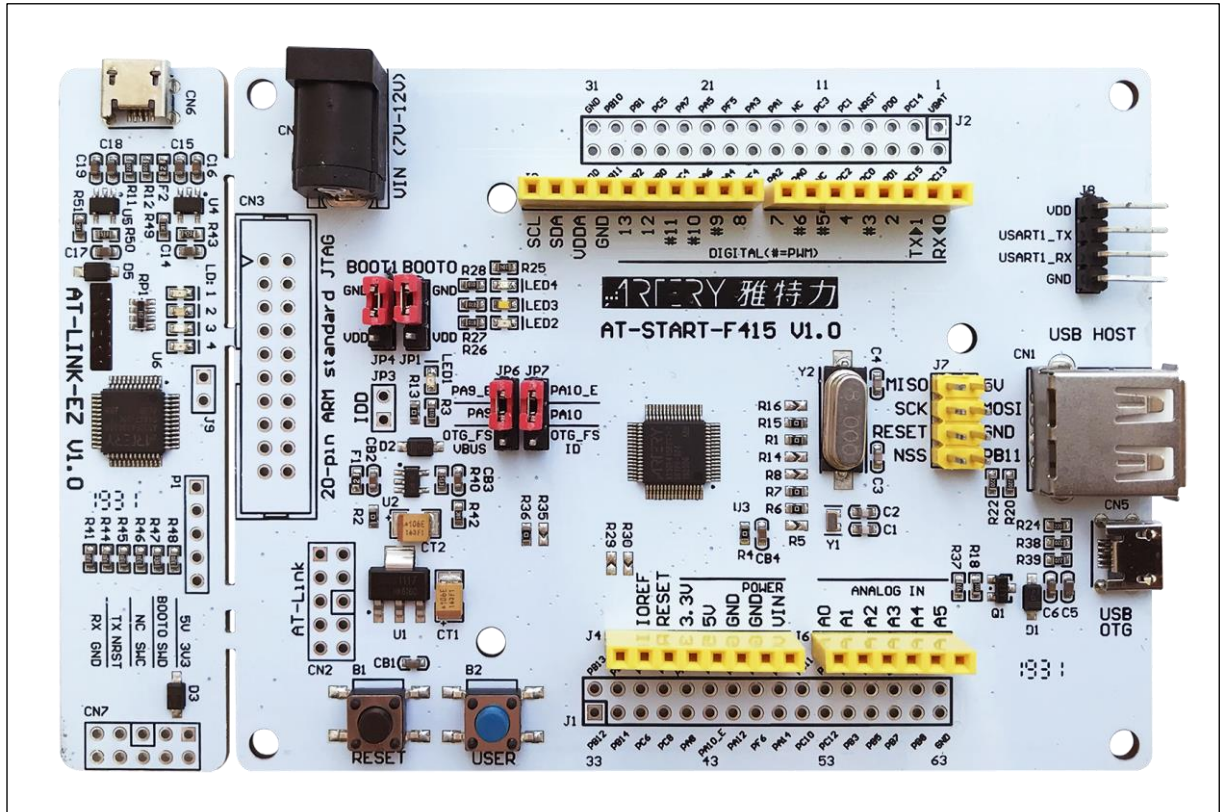
Peripherals	USART
	GPIO
	XMC
	DMA
	TMR

1 Quick start

1.1 Hardware resources

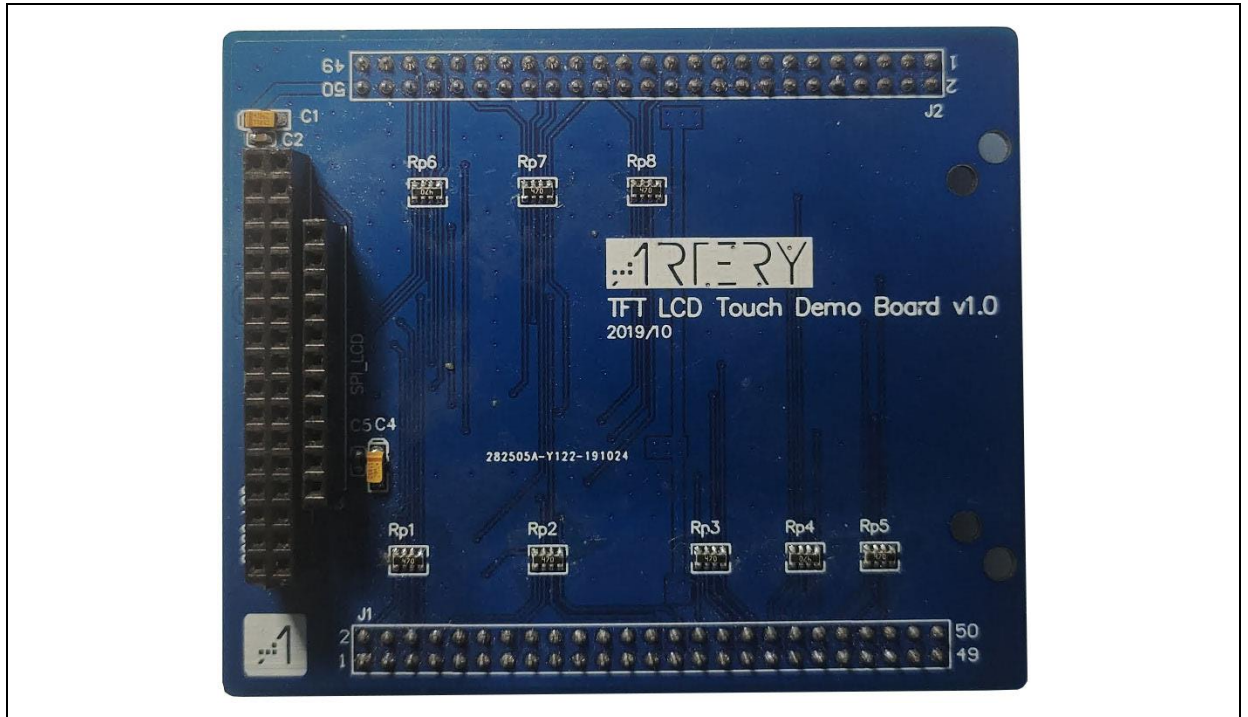
- 1) AT-START-F403A V1.0 evaluation board

Figure 1. AT-START-F403A V1.0 evaluation board



- 2) AT32 official TFT LCD Touch DemoBoardv1.0

Figure 2. TFT LCD Touch DemoBoard



3) ALIENTEK 2.8' TFTLCD

Figure 3. ALIENTEK 2.8' TFTLCD



4) Or, ALIENTEK 4.3' TFTLCD

Figure 4. ALIENTEK 4.3' TFTLCD



5) PA9 / PA10 is used as USART_TX / RX

1.2 Software resources

1) SourceCode

■ SC0077_SourceCode

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

AT32F403A_407_Firmware_Library_V2.x.x/project/at_start_f403A/templates

1.3 Example case

1) Open **SC0077_SourceCode**, select LCD module as a target, compile and download it to the evaluation board

Figure 5. Target selection

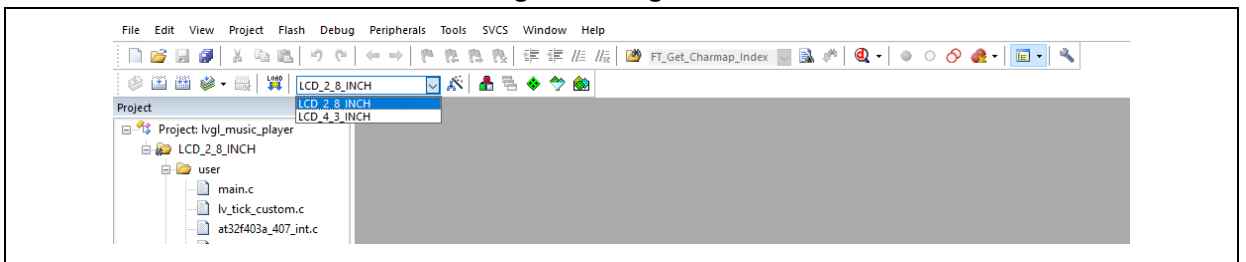
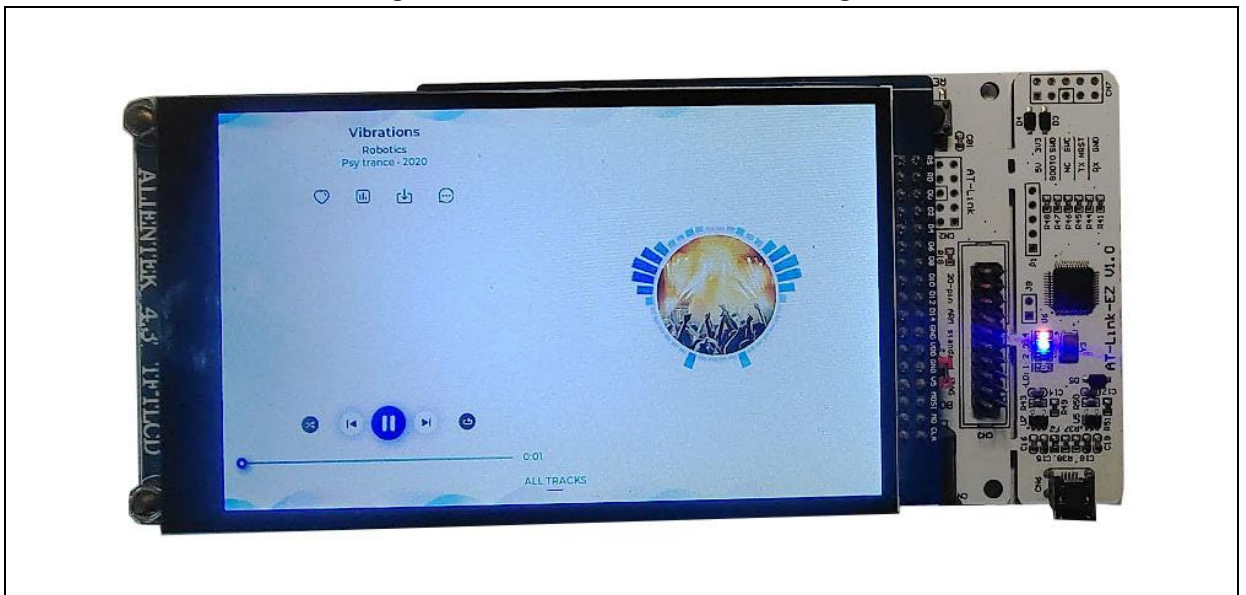


Figure 6. Module 2.8 inch LCD running result



Figure 7. Module 4.3 inch LCD running result



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
2022.01.06	2.0.0	Initial release
2023.02.23	2.0.1	Added 2.8-inch LCD module description

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