



CRY578 Bluetooth LE Audio Interface

Introduction

The CRY578 Bluetooth LE Audio Interface is specifically designed for Bluetooth audio and UI testing. It supports Bluetooth v5.4 and LE Audio features. It is suitable for use in R&D laboratories as well as production line testing. The device can be used together with the CRY6151B Electroacoustic Analyzer, or as a standalone module in combination with other testing equipment, such as APx500 and Soundcheck. Users can control the CRY578 Bluetooth LE Audio Interface using the Sonolab software or the dedicated CRY578 tool software to searching, pairing, connecting, playing audio, and recording, etc.

Main Application Scenarios

- Automotive Applications
- Headphones / Headsets
- Speakers
- Hearing Aids

Highlights

- **Support LE Audio**

Supports Bluetooth v5.4, including classic audio and LE audio(unicast and Auracast) features.
- **Multi-Headphone Solution**

Compatible with various Bluetooth chip solutions, offering fast connection and high efficiency.
- **Multi-Codec Solution**

Supports multiple codec such as SBC, LDAC, AAC, LC3, aptX.
- **Multiple Interfaces**

Supports UAC audio data transmission, line in/out, and S/PDIF interface.
- **Multi-Communication Methods**

Supports SPP, HID, and serial communication.
- **Subjective Listening Test Support**

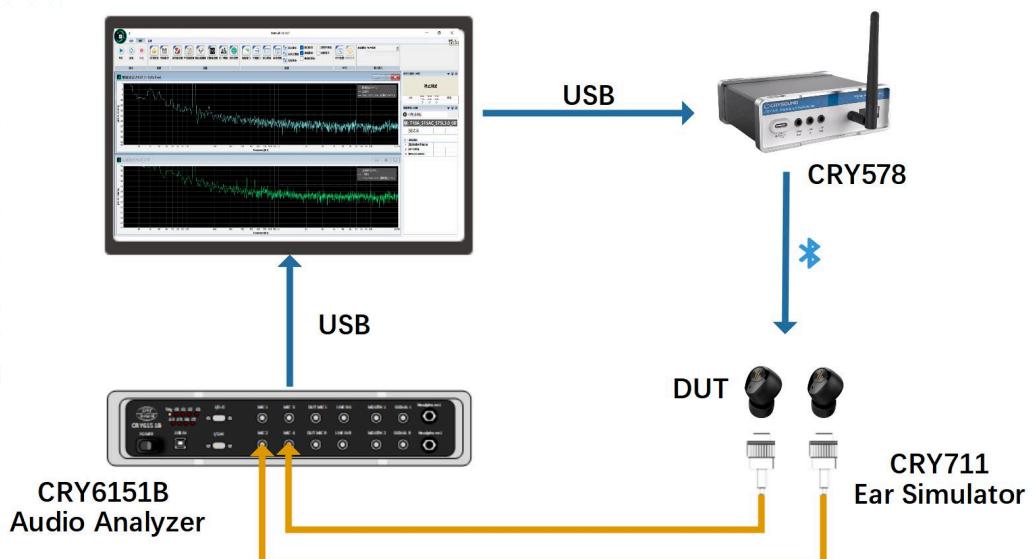
Supports recording, playback, and listening tests with song switching, volume control, and pause/answer functions.
- **DFU Upgrade**

Supports remote firmware upgrades via the DFU protocol.

Technical Specifications

Bluetooth Version	v5.4	A2DP Sampling Rate	96 kHz, 48 kHz, 44.1 kHz, 32 kHz, 16 kHz
Bluetooth Mode	Source	HFP Sampling Rate	16 kHz, 8 kHz
Codec	SBC AAC aptX LDAC LC3 CVSD mSBC	Interface Type	USB-C, Line in/out, S/PDIF in/out
		Communication Method	UART, HID
		RF Interface	SMA
		RF Output Impedance	50 Ω
		Dimension	125mm x 66mm x16mm (without antenna)

Application Diagram



Compatibility with Testing Software

