EWT104-BT62SP User Manual

Bluetooth Audio Transceiver Module Test Kit



Chengdu Ebyte Electronic Technology Co.,Ltd.

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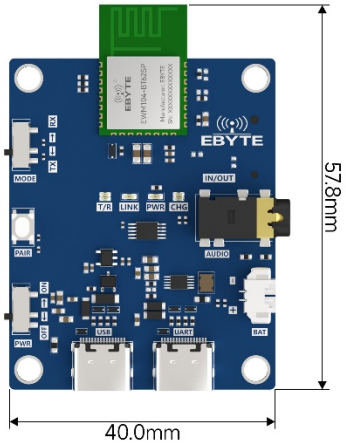
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1 Overview

1.1 Product Introduction

The EWT104-BT62SP is a Bluetooth test kit based on the EWM104-BT62SP module , which can significantly reduce the user's development cycle. For detailed information about the EWM 104- BT6 2SP , please visit the official website to download relevant documentation for this model .



1.2 Product Features

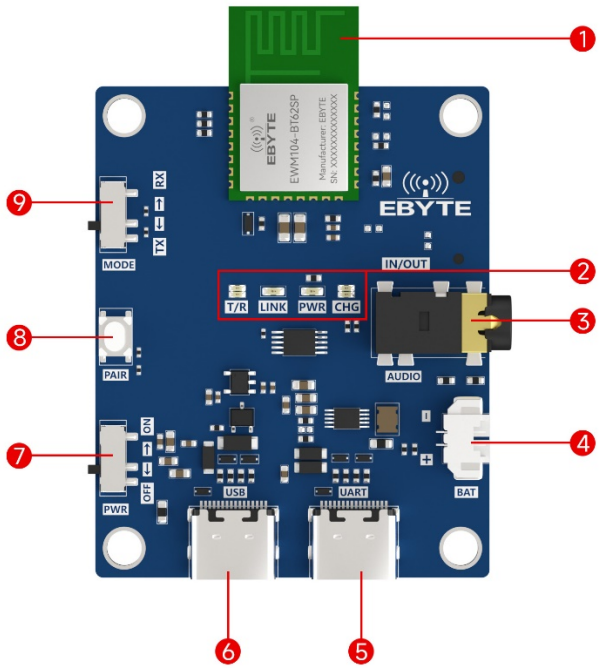
- Supports Bluetooth 5.3 ;
- Supports Bluetooth audio reception.
- Supports Bluetooth audio transmission ;
- It provides a 3.5mm AUX interface and USB sound card audio input;
- EWM104-BT61SP has been pre-welded;
- The maximum transmit power is 6 dBm;
- Provides a TF card slot;

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2 Hardware Description

2.1 Interface Description



No.	Label	Name	Illustration
1	EWM104-BT62SP	Module	Pre-welded modules
2	T/R	Mode indicator light	In transmit mode, the green light is on; in receive mode, the red light is on. When Bluetooth is not connected or is connecting: the red or green light flashes rapidly and evenly. When Bluetooth connection is successful: the red or green light flashes twice every 5 seconds;
	LINK	Connection indicator light	The Bluetooth light stays on when connected and turns off when not connected.
	PWR	Power indicator light	Power on and green light
	CHG	Charging indicator light	Power on without lithium battery inserted: Red and green colors flash alternately. When a lithium battery is inserted: the circuit is turned off. Charging: Red light on Fully charged: Green light illuminates

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3	IN/OUT	Audio input/output interface	3.5mm standard AUX audio input/output jack
4	BAT	Lithium battery power supply interface	Connect to external lithium battery
5	UART	Debug serial port	USB-Type-C interface, used for serial port debugging, can provide power.
6	USB	sound card input	The USB Type-C interface is used for sound card input and can provide power.
7	PWR	power switch	ON: Power on; OFF: Power off
8	PAIR	Pairing button	When Bluetooth is already connected: A short press disconnects the current connection and prompts the system to search for and pair new Bluetooth devices.
9	MODE	Mode Selection	TX: Transmit mode; RX: Receive mode

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3 Quick Use

3.1 Bluetooth audio transmission

Set the MODE switch to transmit mode, turn on the Bluetooth headset or speaker to enter Bluetooth pairing mode, wait for automatic connection , the LINK light will light up after successful connection, and then the T/R green light will flash twice every 5 seconds, and you can directly send and play audio .

3.2 Bluetooth audio receiver

Set the MODE switch to receive mode, open your computer or mobile phone, search for the Bluetooth name "ebyte_bt_emitter_xxxx" and connect. After successful connection, the LINK light will light up, and then the T/R red light will flash twice every 5 seconds, indicating that you can directly receive Bluetooth audio.

3.3 SD Card Audio Playback

Insert a TF card (micro SD card) to store audio. Audio playback can be controlled via AT commands. Supported audio formats include: MP3, G729, WMA, MAV, SBC, and CVSD.

3.4 Lithium battery charging and power supply

It supports external lithium battery power supply and can also charge lithium batteries through any Type-C interface. When charging, the CHG indicator light is red and turns green when fully charged. The charging current is 1A.

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Revision History

Version	Revision Date	Revision Notes	Maintainer
1.0	2026-04-15	Initial version	Lei

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