

## 1. Operation description

CSR8645 is the main control chip of this system, which is responsible for converting the received radio signal to the audio signal. 26MHZ crystal oscillator is to provide the clock work for CSR8645. There are three buttons in this system, whose function is respectively volume increase, volume decrease and ON/OFF. LED light indicates the present working status. Lithium battery provides power supply for CSR8645, which uses internal DC-DC circuit to provide 1.8V and 1.35V respectively for the kernel and peripheral.

Operating Frequency	2402 MHz to 2480 MHz
Type of Modulation:	GFSK, $(\pi/4)$ QPSK, 8DPSK
Number of Channels	79 Channels
Channel Separation:	1 MHz
Antenna Type	Integral antenna
Antenna gain:	2dBi
Bluetooth version	V4.1