

Circuit Description

PAHB-1001-BK is a wireless headphone, using Bluetooth chip AB5605F.

AB5605F is a single-chip flash programmable dual-mode Bluetooth device with integrated application processor, low-power audio DSP, rich peripherals, stereo codec, and linear voltage regulator.

AB5605F contains a 26MHz crystal oscillator. The crystal oscillator provides a clock signal to the chip. The crystal provides a reliable clock source, and then performs frequency division or multiplication of the reference source, and finally obtains the operating frequency of the system.

The working voltage of the chip is provided by a DC 3.7V battery. The LED is a working indicator light. The battery is charged through Micro USB DC 5V. The key switch function can be entered through the key. All audio output is through the speaker line.

Operation Frequency: 2402-2480MHz

Modulation Type:

Bluetooth: GFSK, $\pi/4$ -DQPSK, 8DPSK

BLE 1M: GFSK