

Operation Description

Lithium-ion batteries provide power for Bluetooth chips (AC6919C) and crystal oscillators (24 MHz) provide clock signals for Bluetooth chips. After the product is turned on, Bluetooth chips send 2.4G wireless signals to space.

Bluetooth 2.4G signal is transmitted to the air through matching circuit and to the space through antenna (2402 MHz-2480 MHz).

When the product is connected, the product can communicate with the mobile phone in two directions. Then the Bluetooth module of the mobile phone sends Bluetooth signal to the space, and the product pairs with the successful Bluetooth product to communicate with the mobile phone in two directions. The Bluetooth signal of the mobile phone is transmitted to the Bluetooth chip antenna and matching circuit through the antenna. The Bluetooth chip is converted into audio signal, and the horn is amplified by the power amplifier circuit to output sound.