

# Circuit Description

Model No. : [BTH022](#)

**Basic Description:** Bluetooth requires one of the Bluetooth communication between devices must be a main role, the other one is from the role in order to communicate. Communication must be carried out by the main terminal to find. It initiates pairing, when connected, the two sides can send and receive data. A Bluetooth communication device that can switch between the two roles, usually working in slave mode, waiting for the other main equipment to connect, if necessary, convert the main mode, a call to the other devices. When you want to give a call with the bluetooth device, you need to know each other's Bluetooth address, password and other information. When the pairing is completed, you can directly initiate the call.

U1 is the main chip, which supports the bluetooth profiles HSP, HFP, A2DP and AVRCP. The working frequency is 2402MHz ~ 2480MHz in total of 79 channels. The master crystal frequency is 26.000MHz. There is the charge management in the chip. the battery is charged through 3.5mm Jack.

EEPROM U2, which is used to store software, some IO、LED status, audio and other information also stored in this chip.

High-fidelity music and high-quality call is issued from the speaker unit. It is connected to the speaker through the 3.5mm jack.

The battery is lithium polymer battery 130mAH, It provides power for the product.