

Description of Functional Blocks

1. BLUETOOTH MODULE

The part is a Bluetooth sub-system using BlueCore5-Multimedia External Chipset (BT Chip : [BC57F687A05](#)) from leading Bluetooth chipset supplier Cambridge Silicon Radio. The BT Chip is a single-chip radio and Baseband IC for Bluetooth 2.4GHz to 2.4835GHz systems. Plug-n-Go contains 8Mbits of Internal Flash Memory, the 26.00MHz Crystal Oscillator Offer external reference clock signal for BT Chip. after the Bluetooth module and SMD antenna build the voice link between the external equipment on frequency 2.4GHz to 2.4835GHz by modulation FHSS/GFSK to avoid the interference in the same band with other equipment and make the voice to speaker, Microphone Input voice information.

2. power Management supply for Flash Memory output voltage is 3.3V, and Battery can power supply the whole product.

3. Reset BC part can reset the BT Chip when the USB plug is inserted.

4. Button & LED part give a user interface.