

## Circuit Description

Attached is the drawing of BT200 Bluetooth Handsfree Car Kit.

It consists of Button, Display, Power Supply, Charging, Talking Device (Speaker & Mic), and Bluetooth(Bluetooth Module).

BT200 Bluetooth Transmitter used 2.4GHZ, none-authorization of ISM-frequency microwave transmission, adopted CSR, BC03. 16mhz(9pF,10PPM) crystal oscillator. During voice talking, SPK sound amplified through amplifier will be easy to cause echo and affect the talking quality. So BT200 takes echo disposal. Specified used Software Echo Cancellation (BC03+CVC).

BT200 works with 900mAH Lithium-battery, and reduce pressure to 1.8V & 3.3V to supply to relevant parts(such as audio amplifier, Bluetooth chip) via LDO. While the battery used out, it can be directly charged with common USB which can be charged through computer USB port.

Compare to other Bluetooth devices, the obvious character of BT200 is that the LCD screen can be adjustable. LCD screen can display all the information of coming calls & out calls. All the working status can be finished with the 8 buttons on the product.