

Ferrari 458 Operational Description

The device is a remote control car controlled by mobile phone with Bluetooth function. The device is operating with Bluetooth in frequency range 2402 – 2480MHz and powered by 6.0V (4 AA batteries). Before the operation, download the Apps from play store and open the Apps to link with the device thru the Bluetooth communication. The user will use the mobile phone to control the movement and the lighting effect thru the Bluetooth module on the mobile phone. When the device receive the Bluetooth signal thru the antenna and send the RF signal to the Bluetooth transceiver module, BM57_V2, to decode the Bluetooth signal to send the command to MCU, U1, XXX518 to control the motor and lighting device and send back acknowledgment to the mobile phone to complete the Bluetooth communication.

The Bluetooth module is constructed by the Bluetooth Chipset I81657NM with 16MHz crystal and connect the wire antenna.

The Bluetooth module information:\

Bluetooth Chipset: I81657NM

Bluetooth version: 3.0+EDR

Modulation Type: GFSK, $\Pi/4$ PSK, 8DPSK

Oscillator for Bluetooth Chipset: 16MHz

Antenna Type. Wire antenna