

## One: product appearance description



(1) the touch screen (2) keyboard (3) horn (4) camera (5) touch pen( 6) brace(7) the USB and power jack(8) external GNSS antenna base

Note: In boot state, short click "power key" for the opening and closing backlight operation.

## Two: Booting:

Press the power key for 1 second, into the boot interface (figure 1), after loosening the button ,it automatic loading Windows system, the loading will be finished in about 10 seconds , then get into the Windows Mobile system desktop (figure 2).

## Three : sleep:

Short press the power button for 1 second, into the state of sleep; Press the power button again for 1 second, it wake up.

## Four shutdown:

Long press the power button for 3 seconds, you can see shutdown tip (FIG. 3), click "shutdown", then shut down the instrument



F1 start screen



F2 system desktop



F3 power off

## Five:obtain data

### 1 install Microsoft ActiveSync

From the attached CD (tool software \ connection program \ ActiveSync \), double click MSASYNC45. Exe file, complete the installation according instructions. After installation, in computer "start menu" "program", find Microsoft ActiveSync and run. In the menu "connection Settings", set "allow the USB connection" (figure 4).

### 2 Hardware connection

After booting, use USB cable to connect the instrument with computer (figure 5).



F4 : Set connection program



F5:connecting

### 3 software connection

Cable connection, computer Microsoft ActiveSync tips connecting, then will pop up synchronous setup wizard, choose "cancel" can.

### 4 download data

Click on the Microsoft ActiveSync "browse" button, open my Windows mobile devices, "into the NandFlash related , copy data to the computer can.

Note: data or newly installed software must be in NandFlash or MicroSD card, otherwise after restarting, it will be lost.

## Circuit Description

This product is handheld survey device with bluetooth communication module, the master control chip is S3C2440 with a external 12MHz oscillator, and it is wireless communication between the external terminal through bluetooth wireless transmission technology, and it is connected to PC through USB port. For the bluetooth module, the transmission data modulated the MCU(DSP which gets a digital modulation then passing through the MCU, working with 60MHz crystal for producing a signal to the RF module circuit carrying wave amplified by the amplifier and filter circuit unit, through the antenna then transmit out as 2402MHz to 2480MHz

1. DSP is the main functional control center, working with 60MHz crystal, deal with function control and other atate indication.
2. Tine frequency is a multiplied frequency to produce a extract HF signal.
3. RF module is used for producing digital modulation FHSS, GFSK type.
4. The circuit with LCD display and touch panel function.