

## **Circuit Function Description**

1. MCU & RF : responsible for communication with receiver.
2. Powered by 1 PC 12V battery.
3. When press UP button, circuit will create a start signal to power control unit to switch on power, circuit begin to work. Meanwhile MCU send on signal to power control unit to keep power on and keep different functions. At this time, MCU will check Button code value and then send to the circuit, which create 433.92 MHz high frequency signal, and send out Button code value from Antenna.
4. When press DOWN button, MCU will send OFF signal to power control unit to shut off power.
5. RF crystal frequency is 433.92 MHz.
6. The device use an fixed antenna, which resistance is  $5 \Omega$ .