

Circuit schematic description

The KF0313 IC is main control chip of the system, the main control chip to protect the 8bit microcontroller and 2.4G RF. The 2.4G RF needs external 16MHz crystal oscillator and matching circuit of the antenna part, The antenna adopts 33mm long electronic lines.

The collator data come from the main control system is transmitted through 2.4G RF chip.

The power supply is 3 section dry battery power, the linear regulator chip provides 3.3V voltage to each part. When the key button is pressed, the voltage value is different, the main control system identify different keys by the different voltage value.

When the joystick slips, its resistance value varies accordingly, the main control system identify different keys by the different voltage value.

Low voltage detection and LED lights share a IO port, LED light is controlled by high and low level, When the IO port is low level, low voltage detection can be carried out.

The buzzer is driven by a triode, when IO port output PWM, the buzzer will ring.