

# Model: ST2RF ,

## Theory of Operation

### Transmitter:

It is a simple RF transmitter, which mainly divided into 5 sections.

1. Input Keyboard: for selecting the zone and time, which will be detected by the MCU.
2. Power Control: once the any key was pressed, the MCU will be active and the LED will be turn on.
3. Speaker: used to indicate the key press and the RF transmission.
4. MCU (S3C9234): used to send RF code, control speaker, power control and key scanning.
5. 433.9MHz Transmitter section: It's a simple RF oscillator, which will active when the code is coming.

SAW 1 & Q6  
433.92MHz