

Block diagram description

Transmitter block diagram

This part is mainly controlled by MCU ZPD0070, Status LED is used to indicate the Transmitter working status, Comb Key is used to detect the Comb Key on the controller, Signal Emendation is used to detect Transmission Frequency Deviation, Oscillate is used to detect High Frequency Oscillation Signal, Mixer is used to detect Signal Emendation & High Frequency Oscillation Signal, RF Amplifier is used to detect Modulate Signal, the Battery is for power supply.

The working theory as below:

MCU ZPD0070 detect Comb Key message then transmit Data Controller, meanwhile Modulate Signal is load to High Frequency Oscillation Signal, then Data Controller transmit to RF Module(High Frequency Power Amplifier), finally transmit out by RF Module.