Circuit description

Transmitter circuit description

This part is mainly controlled by Control Center, Key & VR is used to detect the key & axes on the controller, LED is used to indicate all kinds of working status ,the vibration message from the host is reacted by Motor Vibration, the RF signal is transmitted & received by RF Module ,Data and Voice RF Controller is used to control the RF signal of the data(key & motors) & invoice, voice Code is used to encode & decode the voice, Power Modulation is used to regulate the power which is provided from battery, then output to all the circuit .Battery is for power supply, the working theory as below:

Control Center detect Key & axes message then transmit to Data and voice RF controller, meanwhile Voice Code will encode the Voice signal from Headset then transmit to Data and voice RF Controller, then Data and voice RF Controller transmit to RF Module, finally transmit out by RF Module, meanwhile RF Module will pass the message of the motor vibration & Voice from Receiver to Data and voice RF Controller, Data and voice RF controller will encode Voice message then pass to Headset, you can hear other partner’s voice , at the same time Data and voice RF Controller will encode the motor vibration message & transmit to Control Center, Control Center turn on the Motor Vibration circuit &vibrate the motors. At the same time, MCU will control LED display which will indicate all kinds of working status.