

# HELMATET COMUNICATION SYSTEM D01 Circuit

## principle Description

### 1. Main PCB part

U5 BC5MM From main PCB is a bluetooth stereo chip,it include RF 2.4G HZ transmit,audio product,logic control(e.g:key S1 and S2 control ,LED D2 setting ,battery volume detection,),1.8V dc to dc output..U3 is a 8M Flash storaging the application soft.,X1 is a 16M crystal ,it make the U5 producting working frequency,.U2 is a 3.3V LDO, It supply the power to U3.D4 is a balun,it insure the 2.4G pure.E1 is a 2.4G antenna.mic2 supply a audio inputing to U5.Q1,Q3 control the battery supplying power to subsidiary PCB.

### 2.Subsidiary PCB part

U1 is a charger IC for battery charging .D1 is a charging indication LED.U2 is a audio amplifier IC, Amplify the audio from main PCB to speaker.