

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 storing the application soft., X1 is a 16M crystal, it make the U5 producing 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.