

## Operation description

This system support two kinds of signal inputs, the first type is the ON/OFF switch to the USB mode. The audio signal inputs from the mini USB interface pass to the VR1 volume potentiometer and moves to the C4, R1, R3, C6 into the power amplifier IC (U2). The amplified signal is then pass to FB1 and FB2 before connecting to the speaker.

The second type is the ON/OFF switch to the BT mode, the audio frequency is received by the Bluetooth module U3, and pass to C16, C19, R11, R12. It is sent to the VR1 and pass through C4, R1, R3, C6. It is amplified at the amplifier IC (U2) and connects to FB1 and FB2, before connecting to the speaker.

The electricity source is provided by the 3.7V 600mAH lithium battery. The IC U1 is the IC managing the charge. The electrical current of the Lithium battery is 200mA. The system use the mini USB interface to charge or standard 5V current from power adapter.