

The brief introduction of the circuit of the Speaker BigBlue

Main unit

- 1 · Power adaptor used for AC 100-240V to DC18V , supply to Bluetooth Module and Touch Keys 3.3V by Voltage Regulator,18V supply Power Amplifier NTP8230 U2.
2. U6 Stereo A/D Converter.
3. U7 used Linear Regulator 5.0V output .
- 4.U8 used Linear Regulator 3.3V output .
5. U10, is OpAmp for analog amplifier.
6. U2 is Class D amplifier NTP8230 , used for drive the speaker.
7. U3 U4 is Audio signal selector.
- 8.U1 Touch Keys for Volume up and down.
9. Q4 Q12 is Lighting Dimmer Control.
- 10.Q13 Q16 supply to Bluetooth Module and Touch Keys 3.3V.
- 11.Q17 Q18 supply to Power Amplifier NTP8230 3.3V.
12. The crystal is 12.288MHz and the antenna is internal,the antenna gain is 1.0 dBi.