

Transmitter Operation Description

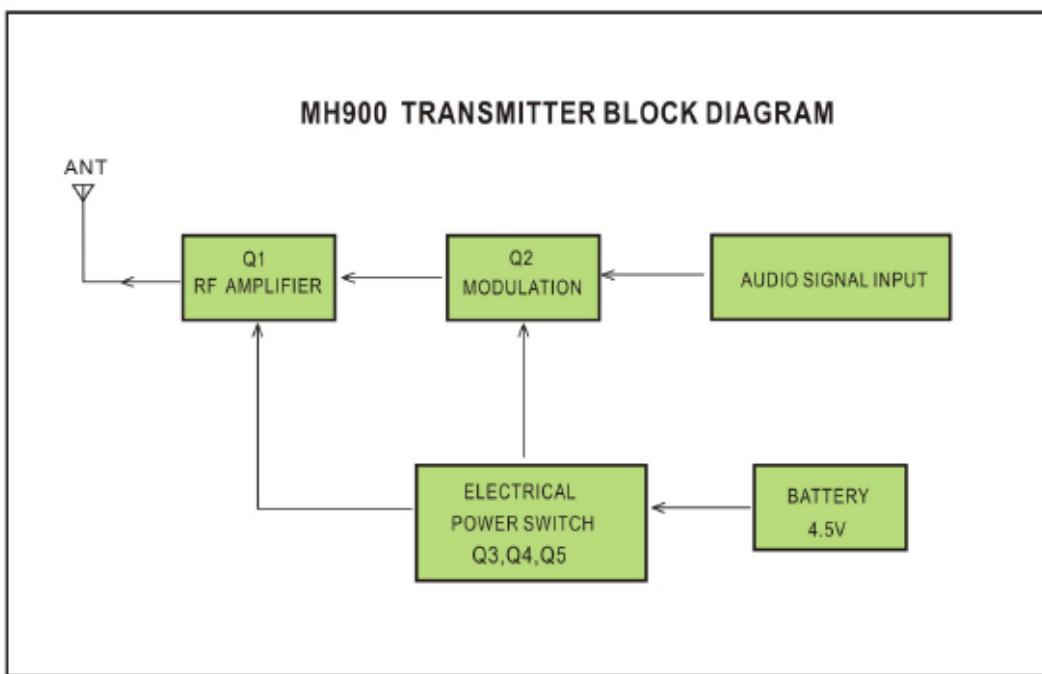
1. System Introduce

MH900C wireless Speaker include transmitter and receiver (FM radio). The transmitter can be connected to audio device (such as iPod/MP3/MP4/CD/VCD/DVD/TV, etc.) You can enjoy the music by the receiver (FM radio) at home.

Transmission Frequency: 88.3MHz

Modulation Type: FM

2. Transmitter Structure



The transmitter system is consist of electrical power switch circuit and OSC circuit with modulation and RF amplifier circuit.

2.1 Electrical power switch circuit

The electrical power switch circuit includes the transistor Q3, Q4, Q5 and correlative peripheral components.

2.2 Modulation Circuit

The modulation circuit include the transistor Q2 and correlative peripheral components. The audio signal through C16, R3 to Q2 and generate the FM modulation signal.

2.3 RF amplifier circuit

The RF amplifier circuit include transistor Q1 and correlative peripheral components. The modulation signal through the coupling coil T1 to transistor Q1 and transferred to antenna after amplifier.