

# Transmitter Operation Description

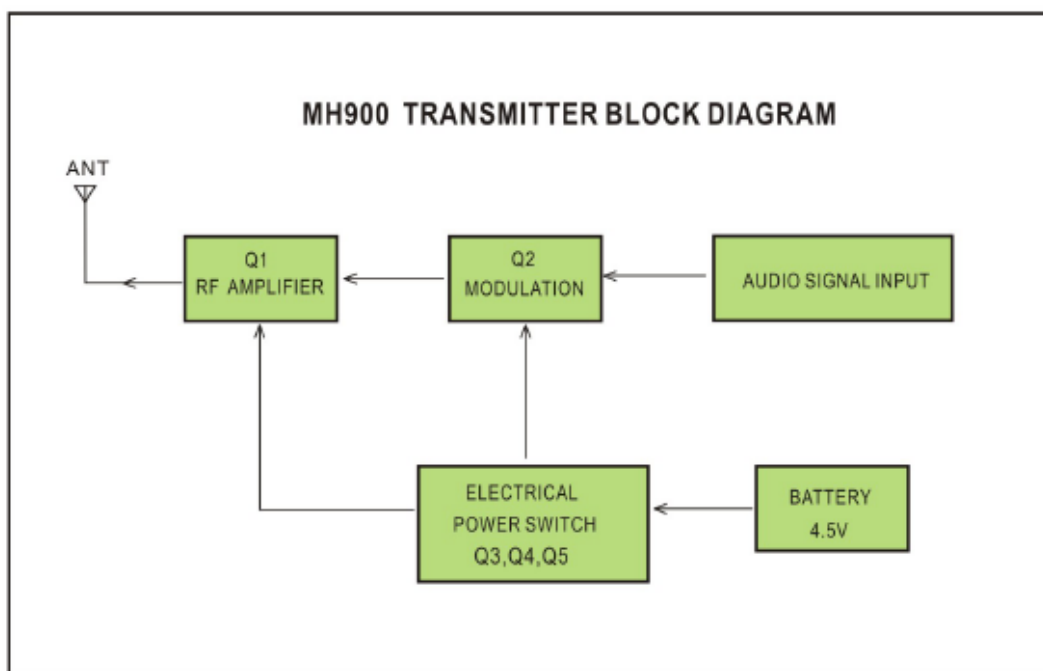
## 1. System Introduce

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.