

Operation Description (FCC ID: SXX-KTS1057)

This product is a Bluetooth speaker, model: KTS-1057, function including USB/TF Card playing, FM radio (RX only), Bluetooth playing. It is powered by a built-in 3.7v lithium battery, or Micro USB port.

U4 (AC6925B) is the product bluetooth chip functions include: bluetooth connection, audio decoding, LED control.

U6 (LPA2172) is a class AB optional power amplifier.5 v working voltage, maximum drive power is 5 w (2 Ω BTL load, THD < 10%), the total harmonic distortion of noise in the audio range to be less than 1%;

U5 (CH4054) is a lithium battery battery constant current constant voltage linear charge management chip

Note: USB port without data transmission function.

Technical Description

The function of main IC is mentioned as below:

1. U6 (LPA2172) acts as AMP chip.
2. U5 (CH4054) acts as power management chip.
3. U4 (AC6925B) acts as bluetooth chip.
4. Y1 acts as 24MHz crystal for U4.

Technical parameters

Bluetooth Version	: V4.2 (BDR+EDR)
Frequency Range	: 2402-2480MHz
Modulation	: GFSK, $\pi/4$ -DQPSK
Number of Channel	: 79
Channel space	: 1MHz
Date Rate	: 1Mbps for GFSK 2Mbps for $\pi/4$ -DQPSK
Antenna Type	: PCB antenna
Antenna Gain	: -0.68 dBi (Declaration by manufacturer)