

Operational Description

Power support:

The transmitter is fed by 8x1.5AA battery.

Antenna:

This transmitter has adopted a rotatable DT/ IPEX antenna, and one common stranded wire is used as antenna for the receiver.

The transmitter has adopted the efficient frequency-hopping technique, with strong abilities to anti-interference. It randomly choose unoccupied frequencies during frequency rang of 2405-2480MHz, frequency hopping separation not less than 4MHz with a minimum of 64 channels. Three frequencies hop to change with each other. The number of hopping action is 156 times with a velocity of 6.4ms/time. While switching on power, the transmitter is under receiving condition, it will scan and lock unoccupied channels, transmitting signal to receiver. It will match with the receiver before flicker of transmitter LED display. When the receiver receives signal from transmitter, indicating light of receiver is on with its maximum limit.

Ground:

There is no external ground connection. The ground is only that of the printed circuit board.

Transmitter Specification

Frequency: 2404-2481MHz

Modulation frequency coding: 876KHz

Carrier frequency modulation model: GFSK

Power: <10mW

Modulation S/N: <40dB

Length of airframe: 192mm

Working current: < 150mA

Antenna length: 135mm

Working voltage: 9.6-12V

RF output power: <10mW

Information of Antenna

Gain: 0dB +/-1dB

DC Resistance: >0.3Ohm <1 Ohm

Resistance: 50Ohm