Operation Description

1 Hopping Range

Hereby we declare that the maximum range frequency of this device is: 2.405-2.476GHz.

2 Hopping Sequence

Example of Group1 and Group2 hopping sequence in data mode. The ID determine Which group will be used

Group1: 2.408GHZ, 2.459GHZ, 2.417GHZ, 2.442GHZ, 2.414GHZ, 2.475GHZ, 2.431GHZ, 2.472GHZ
2.436GHZ, 2.473GHZ, 2.439GHZ, 2.447GHZ, 2.428GHZ, 2.461GHZ, 2.407GHZ, 2.468GHZ
2.412GHZ, 2.451GHZ, 2.427GHZ, 2.460GHZ, 2.420GHZ, 2.469GHZ, 2.435GHZ, 2.452GHZ
2.422GHZ, 2.457GHZ, 2.437GHZ, 2.476GHZ, 2.438GHZ, 2.465GHZ, 2.421GHZ, 2.458GHZ

Group2: 2.409GHZ, 2.464GHZ, 2.416GHZ, 2.467GHZ, 2.419GHZ, 2.466GHZ, 2.430GHZ, 2.449GHZ
2.411GHZ, 2.456GHZ, 2.423GHZ, 2.453GHZ, 2.425GHZ, 2.444GHZ, 2.406GHZ, 2.474GHZ
2.429GHZ, 2.446GHZ, 2.418GHZ, 2.471GHZ, 2.415GHZ, 2.448GHZ, 2.432GHZ, 2.462GHZ
2.413GHZ, 2.470GHZ, 2.434GHZ, 2.463GHZ, 2.405GHZ, 2.443GHZ, 2.410GHZ, 2.455GHZ

3 Receiver input bandwidth

The Dwell time (hopping timing) is 8mS, will NOT auto-adjusted depends on the air traffic condition.
The input bandwidth of the receiver is 1MHz. The dongle determines the hopping sequence. The keyboard follows this sequence. Both devices shift between RX and TX time slot according to the clock of the dongle.

4. Power

The power is DC 5.OV by USB port.

5. Modulation and antenna

The modulation type is GFSK, the crystal frequency is 16 MHz and the antenna is internal.