



天利合企業股份有限公司

ADVANCE SECURITY INC.

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Product name: Car alarm 2 way hand hold unit

Product model: 2W975

FCC ID: H5OTR78

### Table for Carrier Frequencies

Channel	Frequency(MHZ)	Channel	Frequency(MHZ)
01	908.300	14	916.040
02	908.895	15	916.635
03	909.490	16	917.233
04	910.085	17	917.825
05	910.680	18	918.422
06	911.277	19	919.612
07	911.872	20	920.805
08	912.467	21	921.400
09	913.063	22	921.995
10	913.658	23	922.590
11	914.255	24	923.188
12	914.850	25	923.783
13	915.444	---	---

### Hooping Sequence

08、16、22、04、12、19、01、09、17、06、14、20、03、11、24、07、15、21、02、10、18、05、13、25、23

### **Coordination of hopping sequences to other transmitters**

This transmitter does not have the ability of being coordinated with other FHSS system for as soon as the transmitter is in operation, the hopping frequency will follow the selected hopping sequence to transmit independently and no coordination is possible. Especially, this transmitter is used as a duplex car alarm system, so no coordination of hopping frequency is required.

### **System Receiver Hopping Capability**

There are two steps to make the receiver to shift the frequencies in synchronization with the transmitted signals:

First, the Transmitter will emit a preamble signal of 50ms and the receiver will scan this signal by 2ms sweeping until the preamble signal is caught. Second, the preamble signal is coded with the information of hopping sequence and the next transmitting frequency, so the receiver will be able to shift the receiving frequencies in synchronization with the transmitted signals.

### **Equal Hopping Frequency Use**

Due to each hopping frequency will be transmitted in accordance to the frequency tables described above, there is no any frequency will be able to hop more times than others. Therefore each frequency will be used equally.



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