

Operation Manual

Model : SK-7235-K

Customer : LITEON

Version : 0.3

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1.General

This is operation manual of SK-7235 series RF keyboard. It is a high quality wireless 2.4GHz radio product with multi-channels, minimum 10m of operation range for keyboard.

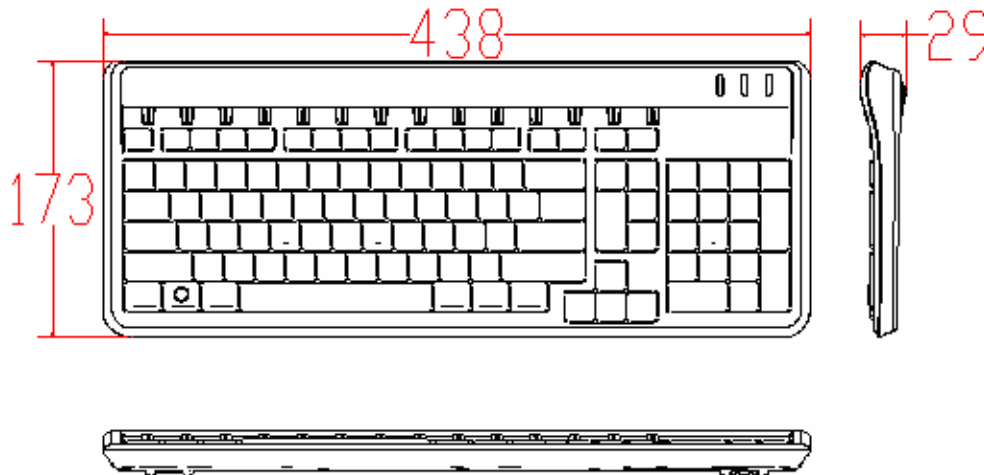
It offers a power saving design and with very low power consumption for operation .

Product function includes standard keyboard function and WIN2000 hot key function. .For normal operation, a USB RF dongle would be used as a RF receiver on PC end.

2. Mechanical Specifications

Product Outline

Sk-7235 keyboard enclosure



2.1 Dimensions and Weight

1.Unpacked Dimensions and Weight

length(± 3 mm)	width(± 3 mm)	height(± 3 mm)	weight(± 0.1 kg)
438	173	29	0.59

3. Electrical Specification

Main Feature.

- Nordic 2.4GHz RF two way solution.
- Multi-channels with total 78 channels.
- Total 16 bits ID numbers.
- Maximum 2M transmission baud rate.
- Wireless operating distance up to 10 m
- The product offers hot key function for WIN2000 as well as supports standard keyboard functions.

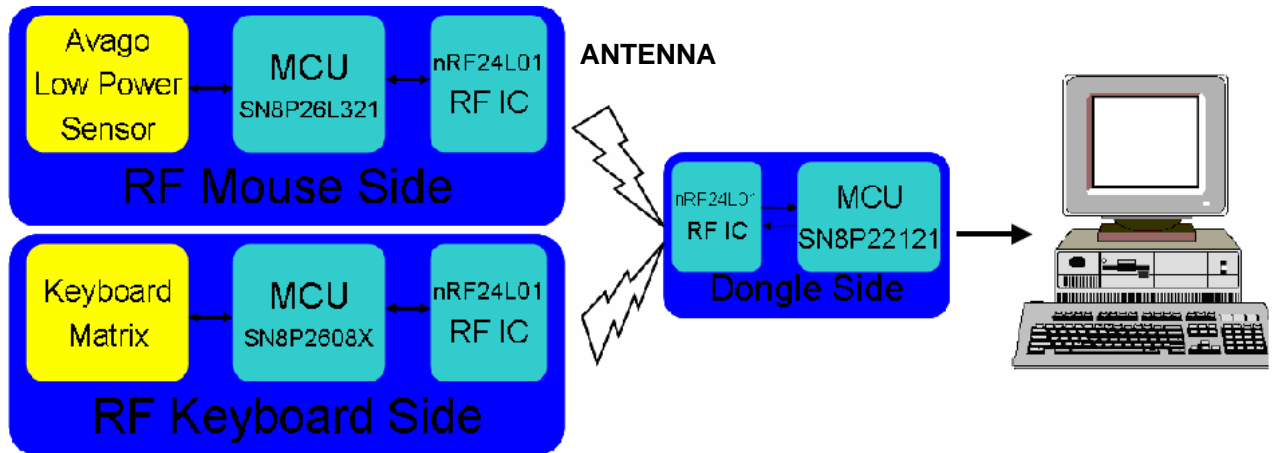
Product Applications

Laptop PC

Desktop PC

Operate OS: window 2000/ME/XP/MAC/LINUX OS

Functional Block diagram of RF Communication system



3.1 Power Consumption

*For keyboard:

Operation Voltage:

Voltage supplied to device: 3 VDC (AAA battery *2)

Operation voltage range: 2.2~3.3VDC for keyboard

4. Radio Feature

4.1 Operation procedure

The product needs to make pairing with USB dongle before normal application.

In general we can use the product directly by the user because the pairing process has been done at manufacturer site. However, the pairing process needs to be done if there is no response from keyboard.

* How to make pairing (step by step as below process) by user:

1. Insert two batteries to the RF Keyboard, and close the battery door.
2. Plug in the dongle to the USB port of PC and the access LED will flash about 2 seconds.
3. Press the ID connect button of dongle and the access LED will flash about 15 seconds.
4. Press the ID connect button of RF keyboard for pairing with the dongle within 15 seconds.
5. The access LED will go off and RF keyboard is ready. If access LED is still blinking, please repeat the above procedure 1 to 4 again.

Note :

1. There are total 65,536 IDs for pairing.
2. If you find some interference from other Wireless Keyboard, you can repeat the above procedures 3 and 4 for re-pairing and change to a new ID.
3. Check the batteries power supply if pairing was unsuccessfully. Repeats pairing process step 1~5 after checking battery power status.

4.2 Radio feature

***Table-1 Parameter of radio**

<i>Item/ Parameter</i>	<i>Specification</i>
Frequency Range	2.4GHz (2402MH-2479MHz)
Modulation	GFSK
Channel	78 channel
Channel I.D	16bits 65,536 sets
Operation Voltage	2.2V~3.3V(BATTERY)
Battery	AAA*2 batteries.
Transmission rate	2 Mbps
TX FM frequency deviation	+/- 320 kHz
Frequency tolerance	+/- 30 ppm

Note:

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the installation. , May cause harmful interference to radio communication. However, there is no guarantee that interference

Will not occur in a particular installation. if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio / TV technician for help

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions

- (1) This device may not cause harmful interference and
- (2) This device must accept any interference received, including interference that may cause undesired operation

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.