SK-8808
RF Wireless Keyboard
Manual

1. Product

This model includes a keyboard and a receiver. The receiver is in USB cable connection. There are four batteries in the keyboard.

2. Operating voltage

The operating voltage range for keyboard is 2.6 ~ 3.6 Vdc. It is capable of supplying a load current up to 25 mA. There are 4 AAA batteries providing 3.0V for operation.

3. Modes of operation

There is no LED indicator on the keyboard. However, there are six icons and will be used to display the following information on the screen:

- Email Waiting Status
- Keyboard Status
- Keyboard Num Lock Status
- Keyboard Caps Lock Status
- Keyboard Scroll Lock Status
- Mouse Status

The icons and status bar will be sized to match the same proportions as the Windows Taskbar on the screen display. Its default location will be in the lower right corner above the default Windows Taskbar location. The user will have the option to drag and drop the status bar to any location on the active desktop.

4 Channel Selection

4.1. Channel and ID default setting

	Channel	ID
K/B	1	1
Mouse	4	1

Note: preset in the production line as default setting before delivery

4.2 Channel and ID numbers

Channel: six channels to Keyboard and six channels to Mouse

1	2	3	4	5	6	7	8	9	10	11	12
K/B1	K/B 2	K/B 3	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	K/B 4	K/B 5	K/B 6

ID: There are 16 ID from 0000 to 1111 for keyboard and another same 16 for Mouse.

Keyboard		Mouse	
1	0000	1	0000
2	0001	2	0001
3	0010	3	0010
4	0011	4	0011
5	0100	5	0100
6	0101	6	0101
7	0110	7	0110
8	0111	8	0111
9	1000	9	1000
10	1001	10	1001
11	1010	11	1010
12	1011	12	1011
13	1100	13	1100
14	1101	14	1101
15	1110	15	1110
16	1111	16	1111

Note: The ID indication is to prevent one keyboard/Mouse controlling more than one receiver.

4.3. EEPROM

There is one EEPROM IC in the Receiver and no EEPROM in Transmitter.

4.4 Operations

4.4.1 Battery removal

When the batteries are removed from the keyboard, the channel goes back to its default setting on the keyboard while the channel in Receiver is no change.

4.4.2 Channel Reset −to default setting

Procedure is as follows:

1. Click on the Channel Selection button on Rx (see Note 1 below).

2. Press on the Channel Selection button on Tx (see Note 2 below).

Note 1: (on Receiver)
Click once to clear all channel and ID from the memory of EEPROME. The LED on the Rx will then be ON and ready to receive channel and ID setting from the Tx.

Note 2: (on Keyboard/Mouse)
- ◆ Press and hold the button for more than 3 seconds: both channel and ID go to Default. The LED on Rx is flashing and turn off when the data is received.
- ◆ It can also be done by re-installing the batteries.

4.4.3 Only one set of Keyboard or/and Mouse with the Receiver

Channel is in the default setting. No manual setting is required when initial use.

4.4.4 Channel change – for more than one set of same devices within available transmission distance

Take keyboard as example for description. The description is the same as to the Mouse operation.

Rx1 ◀━━━▶ Tx1

Rx2 ◀━━━▶ Tx2
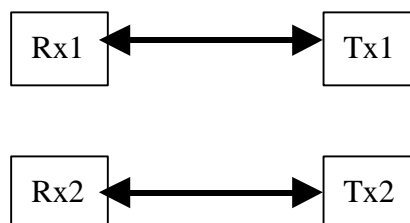
When the Rx2 and Tx2 are to be used after Rx1 and Tx1 already in use, due to the same default channel and ID, both receivers will be confused by signals from either keyboard. Therefore, the Rx2 and Tx2 have to go through the Channel change procedure described as follows while Rx1 is not pressed. (It is also applicable to change channel in Rx1 and Tx1 while Rx2 is not pressed.)

1. *Click the Channel Selection button on Rx2 once to be ready to be ready for receiving channel change from the keyboard.*
2. *Click the Channel Selection button once on the keyboard (for less than 3 seconds).*

The Channel number will add one up at each click while ID number is generated automatically from random. For example, the current Channel is 2 and ID is 5. After the above procedure once, the channel moves to 3 and ID maybe 9 or any other random number from 1 to 16.

Note: the Channel will not be changed if the Channel Selection button on the Receiver has not yet been clicked once.

4.4.5 Channel and ID display

The computer screen will display the Channel number.

4.4.6   Action before packaging – Channel Reset   *** for factory ***

Follow Channel Reset procedure as 3.4.4.2 to ensure that all products leave the production line in their default setting.

4.4.7 Initial use of device

It is recommended that the user is to reset the channel as described in 3.4.4.2 to default setting before use.

5. Specification

Description & Commodity :	Wireless keyboard for computer
Model :	SK-8808
Operation Frequency :	27 MHz
Operation Range :	2 meter
Power consumption :	14.5 ± 2 mA for keyboard at operation mode
	12 ± 5 uA for keyboard at sleep mode
Battery life :	6 month
RF output power :	4mW (+6dbm)
Power supply :	4 * AAA Alkaline battery for keyboard (3V in operation)
Channel :	6 channel with 4 bit security ID for keyboard
Receiver power consumption :	52 mA at operation mode and 466 uA at sleep mode
Receiver Sensibility :	-95 dbm
System Requirement :	IBM PC compatible
Storage temperature :	-10 ~ 85 °C
Working temperature :	0 ~ 40 °C

Federal Communications Commission(FCC) Statement

This Equipment has been tested and found to comply with the limits for FCC, pursuant to Part 15 of the FCC rules. These limits are designed 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 instructions, may cause harmful interference to radio communications. 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.