Bluetooth Mini Keyboard

User Manual
For
Symbian Series 60 Mobile Devices

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Table of Contents:

Introduction of Bluetooth Keyboard

➢ **Keyboard Features**

Power Switch
Power Turn Leftward : HID Mode. (PC Used)
Power Turn Rightward : SPP Mode. (Mobile Used)
Power betweenness : Power OFF.

LED Signal
Left LED : (Orange) Recharging State.
Right LED : (Blue) Normal Used
(Red) Low Battery
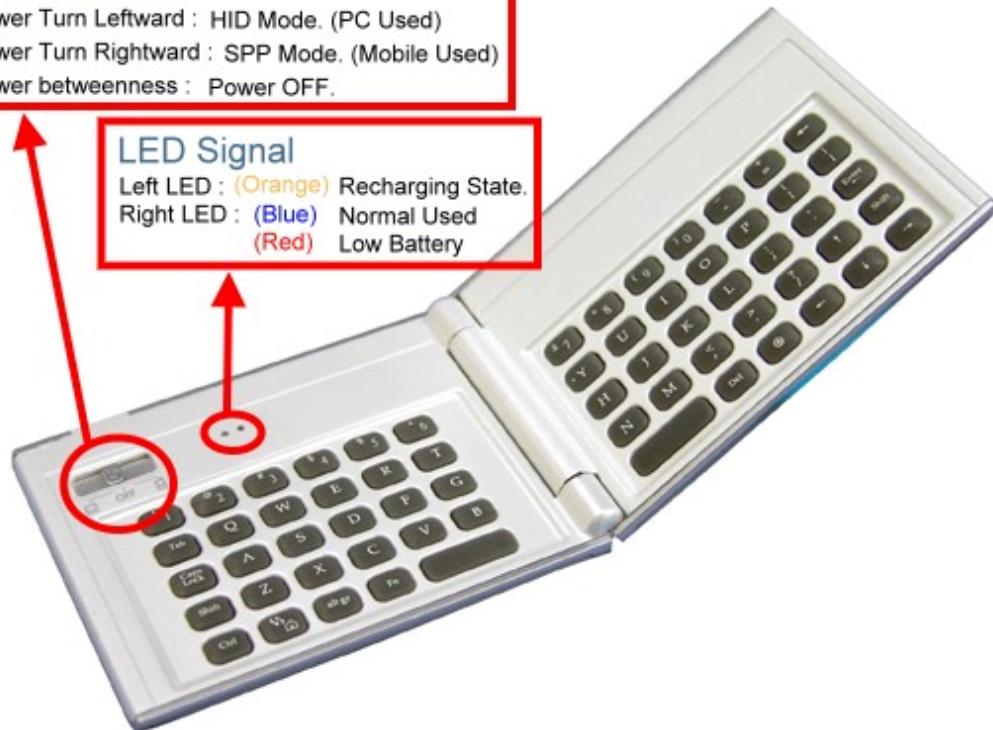
Driver Installation / Upgrading / Removing

➢ **System requirements**

- Symbian Series 60 Smartphone.

- At least 100 KB free memory on your Smartphone.

- A computer with the Microsoft Windows 2000/XP operating system.

- PC Suite (available on one of the CDs delivered with your phone).

➢ **Before to use**

- Check the batteries status of Bluetooth keyboard. (Open the switch to check the blue light on the keyboard.)

- Disable other keyboard application to use Bluetooth.

➢ **How to Install / Upgrade / Remove the Bluetooth keyboard Driver?**

- **Installation**
  For Symbian Series 60 OS, the Bluetooth keyboard driver can be installed by AutoRun CD-ROM, PC Suite, Cable or Wireless file transfer (Infrared or Bluetooth). Please find the details as below information.
  (When the Smartphone receive the file, it will show message with file "**MiniKB.sis**", click " View". You will be warned that "Application is untrusted and may have problems. Install only if you trust provider." Click "Yes", then click "Install".)

  ＊ **Install the Application in Series60 OS Smartphone by AutoRun CD-ROM**
  1 Establish the connection between your computer and your Smartphone.
  2 Insert Bluetooth Universal Keyboard CD into computer's CD-Rom drive.
  3 Follow the instruction on screen to complete the installation.
  4 When the installation is finished, you can find this Bluetooth keyboard icon is showed on the Menu of the mobile device.

✻ **Install the Application in Series60 Smartphone by "Application installer" of PC Suite**

1   Tag the PC Suite on the screen of the laptop/desktop, then click "**Install applications**" icon. (Figure 1)
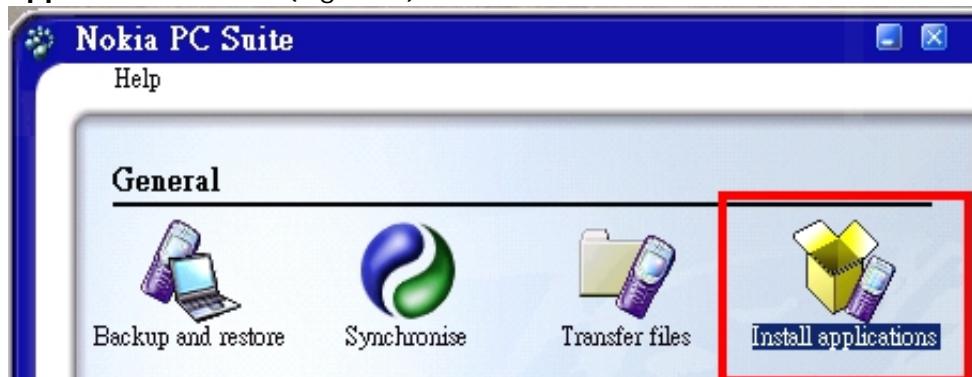


Figure 1

2   In the Application installer, from "My Computer" side, **Path**: CD-Rom driver » Files » Symbian » Series60 » Language. (Figure 2)
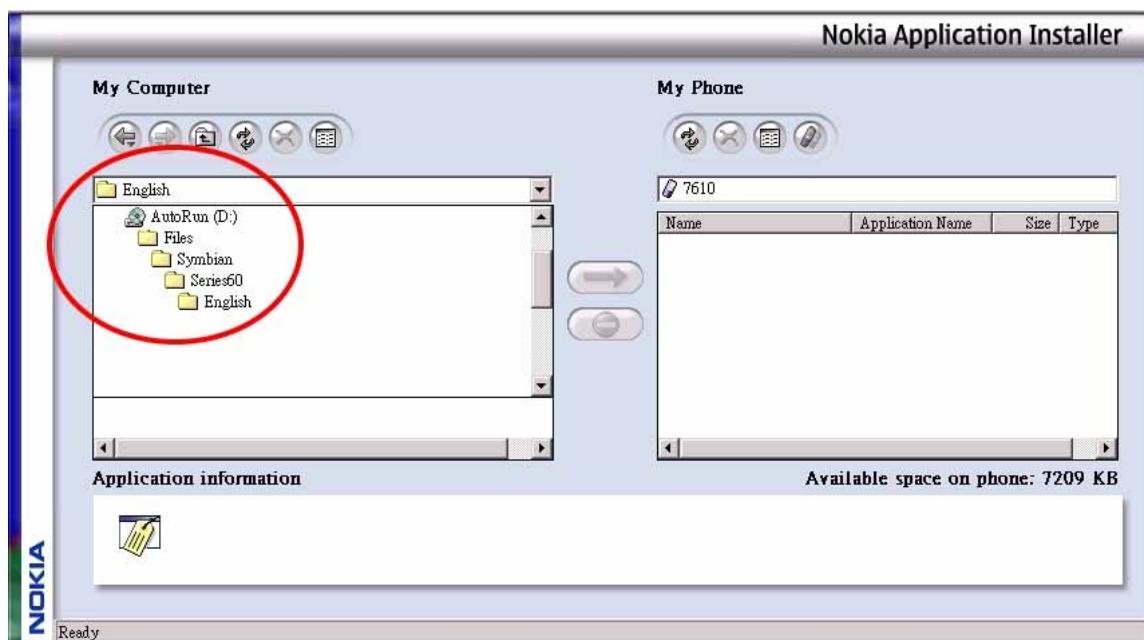

Figure 2

3   Find the file "**MiniKB.sis**", then tag the install.

﹡ **Install the Application in Symbian Series 60 Smartphone by Infrared or Bluetooth file Transfer**

1   Disable applications or drivers in the Smartphone, which may use Infrared or Bluetooth ports.

2   Path: CD-Rom driver » Files » Symbian » Series60 » Language. Tag the file "**MiniKB.sis**" on your computer or CD-ROM.

3   Follow the instructions for the Infrared or Bluetooth software on your computer to located the Series60 OS Smartphone and transfer the file to it.

﹡ After the driver is installed successfully , the keyboard driver icon will show up in the main menu. (Figure 3)
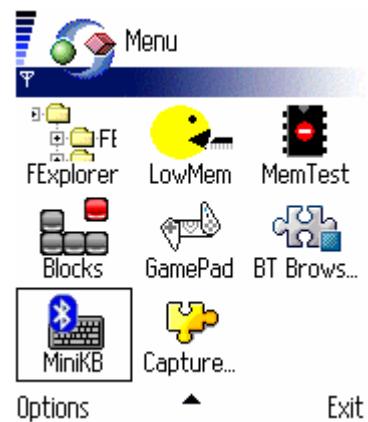
Figure 3

■ **Upgrading**

Please check the Agent's website from time to time to check if any new driver is released.

(If you want to install the latest driver, please uninstall the previous driver first.)

■ **Removing**

Step 1: Turn the driver off.

Step 2: Select Tools -> Manager -> MiniKB -> Remove. (Figure 4)
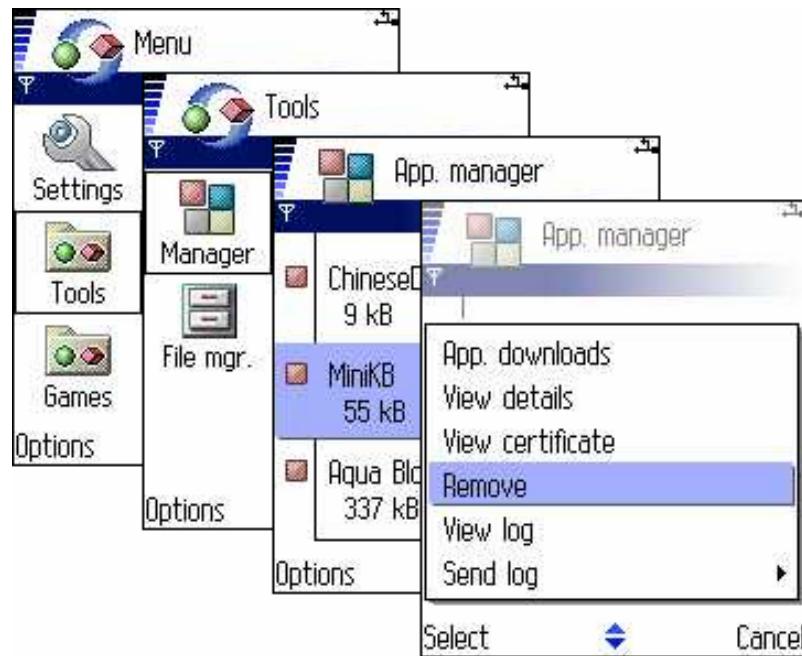

Figure 4

Configuring Bluetooth Keyboard

➢ When you click the "MiniKB" icon, you will see three pages " Config " , " Function ",
" About ". (Figure 5)
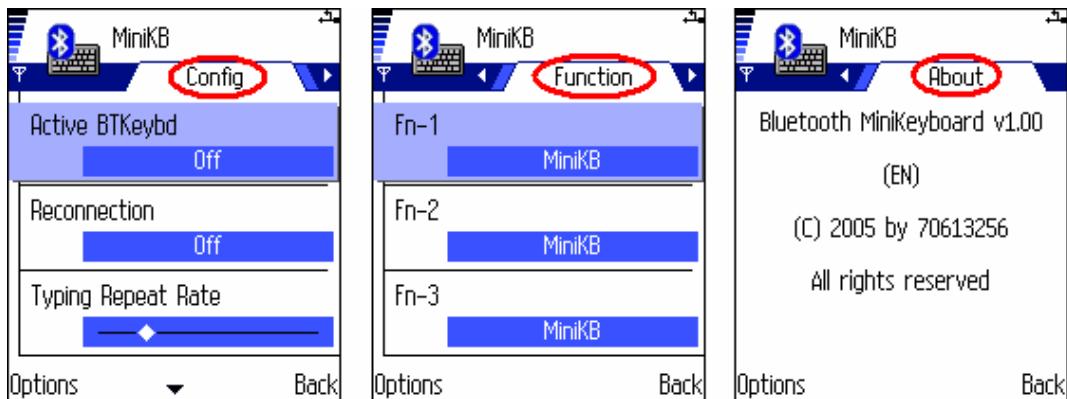
Figure 5

➢ **How to switch the page of driver interface?**

Method 1:

Please use the left direction or the right direction
buttons of your Smartphone to switch the page.

Method 2:

Please use the left function key of your Smartphone
to select the " Options " on your Smartphone, and
then switch the page by clicking the contents of
your " Options ". (Figure 6)

Figure 6

➢ **" Config " page：**

There are including:

" **Active BTKeybd** " , " **Reconnection** ", " **Typing Repeat Rate** ",
" **Typing Repeat Delay** ", " **Power Saving Mode** ", " **Keyboard Test** ".

➢ **" Function " page：**

This allows you to assign application or file to open as "Hot Keys".

➢ **" About " page：**

Provides the version of the driver installed in your Smartphone.

The Illustration of " Config " Page

- ➢ **Active BTKeybd**
  - ■ **How to connect the Bluetooth keyboard with your device??**

    Step 1:

    Turn the Bluetooth keyboard on, the LED will flash blue once every other second, the Bluetooth keyboard is in discovery mode.

    Step 2:

    Tap "**MiniKB**" icon in application list of the Symbian Smartphone. (Figure 7)
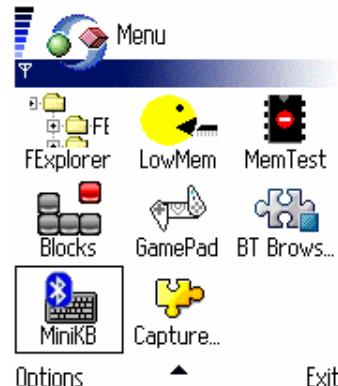
Figure 7
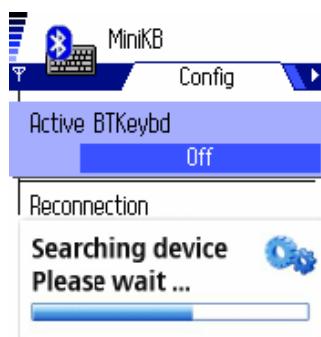
Step 3:

Turn "**Active BTKeybd**" option to "**On**" to scan the Bluetooth keyboard and the link will be established automatically. (Figure 8)

Figure 8

Step 4:

When the connection establish successfully, you will see the Bluetooth icon of your Smartphone (Figure 9), and the LED of the Bluetooth keyboard will flash blue **twice** every other second.
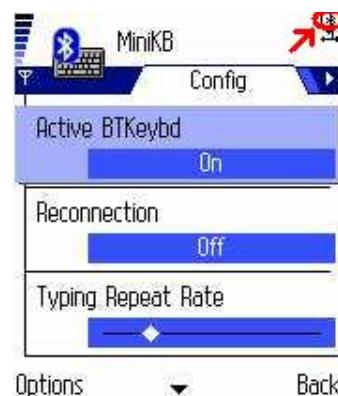
Figure 9

➢ **Reconnection**

After the connection established successfully, then you can turn "**Reconnection**" to "**On**". This function allows the Bluetooth keyboard memorizes the last connected device, and they will pair automatically in next connection without further search.

Note: Please do not turn " **Reconnection** " on before the first connection established.

➢ **Typing Repeat Rate**

This option allows you to set the speed at which a letter, number or other character repeats when you press and hold a key. Use your stylus to drag the marker arrow toward Fast (to increase) or Slow (to decrease) the repeat rate. (Figure 10)
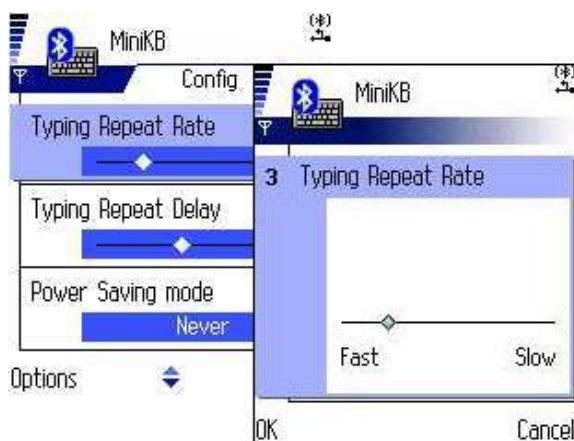
Figure 10
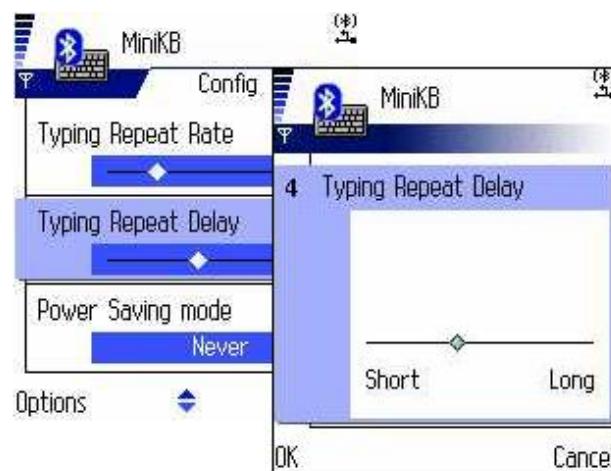
➢ **Typing Delay Time**

This option allows you to set the length of time before a letter, number or other character begins to repeat when you press and hold a key. Use your stylus to drag the marker arrow toward Long (to increase) or Short (to decrease) the length of the delay. (Figure 11)

Figure 11

➢ **Power Saving Mode**

This option allows you decide after an Idle Period, the connection will be off automatically for power saving. (Figure 12)
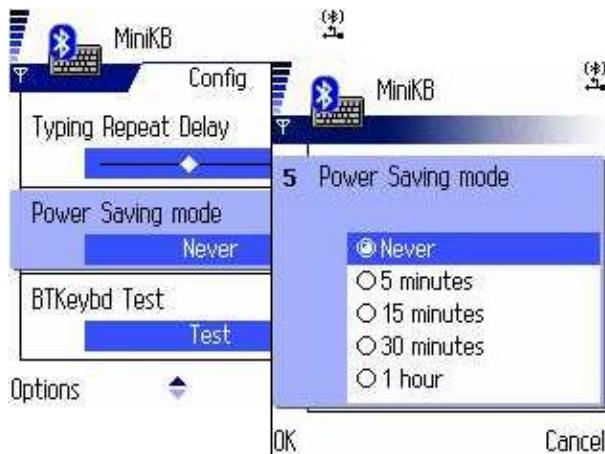
Figure 12
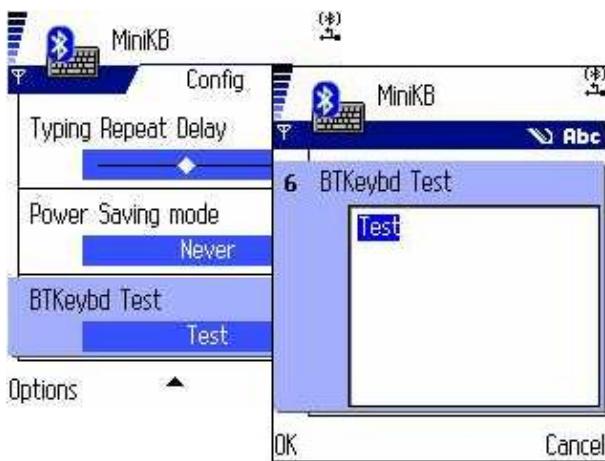
Figure 13

➢ **BTKeybd Test**

Test the repeat rate and delay by holding down a letter or number key on the keyboard. The character appears according to the setting you have chosen. Change and test these settings until you achieve the desired outcome. (Figure 13)

The Illustration of " Function " Page

➢ **How to set function keys for your Bluetooth keyboard?**

You should able to setup 10 different sets of function key (Fn -1、Fn -2 ~ Fn -0) (Figure 14).
Please use the [Fn] key to combine with the number [0] ~ [9] to active the function key.
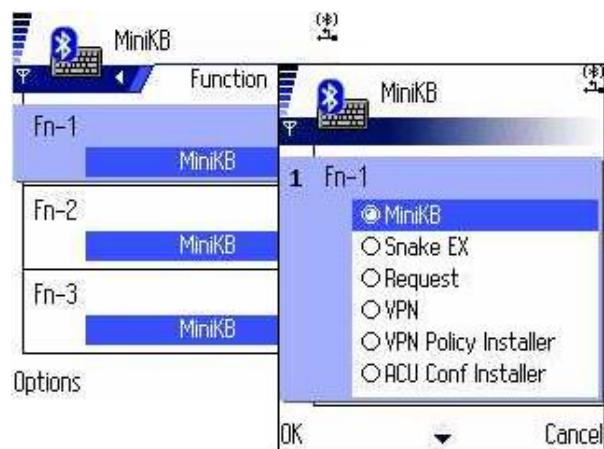
Figure 14

The Illustration of "About" Page

➢ **How to check the version of driver?**

Please click "About" page. (Figure 13)

Driver version: V1.00

English　　Version　：　EN

German　　Version　：　DE

French　　Version　：　FR

Figure 15

Function key and the Combination keys

➢ **Launching Applications :**

Launch the application by shortcut.

| Function	Keystroke
Launches a specific user-defined application.	[Fn] + [0]~[9]
Launches " Messaging " application	[Fn] + [Z]
Launches " Contacts " application	[Fn] + [X]
Launches " To-do " application	[Fn] + [C]
Launches " Calendar " application	[Fn] + [V]

➢ **Function Key**

Function	Keystroke
Left menu key	[Ctrl] + [6]
Right menu key	[Ctrl] + [7]
To dial	[Ctrl] + [T]
Break	[Ctrl] + [Y]
Launches " Recoder " application	[Ctrl] + [G]
Main menu	
Select key	
All keys embedded with **gray** characters are accessible by enabling the Num Lock setting. Enabling Num Lock emulates a 10-key keypad interface found on most standard keyboards.	[Fn] + [Caps Lock]
Insert a tab	[Tab]

➢ **Editing Text Command :**

This table lists the key combinations to activate various commands.

Function	Keystroke
Selects the previous character	[Shift] + [←]
Selects the next character	[Shift] + [→]
Selects pervious line	[Shift] + [↑]
Selects next line	[Shift] + [↓]
Cuts selected text	[Ctrl] + [X]
Copies selected text	[Ctrl] + [C]
Pastes cut or copied text	[Ctrl] + [V]

➢ **Symbol Characters :**

International Character Key

Keystroke	Character
[Alt gr] + [1]	~
[Alt gr] + [4]	`
[Alt gr] + [6]	＼
[Alt gr] + [7]	|
[Alt gr] + [Q]	®
[Alt gr] + [W]	©
[Alt gr] + [E]	€
[Alt gr] + [Y]	¥
[Alt gr] + [P]	£
[Alt gr] + [A]	«
[Alt gr] + [S]	»
[Alt gr] + [D]	µ
[Alt gr] + [F]	ç
[Alt gr] + [G]	ñ
[Alt gr] + [H]	¿

➢ **Latin Characters**

How to input Latin Character?

Press **[Fn] + [Ctrl]** at same time, the Bluetooth keyboard is in Latin mode. This table lists keystrokes to activate Latin functions**.**

Keystroke	Character
Q	á
W	à
E	ä
R	â
T	å
Y	ã
Y	æ
I	ç
O	ñ
P	ø
A	é
S	è
D	ë
F	ê
G	í
H	ì
J	ï
K	î
L	ß
;	ý
'	ÿ
Z	ó
X	ò
C	ö
V	ô
B	õ
N	ú
M	ù
,	ü
.	û
/	¿

➢ **Calculator Functions:**

Press **[Fn] + [Caps Lock]** at same time, the Bluetooth keyboard is in NumLock mode. This table lists keystrokes to activate calculator functions.

keystroke	Action
/	(+) Add
;	(-) Subtract
P	(*) Multiply
-	(/) Divide
=	(=) Equals
J	(1) One
K	(2) Two
L	(3) Three
U	(4) Four
I	(5) Five
O	(6) Six
8	(7) Seven
9	(8) Eight
0	(9) Nine
M	(0) Zero

Bluetooth Mini Keyboard Status LED

When the Bluetooth keyboard is open, you can find a LED on your left side keyboard. This LED can indicate the status of the keyboard and battery

★ When the LED flashs **Blue** light once every other second, this is the state that the Bluetooth keyboard can be detected by handheld device.

★ When the LED flashs **Blue** light twice every other second, this is the status that the Bluetooth keyboard is connected by handheld device.

★ When the LED flashs **Red** light once or twice every other second, this is the batteries are in low level. You should change the batteries immediately.

★ When the LED flashs **Orange** light , this is the Mini keyboard is in charge mode

Product Specifications

Item		Typ.	Unit
Module Size (Close)	Horizontal (H)	90	mm
	Vertical (V)	71	mm
	Depth (D)	12	mm
Module Size (Open)	Horizontal (H)	172	mm
	Vertical (V)	71	mm
	Depth (D)	6	mm
Weight	Net	83	g

Absolute Maximum Rating

Item	Min	Max	Unit	Note
Operation Temperature	-10	50		Humidity Condition 5 ~ 90%RH
Storage Environmental	-30	70		Humidity Condition 5 ~ 90%RH

Appendix A : Troubleshooting

1. **Why Smartphone has no response when I type on Bluetooth keyboard?**

   ➢ Make sure the keyboard is in the connected status by LED flash time.
   ➢ Check the battery of mobile device is charged.
   ➢ Check the batteries of Bluetooth keyboard have enough power by LED color.

2. **May I store the Bluetooth keyboard driver into my storage card?**

   ➢ Yes.

3. **Why couldn't I remove the Bluetooth keyboard driver from my device?**

   ➢ Please check if the Bluetooth keyboard still in the link mode or not. If the keyboard still connected with your device, please close the application from your device and try again.

4. **What if my Smartphone is not link with the Bluetooth keyboard but the signal of the keyboard display with the link mode?**

   ➢ The Bluetooth keyboard might connect with other device; if you could switch off the power of the keyboard, the keyboard should remain in search mode. We also suggest you to switch off the power of keyboard if you are not going to use it.

FCC Regulations:

●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 device 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 reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiated 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.