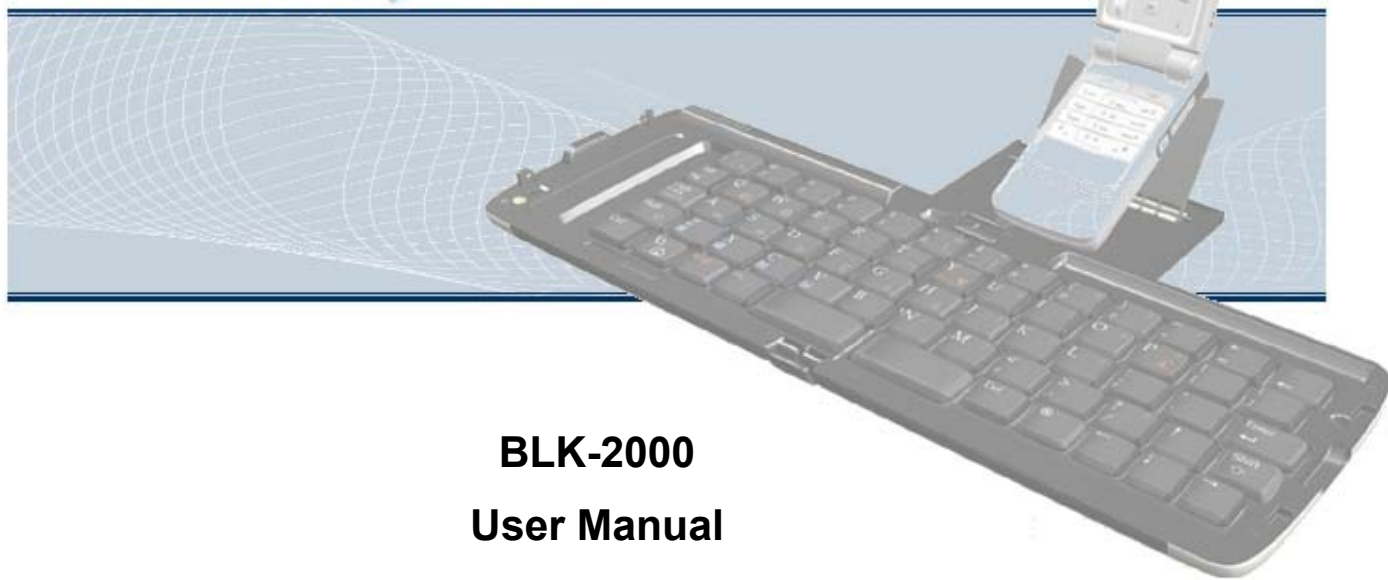




Bluetooth Keyboard



BLK-2000 User Manual For Nokia 7710

V1.0.0-0601

Manufacturer's Disclaimer Statement

The information in this document is subject to change without notice and does not represent a commitment on the part of the vendor. No warranty or representation, either expressed or implied, is made with respect to the quality, accuracy or fitness for any particular purpose of this document. The manufacturer reserves the right to make changes to the content of this document and/or the products associated with it at any time without obligation to notify any person or organization of such changes. In no event will the manufacturer be liable for direct, indirect, special, incidental or consequential damages arising out of the use or inability to use this product or documentation, even if advised of the possibility of such damages. This document contains materials protected by copyright. All rights are reserved. No part of this manual may be reproduced or transmitted in any form, by any means or for any purpose without expressed written consent of its authors. Product names appearing in this document are mentioned for identification purchases only. All trademarks, product names or brand names appearing in this document are registered property of their respective owner

Table of Contents:

◆ Introduction of Bluetooth Keyboard	5
➤ Keyboard Features	5
➤ Keyboard Setting Up	5
◆ Driver Installation / Upgrading / Removing	7
➤ System requirements	7
➤ Before to use	7
➤ How to Install / Upgrade/ Remove the Bluetooth keyboard Driver	7
◆ Configuring Bluetooth Keyboard	10
◆ The Illustration of “ Config ” Page	11
➤ Active BTKeybd	11
➤ Reconnection	13
➤ Typing Repeat Rate	13
➤ Typing Repeat Delay	14
➤ Power Saving Mode	14
➤ Keyboard Test	15
◆ The Illustration of “ Function ” Page	15
◆ The Illustration of “ About ” Page	16
◆ Mouse Function	16
◆ Function key and the Combination keys	17
➤ Launching Applications	17
➤ Editing Text Command	18

➤	Function Key	18
➤	Symbol Characters	20
➤	Latin Characters	21
➤	Calculator Functions	22
◆	Bluetooth Keyboard Status LED	23
◆	Product Specifications	24
◆	Appendix A : Troubleshooting	25

Introduction of Bluetooth Keyboard

➤ Keyboard Features

Welcome use the

Bluetooth Keyboard

Cradle :

The SmartPhone & PDA
cradle of the keyboard

Battery Cover :

Allow to place
two AAA battery
in it.

Keyboard lock :

The lock is able to
fix the keyboard in
unfolding position.

Power & the LED signal :

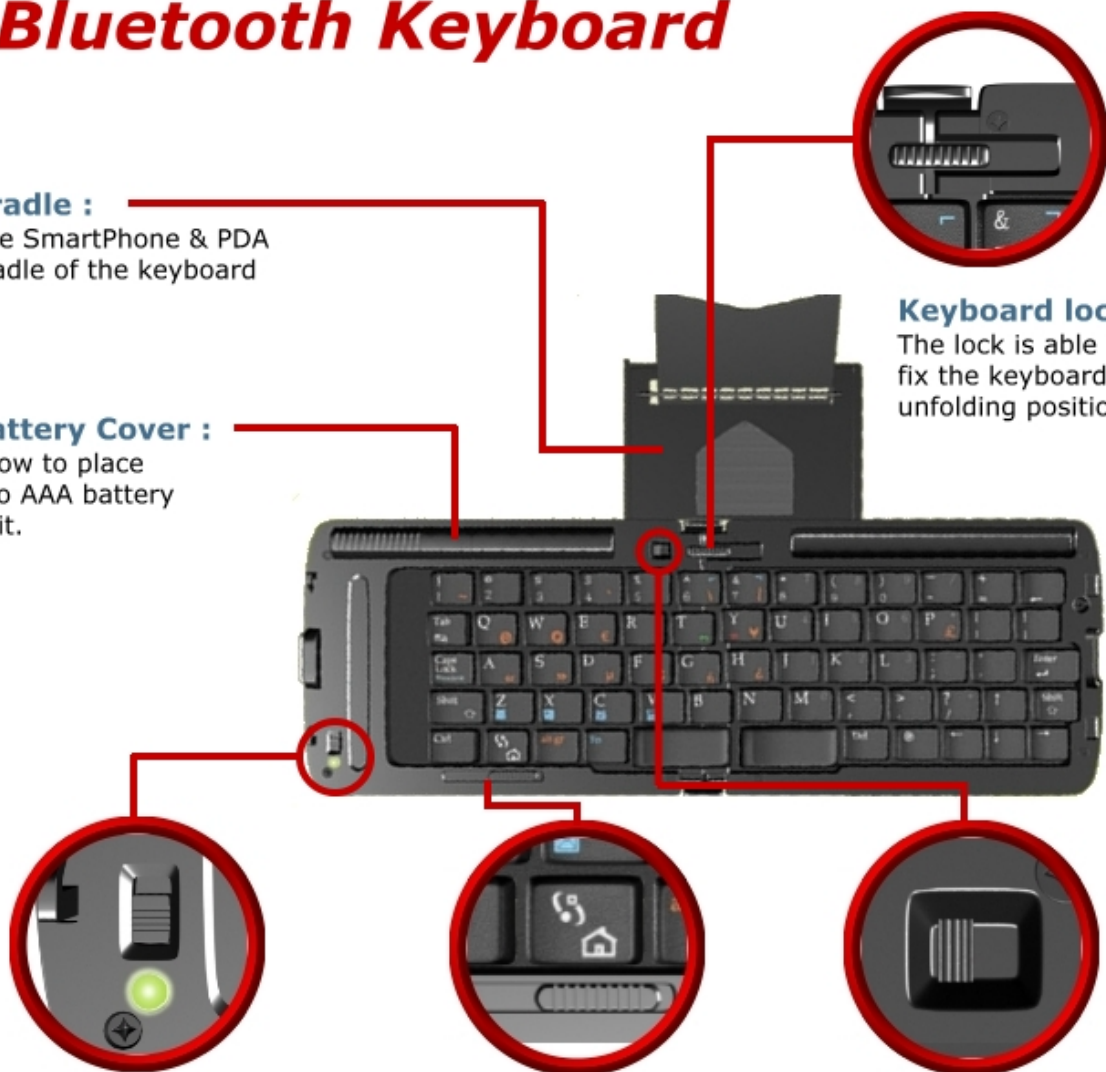
Power turn upward :
Power on
Power turn downward :
Power off

Slide shaft :

Pull in the right direction
to leave keypad no gap
for typing.

Cradle Lock :

Please unlock the lock
when you are folding
your cradle.



➤ Keyboard Setting Up



Notes :

- * Please turn the keyboard on first.
- * Once the LED flash orange light or no light, change the battery °



- * Before folding the keyboard, make sure the keyboard is unlock and the cradle is inserted back into the keyboard.

Driver Installation / Upgrading / Removing

➤ System requirements

- Nokia 7710
- 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 green light on the keyboard.)
- Disable other application which will use Bluetooth.

➤ How to Install / Upgrade / Remove the

Bluetooth keyboard Driver?

■ Installation

For Nokia 7710, 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 Nokia 7710 receive the file, it will show message with file "BTkeybd.sis", click " View". You will be warned that "The identity of the software supplier cannot be guaranteed. Do you want to proceed?" Click "Yes", then click "Install".)

*** Install the Application in Nokia 7710 by AutoRun CD-ROM**

- 1 Establish the connection between your computer and your Nokia 7710.

- 2 Insert LevelOne BLK-2000 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 Nokia 7710 Smartphone by “Application installer” of PC Suite**

1. PC Suite (available on one of the CDs delivered with your phone) must be installed in your PC, and the Nokia 7710 must be connected to the PC via SyncStation, infrared or Bluetooth.
2. Start the software **Install Software** on your PC, and select the application (Path: CD-Rom driver » Files » Symbian » Nokia7710 » Language » BTKeybd.sis) to install. Confirm to install the application in the Nokia 7710 and follow the instructions.

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

- 1 Disable applications or drivers in the Nokia 7710, which may use Infrared or Bluetooth ports.
- 2 Path: CD-Rom driver » Files » Symbian » Nokia7710 » Language. Tag the file “**BTkeybd.sis**” on your computer or CD-ROM.
- 3 Follow the instructions for the Infrared or Bluetooth software on your computer to located the Nokia 7710 and transfer the file to it.

- * After the driver is installed successfully ,
the keyboard driver icon will show up in
the main menu. (Figure 1)



Figure 1

■ 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

1. From the Applications View, go to [**CONTROL PANEL**].
2. Select [**App. manager**].
A list of applications that can be uninstalled is shown.
3. Select the application to uninstall.
4. Select [**Remove**]. (Figure 2)

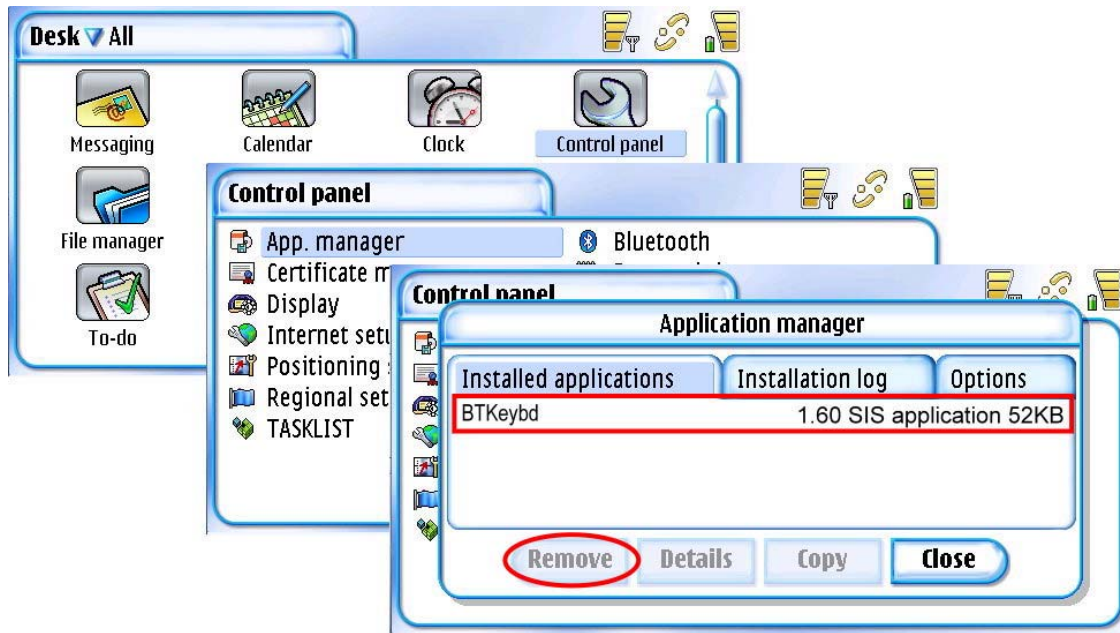


Figure 2

Configuring Bluetooth Keyboard

- When you click the “BTkeybd” icon, you will see three pages “ Config ” , “ Function ” , “ About ”. (Figure 3)

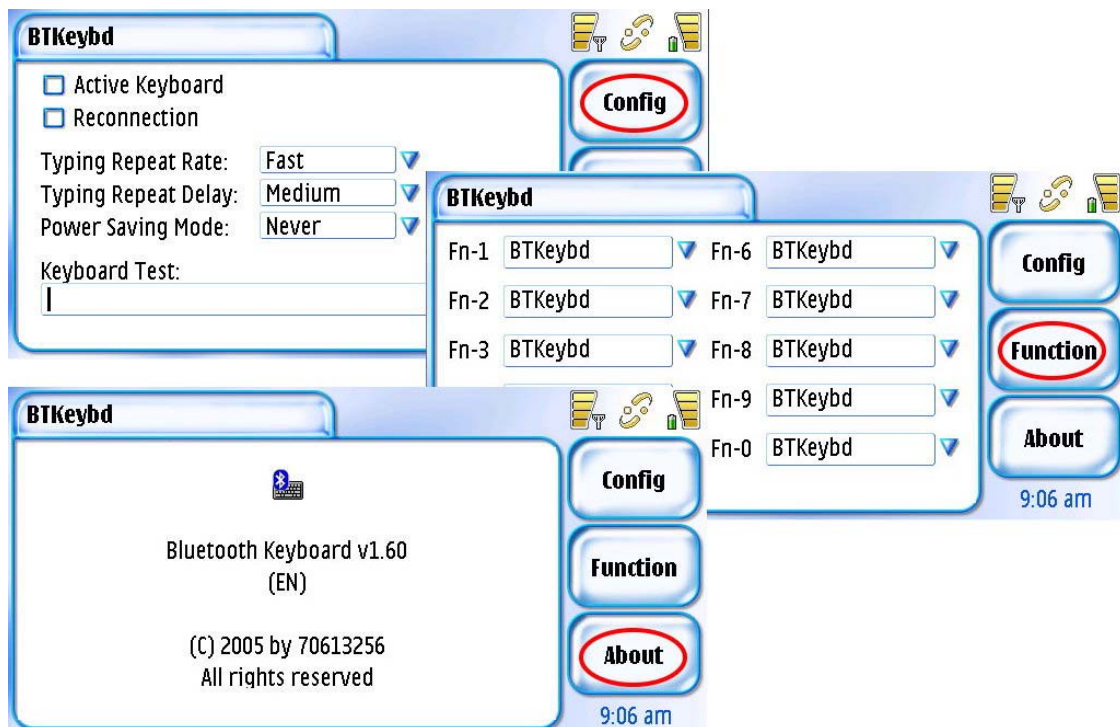


Figure 3

➤ **“ 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 Nokia 7710.

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 orange for 1 second, then turn to flash green once every other second, the Bluetooth keyboard is in discovery mode.

Step 2:

Click “**BTkeybd**” icon in application list of the Nokia 7710. (Figure 4)



Figure 4

Step 3:

Click " [Active Keyboard](#) ". Nokia 7710 will search and connect the Bluetooth Keyboard automatically. (Figure 5)

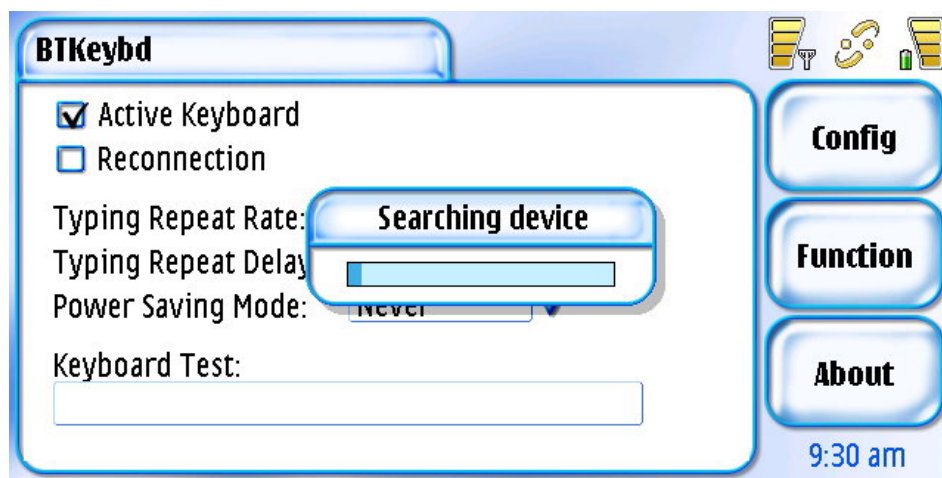


Figure 5

Step 4:

When the connection establish successfully,
the LED of the Bluetooth keyboard will flash green **twice**
every other second.

➤ 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. (Figure 6)

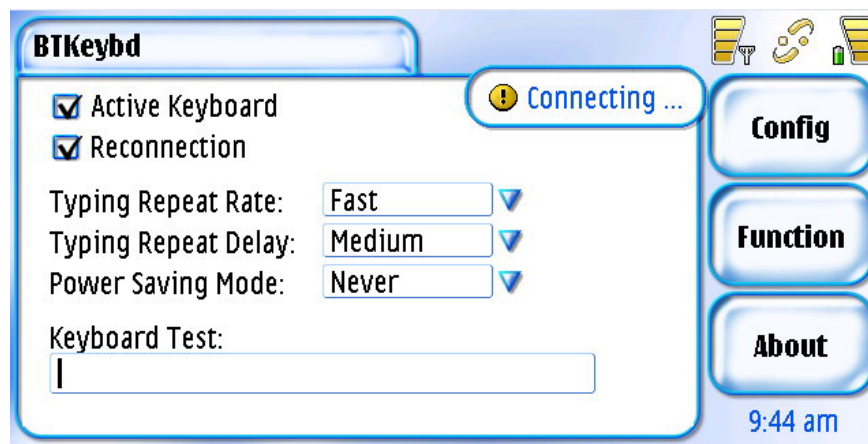


Figure 6

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. (Figure 7)

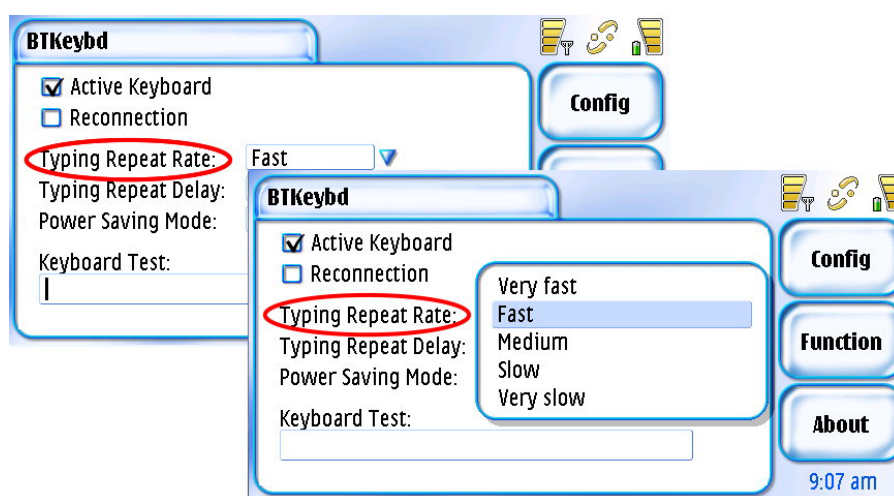


Figure 7

➤ 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. (Figure 8)

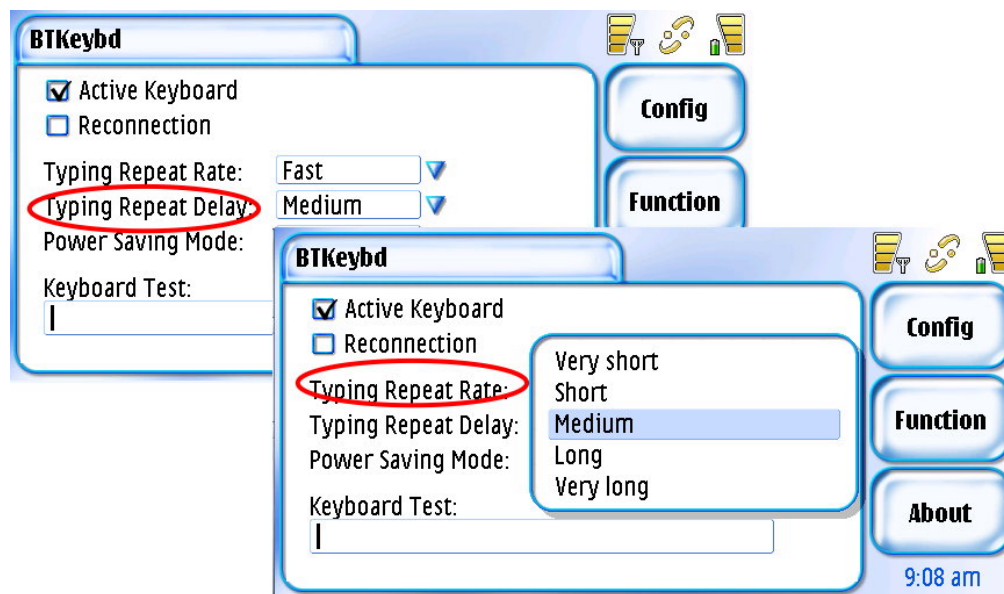


Figure 8

➤ Power Saving Mode

This option allows you decide after an Idle Period, the connection will be off automatically for power saving. (Figure 9)

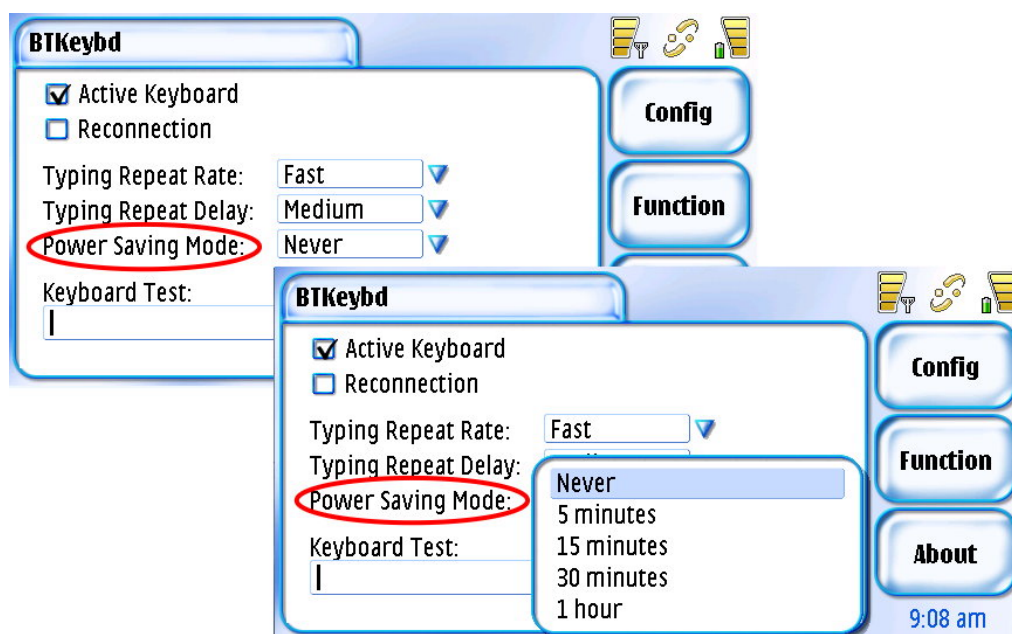


Figure 9

➤ **Keyboard 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 10)

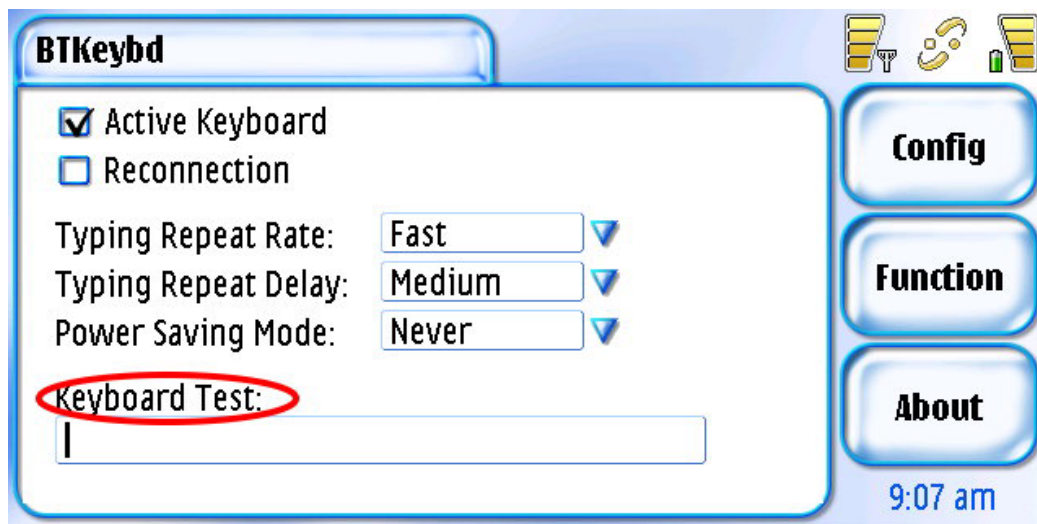


Figure 10

The Illustration of “ Function ” Page

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

You should be able to setup 10 different sets of function key (Fn -1 、 Fn -2 ~ Fn -0)

(Figure 11). Please use the [Fn] key to combine with the number [0] ~ [9] to activate the function key.

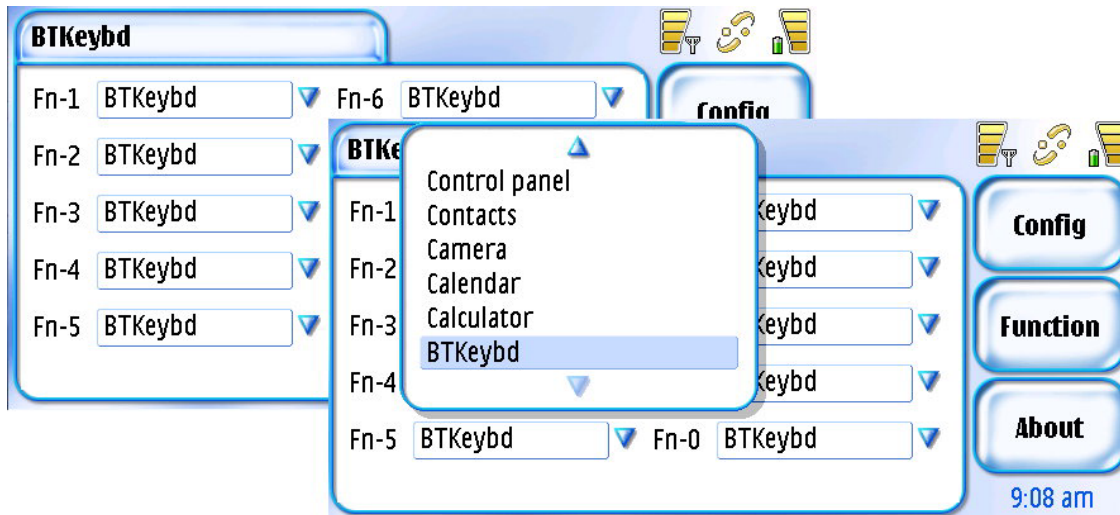


Figure 11

The Illustration of “ About ” Page

➤ How to check the version of driver?

Please click “ About ” page. (Figure 12)

Driver version: V1.60

English Version : EN

German Version : DE

French Version : FR

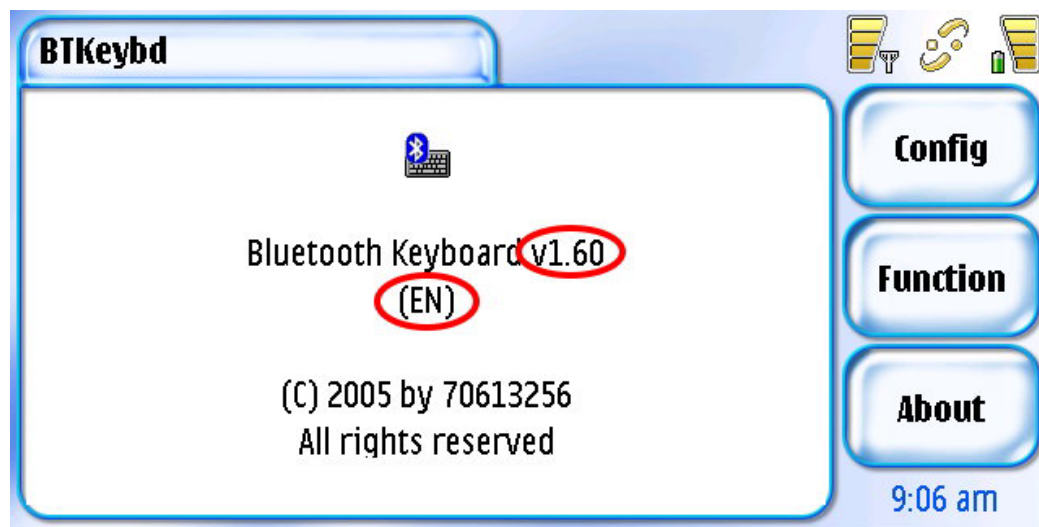


Figure 12

Mouse Function

➤ **How to using the mouse function?**

[Ctrl] + [←] : Emulates the Mouse Move to Left.

[Ctrl] + [→] : Emulates the Mouse Move to Right.

[Ctrl] + [↑] : Emulates the Mouse Move to Up.

[Ctrl] + [↓] : Emulates the Mouse Move to Down.

[Ctrl] +  : Emulates the Mouse Click.

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 “ Messages ” application	[Fn] + [Z]
Launches “ Contacts ” application	[Fn] + [X]
Launches “ Tasks ” application	[Fn] + [C]
Launches “ Calendar ” application	[Fn] + [V]




➤ **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]
Undo	[Ctrl] + [Z]

➤ **Function Key**

Function	Keystroke
 Menu Key	[Ctrl] + 
 Switch Key	[Ctrl] + [6]
 Zoom Key	[Ctrl] + [7]
 Esc Key	[Ctrl] + [Back Space]
 To dial	[Ctrl] + [T]
 Break	[Ctrl] + [Y]
 Launches “ Recoder ” application	[Ctrl] + [G]
Emulates the Mouse Move to Left	[Ctrl] + [←]
Emulates the Mouse Move to Right	[Ctrl] + [→]

Emulates the Mouse Move to Up	[Ctrl] + [↑]
Emulates the Mouse Move to Down	[Ctrl] + [↓]
Emulates the Mouse Click	[Ctrl] + 
Main menu	
Select key	
<p>All keys embedded with gray characters are accessible by enabling the Num Lock setting.</p> <p>Enabling Num Lock emulates a 10-key keypad interface found on most standard keyboards.</p>	[Fn] + [Caps Lock]
Insert a tab	[Tab]

➤ **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 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 flashes **green** light once every other second, this is the state that the Bluetooth keyboard can be detected by handheld device.

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

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

Product Specifications

Item		Typ.	Unit
Module Size (Close)	Horizontal (H)	143	mm
	Vertical (V)	95	mm
	Depth (D)	19	mm
Module Size (Open)	Horizontal (H)	279	mm
	Vertical (V)	95	mm
	Depth (D)	13	mm
Weight	Net	200	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.

