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## **Introduction to Your ThumBoard**

The ThumBoard is a convenient, portable solution for typing text and commands quickly and easily into your handheld. This fully functional keyboard enables you:

- To type text and special characters into your handheld applications
- To access your main applications quickly with ThumBoard buttons
- To enter commands and options with function keys
- To travel anywhere with the ThumBoard for your handheld

**Before you can use your ThumBoard, you must do the following:**

- Install the ThumBoard application on your handheld.
- Set up the ThumBoard and attach your handheld.



ThumBoard	model
TB5000	Palm V, Palm Vx
TB5100	m500
TB5500	m505

## Installing the Application

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You are strongly recommended to back up your data before installing the ThumBoard application on your handheld. And make sure that your handheld has at least 20KB memory.

### ● To install the ThumBoard application on your handheld:

The application for the ThumBoard is a .prc file like most other applications for your handheld, and you can perform a HotSync to install .prc <sup>(\*)</sup> on your handheld just like any other application.



ThumBoard program is compatible to Palm OS3.1 or higher. If you are using Palm OS3.0, you can visit Palm web site to download OS version 3.1 or higher. You are recommended to upgrade to OS3.5 or higher.

After installing it on your handheld, the icon for the ThumBoard application appears in the Applications Launcher.

● **To load the ThumBoard application on  
Windows 95/98/2000/NT/ME:**

1. Insert the floppy disk into the floppy drive, and then double-click the floppy drive icon.
2. Double-click the .prc <sup>(\*1)</sup> file to open the Install Tool.
3. In the User drop-down list, select the name that corresponds to your handheld, and then click "Done".
4. Click "OK" to exit the installation screen.

● **To load the ThumBoard application on  
Macintosh:**

1. Exit any open programs, including those in the Startup folder, and disable any virus-scanning software.
2. Insert floppy disk into the floppy drive.
3. When the folder appears on the desktop, drag the .prc <sup>(\*1)</sup> file into the folder where your handheld applications are stored.
4. Perform a Hotsync operation to install the ThumBoard application on your handheld.

(\*1) TB5000: TB5000V10.prc  
TB5100: TB5100V10.prc  
TB5500: TB5100V10.prc

## Attaching Your Handheld


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The unique design of ThumBoard enables you to attach your handheld quickly and easily.

To attach your handheld, just insert it to ThumBoard like the following figure, then your handheld turns on automatically.

You can press the keys on ThumBoard instead of using the stylus to access the main applications or enter data. You can also press **SHFT** key or **Fn** key first, then press the other keys to perform shortcuts operation or get extended characters.




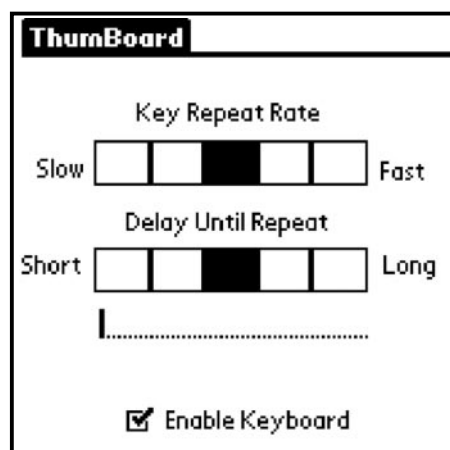
If the HotSync screen appears after attaching your handheld, it means that you have not connected them successfully, please press Cancel button to cancel HotSync application. Then press  key (ON/OFF) of ThumBoard.

## Changing General Settings

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You can customize your ThumBoard using the options available in the ThumBoard application on your handheld.

1. Enter the Applications Launcher.
2. Tap the ThumBoard icon  to display the general option screen.
3. Change the settings.



### Key Repeat Rate:

Tap to move the slider to speed up or slow down the rate at which a character is typed when you hold down the key.


**Delay Until Repeat:**

Tap to move the slider to lengthen or shorten the time between typing the first key to repeat and the appearance of the subsequent repeated keys.

**Test Repeat Settings:**

You can test your selection on the edit line at the bottom of the screen. Hold down a key in this edit line to test for Key Repeat Rate and Delay Until Repeat.

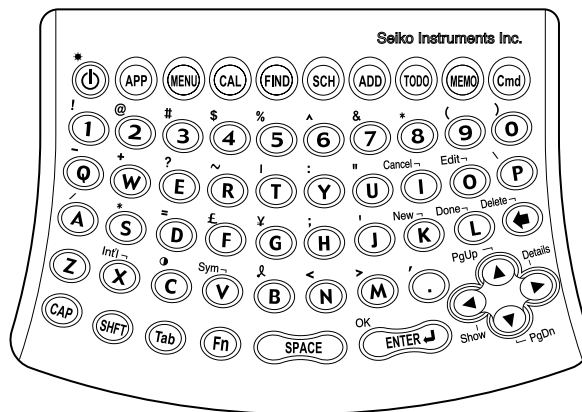
**Enable Keyboard:**

Tap to turn the keyboard driver off and on. The default setting is on. To enable the keyboard driver, you must press  key on ThumBoard after tapping.

# Keyboard Functions

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## ■ Keyboard layout



Model: TB5000

## ■ Basic keyboard functions

This table lists the basic keyboard functions that are available on your portable ThumBoard.

[Key]	[Action]
	Turns your handheld on/off
<b>APP</b>	Activates the Application Launcher
<b>MENU</b>	Opens the menu bar
<b>CAL</b>	Opens the Calculator application
<b>FIND</b>	Looks up records

<b>SCH</b>	Opens the application associated with the Date Book button
<b>ADD</b>	Opens the application associated with the Address button
<b>TODO</b>	Opens the application associated with the To Do List button
<b>MEMO</b>	Opens the application associated with the Memo Pad button (Palm V ,Vx)
<b>( NOTE</b>	Opens the application associated with the Note Pad button (Palm m500, m505)
<b>Cmd</b>	Activates the Command Mode
<b>←</b>	Backspace
<b>CAP</b>	Switches between uppercase letter and lowercase letter
<b>SHFT</b>	Caps shift or clip function
<b>Tab</b>	Moves cursor to the next field
<b>Fn</b>	Uses it with other keys to perform extended function
<b>SPACE</b>	Inserts a space in the edit line
<b>ENTER</b>	Confirms an operation or linefeeds
<b>Fn - ⏻</b>	Toggles backlit

# Keyboard Shortcuts

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This section lists the keyboard shortcuts that are available on your ThumBoard.

## ■ *Cursor movements*



This table lists the shortcuts for moving the cursor and selecting text.

[Shortcut]	[Action]
SHFT - ◀	Selects character to the left of the cursor
SHFT - ▶	Selects character to the right of the cursor
SHFT - ▲	Selects previous line
SHFT - ▼	Selects next line

(Hold the **SHFT** key pressing)



Press the ▲ or ▼ key to move the cursor upward or downward and press the ◀ or ▶ key to move the cursor to the left or to the right, but it is only available when the cursor in the same field. Hold the arrow keys to move the cursor continuously until to the beginning or ending of a field.

<b>Fn -</b>		Page up
<b>Fn -</b>		Page down
<b>Tab</b>		Moves cursor to the next field
<b>Fn - Tab</b>		Inserts a tab in a line

## ■ *Menu commands*

Press the **Cmd** key to enter Command mode.  
The pop-up Command window will last for about 2 seconds, then it will be closed.

This table lists the key combinations to activate handheld commands.

<b>[Key]</b>	<b>[Action]</b>
<b>C</b>	Copies selected text
<b>X</b>	Cuts selected text
<b>P</b>	Pastes cut or copied text
<b>U</b>	Cancel an operation
<b>S</b>	Selects all
<b>D</b>	Deletes selected text or record
<b>N</b>	Creates new record

## ■ *Extended character set*

This table lists the key combinations to generate extended characters.

[Keystroke]	[Character]	[Description]
<b>Fn - 1</b>	!	Exclamation mark
<b>Fn - 2</b>	@	At; each
<b>Fn - 3</b>	#	Number
<b>Fn - 4</b>	\$	Dollar
<b>Fn - 5</b>	%	Percent sign
<b>Fn - 6</b>	^	Caret
<b>Fn - 7</b>	&	And
<b>Fn - 8</b>	*	Asterisk
<b>Fn - 9</b>	(	Left single curve
<b>Fn - 0</b>	)	Right single curve
<b>Fn - Q</b>	-	Hyphen
<b>Fn - W</b>	+	Plus sign
<b>Fn - E</b>	?	Question mark
<b>Fn - R</b>	~	Tilde
<b>Fn - T</b>		Vertical line
<b>Fn - Y</b>	:	Colon
<b>Fn - U</b>	"	Quotation mark
<b>Fn - P</b>	\	Slant
<b>Fn - A</b>	/	Virgule
<b>Fn - S</b>	*	Multiply sign
<b>Fn - D</b>	=	Equal mark

<b>Fn - F</b>	£	Pound sterling
<b>Fn - G</b>	¥	Japanese yen
<b>Fn - H</b>	;	Semicolon
<b>Fn - J</b>	'	Apostrophe
<b>Fn - X</b>	(Int'l)	Int'l keyboard with ascent characters
<b>Fn - C</b>	☐	Contrast key (TB5000, TB5100)
<b>Fn - V*</b>	(Sym)	Displays the extend characters
<b>Fn - B</b>	⌘	Shortcut key
<b>Fn - N</b>	<	Left angle brackets
<b>Fn - M</b>	>	Right angle brackets
<b>Fn - .</b>	,	Comma

\* Press **Fn - V** (Sym) key, the figure below will appear:

•	™	®	©	‘	’	“	”	
§	◦	+	-	×	÷	=	¢	
€	¥	£	ı	ı	β	μ	f	ø

Tap one of the symbols to insert it and the Extended Characters figure will disappear. You can also close it by pressing **Fn - L** (Done) key.

## ■ *Button shortcuts*

This table lists the key combinations to activate onscreen buttons.

[Entry]	[Equivalent onscreen button]
<b>Fn - ENTER</b>	OK
<b>Fn - I</b>	Cancel
<b>Fn - O</b>	Edit
<b>Fn - K</b>	New
<b>Fn - L</b>	Done
<b>Fn - ←</b>	Delete
<b>Fn - ◀</b>	Show
<b>Fn - ▶</b>	Details

## Frequently Asked Questions

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**1. Q: Can I use the TB5000 / TB5100 / TB5500 with other handheld device?**

A: No. TB5000 / TB5100 / TB5500 are designed exclusively for PalmV, Vx / m500 / m505 respectively.

**2. Q: What should I do when the HotSync screen pops up after attaching the ThumBoard?**

A: It means that you have not connected the ThumBoard and your handheld correctly. To exit the HotSync program, just tap Cancel button on your handheld and then press the power key on ThumBoard to enable the ThumBoard application. And you are suggested to turn off your handheld before attaching or removing the ThumBoard.

When "Enable Keyboard" is not checked, it always go to HotSync screen after attaching. The ThumBoard establishes communication with Palm by first sending HotSync request. If ThumBoard driver is not enabled, your handheld will treat this HotSync request coming from the cradle.

**3. Q: Can I perform the HotSync operation after attaching the ThumBoard?**

A: No. The ThumBoard does not replace the functionality of your cradle. After entering data with the ThumBoard, remove it and then perform a HotSync operation.

**4. Q: What should I do when I cannot type data into my handheld with the ThumBoard?**

A: Go to ThumBoard application and check if ThumBoard is activated by ticking on checkbox. Press the power key on ThumBoard to set up connection again.

Check to make sure that the ThumBoard and your handheld are connected properly.

Check to make sure that the ThumBoard application is installed successfully on your handheld.

**5. Q: Why I cannot use the ThumBoard to pick an item from a list or a menu and select onscreen buttons?**

A: The ThumBoard cannot replace all of the pen-and-touch functions. When you cannot perform an operation with the ThumBoard, just use your stylus to do it.

**6. Q: What should I do when my handheld shows repeat keys after I remove the ThumBoard while holding down a key?**

A: Press the power button of your handheld to stop it.

**7. Q: Why does the ThumBoard not work after I press Reset key on my handheld?**

A: You need to press the power key on ThumBoard to set up connection again.

**8. Q: Why I cannot type the first letter as a capital letter even the "up arrow" symbol appears in the lower-right corner of the screen?**

A: You experience this only if you are using Palm OS version 3.3 or earlier. You should use the SHFT key or the CAP key on the ThumBoard to activate the Caps or the Caps Shift.

**9. Q: Why I cannot beam data when I using ThumBoard?**

A: You will read the message of "Could not initialize library." if you try to beam data when using ThumBoard. The ThumBoard and beaming share the specific hardware, so you should enter ThumBoard application to disable ThumBoard first and then you can beam data. After finishing beaming, enable ThumBoard application and attach it back to your handheld.

**10. Q: Why does the Fn key not work?**

A: The **Fn** key does not work when a selection list pops up, e.g., the category list on top right corner in main menu of application launcher.

**11. Q: Why I cannot type characters to select expense type?**

A: If you press the **Fn** key before calling out the pop-up list of expense type, you cannot select the type by typing characters. You can press up/down arrow key to scroll the type list.

**12. Q: Why I cannot connect to modem by IR? The message is "Error: Serial: port in use (0x0307)".**

A: It is because serial port is in use by ThumBoard. You should disable ThumBoard first. You can again enable ThumBoard by check on Enable Keyboard and press Power button on ThumBoard.

**13. Q: How can I enter the time of an event in the Date Book application with ThumBoard?**

A: You can open the Set Time dialog (to select a start time) by making sure no event is selected, and then press the number key on the ThumBoard directly.

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### ***Proper use***

To ensure a long and useful life from this precision electronic instrument, do not expose the unit to the following:

Extreme heat or cold / Water or other liquids including spray cleaners / Extreme pressure (such as carrying in a back pocket)

Doing any or all of these things may:

Render the unit inoperable / Invalidate the warranty

## ***Disclaimer and Important***

The manufacturer assumes no responsibility for any damage or loss resulting from using this handbook.

The manufacturer assumes no responsibility for any loss and claims by the third parties which may arise through the use of ThumBoard. The manufacturer assumes no responsibility for any damage or loss caused by deletion of data as a result of malfunction, dead battery, or repairs. Be sure to make backup copies of all important data on other media to protect against data loss.

## ***FCC Statement***

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.

Note:

This equipment has been tested and found to comply with the limits for Class B digital devices 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 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 tuning 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 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 experience radio/TV technician for help.

## **Specifications**

Keys: Rubber 58(55) keys

Temperature range: 32°F to 104° F (0° C to +40° C)

Size: TB5000 / 97.5 (W) × 68 (H) × 21 (D) mm

TB5100 / 97.5 (W) × 68 (H) × 22 (D) mm

TB5500 / 97.5 (W) × 68 (H) × 23 (D) mm

Weight: approx 50g

Case material: ABS Plastic

- \* Specifications may change without notice in order to make product improvements.

## **ONE YEAR LIMITED WARRANTY**

1. This product is warranted to be free from defects in material or workmanship for one year from date of purchase.
2. Repair (or at our option, replacement) will be made on any unit which proves to be defective during this period. Carefully pack the unit along with proof of purchase and a completed copy of the Warranty Record you will find in this manual. Postage, insurance and shipping costs incurred in returning the product for warranty service are your responsibility.
3. This warranty does not extend to units which have been subjected to misuse, abuse, neglect, accidents or to units that have been used in violation of the operation instructions. If in our judgement, the unit shows evidence of having been altered, modified or serviced without our authorization, it will be ineligible for service under this warranty.

Seiko Instruments Austin Inc. shall not be liable for any direct, consequential or incidental damages arising out of use of this product. Seiko Instruments Austin Inc. shall not be responsible for damages to this unit as a result of a natural or unnatural disaster, except to the extent prohibited by applicable law. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of the warranty.