

Introduction to the Unit

This chapter explains how to use your CyberDict VII for the first time, the keys and controls, power sources, default system settings and basic operations of your CyberDict VII. We hope it will help you to use this device. Please proceed to the following chapters for details of each function under different main menus.

1. How to Use CyberDict VII for the First Time

- Insert the rechargeable NiH battery pack that comes with the device or 2 size AAA batteries into the battery compartment.
- Press [ON/OFF] to turn on your CyberDict VII.
- If the screen remains blank after pressing [ON/OFF], please follow the instructions below:
 - (1) Be sure the rechargeable NiH battery pack or the size AAA batteries are securely in place.
 - (2) Press [Shift] [▲] or [Shift] [▼] for a few seconds to adjust the LCD contrast for optimal screen viewing.
- Press [RESET] and follow the instructions shown on the screen.
 - (1) Tap the centers of the targets “+” to calibrate the sensitivity and accurate position of touch panel, there are 3 targets to be tapped: lower left, upper right and center.
 - (2) After displaying Startup Picture, a selection window appears:



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- * Tap [N] to access the main menu.
- * Tap [Y], all the default settings will be used.
- * If you tick [Clear User Data], and tap [Y], all the personal data and setting will be deleted.
- * If you tap [Y], then you are allowed to change system date time and the local city.



- * Tap [F1] to set the format of the date and time.
- The main menu of Dictionaries will be shown.
- Press [⇐] to shift between Thai, English or Icons modes in the main menu.

2. Precautions

- A. Use the rechargeable battery pack and the power adaptor that come with this device only. Do not separate the batteries of the rechargeable battery pack.
- B. To maximize the life of the rechargeable battery pack, please recharge only when the battery low message is indicated.
- C. If you use alkaline batteries, please replace new batteries when the battery low message is indicated.
- D. Remove the main battery(ies) to avoid leakage and damage to the unit whenever the device will not be used over an extended period of time.

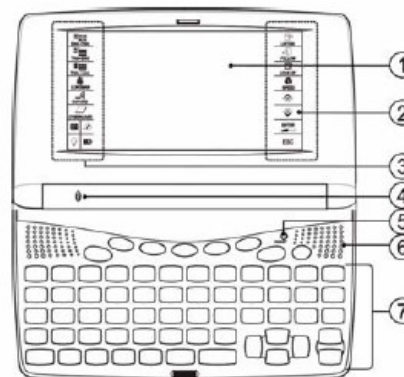
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- E. All your personal data should be copied onto separate permanent printed records.
- F. Resetting the unit will cause permanent personal data loss.
- G. Use the stylus that comes with this device only to avoid scratching on the screen.
- H. When cleaning, rub the screen lightly with a clean, dry and soft cloth. Do not use any volatile liquids
- I. The device is not waterproof. Please keep it away from any liquid.
- J. Use only the “CyberCard” of our products and insert them in correct direction.
- K. The screen may crack if the unit falls on the ground.
- L. Any damage caused by the above reasons is not covered by warranty.

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3. Product Layout

Obverse side:

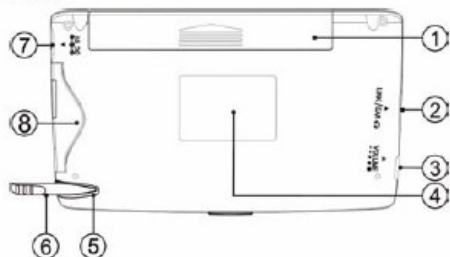


Description:

No	Function	Description
1	Screen	LCD screen, 240*160 pixels
2	Right on-screen control keys	Touch panel control
3	Left on-screen control keys	Touch panel control
4	Microphone	A built-in microphone for voice recording
5	On/Off	Power on/off
6	Speaker	For voice and sound effect
7	Keyboard	Keyboard

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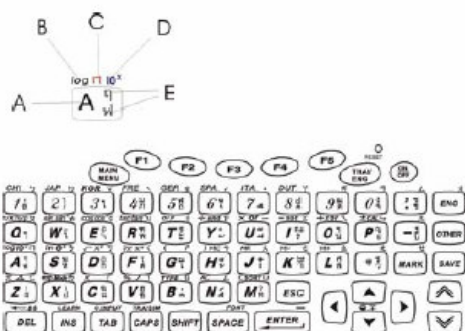
Reverse Side:



Description:

No	Function	Description
1	Battery compartment	To insert the rechargeable NiH battery pack or 2 size AAA alkaline batteries
2	LINK/EAR socket	PC-link and earphone socket
3	Volume	Volume control
4	Main Label	Indicates the manufacturer, pattern numbers, place of origin and serial numbers
5	Stylus Slot	Slot for inserting the stylus
6	Stylus	To activate the on-screen functions
7	DC Socket	DC 6V/500mA adaptor socket
8	CyberCard Slot	Slot for inserting a CyberCard

4.Keyboard Layout



4.1 Key Descriptions

The letters located at the upper-left, upper-center and upper-right corners of the keyboard refer to the following:






English letter



- A. Mathematical signs
- B. Mandarin phonetic symbol
- C. Mathematical signs
- D. Thai character

4.1 Keyboard Buttons













Key	Descriptions / Functions
	To initialize the system
	Power on / off button
	Under the main menus, press it to shift from one to another Return to the main menu
	Select main menus
	Function keys, same as F1-F5 on the screen
	Switch among English/Thai/Icon modes menu.
	Switch English/Thai input mode when editing data
	Listen in English
	Mandarin phonetic symbol ㄅ
	Listen in Chinese, Japanese or Korean
	Save current record or data
	Save an item for review and test
	Input special symbols
	Mandarin phonetic symbol ㄆ
	Hyphen "-" for the text
	Press [Shift] + to input underline " _ " for the text
	Mandarin phonetic symbol ㄇ
	Thai character ฃ
	Thai character ฅ
	Asterisk * for the text
	Press [Shift] + to input question mark "?" for the text
	Mandarin phonetic symbol ㄏ

	Thai character ฌ
	Thai character ฌ
	Move the cursor up
	Press [Shift] + to adjust LCD contrast
	Move the cursor down
	Press [Shift] + to adjust LCD contrast
	Move the cursor to the left
	Move the cursor to the right
	View the previous entry or page
	View the next entry or page
	Numeric key "1"
	The first tone of Chinese PinYin input methods
	Mandarin phonetic symbol ㄅ
	Thai character ฃ
	Thai character ฅ
	View Chinese in Travel Dialogues
	Numeric key "2"
	The second tone of Chinese PinYin input methods
	Mandarin phonetic symbol ㄆ
	Thai character ฃ
	Thai character ฅ
	View Japanese in Travel Dialogues
	Numeric key "3"
	The third tone of Chinese PinYin input methods
	Mandarin phonetic symbol ㄏ
	Thai character ฃ












	View Korean in Travel Dialogues
	Numeric key "4"
	The fourth tone of Chinese PinYin input methods
	Mandarin phonetic symbol ㄣ
	Thai character ๙
	Thai character ๙
	View French in Travel Dialogues
	Numeric key "5"
	Mandarin phonetic symbol ㄥ
	Thai character ๕
	Thai character ๕
	View German in Travel Dialogues
	Numeric key "6"
	Mandarin phonetic symbol ㄨ
	Thai character ๖
	Thai character ๖
	View Spanish in Travel Dialogues
	Numeric key "7"
	Mandarin phonetic symbols ㄩ (light tone)
	Thai character ๗
	Thai character ๗
	View Italian in Travel Dialogues
	Numeric key "8"
	Mandarin phonetic symbol ㄨ
	Thai character ๘
	Thai character ๘

	Numeric key "8"
	Mandarin phonetic symbol ㄨ
	Thai character ๘
	Thai character ๘
	View Dutch in Travel Dialogues
	Numeric key "9"
	Mandarin phonetic symbol ㄨ
	Thai character ๙
	Thai character ๙
	Thai character ๙















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	Thai character ๙
	Numeric key "0"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Full stop "." for the text
	Press [Shift] +  to input coma "," for the text
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Decimal point for calculators
	English letter "Q"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Press [Shift] +  to input mathematic sign "hyp"
	Mathematic sign "1/X"
	English letter "W"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Press [Shift] +  to input mathematic sign "sin"
	Mathematic sign "sin"
	English letter "E"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Press [Shift] +  to input mathematic sign "cos"
	Mathematic sign "sin"
	English letter "E"
	Mandarin phonetic symbol ㄨ
	Thai character ๐

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	Mathematic sign "cos"
	English letter "R"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Press [Shift] +  to input mathematic sign "tan"
	Mathematic sign "tan"
	English letter "T"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Mathematic sign "or"
	English letter "Y"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Press [Shift] +  to input logical sign "and"
	Mathematic sign "and"
	English letter "U"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Press [Shift] +  to input logical sign "or"
	Mathematic sign "or"
	English letter "I"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Thai character ๐

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	Press [Shift] +  to input logical sign "not"
	Mathematic sign "not"
	English letter "O"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Press [Shift] +  to input logical sign "xor"
	Mathematic sign "xor"
	English letter "P"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Press [Shift] +  to calculate the result in Statistical calculator
	Mathematic sign "10^"
	English letter "A"
	Mandarin phonetic symbol ㄨ
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Press [Shift] +  to input mathematic sign "log"
	Mathematic sign "log"
	English letter "S"
	Mandarin phonetic symbols ㄨ
	Thai character ๐
	Thai character ๐
	Thai character ๐
	Press [Shift] +  to input mathematic sign "e^"
	Mathematic sign "e^"
	English letter "S"
	Mandarin phonetic symbols ㄨ
	Thai character ๐

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	Mathematic sign "ln"
	English letter "D"
	Mandarin phonetic symbol ㄉ
☐	Thai character ด
	Thai character ฅ
	Press [Shift] + ☐ to input mathematic sign " χ "
	Mathematic sign " $\sqrt{}$ "
	English letter "F"
	Mandarin phonetic symbol ㄝ
☐	Thai character ฟ
	Thai character ฝ
	Press [Shift] + ☐ to input mathematic sign " χ "
	Mathematic sign " $\sqrt[3]{}$ "
	English letter "G"
	Mandarin phonetic symbol ㄍ
☐	Thai character ก
	Thai character ฌ
	Mathematic sign "("
	English letter "H"
	Mandarin phonetic symbol ㄏ
☐	Thai character ห
	Thai character ฬ
	Press [Shift] + ☐ to input mathematic sign "MC"
	Mathematic sign ")"
	English letter "J"
	Mandarin phonetic symbol ㄐ
☐	Thai character จ
	Thai character ฌ

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	Thai character ิ
	Mathematic sign "MR"
	English letter "K"
☐	Mandarin phonetic symbol ㄎ
	Thai character ค
	Thai character ฅ
	Mathematic sign "M-"
	English letter "L"
	Mandarin phonetic symbol ㄌ
☐	Thai character ล
	Thai character ฬ
	Mathematic sign "M+"
	English letter "Z"
	Mandarin phonetic symbol ㄌ
	Thai character ฌ
	Thai character ฬ
☐	Press [Shift] + ☐ to convert degree/radian/gradient in scientific calculator
	Mathematic sign " π "
	English letter "X"
	Mandarin phonetic symbol ㄒ
☐	Thai character ฌ
	Thai character ฎ
	Press [Shift] + ☐ to convert counting system DEC/BIN/HEX/OCT in scientific calculator
	Mathematic sign "exp"
	English letter "C"
☐	Mandarin phonetic symbol ㄘ

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	Thai character ฌ
	Thai character ฎ
	Mathematic sign "X"
	English letter "V"
	Mandarin phonetic symbol ㄩ
	"ü" of Chinese PinYin input method
☐	Thai character ฎ
	Thai character ฏ
	Press [Shift] + ☐ to input mathematic sign "!"
	Mathematic sign "%"
	English letter "B"
	Mandarin phonetic symbol ㄅ
☐	Thai character บ
	Thai character ฝ
	Press [Shift] + ☐ to change "General Plotting" or "Shade Plotting" in Graphic Calculator.
	English letter "N"
	Mandarin phonetic symbol ㄋ
☐	Thai character น
	Thai character ฌ
	Mathematic sign "AC"
	English letter "M"
☐	Mandarin phonetic symbol ㄇ
	Thai character ม
	Thai character ฌ
	Press [Shift] + ☐ to access sort function in statistical calculator

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	Mathematic sign "C"
☐	Exit current function
	Delete a letter or character after the cursor.
☐	Press [Shift] + ☐ to delete a letter or character at / in front of the cursor
	Delete selected item, same as [DEL] on the screen
☐	Shift insert or replace mode
☐	Press [Shift] + ☐ to activate "Naturalistic Learning function"
☐	To shift among the fields
☐	Press [Shift] + ☐ to select input method
☐	Lock the keyboard for inputting capital letters in English
☐	Press [Shift] + ☐ to switch traditional Chinese characters or simplified Chinese characters
☐	Temporarily lock the keyboard for inputting a capital letters
	Combine with other keys
	Enter a space when editing data
☐	The light tone of Chinese PinYin input method
☐	Change the font size when displaying definitions in specified dictionary
	Confirm current operation
☐	Add a new line during editing
	Calculate the result in mathematical function, as [=] key

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5. On-Screen Control Keys

	Eng-Thai Dictionary
	Thai Eng Dictionary
	Thai-Thai Dictionary
	Longman Dictionary
	Oxford Dictionary
	Cybercard
	Calculator / Name Card Manager
	LCD Backlight / Battery Power
	Listen
	Repeat after the device
	Lookup the meaning of the highlighted word
	Speed of Speech adjustment
	View the previous entry or page
	View the next entry or page
	Same as [ENTER] on the keyboard
	Same as [ESC] on the keyboard

6. Power Source

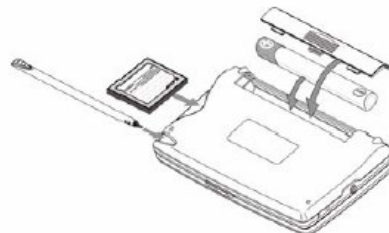
- 6.1 Main power:** One of the following power sources can be used.
- The rechargeable NiH battery pack that comes with the unit is highly recommended for environmental and economical reasons.
 - 2 size AAA batteries. Recyclable alkaline batteries are recommended.
 - A power adaptor with DC output 6V/500mA. This power source can be combined with option A or B.

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Caution:

- Remember to switch off the power before replacing the battery.
- To prevent battery leakage which may damage the unit, do not mix old and new batteries.
- Damage caused by a power adaptor of another model is not covered by the warranty.

6.2 How to install / replace the rechargeable battery pack



Install

- Switch off the power if an adaptor is connected.
- Remove the main battery cover.
- Insert the battery pack into the compartment following the polarity diagram.
- Close the battery cover tightly.

Remove

- Switch off the power.
- Open the main battery cover.
- Remove the battery pack.

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6.3 How to replace size AAA batteries

- Switch off the power.
- Open the battery cover. Remove all old batteries.
- Insert 2 size AAA alkaline batteries of the same brand following the polarity diagram.
- Close the cover tightly.

6.4 How to recharge the battery pack on your CyberDict VII

- Be sure to use a Besta DC6V/500mA power adaptor.
- Plug the charging adaptor into the DC socket on your CyberDict VII.
- Plug the power adaptor into a wall outlet.
- Your CyberDict VII will turn on automatically to recharge the rechargeable battery pack. The charging circuit will turn off automatically while the rechargeable battery is fully charged.
- Tap the battery symbol on-screen to check the battery power status.

7. Main Menus

- Tap [F1]-[F5] on the screen to select a main menu.
- Press /[F1]-[F5] key to select a main menu.
- Under any main menus, tap the item or press the corresponding number to access a function.
- Under any main menus, press page down to view more items in the same main menu.

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Main Menus

F1. Dictionary

F1 Dict	F2 Learn	F3 Pin	F4 Math	F5 Time
1 English - Thai Dictionary				
2 Thai - English Dictionary				
3 Thai - Thai Dictionary				
4 Longman English Dictionary				
5 Oxford Dictionary				
6 Idioms and Phrases Dictionary				

F1 Dict	F2 Learn	F3 Pin	F4 Math	F5 Time
1 User's Dictionary				
2 CyberCard				

F1 Dict	F2 Learn	F3 Pin	F4 Math	F5 Time
1 Computer Dictionary				
2 Engineering Dictionary				
3 Management Science Dictionary				
4 Legal Dictionary				
5 Abbreviation Dictionary				
6 Homonym Dictionary				

F2. Learn

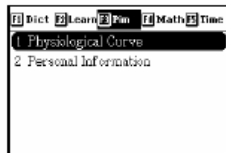
F1 Dict	F2 Learn	F3 Pin	F4 Math	F5 Time
	1 English Proficiency Test			
	2 Naturalistic Learning Method			
	3 English Sentence Exercises			
	4 Listening and Learning			
	5 TOEFL Exam Exercises			
	6 Revision Dictionary			

F1 Dict	F2 Learn	F3 Pin	F4 Math	F5 Time
	1 Proverbs			
	2 Travel Dialogues			
	3 Useful Vocabularies			
	4 English Names			
	5 English Affixes			
	6 Adjectives			

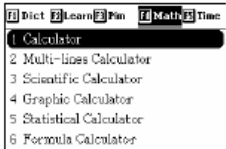
F1 Dict	F2 Learn	F3 Pin	F4 Math	F5 Time
	1 Verb Patterns			
	2 Dictionary Appendix			

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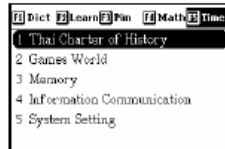
F3. PIM



F4. Math



F5. Time



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8. Default System Settings

Local city:	Bangkok
Local time setting:	(06.15.2003), (08:00AM)
World city:	Tokyo
World time setting:	(06.15.2003), (10:00AM)
World city:	New York
World time setting:	(06.14.2003), (08:00PM)
Time system:	12-hours system
Alarm setting:	Off
Pen & Keys Tone:	On
Daylight-saving Time:	None
Display language:	Thai
Power Cut-off Interval:	5 minutes
Opening setting:	Dictionary Main Menu
Password setting:	None


9. Basic Operation – Input Method


9.1 Inputting English with keyboard

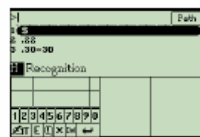
- Press [THAI/ENG] to switch to the English input mode; then enter English letters and numbers.
- Press [CAPS] to lock the keyboard for inputting capital or lower case letters.
- Press [SHIFT] before inputting an English letter to shift it to upper / lower case.


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9.2 Inputting English with software keyboard




Whenever the icon  is displayed on the screen, it means software keyboard or handwriting recognition is available.

- Tap handwriting icon  under English input mode.




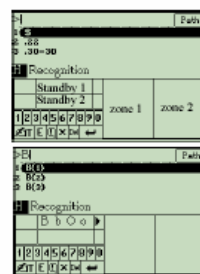
- Tap  to activate English Soft Keyboard.



- Tap the corresponding alphabets to input English letters.
- Tap  to activate Symbol Soft Keyboard.
- Tap  to close the Soft KeyBoard function.
- Tap  to activate English handwriting recognition.

9.3 English handwriting recognition

- Tap  under English input mode.
- Write English letters in the handwriting zones with stylus.
- The identified letters will be shown in the corresponding standby zones within a few seconds and the first letters will be put in the




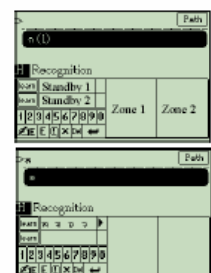
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9.4 Inputting Thai with keyboard

- Press [THAI/ENG] to switch to Thai input mode.
- Press the key directly or [SHIFT] + key to input Thai characters.

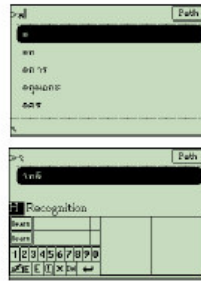
9.5 Thai handwriting recognition

- Tap  under Thai input mode.
- Write Thai characters in the handwriting zones with stylus.
- The identified Thai characters will be shown in the corresponding standby zones within a few seconds and the first character will be put in the editing area automatically.



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- D. If the first character of the standby zone is not what you expect, tap to select the character you need from standby zone.
- E. Write your text in the handwriting zones 1 & 2 alternatively. You can write in another handwriting zone while the system is recognizing your handwriting.
- F. If none of the characters shown in the standby zone match your handwriting, you can tap **learn** to access the keyboard input mode. Enter the Thai character with the keyboard and the system will "learn" to correspond your handwriting with the word you entered.
- G. Tap **EN** to activate English handwriting recognition.
- H. Tap **E** to activate English Soft Keyboard.
- I. Tap **Q** to activate Symbol Soft Keyboard.
- J. Tap **X** to close the handwriting recognition function.
- K. Tap **Del** to delete a character, same as [DEL] on the keyboard.
- L. Tap **Enter** to enter data or begin a search, same as [ENTER] on the keyboard.



9.6 Inputting Special Symbols with keyboard

Under English input mode, press [MARK] and select the special symbols.

, . ! @ # \$ % ^ & * () = _ [] { } < > ; ' ' + - ~ ` | / \ ?

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9.7 Inputting Special Symbols with Soft Keyboard

- A. Tap handwriting icon **EN** under English input mode.
- B. Tap **Q** to activate Symbol Soft Keyboard.
- C. Tap to select the symbols you need.
- D. Tap **ENGLISH** to activate English Soft Keyboard.
- E. Tap **X** to close the Soft Keyboard function.
- F. Tap **EN** to activate English handwriting recognition.



9.8 Inputting Chinese with keyboard

You are allowed to input Chinese characters when using a CyberCard which has Chinese-English or Chinese-Chinese dictionary. It means you can learn both English and Chinese with your CyberDict VII.

- A. Press [Shift] + **TA** or tap the input method symbol shown on the screen to select your favorite Chinese input method.



- 拼** : Chinese Pinyin input method
- 總** : Total strokes
- 內** : Internal Code
- 注** : Mandarin Phonetic symbols
- 部** : Radical Strokes

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- 倉** : ChangJie
- 廣** : Cantonese Pinyin
- 簡** : Simplified ChangJie

- B. In the first screen of Oxford Dictionary or Chinese-English Dictionary, you can press [Shift] + **CA** to display Chinese content in Chinese traditional or simplified characters.
- C. The 5 tones for Mandarin Phonetic Symbols input method:

- 7** : The light tone
- SPACE** / **ENTER** : The first tone
- 6** : The second tone
- 3** : The third tone
- 5** : The fourth tone

- D. The 5 tones for Chinese Pinyin method:

- SPACE** : The light tone
- 1** : The first tone
- 2** : The second tone
- 3** : The third tone
- 5** : The fourth tone

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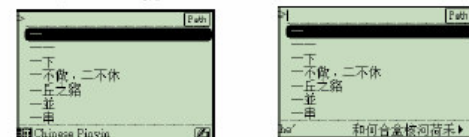
- E. Keyboard layout for ChangJie & Simplified Changjie Input methods.



- F. Input the symbols corresponding to the specified input methods.
- G. Press the corresponding numeric keys to select the desired Chinese character or tap on the Chinese character directly.
- H. Some examples to input "和"

Chinese Pinyin Input Method:

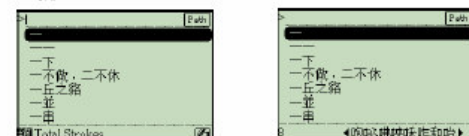
Enter "he2", select "和"



Total Strokes input method:

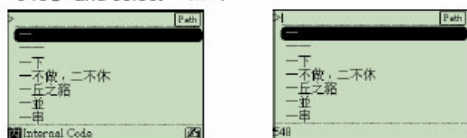
Enter "8" and press **8** for many times until you found "和".

Select "和"



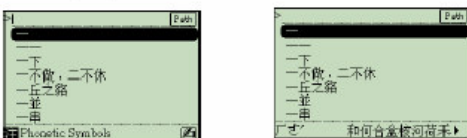
28

Internal Code input method:
Enter "548C" and select "和".



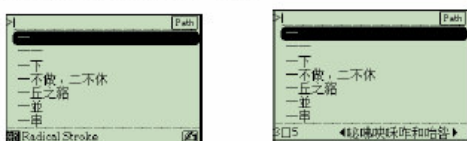
Mandarin Phonetic Symbols input method:

Enter "和" (ck6), select "和".

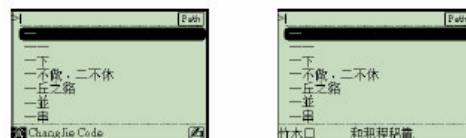


Radical Stroke input method:

Enter "3", press [2] to select "口", then enter "5" for the remaining strokes. Press [] and select "和".



ChangJie Input Method:
Enter "竹木口" (HDR), select "和".



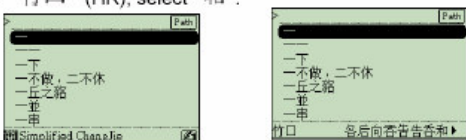
Cantonese Pinyin input method:

Enter "WO", press [2] to select "和".




Simplified ChangJie input method:

Enter "竹口" (HR), select "和".



9.9 Chinese Handwriting Recognition

Chinese handwriting recognition can be used in Chinese-English dictionary and Chinese-Chinese dictionary.

A. Tap on the handwriting icon  under Chinese input mode.




B. Write Chinese character in the handwriting zone with stylus.


C. The identified Chinese characters will be shown in the standby zone within a few seconds and the first character will be put in the editing area automatically.



D. If the first character of the standby zone is not what you expect, tap to select the character you need from standby zone.

E. Tap  to close the handwriting recognition function.

F. Tap  to delete a character, same as [DEL] on the keyboard.

G. Tap  to enter data or begin a search, same as [ENTER] on the keyboard.

9.10 Hints for handwriting recognition

- Write English/Thai/Chinese letters or characters in the English/Thai/Chinese handwriting zone.
- Write Chinese characters in regular script.
- Write Chinese characters using standard strokes.

D. Write the letters or characters legibly.

E. Avoid unnecessary marking and strokes.

F. Standard Chinese strokes are writing from left to right, from up to down, from outside to inside.

Dictionary

Distinctive Features:

- Pronounce Voxware human voice in English-Thai Dictionary, Longman Dictionary and Oxford Dictionary.
- Up to 20 cross-search windows.
- Allows English/Thai/Chinese handwriting recognition, depends on the language to be inputted.
- The Oxford Advanced Learner's English-Chinese Dictionary includes English-English and English-Chinese definitions.
- Built-in 9 Chinese input methods for inputting Chinese in Chinese-English Dictionary and Chinese-Chinese Dictionary: Chinese handwriting recognition, Chinese Pinyin, Total Strokes, Internal Code, Mandarin phonetic symbols, Radical strokes, ChangJie, Cantonese Pinyin and Simplified ChangJie.

1. English-Thai Dictionary

- Built-in Nation's Most Entries English-Thai Dictionary.
- Provides secondary search: spelling check and the nearest word.
- Provides smart and wildcard searching.
- Provides comprehensive explanations, example sentences, phrases, grammar, synonyms and antonyms.
- Provides listen and read function, you can listen to the pronunciation of CyberDict VII, then repeat after the pronunciation, your voice will be recorded and replayed for your comparison.
- Stores vocabulary for review and testing.

2. Thai-English Dictionary

- Built-in Nation's Most Entries Thai-English Dictionary.

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word.

6. Idioms and Phrases Dictionary

- Built-in Dr.Wit's Idioms and Phrases Dictionary.

7. Computer Dictionary

- Built-in Dr.Wit's Computer, Internet and IT Dictionary.

8. Engineering Dictionary

- Built-in Dr.Wit's Engineering Dictionary.

9. Management Science Dictionary

- Built-in Dr.Wit's Management Science Dictionary.
- Classified into Management, Commerce, Marketing, Banking, Finance, Accounting and Economic dictionaries.

10. Legal Dictionary

- Built-in Dr.Wit's Legal Dictionary.
- Classified into English-Thai and Thai-English Legal Dictionaries.

11. Abbreviation Dictionary

- A wide coverage of abbreviation words.

12. Homonym Dictionary

- A wide coverage of Homonym words.

13. User's Dictionary

- Allow user to create word banks for the new words.

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- Provides comprehensive English explanations.

3. Thai-Thai Dictionary

- Built-in Dr.Wit's Thai-Thai Dictionary.
- Provides detailed Thai definitions.

4. Longman English Dictionary

- Built-in Longman Dictionary of American English.
- The Longman Defining Vocabulary is limited to the 2000 most common English words, makes definitions easy to understand.
- Real example sentences, from real conversations and texts, show how words are actually used.
- Provides secondary search: spelling check and the nearest word.
- Provides smart and wildcard searching.
- Provides listen and read function, you can listen to the pronunciation of CyberDict VII, then repeat after the pronunciation, your voice will be recorded and replayed for your comparison.
- Stores vocabulary for review and testing

5. Oxford Dictionary

- Built-in Oxford Advanced Learner's English-Chinese Dictionary.
- Covers 57,100 headwords, 81500 sample sentences, 12,720 phrases and idioms.
- Unique 32 verb patterns, with detailed English and Chinese explanations.
- Grammar Notes.
- Provides secondary search: spelling check and the nearest

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14. CyberCard Function

- Expands the functions and databases of the unit.

Note:

Super 5 in 1 CyberCard includes Medical Dictionary, Drugs Dictionary, Diseases and Therapies Dictionary, Chinese-English Dictionary and The Contemporary Chinese Dictionary.

General Operations


1. Under the main menu, press  /  /  /  /  /  to select an item, and then press  to access the function.
2. Press corresponding numeric keys or tap the item on the screen directly to access.
3. Press  to return to the main menu or select main menus.

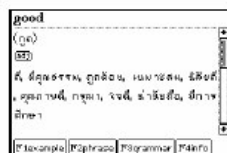
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1.4 Related Data Search

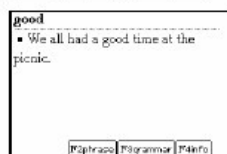
When the corresponding icon appears, press [F1~F4] to look up the related example sentences, phrases, grammar and other information such as synonyms and antonyms.

For example, look up the related data of "good" in English-Thai Dictionary.

Type [g][o][o][d] and press 



Select [F1 example] to view all example sentences of "good".



Select "3 grammar" to look up the grammar of "good".



Note: Other operations are same as above.

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1.5 Cross Search

Highlight any words you want to look up. You might open up to 20 windows to cross search the words among different dictionaries.

A. Type a word.

B. Highlight the Thai/English word(s).

❖ Highlight a word with the stylus:


Tap on the word.


❖ Highlight a string of words with the stylus:

1. Tap on the first word and drag to the last word.

2. Tap on any parts of the screen other than the highlighted area to cancel the highlight.


❖ Highlight a word with keyboard:



1. Press  or  to locate the cursor.


2. Press  to highlight the word.

❖ Highlight a string of words with keyboard:

1. Press  or  to locate the cursor.

2. Press  and  to highlight a string of words.

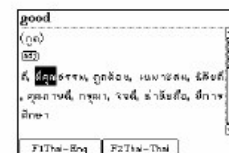
3. Press  or  to cancel.

C. Press  to look up the word(s).

D. Press the corresponding function key at the bottom of the screen to cross-search the explanation in other dictionary.

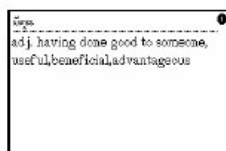
E. Press  to display the previous screen.

For example, cross search a Thai word.

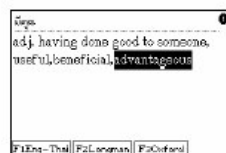


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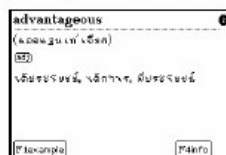
Press [F1 Thai-Eng]



For example, cross search an English word.



Press [F1 Eng-Thai]




Note: The number of the cross-searching windows is shown at the upper right corner of the screen.

1.6 Pronunciation

A. Press  to pronounce the English headword.


B. Tap hot key [SPEED] to adjust speed.


1.7 Storing Data

Press  to store the English headword for reviewing and self-testing. Only the saved words will appear in the Revision Dictionary under [F2 Learn] main menu.

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1.8 Listening and Repeat after the Device

Press [Shift] +  (Learn) in the explanation screen of a headword, you are allowed to listen to the Voxware human voice pronounced by the device and learn to pronounce the word yourself. Your voice will be recorded and replayed for your comparison.

A. Press [Shift] +  in the explanation screen.


B. A message "Standard pronunciation..." appears; the device will pronounce the word accurately.

C. When another message "Please read" is displayed, please pronounce the word yourself close to mic., your voice will be recorded.

D. The device will replay the standard pronunciation and your voice for your comparison. The message "Your..." means your recorded voice.

E. When a message "Continue?" appears, tap [Yes] to compare again, tap [No] or [ESC] to exit the function.

For example, listen and speak the word "tuatara".

Press [Shift] +  in the explanation screen of "tuatara"

Listen to the standard pronunciation.

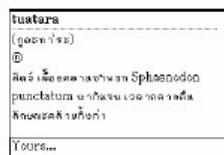
Please pronounce the word yourself.

Your voice will be recorded.

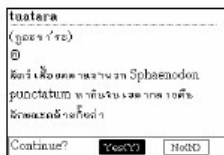


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The device will replay the standard pronunciation and your voice for your comparison



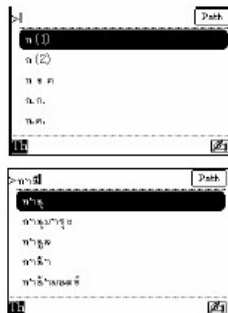
Tap "Yes(Y)" to compare again.
Tap "No(N)" to exit. The recorded voice will be erased.




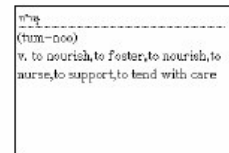
2. Thai-English Dictionary

Tap  under Dictionary menu.

Type Thai characters



Press  to look up the word.




Note: For details of cross search function, please refer to "1.5 Cross search".

3. Thai-Thai Dictionary

Tap  under Dictionary menu.

Type Thai characters



Press  to look up the word.

Note: For details of cross search function, please refer to "1.5 Cross search".


4. Longman English Dictionary


Tap  under Dictionary menu.

For details of instructions, please refer to the operations of "1. English-Thai Dictionary"

Tap [F1Copyright] to view the copyright notice.

Type [l][o][n][g][t][i][m][e]

Press  for the definitions.

Press [Shift] +  to display the explanations screen in smaller / regular fonts.




Tap [eg] for the example sentences of "longtime".



Note: For secondary search, wildcard search, cross search, pronunciation, repeat after the device, storing data, please refer to "1. English-Thai Dictionary".

5. Oxford Dictionary


Tap  under Dictionary menu.

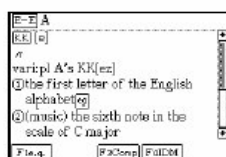
For details of instructions, please refer to the operations of "1. English-Thai Dictionary"

Tap [F1Copyright] to view the copyright notice.

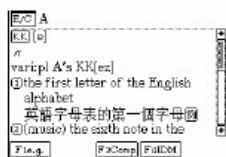
Type [a]




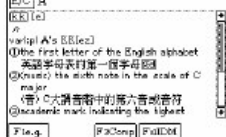
Press  for the English definitions.



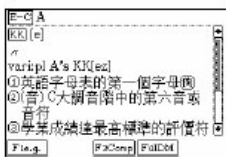
Tap [E-E] to display English and Chinese definitions simultaneously.




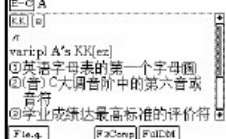
Press [Shift] +  to display the explanations screen in smaller / regular fonts.




Tap [E/C] to display Chinese definitions only.

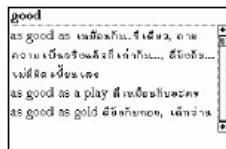


Press [Shift] +  to switch traditional Chinese characters or simplified Chinese characters



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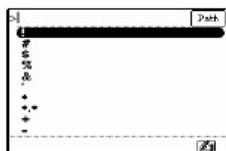
Press  for the explanations.



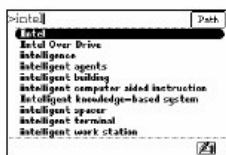
Note: For cross search function, please refer to "1.5 cross search"


7. Computer Dictionary

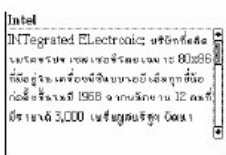
Tap  under Dictionary menu.



Type [I][n][t][e][l]



Press  for the explanations.




Note: For cross search function, please refer to "1.5 Cross search".

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KK phonetic symbols are being displayed. Tap [KK] on the screen to switch to [DJ] for DJ phonetic symbols.



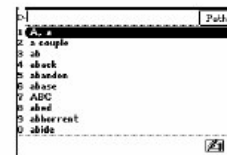
Tap [e.g] or  to display example sentences of the definition.

Note: For secondary search, cross search, related data search, pronunciation, please refer to "1. English-Thai Dictionary".

6. Idioms and Phrases Dictionary

Tap  under the Dictionary menu.

It provides the explanations of English idioms and phrases in Thai.




Type [g][o][o][d]



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8. Engineering Dictionary

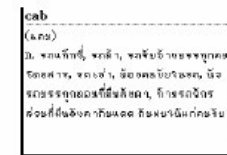
Tap  under the Dictionary menu.



Type [c][a][b]



Press  for the explanation.



Note: For cross search function, please refer to "1.5 Cross search".

9. Management Science Dictionary

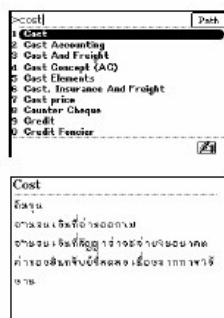
Tap  under Dictionary menu.

Select a dictionary.




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Press for the explanations.



10. Legal Dictionary

Tap  under Dictionary menu.
Select Legal English-Thai or
Thai-English Dictionary.




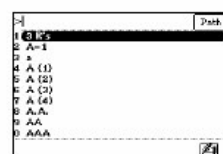
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Type [l][e][a][s][e]

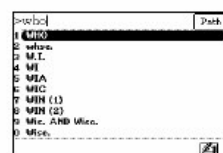
Press for the explanations.

11. Abbreviation Dictionary

Tap  under the Dictionary menu.




Type [w][h][o]

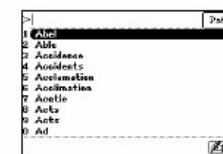


Press for the original word.



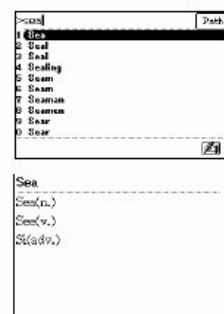
12. Homonym Dictionary


Tap  under the Dictionary menu.




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Type [s][e][a]



Press  for the homonyms of the word.

13. User's Dictionary

Tap  on the second screen of dictionary main menu.

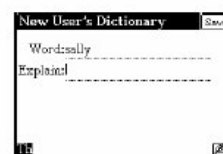
If no data has ever been recorded, the unit will display "Empty! Create?"

Tap [Yes] to create new data.

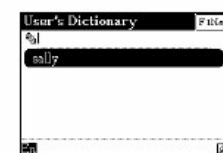


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Input data.

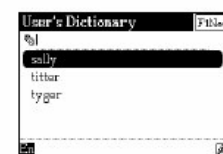


Tap [Save] when finished.



If you have saved some recorded

before, when you tap  User List, index screen will be displayed. Tap [F1 New] to create new data.



14. Super 5 In 1 CyberCard

Please refer the user's manual of "Super 5 In 1 CyberCard" for the details.

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Learn

1. English Proficiency Test

- This is a test to verify your listening comprehension ability.
- Choose the right answers according to the questions, pictures, conversations or dialogues.
- There are 6 tests embedded in the device, the rest of the tests need to be downloaded from CyberDict Technology website or the CDROM that come with this device.
- Provide "Mock Test" and "Practice" functions.

2. Naturalistic Learning Method

- Listening, speaking, reading & writing are the normal processes of learning a language. The naturalistic learning method provides an environment of listening and speaking English with many commonly used and oral sentences. You can also highlight specified words that you found in the sentences and look up in English-Thai, Longman & Oxford dictionaries.

3. English Sentence Exercise

- Reorganized the word orders to make sentences
- Learn how to make an English sentence

4. Listening and Learning

- You are allowed to store words and dialogues for listening reviews
- Listening comprehension and learning English anywhere,

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10. English Names

- Provide information about male and female English names
- Up to 20 cross search windows

11. Eng Affixes

- Provide information about English prefixes and suffixes

12. Adjectives

- Provide Thai explanation of English adjectives
- Up to 20 cross search windows

13. Verb Patterns

- Provide information about verb patterns
- Up to 20 cross search windows

14. Dictionary Appendix

- Provide information of settling matters in Thai when you use the production

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anytime

5. TOEFL Exam Exercises

- The device provides learning, reviewing and testing, recalling and practicing functions in 4 main groups of English words, there are 1000/2000/3000 most commonly used words and TOEFL words.

6. Revision Dictionary

- You are allowed to review saved words of English-Thai Dictionary and Longman English Dictionary

7. Proverbs

- Provide English proverb with Thai meaning
- Provide Thai proverb with English meaning

8. Travel Dialogues


- Classified into 10 main themes and 46 situations
- Up to 20 cross search windows
- Provides conversation texts in Thai, English, Chinese, Japanese, Korean, French, German, Spanish, Italian and Dutch
- Pronunciation in English, Chinese, Japanese and Korean

9. Useful Vocabularies

- Around 2000 commonly used nouns categorized into apparel, dining, home, transportation, recreation, sports, school, society, animal & plants, and others.
- Up to 20 cross search windows

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1. English Proficiency Test

Tap  under the Learn menu.

There are 6 test embedded in this device, the rest of the tests need to be downloaded from CyberDict Technology website or the CDROM comes with this device.





Press numeric key to select a test.

1.1 Mock Test

- A. Press [1] to start a mock test.
- B. Press [F1] to read the instructions.
- C. Press any key to start the test.

Note:

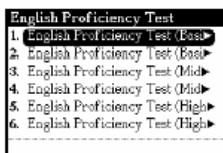
- ❖ Each question will be played once only, you can press  to stop the test.
- ❖ Press the corresponding key or tap the correct answer on the screen. The question will stop if you enter an answer during voice playing.
- ❖ Press [F5Next] then press [F4Conf] to confirm the answer and go to the next question.
- ❖ Press [F3Help] for the explanations of how to answer questions.
- ❖ Press  to exit from the test.
- ❖ The mock test has time limit, it will be terminated when time is up.
- ❖ Your final result will be displayed when you finish all the 3

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parts of mock test.

- ❖ Double tap a result to check the detail.
- ❖ Tap the wrong one to retry again.

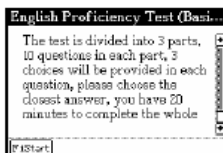
For example, try the English Proficiency Test (Basic 1)



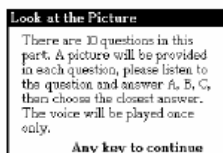
Press [1] to select the test.



Press [1] to select "Mock Test"



Tap [F1Start].



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Press any key to start the test.



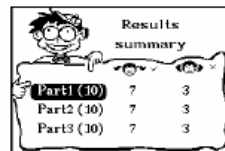
Press [B] or tap the closest answer.



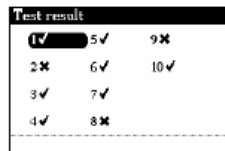
Press [F5Next] then press [F4Conf] to confirm the answer and go to the next question.



Your final result will be displayed when you finish all the 3 parts of mock test.



Tap "Part1 (10)".



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Press [8] to retry this question again.



1.2 Practice

Press [2] to select "Practice"



Press the corresponding numeric key or tap the screen to select a part to practice.

- ❖ Press [F3Play] to pronounce the question again.
- ❖ Tap to show the question and answers, tap again to return to the previous screen.
- ❖ If the questions and answers are shown, tap [F2Auto] to pronounce the question and answer automatically.
- ❖ Tap [F3Play] to pronounce the question one sentence by one sentence.
- ❖ Press the corresponding numeric key or tap on the screen to answer the question, the reading will stop whenever you choose an answer.
- ❖ Press to proceed to the next question.
- ❖ Press to return to the last question.
- ❖ Press to exit from the practice.

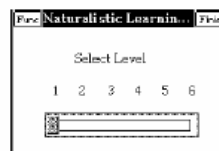
Note: You are allowed to cross-search a word in the dictionaries.

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2. Naturalistic Learning Method

The naturalistic learning method provides an environment of listening and speaking English with many commonly used and oral sentences. You can also highlight specified words that you found in the sentences and look up in English-Thai, Longman & Oxford dictionaries.

Tap under the Learn menu.

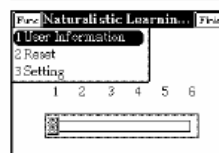


Tap [Func] at the upper left screen.

User Information – show current status of the practice.

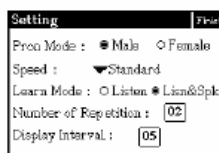
Reset – resume all the default settings.

Setting – User's settings.



Tap [Setting].

You can select Male or Female voice, set your favorite pronunciation speed, learning mode, number of repetition and display interval.



Tap [Finish] to confirm your setting.

Select a level if necessary.



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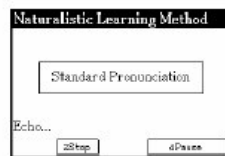
Tap [Finish] to start the practice.



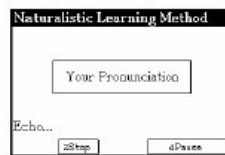
Listen to the pronunciation.
Pronouncing the sentence yourself,
your voice will be recorded.



Listen to the standard pronunciation.



Listen to your pronunciation.

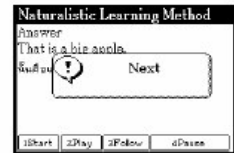


Display the original English sentence
and its Thai translation.
The duration of displaying can be set
in "Setting" (Display Interval).




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When the time is up, the system will
continue the practice and go to the
next sentence.



3.English Sentence Exercise

Rearrange the words of the sentences into correct order. If your
answer is wrong, the unit will display correct answer. You can set the
level of difficulty from level 1 to 7.

Tap  under the Learn menu.















- Tap the screen or press the corresponding numeric keys to
select level of difficulty, then tap [Finish] to confirm.
- The practice starts from a full score 100points, 10points will be
deducted for every wrong answer.
 - ✧ Tap [1Answer] to check the correct answer. (10 points will be
deducted)
 - ✧ Tap [2Pron] to listen to the correct answer in English. (7
points will be deducted)
 - ✧ Tap [3Search] to obtain the definitions of the highlighted
word. (2 points will be deducted)
 - ✧ Tap [4Hint] to put an English word in the correct position. (2


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points will be deducted)

Note: A maximum of 10 points will be deducted for each
sentence.

- Select a word and press  to confirm your selection. When
practicing, you can correct the mistakes using the following
methods.

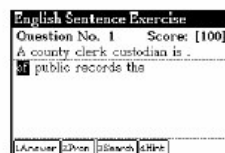
- ✧ Press  /  /  /  to move the cursor or tap with
stylus to highlight the wrong word.
- ✧ Press  or tap on the highlighted word again.
- ✧ You can also drag the highlighted word to another position
directly.
- ✧ You can also press  a special icon ↑ will appear in
front of the word.
- ✧ Press  /  /  /  to move the icon ↑ to the
position where you want to insert the word, then press  to
insert the highlighted word.

- Press  to exit from the exercise.
- After you have finished the practice session, your score will be
displayed.


Select "3.English Sentence
Exercise".

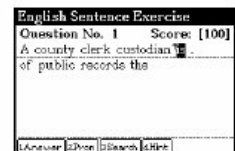



Tap [Finish] to start the exercise.
Rearrange the words in the sentence
into correct order.




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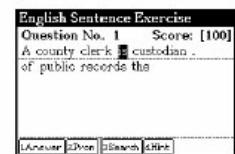
If you make any mistakes during your
practicing, highlight the word, press
, an icon ↑ appears.



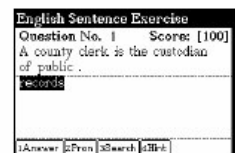
Press  /  /  /  to move
the icon ↑ to correct position




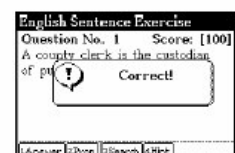
Press  again to insert the
highlighted word.



Continue to rearrange the words.




If you answer is correct, the next
exercise will be provided. If your
answer is wrong, the correct answer
will be displayed first.
Press  to exit from the exercise.

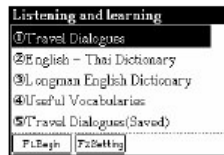


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4. Listening and Learning

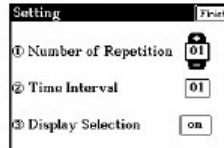
Tap  under the Learn menu.

Press the corresponding numeric key to choose a category.




Note: In item 2~5, you should have saved some words in English-Thai Dictionary, Longman English Dictionary, Useful Vocabularies and Travel Dialogues, otherwise a message "No Data" will be displayed.

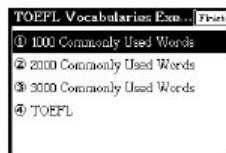
- Press [F1Begin] to start the practice.
- The contents of words or dialogues will be displayed and pronounced one by one automatically.
- Press  to stop and exit from the function.
- Press [F2 Setting] to set number of repetition, time interval and display selection.



5. TOEFL Vocabularies Exercises

Tap  under the Learn menu.

Press the corresponding numeric key to select a category.




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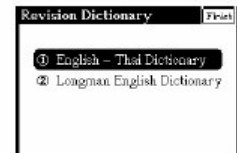
Select a group number.


Note: For the operations of other functions, please refer to "6.Revision Dictionary".



6. Revision Dictionary

Tap  under the Learn menu.





- Press the corresponding numeric key to choose a category.
- Maximum 20 words in a group, if there are more than one group of words, tap , it and select the starting group number.
- Tap [Finish].



Note: You should have saved some words in English-Thai Dictionary and Longman English Dictionary, otherwise a message "No Data" will be displayed.


6.1 Learning


- Tap [1.Learning] to start viewing the definitions of the word.
- Press  to view definitions on the previous / next page.
- Press  to view the next word and its definition.

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6.2 Review & Test

Tap [2review&test] to practice.

Press  to start "Learning"

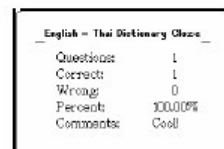
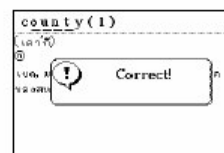
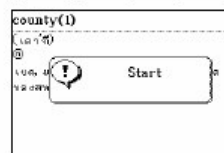
Press  to learn the following word until a message "Start" appears.

Type English letters to fill in the blank and form the complete word.

Press  to confirm.

When you finish reviewing and testing all the words in the group, your result will be shown on the screen.


Note: If your answer is wrong, a message "Wrong!" and the correct answer will be displayed. You can highlight English/Thai words and cross search in the dictionaries.




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6.3 Recalling


Tap [3.recalling] to start.

The word appears, press  or tap at any parts of the screen to show the definition.

Press  or tap on the screen again to show next word.

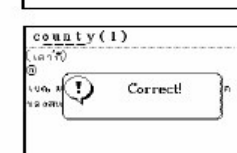
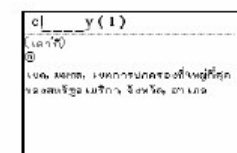
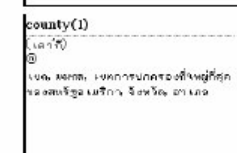
6.4 Practice

Tap [4practice] to start.

The first and last letters of the word appears, but other letters are blank. Fill in the blank and press  to see the result.


If the answer is correct, "Correct!" will be shown, then display next word.

Note: If your answer is wrong, a message "Wrong!" and the correct answer will be displayed. You can highlight English/Thai words and cross search in the dictionaries.



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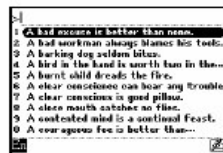
7. Proverbs

Tap  under the Learn menu.

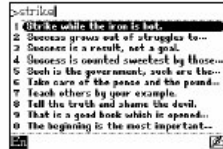


For example, search the English proverb "Strike while the iron is hot."

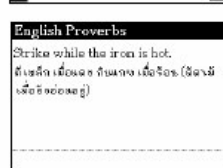
Select "1.English Proverbs".



Type [s][t][r][i][k][e]



Press  to view Thai explanation.



Note: For cross search function, please refer to "Dictionary→1.5 cross search"


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For example, press [2] to view Japanese.



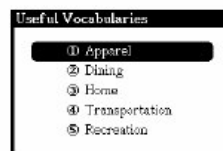
Note: For cross search function, please refer to "Dictionary→1.5 cross search"


9. Useful Vocabularies

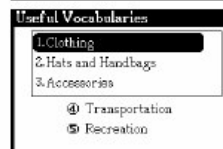
Tap  under the Learn menu.



The useful vocabularies are categorized into 10 groups.

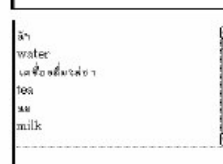
Select a group and a sub-item.



Press  to view English words and its Thai translation.




Press  /  to view the previous / next vocabulary





Note: For cross search function, please refer to "Dictionary→1.5 cross search"

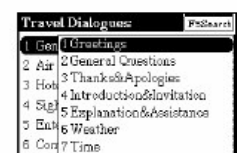
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8. Travel Dialogues

Tap  under the Learn menu.

The dialogues are categorized into 10 Groups.


Press  /  to select more items



Select "1.General Conversation".


Select "7.Time"



Press  to view the next sentence.



Press  to pronounce in English.

Press  to pronounce in Chinese, Japanese or Korean.




Note:

You need to view the sentences in Chinese, Japanese or Korean first.

Press the numeric key [1]~[8] to view other languages.

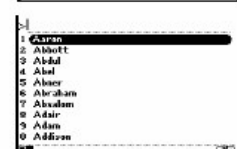
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10. English Names


Tap  under the Learn menu.



Select "1.Men English Names" or "2.Women English Names".



A. Input the English name.

B. Press  to view its origins and Thai meaning.

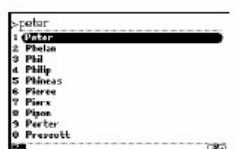
C. For cross search function, please refer to "Dictionary→1.5 cross search"


D. Press page up/down to view the previous/next English name.

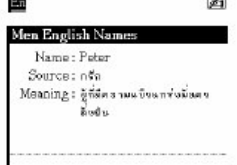
For example, search "Peter".

Select "1.Men English Names"

Type [P][e][t][e][r]





Press  to view the previous / next vocabulary



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11. English Affixes

Tap  under the Learn menu.

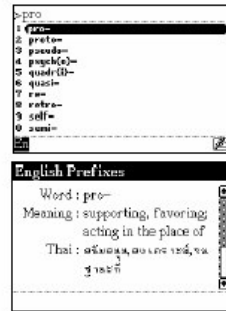
- Select "1.English Prefixes" or "2.English Suffixes".
- Input the English affixes you want to search, press  to display English meanings, Thai explanation and examples.
- For cross search function, please refer to "Dictionary→1.5 cross search"
- Press page up/down to view the previous/next English affixes.

For example, search "pro-".

Select "1.English Prefixes"


Type [p][r][o]

Press 




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12. Adjectives


Tap  under the Learn menu

Input the adjectives you want to search.

Press  to view its Thai meaning or explanation.

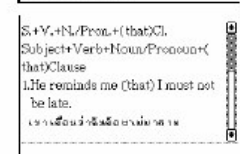
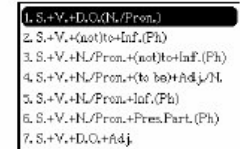
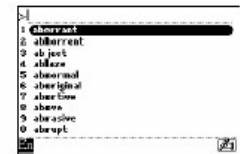
For cross search function, please refer to "Dictionary→1.5 cross search"

13. Verb Patterns

Tap  under the Learn menu.

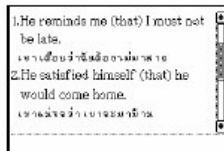
There are 25 verb pattern styles in the list.

Press  /  to scroll a line up/down

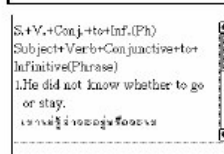


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Press page  /  to display the previous/next page.



For cross search function, please refer to "Dictionary→1.5 cross search"



14. Dictionary Appendix

Tap  under the Learn menu

For cross search function, please refer to "Dictionary→1.5 cross search"



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PIM

1. Paintbrush

- Allows to keep freehand drawings
- Allows to set a paintbrush record as greeting message or startup picture when power on the device
- Allows to duplicate, modify, delete a record or create a new one

2. Note Taker

- Allows to keep authentic manuscripts
- Up to 7 note taker records can be kept
- Allows to duplicate, modify, delete a record or create a new one

3. Name Card Manager

- Allows to input data in Thai, English, numbers and special symbols
- Classified into 5 categories, name of the categories can be changed or modified
- You are also allowed to add some customized field names.
- Quick search function with a keyword or tel. number
- Allows to duplicate, modify, delete a record or create a new one
- Allows to set a password for the security of saved data

4. Memorandum

- Allows to input data in Thai, English, numbers and special

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9. Telephone Information

- Provides the guide to making international phone calls, country codes and area codes of major cities in the world
- Provides Thai area codes

10. Travel Guide

- Provides detail information about 179 countries and their major cities, including GMT, capital city, the other major cities, languages, abbreviation of the country name, country code, international direct dialing code, voltage & frequency of electric power, currency, religions, etc.

11. Family Guide

- Provides daily information about first aid, family doctor, family engineer and standard body weight.

12. Chinese Fortune Teller

- Tell fortune based on the year, month, date and hour of birth.

13. Physiological Curve

- Provides information and curve of any date to show the status of emotion, mental and physical according to date of birth

14. Personal Information

- Allows to input data in Thai, English, numbers and special symbols
- Allows to duplicate, modify, delete data
- Allows to set a password for the security of saved data

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symbols

- Classified into 3 categories, name of the categories can be changed or modified
- You are also allowed to add some customized field names.
- Quick search function with a keyword
- Allows to duplicate, modify, delete a record or create a new one
- Allows to set a password for the security of saved data

5. To Do List

- Allows to input data in Thai, English, numbers and special symbols
- Allows to set the level of priority of each task
- Allows to access daily task management
- You are also allowed to add some customized field names.
- Allows to duplicate, modify, delete a record or create a new one
- Allows to set a password for the security of saved data

6. Police Stations in Thailand

- Provides detailed information about the police stations in Thailand

7. Hospitals in Thailand

- Provides detailed information about the hospitals in Thailand

8. Thai Embassy Overseas


















- Provides detail information about Thai embassies overseas, such as country, state, address, telephone, fax and website.

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1. Paintbrush

Paintbrush is a freehand drawing program. The toolbox in the program provides figures and graphs for you to utilize.

1.1 An Introduction to the Toolbox:

-  Various figures to be selected
-  Select and highlight some items
-  Pencil
-  Square or rectangle
-  Circle
-  Slanting, vertical and horizontal line
-  Eraser
-  Text
-  Select font for the text
-  Tap to select shading
 -  Gray scale
 -  Hollow
 -  Solid
-  Tap to select weight
 -  1pt
 -  2pt
 -  3pt

1.2 Adding Drawing

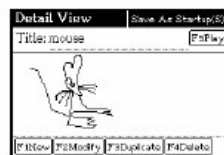
A. Tap  under the PIM menu

- ◇ If no data has ever been saved, you can access the editing screen directly.
- ◇ If some data has already been saved, the device will display the index screen.

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- ✧ Tap [F1New] to access the editing screen.

- B. Tap the field of [Title] to input a file name for the drawing.



- C. Utilize the toolbox.

- ✧ Tap [F1New] to select a figure and put it on the screen, then tap the dotted edge to rotate the figure, once for 90 degrees rotation. Shown as below:



- ✧ Drag the figure to move it to another position.
- ✧ If you press [esc], the following screen will be displayed.



- ✧ Select "Y" to save the data.
- ✧ Select "N" to exit without saving any data.
- ✧ Select "C" to cancel the operation, does not exit from current screen.

- D. Tap [F1New], and then tap on the screen and drag to cover an area to select some items.

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- F. If two or more drawings are saved, tap [F5Play], the device will demonstrate the drawings one after another automatically. Tap [F5Stop] to stop.

Note:

1. If you save a drawing without inputting any title, "No Title" will be shown on the index screen.
2. For browsing, modifying, duplicating or deleting drawing, please refer to related explanations of 3. Name Card Manager.

2. Note Taker

Note Taker is a freehand writing program to keep your authentic manuscripts in the record.

2.1 Adding Data

- A. Tap [F1New] under the PIM menu.
- ✧ If no data has ever been saved, you can access the editing screen directly.
 - ✧ If some data has already been saved, the device will display the index screen.
 - ✧ Press [F1New] to add new data.
- B. You are allowed to write on the full screen with stylus, your original handwriting will be minimized, optimized and positioned to the place where the cursor is.
- ✧ After writing on the screen, tap [F4 OK] to put the handwriting into the right position immediately.
 - ✧ Tap [F5 Cancel] to delete the handwriting.
- C. Press [F5 Cancel] or tap [F3Delete] to delete the handwriting in front

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- E. Tap [Func] to edit the drawing.

- ✧ Clear Sketch – to clear the drawing board.
- ✧ Cut – to cut the highlighted items and put it into the clipboard.
- ✧ Copy – to duplicate the highlighted items and put it into the clipboard.
- ✧ Paste – to paste the items from the clipboard.
- ✧ Horizontal Reverse – to reverse the highlighted items horizontally.
- ✧ Vertical Reverse – to reverse the highlighted items vertically.
- ✧ Save as Startup Drawing – to save the drawing as customized Startup Picture.

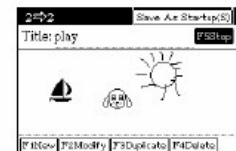
- F. Tap [Save] to save the drawing and return to index screen.
- ✧ Tap [F1New] to add new data.
 - ✧ Tap [F2Delete] to delete the highlighted data.



1.3 Browsing the Saved Drawings

Tap the highlighted data on the index screen to browse the saved drawings.

- A. Tap [F1New] to add new data.
- B. Tap [F2Modify] to modify data.
- C. Tap [F3Duplicate] to duplicate data.
- D. Tap [F4Delete] to delete data.
- E. Tap [Save as Startup] to save the drawing as customized startup picture.



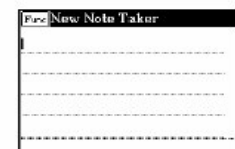
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off/after the cursor.

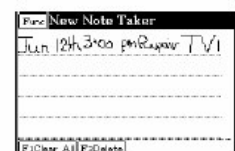
- D. Tap [F1Clear All] to clear all the handwriting.
- E. To edit a string of manuscripts, tap the first word for about 3 seconds to highlight the word, drag the stylus to the end of the string.
- ✧ Tap [Func] on the screen.
 - ✧ Select "Clear" to delete the highlighted string.
 - ✧ Select "Cut" to cut the highlighted string and put it into the clipboard.
 - ✧ Select "Copy" to duplicate the highlighted string and put it into the clipboard.
 - ✧ Select "Paste" to insert the string from the clipboard to the place where the cursor is. (You need to locate the cursor first)
- F. Press [esc], the data will be saved automatically.

For example, create a short hand record "Jun 12th 3:00pm, Repair TV"

Editing screen

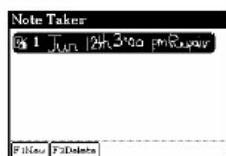


Write data

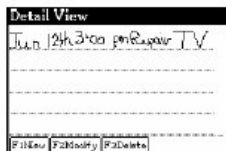


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The data is completed.
Press **[ESC]** to exit and save the data automatically.



Double tap the record in index screen, you can access the browsing screen.



Note:

1. You are allowed to set the interval to lift the stylus for the handwriting in "System Setting"
2. You can't duplicate or paste the data from other PIM functions.
3. For browsing, modifying or deleting data, please refer to the related explanations in Name Card Manager.

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3. Name Card Manager

Allows to create, input, store, search, edit or delete name card data.

3.1 Create / Store New Data

- A. Tap **[New]** under the PIM menu.
 - ❖ If no data has ever been saved, the device will display the following messages.
 - ❖ Select "Y" to input new data.
 - ❖ If some data has already been saved, the device will display the index screen.
- B. Tap **[F1New]** to input new data.
- C. Adding data.
 - ❖ Tap **[v]** to select a category.
 - ❖ Press **[ENTER]** to move the cursor to the next line.
 - ❖ Press **[↑]** / **[↓]** / **[←]** / **[→]** to move the cursor.
 - ❖ Press **[A]** / **[V]** to display the previous / next page.
 - ❖ If the password has already been set in the <Time / System Setting / Password Setting>, tap **[F5P]** to secure the data, and the default lock icon will change into icon .
 - ❖ When inputting the "birthday", you can access the calendar to select a date.
 - ❖ If you press **[ESC]**, the following screen will be displayed.
 1. Select "Y" to save the data.
 2. Select "N" to exit without saving any data.
 3. Select "C" to cancel the operation, does not exit from current screen.

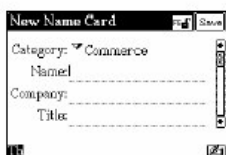


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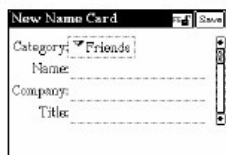
- D. Tap **[Save]** to save the data, and then access the index screen.

For example, add a new name card data of a friend.

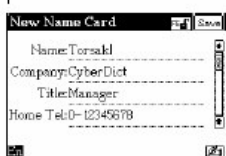
Access the editing screen.



Tap **[v]** to select a category.
Select "Friends"



Input the data



Press **[SAVE]** or tap **[Save]** to save the data.

Access the index screen.

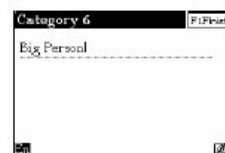
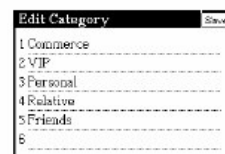


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3.2 Editing the Category

The name cards are classified into 5 defaulted categories, including Commerce, VIP, Personal, Relative and Friends. You are allowed to increase 3 more categories. (The new categories can be deleted in <Time / Memory>). All the names of the categories can be changed or modified.

- A. On the index screen, tap **"v All Cards"**.
- B. Tap **[v]** to select "6 Edit Category".
- C. Tap on the screen or press the corresponding numeric key to select category.
- D. Modify the name of category or add a new category.
- E. Tap **[F1Finish]** to confirm.



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- F. Tap [Save] to save the modification.

- G. The index screen will be displayed, tap "▼ All Cards" again, and tap ▼, you will find the new category.

3.3 Customized the Field Names

In addition to the defaulted and fixed field names, there are up to 6 other customized fields can be defined by the user. The customized field names can only be deleted in <Time / Memory>

- A. Tap [Func] in the index screen, and then select "Custom Category".

- B. Tap the field or press the corresponding numeric key, then input the field name.

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- C. Tap "Text" behind the field name, a list of Data Type will be displayed:

- ✧ Text / Date / Time / Numeric / Check Box
- ✧ When selecting "Numeric", you can choose Integer, Currency or Decimal.

- D. Tap [Save] to save the new field names.

Note:

You can change the field names any time but not the Data Type, it can't be changed anymore after the first time setting.

3.4 Securing Data

- A. The password must be set first, tap [F5] to lock the data.
 B. If the data is locked, the icon change to [F5], tap this icon again to unlock the data.
 C. If you haven't set any password yet, the following screen appears when you tap [F5].

- ✧ Tap [Y] to set password, the data will be locked.

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- ✧ Press [ENTER]

- ✧ Tap [OK]

- ✧ Press [SAVE] to save the data.
- ✧ No secured data will be displayed on the index screen.

- ✧ To show all the secured data, tap [Func] and select "Show Private".

- ✧ Input your password.

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- ✧ Press [ENTER]

- ✧ To hide the secured data again, tap [Func] again and select "Hide Private"

3.5 The Index Screen

- A. Tap [Func] to select "Show/Hide private" or "custom category".
 B. Tap [F1New] to add new data.
 C. Tap [F2Search] to search data.
 D. Tap [F3Delete] to delete the highlighted data.
 E. Tap the left ▼ to select category to be shown.
 F. Tap the right ▼ to select contact number to be shown.
 G. Tap [F5] to display the name card has just been browsed.

3.6 Searching Data

- A. Tap [F2 Search] on the index screen.
 B. Tap [F1] to select "Keyword Search" or "Tel Number Search".

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- C. If you have selected "Keyword Search", input a keyword for searching.



- D. The name card consists of the keyword will be displayed.



- E. Tap [F1Enter] to browse the data.



3.7 Browsing Data

- A. Double tap the name card on the index screen to view the details.
 B. You can also press / or / to scroll a line or a page and then press to view a name card.
 C. If a lock icon appears, it means the data has already been secured.
 D. Press / to scroll a line



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3.9 Deleting Data

- A. Tap [F4Delete] or press on the browsing screen, you can also tap [F3Delete] or press on the index screen.



- B. A message "Delete?" appears.



- C. Select "Y" to delete the highlighted data.



4. Memorandum

The usages are very similar to Name Card Manager; only brief explanation will be given here.

4.1 Adding Data

- A. Tap under the PIM menu.



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up / down.

- E. Press / to view the previous / next page.
 F. Tap [F1New] to add a new data.
 G. Tap [F2Modify] to modify the data.
 H. Tap [F3 Duplicate] to duplicate the data.
 I. Press or tap [F4Delete] to delete the highlighted data.

3.8 Duplicating Data

- A. Tap [F3 Duplicate] on the browsing screen.



- B. Add some new data, modifying the data or just keep it unchanged.



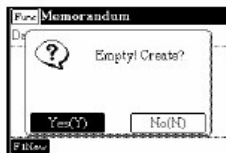
- C. Tap [Save] to save as another record.



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- B. Select the category for new data.

- ✧ If no data has ever been saved, the unit will display the following messages.
- ✧ Select "Y" to input new data.
- ✧ If some data has already been saved, the device will display the index screen.



- C. Tap [F1New] to input new data.

- D. Inputting data.

- ✧ Tap to select a category.
- ✧ Press to move the cursor to the next line.
- ✧ Press / / / to move the cursor.
- ✧ Press / to view the previous / next page.
- ✧ Tap [F5] to secure the data.
- ✧ If you press , the following screen will be displayed.

- ✧ Select "Y" to save the data.

- ✧ Select "N" to exit without saving any the data.

- ✧ Select "C" to cancel the operation, does not exit from current function.



- E. Tap [Save] to save the data, and then access the index screen.

4.2 The Index Screen

- A. Tap [F1Edit Category] to edit category, the operation is similar to Name Card Manager.

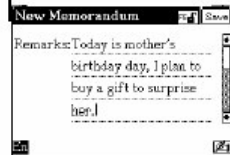
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- B. Tap [F2All Category] to show all saved data of all categories.
- C. Tap [F3Search] to search data.
- D. Tap [Func] to select "Show/Hide private"(for secured data) or "custom category".

For example, adding a data.



Input data.



Tap [Save] to return to index screen.



For example, browsing a data.

Tap the highlighted data to view the details.



Note: For operation about adding, modifying, duplicating, searching, deleting, securing data, edit category and customize the field

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names, please refer to 3. Name Card Manager.

5. To Do List

The usages of To Do List are very similar to Name Card Manager, only brief explanation will be provided here.

5.1 Adding Data

- A. Tap under the PIM.
- B. Select the category for new data.
 - ✧ If no data has ever been saved, the unit will display the following messages.
 - ✧ Select "Y" to input new data.
 - ✧ If some data has already been saved, the device will display the index screen.
- C. Tap [F1New] to input new data.
- D. Inputting data.
 - ✧ Set the duration of the task. (Start time / end time)
 - ✧ Tap to set the priority of the task.
 - ✧ Press to move the cursor to the next line.
 - ✧ Press / / / to move the cursor.
 - ✧ Press / to view the previous / next page.
 - ✧ Tap [F5] to secure the data.
 - ✧ If you press , the following screen will be displayed.
 - ✧ Select "Y" to save the data.
 - ✧ Select "N" to exit without saving any the data.
 - ✧ Select "C" to cancel the



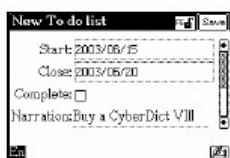
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operation, does not exit from current function.

- E. Tap [Save] to save the data, and then access the index screen.

For example, adding a new task.

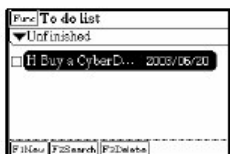
- ✧ Input data.
- ✧ Press to view the next page.



- ✧ Tap to select the level of priority.



- ✧ Tap [Save] to save the record and access the index screen.



5.2 The Index Screen

The following icons show the status of a task.

- ☐ - The task has not been completed yet.
- ☒ - The task has already been completed.
- Time is up but the task has not been completed yet.

Tap the icons to change the status.

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- A. Tap [F1New] to add a new task.
- B. Tap [F2Search] to search for the task.
- C. Tap [F3Delete] to delete a task.
- D. Tap to select the categories to be shown (All / Unfinished / Finished).



5.3 Settings

- B. Tap [Func] on the index screen and select "2.Setting"
- C. Tick "Display Priority" to display the priority of a task on the index screen.
- D. Tick "Display Close Date" to display the time limit of a task on the index screen.
- E. Tap [Finish] to confirm.



5.4 Browsing Data

- A. Double tap the task on the index screen to view the details.
- B. Tap [F1New] to add a new task.
- C. Tap [F2Modify] to modify a task.
- D. Tap [F3Duplicate] to duplicate a task.
- E. Tap [F4Delete] to delete a task.




Note:

For operation about adding, modifying, duplicating, searching, deleting, securing a task and customized the field names, please refer to 3.Name Card Manager.

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6. Police Stations in Thailand

- A. Tap  under the PIM menu.
B. Select one of the areas.



- C. Press  /  or tap scroll bar to select more.



- D. Press  to confirm.




- E. Tap to view the detail information of a police station.



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7. Hospitals in Thailand

- A. Tap  under the PIM menu.
B. Select one of the areas.



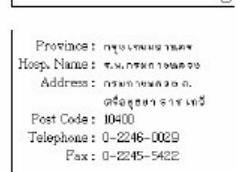
- C. Press  /  or tap scroll bar to select more.



- D. Press  to confirm.





- E. Tap to view the detail information of a hospital.



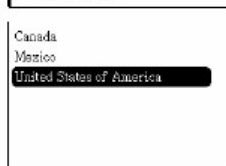
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8. Thai Embassy Overseas

- A. Tap  under the PIM menu.
B. Press  to select more.
C. Select a continent.




- D. Select a country.



- E. Tap to view the detail information of Thai embassy in this country.



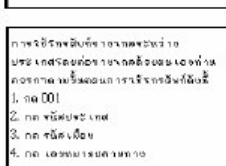
9. Telephone Information

- Tap  under the PIM menu.



9.1 International Dialing Guide

- Select "1.International Dialing Guide" to read the guide to make an international direct dialing.



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9.2 Country Code

- Select "2.Country Code" to view the country codes when making an international direct dialing.




- Input first few letters to search a country.

9.3 Thai Area Code

- Select "3.Thai Area Code", and then select an area to view Thai area codes.




10. Travel Guide

- Tap  under the PIM menu.

- For example, view the travel information about China & the city Xian.



- Tap to select "1.Asia".

- Press  to select "China".

- You can also tap the scroll bar or input the first letter to search for the country.



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Tap "China" to view information about China.

Country : China 中国
GMT : +800
Capital : Beijing (Peking)
> Brnfo
Citizen : Han Chinese (92%)
other 55

Tap [F1City] to select a city in "China"


1. Qingdao
2. Shanghai
3. Shenyang
4. Shijiazhuang
5. Tianjin
6. Wuhan
7. Xian

Input the first letter "X" to search for the city's name.

City Name : Xian 西安
Abbrs : XIY
GMT : +800
Area Code : 29
Airport : Xian Xianyang
Distance : 466m
Sun Rise/Down : 08:25/18:38

Tap "Xian" to view information about Xian.

11. Family Guide

A. Tap  under the PIM menu.

B. Select one of the items

Family Guide

① First Aid
② Family Doctor
③ Family Engineer
④ Standard Body Weight

C. Press  to confirm.

1. 家庭指南
2. 急救指南
3. 家庭医生
4. 家庭工程师
5. 标准体重
6. 家庭医生
7. 家庭工程师

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D. Tap an item to view the detail guide.

* 家庭指南
家庭指南是为用户提供家庭急救、家庭医生、家庭工程师、标准体重等信息的指南。用户可以通过家庭指南了解家庭急救、家庭医生、家庭工程师、标准体重等信息。

12. Chinese Fortune Teller

A person's year, month, date and hour of birth in the lunar calendar are 4 pairs of Chinese characters, so called 8 characters by Chinese. You can obtain a fate analysis by entering your birthday and hour of your birth.

A. Tap  under the PIM menu.


B. Tap  to select "Solar" or "Lunar" birthday.

Chinese Fortune Teller

Solar

Birthday: 2003/06/15
Birth Time: 23-01

C. Tap "Birthday" field to set your birthday.

D. Tap  to choose the time period when you were born.

Chinese Fortune Teller

Lunar

Birthday: 1978/09/15
Birth Time: 05-07

E. Tap [F1 Fortune Teller] to view the explanations about your fortune.

Fortune Teller

Birthday: Lunar 1978/09/15
Weight: 5.7
Fortune: 一生顺利，万事如意
财运：财运亨通，财源广进
健康：身体健康，万事如意
事业：事业顺利，万事如意

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

Tap [F2Weight] to view your fortune.

Weight


1978 : 身体强壮，精力充沛
9 : 身体强壮，精力充沛
20 : 身体强壮，精力充沛
21 : 身体强壮，精力充沛
22 : 身体强壮，精力充沛
23 : 身体强壮，精力充沛

13. Physiological Curve

You can enter a birthday and current date to learn about change in one's physical strength, intelligence and moods over a period of time, and analyze the above elements in terms of physiological curves.

The curve is composed of ordinate and abscissa. The abscissa is divided into a fixed number of parts equal in length, each representing a day. The position of the ordinate represents the current date entered. You may press  /  to move the ordinate to view the change of ones physiological curves. Press  /  to change the current date; press  /  to change the month.

A. Tap  under the PIM menu.

B. Tap  to select "Solar" or "Lunar".

Physiological Curve

Solar

Birthday: 2003/06/15
Date: 2003/06/15

C. Tap "Birthday" field to set the date of birth.

D. Tap "Date" field to set the current date.

Physiological Curve

Lunar

Birthday: 1978/09/15
Date: 2003/04/16

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E. Tap [F1Curve] to select a curve of Emotion, Mental or Physical.

Physiological Curve

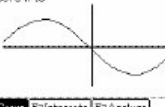
Lunar

Birthday: 1978/09/15
Date: 2003/04/16
1 Emotion
2 Mental
3 Physical

F. If you select "Mental"

Mental Curve

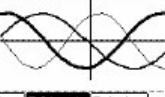
2003/04/16



G. Tap [F2Integrate] to view all the 3 curves in a picture.

Integrated Curve

Emotion Mental Physical



H. Tap [F3Analyze] to view the dates of the highest and lowest value.

Curve Analyze


2003/04/16

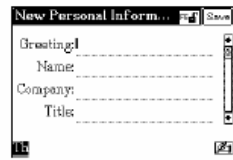
	Highest Day	Lowest Day
Emotion	01	15
Mental	07	23
Physical	08	05

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14. Personal Information


Only one record of personal information can be created, but you are allowed to modify the information any time.

- A. Tap  under the PIM menu.
- B. If there no data has ever been saved, it will access editing screen.



- C. Input your personal information.



- D. Tap [Save] to save the record.
- E. Tap  again to browse the record.



Note: For operations about modifying and securing data, please refer to 3.Name Card Manager.

Math

1. Calculator

- 12-digits calculator for four fundamental arithmetical operations
- Storage functions: [MR], [MC], [M+], [M-]
- Other calculations: Percentage, square root

2. Multi-lines Calculator

- Four fundamental arithmetical operations
- Saves every entered value automatically
- Stores up to 99 entries

3. Scientific Calculator

- Four fundamental arithmetical operations, trigonometric functions, logarithm, natural logarithm, Boolean operations
- Storage functions: [MR], [MC], [M+], [M-]
- Conversions computation among binary, octonary, decimal and hexadecimal systems
- Other calculations: percentage, square root, square, y^{th} power

4. Graphic Calculator

- Graphics of functional equations
- Displaying up to four functional graphing simultaneously
- Provides general plotting and shade plotting
- Allows exploring the graphs with zoom, trace and inequality

5. Statistical Calculator

- Four fundamental arithmetical operations and functions

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- The default investments are: stock, fixed deposit and currency. You are also allowed to increase new categories

12. Loan Management

- Manage your bank loan

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- Allows to perform the following calculations or regressions models: uniform statistic, linear regression, logarithmic regression, index (exponential) regression and power regression based on the entered values
- Stores and analyzes up to 99 entries

6. Formula Calculator

- Provides common mathematical formulas of area, volume, series, probability, geometry and triangle
- Calculate formulas depending on the entered variables

7. Unit Conversion

- Conversion computation among units of the measurements: length, temperature, area, heat, volume, power, weight and pressure

8. Currency Conversion

- Currency exchange among about 140 currencies
- You are allowed to set exchange rate and base currency

9. Size Conversion

- Conversion charts of European, US, Britain, Germany and Japanese garments size

10. Expense Management


- Manage your incomes and expenses

11. Investment Management

- You are allowed to manage your personal investment

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1. Calculator

Tap  under the Math menu.



1.1 Function Keys

- | | |
|-------------------------|------------------------|
| Memory replay | Input 2 zeros |
| Memory clear | A decimal point |
| Minus from memory value | Division |
| Plus into memory value | Multiplication |
| All clear | Subtraction |
| Clear error /clear | Addition |
| Plus or minus | Delete the last number |
| Percentage | Square Root |
| Equal to | |

1.2 Four Fundamental Arithmetical Operations

Follows the rules of multiplication and division first, addition and subtract latter.

Ex. Calculate $10 + (10 \times 12) = ?$

Tap [1][0][M+][1][0][x][1][2][M+][MR], the result is 130.

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1.3 Other Operations


Ex. Percentage: Calculate 20% of 125.

Tap [2][0][%][x][1][2][5][=], the result is 25.

Ex. Square Root: Calculate $3 \times \sqrt{66}$.

Tap [6][6][$\sqrt{\quad}$][x][3][=], the result is 24.372115139.

2. Multi-lines Calculator

Tap  under the Math menu.

Note:

There will be an overflow error if the result is over 9999999999.

Ex. Tap [21][x][4][+][67][-][6][=]


Tap the third line [03].

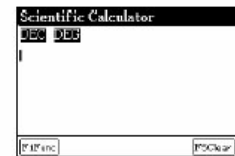
Tap [90] [=].



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3. Scientific Calculator

Tap  under the Math menu.








3.1 How to Change Counting Systems


[BIN] – binary system

[OCT] – octonary system





[DEC] – decimal system


[HEX] – hexadecimal system

A. Tap  to shift among  /  /  / .





B. Press [Shift] +  to shift among the counting systems.

3.2 How to Change Angular Unit





















A. Tap  to shift among  /  / .

B. Press [Shift] +  to shift among degree/radian/gradient















3.3 Scientific Mathematical Symbols

Symbols	Description	Keyboard
1/X	Reciprocal	
hyp	Hyperbolic	Shift + 
sin	Sine	
\sin^{-1}	Arcsine	Shift + 

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cos	Cosine	
\cos^{-1}	Arccosine	Shift + 
tan	Tangent	
\tan^{-1}	Arctangent	Shift + 
o//	Degree/minute/second	
\div	Division	
and	And (Boolean)	Shift + 
X	Multiplication	
or	Or (Boolean)	Shift + 
-	Subtraction	
not	Not (Boolean)	Shift + 
+	Addition	
xor	Xor (Boolean)	Shift + 
\pm	Positive / Negative	
CALC	Calculate (Statistical Calculator)	Shift + 
log	Logarithm	
10^x	Power of ten	Shift + 
ln	Natural logarithm	
e^x	Power of exponential	Shift + 
$\sqrt{\quad}$	Square root	

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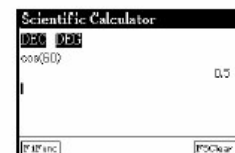
x^2	Square	Shift + 
$\sqrt[y]{x}$	Y th root of X	
x^y	Y th power of X	Shift + 
(Parenthesis (Open)	
)	Parenthesis (Close)	
π	pi	
\angle	Degree / radian / gradient	Shift + 
exp	Exponential	
Mode	Bin/Oct/Dec/Hex	Shift + 
x	X for functional equation	
%	Percentage	
!	Factorial	Shift + 
TYPE	General / Shade Plotting (Graphic Calculator)	Shift + 
SORT	Sorting (Statistical Calculator)	Shift + 

3.4 Examples

Ex. $\cos 60^\circ = ?$

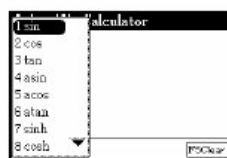
Press , then type [60][=]

The result is 0.5.



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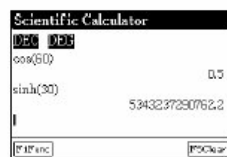
You can also tap [F1Func] to call the trigonometry functions.
Select "cos" and type [60][=]



Ex. Sinh(30)=?

Press [Shift] + [2]

Press [W], type [30][=]



You can also tap [F1Func], select "sinh", type [30][=]

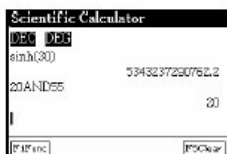
Ex. 20 AND 55=?

Type [20]

Press [Shift] + [Y+]

Type [55], press [ENTER]

(10100 AND 110111 = 10100)



Ex. Convert minutes and seconds to degrees.

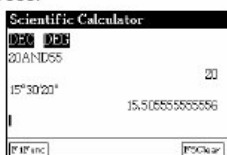
15°30'20"=?

Type [15], press [DMS]

Type [30], press [DMS]

Type [20], press [DMS]

Press [ENTER]



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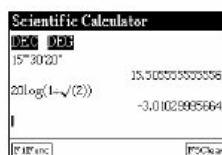
Ex. Calculate $20\log(1/\sqrt{2})=?$

Type [20], press [ALOG]

Type [1], press [1/x]

Press [D1], type [2]

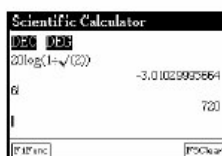
Press [ENTER]



Ex. 6!=?

Type [6], press [Shift] + [V]

Press [ENTER]



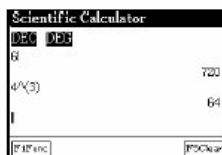
Ex. $4^3=?$

Type [4]

Press [Shift] + [Y+]

Type [3]

Press [ENTER]



Tap [F5Clear] to clear all data.

Note: Scientific calculator does not support binary, octonary and hexadecimal counting systems.

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4. Graphic Calculator

Tap under the Math menu.

Select "1.General Plotting" or

"2.Shade Plotting".

You can also press [Shift] + to switch between General and Shade plotting.



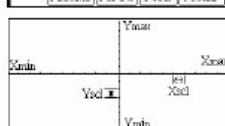
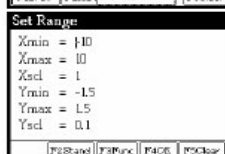
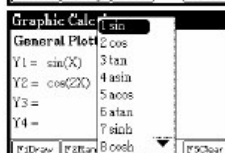
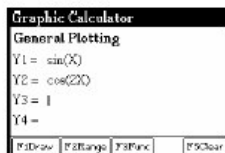
4.1 General Plotting

A. Input functional equations.

B. Press [ENTER] to confirm.

C. Tap [F3Func] to input trigonometry functions.

D. Tap [F5Clear] to clear all data.



E. Tap [F2Range] to set the range of the graphs.

✧ Tap [F2Stand] to restore the standard range settings.

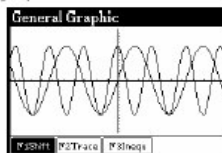
✧ Tap [F3Func] to input the trigonometry functions.

✧ Tap [F4OK] to confirm the settings.

✧ Tap [F5Clear] to clear the settings.

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F. Tap [F1Draw] to draw the functional graphs.



4.2 In the Graphic Screen

A. Tap [F1Shift] to zoom the graphs.

✧ Select and set the "1.Zoom Factors", XFact and YFact are positive numbers greater than or equal to 1. They define the magnification or reduction factor used in "Zoom In" & "Zoom Out".

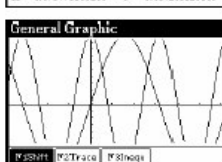
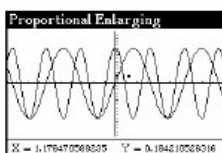
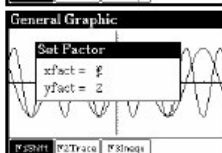
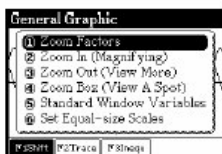
✧ Select "2.Zoom In" to magnify the part of graph that around the cursor.

1. Tap on the screen to locate

the cursor.

2. Press to move the cursor.

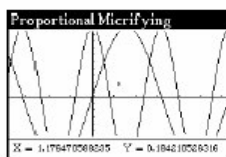
3. Press [ENTER] to confirm.



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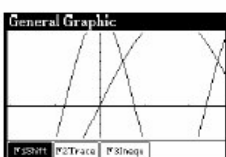
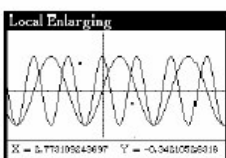
- ❖ Select "3.Zoom Out" to view a bigger portion of the graphs, centered on the cursor position.

1. Tap on the screen to locate the cursor.
2. Press \leftarrow / \rightarrow / \uparrow / \downarrow to move the cursor.
3. Press ENTER to confirm.



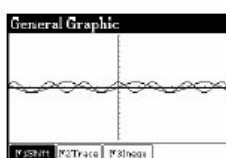
- ❖ Select "4. Zoom Box" to define a new viewing window.

1. Locate the first cursor on the screen and press ENTER to confirm to define a corner of a box.
2. Locate the second cursor and press ENTER to define another corner and draw the graphs.



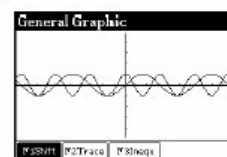
- ❖ Select "5.Standard Window Variables" to replot the curves with standard windows range.

Xmin = -10 Ymin = -10
Xmax = 10 Ymax = 10
Xscl = 1 Yscl = 1



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- ❖ Select "6.Set Equal-size Scales" to replot the curves to set equal-size of scales of X & Y axes.

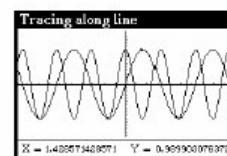


- Tap [F2Trace] to trace the curves, you are allowed to trace and explore the graphs.

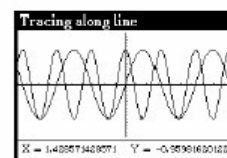
- ❖ Select "1.Tracing along Curves" The trace cursor will be located on the curves.



Press \leftarrow / \rightarrow or tap on the curve to move the cursor. The values of X and Y will be shown on the lower screen.

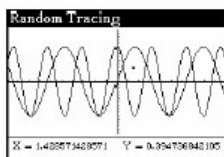


Press \uparrow / \downarrow to shift the cursor among curves.

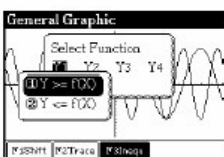


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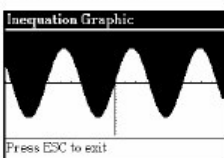
- ❖ Select "2.Free Tracing" to locate the cursor anywhere on the screen, not limited to the curves. The value of X & Y will also be shown on the lower screen.



- Tap [F3Ineq] to show the shading area of inequation of a curve.



Press ENTER to confirm.



4.3 Shade Plotting

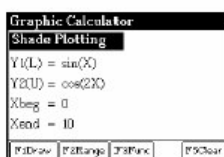
The operations of "Shade Plotting" are very similar to "General Plotting"; please refer "4.1 & 4.2 for detail explanations.

Xbeg – the starting (left) edge

Xend – the ending (right) edge

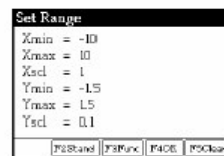
Y1(L) - the lower curve of the shading area.

Y2(U) - the upper curve of the shading area.

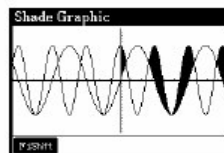


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Set the range of the curves.

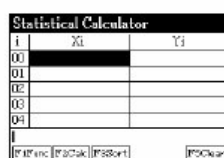


Press ENTER to draw the curves and shading area. There are no Tracing Functions and Inequation functions in Shade Plotting.



5. Statistic Calculator

Tap stat under the Math menu.



- Enter the statistical data, and then press ENTER to move the cursor to the next entry (up to 99 entries).
- Tap [F5Clear] to delete all the statistical data.
- Tap [F1Func] to input trigonometry functions.
- Tap [F3Sort] or press [Shift] + $\left(\frac{\text{stat}}{\text{M+}}$) to select a sorting method.
- Tap [F2Calc] or press [Shift] + $\left(\frac{\text{stat}}{\text{PY}}$) to select a calculation mode, such as Uniform Statistic, Linear Regression, Logarithm Regression, Exponential Regression and Power Regression.

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Note:

- A. For Uniform Statistic calculation, Y_i is the total number or quantity of X_i . For example, 10 people got 60 points, means (X_i, Y_i) is (60,10).
- B. For the regressions calculations, (X_i, Y_i) will be treated as a paired data.

Ex. Input all values orderly, 10, 20, 30, 40, 50, 60, 70 and 80.

i	X_i	Y_i
00	10	20
01	20	40
02	30	60
03	40	80
04		

[F1Func] [F2Calc] [F3Sort] [F5Clear]

i	X_i	Y_i
00	70	80
01	50	60
02	30	40
03	10	20
04		

[F1Func] [F2Calc] [F3Sort] [F5Clear]

Tap [F3Sort] and select "2.Descending Sort on X".

Tap [F2Calc] and select "1.Uniform Statistic".

Note:

$$n = \sum Y_i = 200$$

$$\bar{X} = \sum X_i / n = 50$$

$$\sum X_i = \sum X_i Y_i = 1000$$

$$\sum X_i^2 = \sum X_i^2 Y_i = 580000$$

$$s_x = \sqrt{\frac{1}{n-1} \sum (X_i - \bar{X})^2}$$

$$s_x = \sqrt{\frac{1}{n} \sum (X_i - \bar{X})^2}$$

i	X_i	Y_i
00	70	80
01	50	60
02	30	40
03	10	20
04		

[F1Func] [F2Calc] [F3Sort] [F5Clear]

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Data Sorting Types:

1. Ascending Sort on X - Sorts on X in ascending order.
2. Descending Sort on X - Sorts on X in descending order.
3. Ascending Sort on Y - Sorts on Y in ascending order.
4. Descending Sort on Y - Sorts on Y in descending order.

Calculation Modes

1. **Uniform statistic** – Calculate statistical variables of X_i , such as number of data point, mean of X values, sample standard deviation of X, population standard deviation of X, sum of X values, sum of X_i^2 values.
2. **Linear regression** – Fits a linear model to data $y = a + bx$
3. **Logarithm regression** – Fits a logarithmic model to data $y = a + b \ln x$ $x > 0$
4. **Exponential regression** – Fits an exponential model to data $y = ab^x$ $y > 0$
5. **Power regression** – Fits a power regression to data $y = ax^b$ $x > 0, y > 0$

Ex. Input values. 0.3, 0.5, 0.1, 0.3, 0.4, 0.9

Tap [F2Calc]


Select "2.Linear regression"

i	X_i	Y_i
00		
01		
02		
03		
04		

[F1Func] [F2Calc] [F3Sort] [F5Clear]

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6. Formula Calculator

Tap  under the Math menu.

There are six categories.

Formula Calculator
①Area
②Volume
③Series
④Probability
⑤Geometry
⑥Triangle

6.1 Area

There are 13 formulas in this category.

Area
①Triangle(1)
②Triangle(2)
③Triangle(3)
④Rectangle
⑤Parallelogram(1)
⑥Parallelogram(2)

Area
⑦Trapezoid
⑧Circle
⑨Sector(1)
⑩Sector(2)
⑪Ellipse
⑫Sphere

Area
⑬Cylinder

Triangle(1)
$S = \frac{1}{2} ah$
a = 5
h = 6
S = 15

[F1Mean] [F2Func] [F3Calc] [F5Clear]

For example, calculate area of a triangle.

- ✦ Select "1.Triangle(1)".
- ✦ Tap [F1Mean] to show the meaning of the item where the cursor is.
- ✦ Enter values for "a" & "h".
- ✦ Move the cursor to "S", tap [F3Calc] to calculate.
- ✦ Tap [F2Func] to input trigonometry functions.
- ✦ Tap [F5Clear] to delete the data.

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6.2 Volume

There are 4 formulas this category.

For example, calculate volume of a spheroid.

- ✦ Select "1.Spheroid".
- ✦ Tap [F1Mean] to show the meaning of the item where the cursor is.
- ✦ Enter value for "r".
- ✦ Move the cursor to "V", tap [F3Calc] to calculate.
- ✦ Tap [F2Func] to input trigonometry functions.
- ✦ Tap [F5Clear] to delete the data.

Volume
①Spheroid
②Cylinder
③Cone
④Pyramid

Spheroid
$V = \frac{4}{3} \pi r^3$
r = 3
V = 113.09733553

[F1Mean] [F2Func] [F3Calc] [F5Clear]

6.3 Series

There are 4 formulas in this category.

For example,

- ✦ Select "1.Arithmetic Series".
- ✦ Enter values for a_0, n, d .
- ✦ Move the cursor to "S", tap [F3Calc] to calculate.

Note:

$$5+7+9+11+13+15+17+19+21+23=140$$

Series
①Arithmetic Series
②Geometric Series
③Squared number value sum
④Cubic number value sum

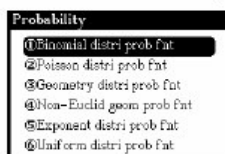
Arithmetic Series
$S = \frac{1}{2} n [2a_0 + (n-1)d]$
$a_0 = 5$
$n = 10$
$d = 2$
$S = 140$

[F1Mean] [F2Func] [F3Calc] [F5Clear]

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6.4 Probability

There are 9 formulas in this category.



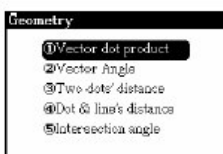
For example,

- ✦ Select "1.Binomial Distri. prob. fnt."
- ✦ Enter values for x, n, p.
- ✦ Move the cursor to "P", tap [F3Calc] to calculate.



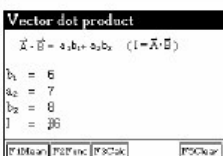
6.5 Geometry

There are 5 formulas in this category.



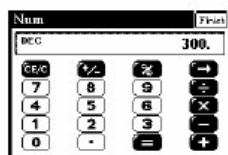
For example,

- ✦ Select "1.Vector dot product".
- ✦ Enter values for a_1 , b_1 , a_2 and b_2 .
- ✦ Move the cursor to "I", tap [F3Calc] to calculate.

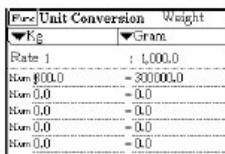


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3. Tap the field of "Num" and input [300].



4. Tap [Finish]



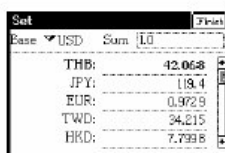
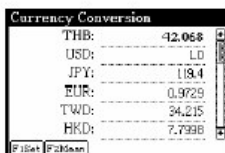
8. Currency Conversion

Tap under the Math menu.

To make sure your result is correct, please make sure the currency exchange rates and the base currency are set accurately before proceed to the conversions.

8.1 Set the Currency Exchange Rates

- A. Tap [F1Set].
- B. Tap and choose a base currency.
- C. Tap the field of "Sum" and enter the amount of base currency, it is



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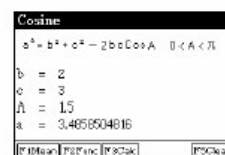
6.6 Triangle

There are 4 formulas in this category.



For example,

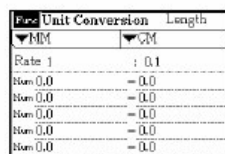
- ✦ Select "1.Cosine".
- ✦ Enter values for a, c, A.
- ✦ Move the cursor to "a", tap [F3Calc] to calculate



7. Unit Conversion

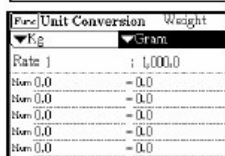
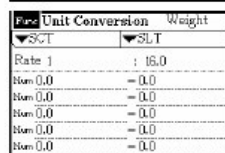
Tap under the Math menu.

- A. Tap [Func] to select a category.
- B. Tap to select a measurement.
- C. Tap the corresponding fields to enter value.



For example, convert 300kg into grams.

1. Tap [Func] to select unit, select "7. Weight".
2. Tap the left to select converted unit "Kg"; tap the right to select convert unit "Gram".



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normally "1".

- D. Tap the fields of the corresponding currencies and enter its exchange rate.
 - ✦ Press / to scroll a line up / down to select a currency.
 - ✦ Press / to display the previous / next page.
- E. Tap [Finish] to confirm.

8.2 Currency Conversions

Tap the corresponding fields of currencies, enter an amount and check the result.

1. Press / to scroll a line up / down to select a currency.
2. Press / to display the previous / next page.
3. Tap [TAB] to shift the cursor among the fields.
4. Tap [F2Mean] to display the meaning of the selected currency.

Ex. Exchange USD800 to other currencies.

- ✦ Tap the field of "USD".
- ✦ Enter "800"
- ✦ Tap [Finish] to confirm.



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9. Size Conversion

Tap under the Math menu.

A. Select a category.

- ✧ Press / to move the cursor, press to confirm.
- ✧ Press the corresponding numeric keys to access the related categories directly.



B. Press / or tap / to view the data at the left / right side.

Ex. Check size equivalent of "Men Shirts"

Tap "4. Men Shirts"

Tap to view more data

Men Shirts				
America	34	44 1/2	15	55 1/2
Britain	34	44 1/2	15	55 1/2
Japan	36	37	38	39
Europe	36	37	38	39

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10. Expense Management

The operations of "Income" are very similar to "Expense"; please refer to the detail explanation of "Expense" as following.



10.1 Create/Store Data

A. Tap under the PIM menu.

B. Select "Income" or "Expense".

- ✧ If no data has ever been saved, the device will display the following messages.
- ✧ Select "Y" to input new data.
- ✧ If some data has already been saved, the device will display the index screen.



C. Tap [F1New] to input new data.

D. Adding data.

- ✧ Tap the field of "Date", select a date from the calendar and tap [Finish].
- ✧ Tap to select a currency.
- ✧ Tap the field of "Sum", input an amount and tap [Finish].
- ✧ For an expense record, you can tap behind "Type" to select a purpose.
- ✧ Press to move the cursor to the next line.
- ✧ Press / / / to move the cursor.
- ✧ Press / to display the previous / next page.

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- ✧ If the password has already been set in the <Time / System Setting / Password Setting>, tap [F5] to secure the data, and the default lock icon will change into icon .

- ✧ If you press , the following screen will be displayed.

1. Select "Y" to save the data.
2. Select "N" to exit without saving any data.
3. Select "C" to cancel the operation, does not exit from current screen.



E. Tap [Save] to save the data, and then access the index screen.

Ex. Adding an expense: Telephone fee 600 Thai Baht.

The editing screen



Inputting data



Tap [Save].

Access the index screen.



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10.2 The Index Screen

A. Tap [Func] to select "1.Show/Hide private"(for secured data) or "2.Setting".

B. Tap to select a field to be displayed on the screen.

C. Tap [F1New] to add new data.

D. Tap [F2Total] to calculate total income and expenses.

E. Tap [F3Delete] to delete the selected data.

F. Tap the selected data to browse the details.

- ✧ Tap [F1New] to add data.
- ✧ Tap [F2Modify] to modify data.
- ✧ Tap [F3Duplicate] to duplicate data.
- ✧ Tap [F4Delete] to delete data.



Note: For operations about securing data, please refer to PIM/ 3.Name Card Manager.

10.3 Total Expense

A. Tap [F2Total] in the index screen.

B. Tap and select a category.

- ✧ All categories – to calculate the net of incomes and expenses.

- ✧ Income – to calculate total incomes.

- ✧ Expense – to calculate total expenses.

C. Tap the fields of "Start Date" and "Close Date" to set counting period.

D. Tap to select one of the currencies.

E. If you are counting "Total Expenses", you can tap to select a

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type of expenses and the payment method.

- F. Tap [TAB] to shift the cursor among the fields of "F1Calc", "Category", "Start Date", "Close Date", "Currency", "Type", and "Method".
- G. Tap [F1Calc] to calculate.

For example, calculate the total incomes & expenses of "Daily routines" from Jun 1st to 30th.

Tap [F2Total]

Tap [F1Calc] to calculate total incomes and expenses.

10.4 Setting

- A. Tap [Func] on the index screen, select "2.Setting".
- B. Tap the field or press / to select the digits kept after the decimal points.
- C. Tap [Finish] to confirm.

For securing, browsing, modifying, duplicating, deleting data please

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current screen.

- D. Tap [Save] to save the data, and then access the index screen.
- For example, adding a new stock data: buy 300 shares of Microsoft at 550 dollars; the closing price is 580 dollars.

The editing screen

Input data

Tap [Save] and access the index screen.

11.2 Total

Tap [F2Total] to calculate the return rate and display the result on a chart. Tap the block to view the details.

For example, calculate the return rate.
Tap [F2Total]

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refer to the related explanations in Name Card Manager.

11. Investment Management

11.1 Adding Data

- A. Tap under the Math menu.
- ✦ If no data has ever been saved, the device will display the following messages.
 - ✦ Select "Y" to input new data.
 - ✦ If some data has already been saved, the device will display the index screen.
- B. Tap [F1New] to input new data.
- C. Inputting data.
- ✦ Tap to select a category.
 - ✦ Tap the fields of "Invest" and "Value" to input amount.
 - ✦ Press to move the cursor to the next line.
 - ✦ Press / to move the cursor.
 - ✦ Press / to display the previous / next page.
 - ✦ If the password has already been set in the <Time / System Setting / Password Setting>, tap [F5] to secure the data, and the default lock icon will change into icon .
 - ✦ If you press , the following screen will be displayed.
 - ✦ Select "Y" to save the data.
 - ✦ Select "N" to exit without saving any data.
 - ✦ Select "C" to cancel the operation, does not exit from

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Tap to view the details.

Note:

For securing, browsing, modifying, duplicating, deleting data please refer to the related explanations in Name Card Manager.

12. Loan Management

Tap under the Math menu.

Ex. If the loan amount is 10,000, year interest rate is 5.58%, the loan will be repaid within 60 months, please calculate the repayment each month.

- ✦ Tap the left to select "2. Repay By Term".
- ✦ Tap the right to select "Year rate".
- ✦ Tap the corresponding fields to enter all known values.

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- ✧ Tap [F1 Repay By Term] to calculate the amount.
- ✧ Tap [F5Default] to clear all entered values.

Time

1. Local and World Time

- Displays the local time and the time of 2 other cities simultaneously
- Up to 228 world cities for selection
- Allows to adjust time, date and cities
- Provides settings of daylight-saving time (DST or summer time) and 12/24-hour systems
- Provides alarm clock functions
- Provides timer functions

2. Schedule

- Allows to input Thai, English, numbers and special symbols
- You are allowed to define the field names
- Allows to set the alarm for important scheduled activities
- Allows to access daily and weekly schedules
- Allows to duplicate, modify, delete a record or create a new one
- Allows to set a password for the security of saved data

3. Class Schedule

- Allows to input Thai, English, numbers and special symbols
- Allows to duplicate, modify delete a record or create a new one

4. Worked Hours Management

- Calculate total working days, working hours or the finished working day
- Tells the day project completed

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10. Information Communication

- Allows to exchange personal data with a computer via PC-Link or transfer downloaded database / software from a computer

11. System Setting

- Menu Setting: Thai / Icon / English
- Pen and Key Tone: On / Off
- Startup Picture: None / Internal / User's Drawing
- Password Setting for the security of personal data
- Auto-off Delay Time: Auto power off and auto backlight off
- LCD Contrast
- Alarm Sound: Allows to select alarm sound
- Speech Adjustment: Allows to set speed of speech
- Handwriting Setting: Allows to set pen lifting time and touch panel sensitivity
- Chinese System Setting: Traditional / Simplified
- LCD Frequency Stabilizer: Set local power frequency, 50 / 60 hz
- Hot Line: Shows phone number, fax number, website and OS version. You are allowed to upgrade OS version through PC-Link function and latest OS downloaded from our website.

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5. Commemorative Days

- Allows to create lunar and solar commemorative days
- Allows to input Thai, English, numbers and special symbols
- You are allowed to define the field names
- Allows to duplicate, modify, delete a record or create a new one
- Allows to set a password for the security of saved data

6. Lunar and Solar Calendar

- Provides the lunar and solar calendars simultaneously
- Provides calendars from year January 1881 to December 2099
- Allows to view 6-months calendar in one screen
- Allows to check daily routines, schedules, tasks and commemorative days

7. Thai Charter of History

- List of major historic events in Thailand

8. Games World


- Built-in 14 funny games: 21 points, Square World, Gobang, Othello, Land Mines, Puzzle, Fruit Dishes, Kongming Chess, Besta Archer, Alphabet Blocks, FreeCell, Jigsaw Puzzle, Pipe and Tetris.

9. Memory

- Allows to manage main memory and extension memory
- Allows deleting personal data or settings

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1. Local and World Time

Tap  under the Time menu.

Displays the local time of 3 cities, and provides alarm clock function.

1.1 Select the Cities

More than 240 major cities will be displayed together with the time differences between the cities and Greenwich Mean Time (GMT) for your selection.

- Tap a city.
- Press  /  to scroll a line up/down when selecting a city.
- Press  /  to display the previous / next page.
- You are allowed to input English name of a city directly.
- Highlight a city, press  or tap [Finish] to confirm.

Ex. Change the world time from

"New York" to "Tokyo".

The displaying screen of

"Local & World Time".

Tap "New York".

Input [to].



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Press



Press

1.2 Daylight-saving Time (DST) or Summer Time

DST is the time set one hour earlier than the normal time.

- Tap the block of to enable DST.
- Repeat step A to disable the setting.

1.3 Adjusting the Date and Time

- Tap [F2 Set Time].
- Tap the field of "Local City", you are allowed to choose a local city here.
- Tap the field of "Date" to select a new date, tap [F2Today] to select the system's date.
- Tap the field of "Time" to adjust the time.
 - Tap [F2Now] to select the system's time.
 - Tap the fields of hour, minute and am/pm, tap / to adjust.
 - Tap [Finish] to confirm.

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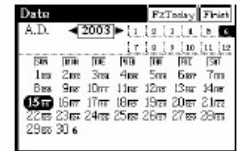
- Tap [F1 Date/Time Format Settings] to set the format of data and time.
 - Tap and select formats.
 - Tap [Finish] to confirm.

- Tap [Finish] to confirm the settings.

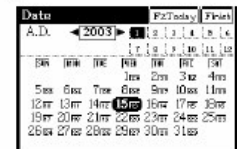
For example, adjust the date and time to "2003.01.15 15:00".
Tap [F2Set Time].



Tap the field of date.



Select 15th Jan, 2003.

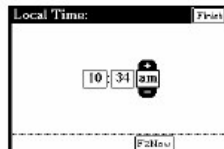


Tap [Finish].

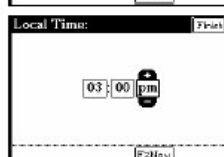


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Tap the field of time.



Adjust the time to 3:00p.m.



Tap [Finish].



Tap [F1Date/Time Format Settings].



Select 24-hour System.



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Tap [Finish].



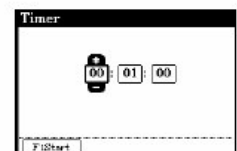
1.4 Timer

Tap [F1Timer] to count down from a certain time, the alarm will be activated when time is up, and a message will be displayed on the screen.

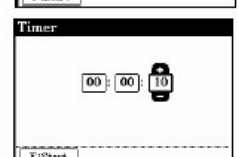
- Tap the field of hour, minute and am / pm, tap / to adjust.
- Tap [F1Start] to start counting down, tap [F1 Pause] to hold the timer.
- When the timer is pausing, tap [F1 Start] to continue.
- When the timer is pausing, tap [F2 Reset] to restore the time.

Ex. Count down 10 seconds.

Tap [F1Timer].



Adjust time.



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Tap [F1Start].

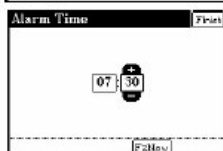
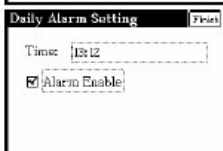
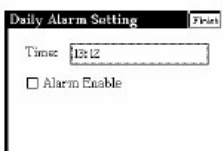


Time is up.



1.5 Alarm Clock

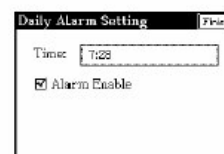
- Tap [F3Alarm].
- Tick the selection block of "Alarm Enable".
- Tap the field of "Time" and time the alarm.
 - Tap the field of hour, minute and am / pm, tap **+** / **-** to adjust.
 - Tap [Finish] to confirm.
 - Tap [F2Now] to select current system time.



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D. Tap [Finish] to confirm the Settings.

Note: There is no "am/pm" in 24-hours system

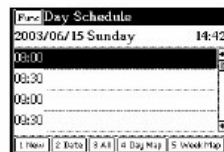


2. Schedule

The scheduler keeps track of appointments, meetings and other data related with date and time.

2.1 Setting Up Data

- Tap under the Time menu.
- Tap [F1New] or tap the corresponding time period on the chart to access the editing screen.
 - Press / to select a period.
 - Press / to display the schedules of the previous / next day.
- Inputting data.
 - Tap the field of "Date" to access the calendar then choose date.
 - Tap the field of "Time" and tap **+** / **-** to adjust the period.
 - Press to move the cursor to the next line.
 - Press / / / to move the cursor.
 - Press / to display the previous / next page.
 - Tap the field of "Period" to select the repeating period.



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- Tick "Alarm" block and tap to select alert time.
- Tap [F5] to secure the data.
- If you press , the following screen will be displayed.

- Select "Y" to save the data.
- Select "N" to exit without saving the data.
- Select "C" to cancel the operation, does not exit from current function.



D. Tap [Save] to save the data.

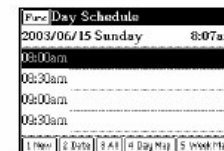
2.1.1 Repeating Period

- No Repeat – the event happens once only.
- Daily Repeat – the event happens every day or every several days.
- Weekly Repeat – the event happens every week.
- Monthly Repeat – the event happens every month, same day, but can be counted by week or day.
- Yearly Repeat – the event happens once a year on the same day.
- Tap to select a repeating period.
- Set the effective date (Start/Close)
- Tap [Finish] to confirm.

For example, create a new schedule and event of "playing golf"; repeat 6:00 a.m. every Monday, Wednesday and Friday, alert with alarm 1/2 hour before the event.

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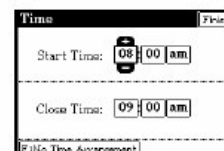
A Day Schedule



Tap [F1New].



Tap the field of "Time".



Adjust time.

Tap [Finish].

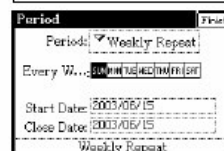
Input "Play golf".



Tap the field of "Period".

Tap .

Select "Weekly Repeat"



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Tap "MON", "WED" and "FRI".
Set the effective date. (Start/Close)

Tap [Finish].
Tick the "Alarm" block.
Tap [✓].

Press numeric key [5]

Tap [Save] to save the data.

Note: A mark appears if the alarm has already been set.

2.1.2 Securing the Data

Please refer to the related explanations in "Name Card Manager".

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2.2 The Index Screen

The "Schedule" provides 4 index screens: "A Daily Schedule", "All Schedule", "Daily Chart" and "Weekly Chart". Tap the related keys to switch among the index screens.

2.2.1 A Daily Schedule

- Press / to scroll a line up / down.
- Press / to display schedules of the previous / next day.
- Tap a scheduled event or press to browse the details.

2.2.2 All Schedules

- Press / to scroll a line up / down.
- Press / to display schedules of the previous / next day.
- Tap a scheduled event or press to browse the details.

2.2.3 Daily Chart

Provides all the daily schedules in a chart, 2 hours a period, 12 periods a day. The scheduled events will be marked.

- Press / to scroll a line

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up / down.

- Press / to display schedules of the previous / next day.
- Tap a scheduled event or press to browse the details.
- Tap the marked area on the chart to browse the details.
- New event can be added in the blank period.

2.2.4 Weekly Chart

The weekly chart provides all the events happen in one week with a chart, from Saturday to Sunday, 2 hours a period, 12 periods a day. The scheduled events will be marked.

- Press / to scroll a line up / down.
- Press / to display schedules of the previous / next day.
- Tap a scheduled event or press to browse the details.
- Tap the marked area on the chart to browse the details.
- New event can be added in the blank period.

3.3 Settings

- Tap [Func] on the index screen, select "2.Setting".
 - Tap the field of "Start Time", and then adjust the time with / .
 - Tap "Time Display Mode" and select the way to express period for the detail of an event.
 - Tap [✓] after "Default Lasting Time" to select the duration of events.
 - Tap [✓] after "List Time Interval" to select the time interval of

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periods in a daily schedule.

- Tap [Finish] to confirm.

For example, set start time as 6:00 a.m. and the time interval of periods is 1 hour.

Tap [Func]

Select "2.Setting"

Select the related settings.

Tap [Finish] to confirm.

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






2.4 Searching the Events of a Specified Date

Tap [F2Date] on the index screen and select a date, the events of the day will be displayed.

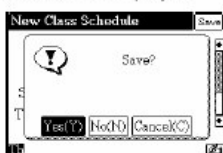
Note: For other operations such as modifying, duplicating or deleting the data, please refer to the related explanations in "Name Card Manager".

3. Class Schedule

3.1 Adding Data


- Tap  under the Time menu.
- Press  /  to display the previous / next page (4 periods a page, 12 periods a day).
- Press  /  to select a period.
- Press  or tap the highlighted period to access the editing screen. If some data has already existed, the details will be displayed.
- Inputting data.
 - ✦ Tap  to select day and period.
 - ✦ Press  /  to move the cursor.
 - ✦ Press  to move the cursor to the next line.
 - ✦ If you press , the following screen will be displayed.

- Select "Y" to save the data.
- Select "N" to exit without saving any data.
- Select "C" to cancel the operation, does not exit from current screen.



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4. Worked Hours Management

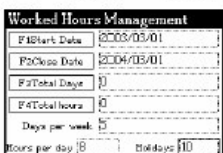
Tap  under the Time menu.

- Enter the known values.
- The default values for "Days per week", "Hours per day", "Holidays" are 5 days, 8 hours and 0 day, you can change these values by yourself.
- Tap the unknown items such as [Start Date], [Close Date], [Total Days] or [Total Hours] to calculate these values.

For example, calculate the total working days and hours from 1st Mar 2003 to 1st Mar 2004, there are 10 holidays within this period.



Input Start date, Close date and holidays.



Tap [Total Days] and [Total Hours].




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F. Tap [Save] to save the data.

For example, editing the class schedule.


The index screen

Press  to access the editing screen.

Con...	NO.1	NO.2	NO.3	NO.4
Mon				
Tue				
Wed				
Thu				
Fri				
Sat				
Sun				

Select "Monday" and "1st".

Input data

New Class Schedule 

NO.1 1st

Subject: English

Teacher: Charles

Place: A2


Tap [Save]

Con...	NO.1	NO.2	NO.3	NO.4
Mon	Eng...			
Tue				
Wed				
Thu				
Fri				
Sat				
Sun				

Input other data.

Con...	NO.1	NO.2	NO.3	NO.4
Mon	Eng...	Math	Dance	Sport
Tue	Music			
Wed				
Thu				
Fri				
Sat				
Sun				

Note:

- Press  to delete a highlighted period on the index screen.
- For browsing, modifying, duplicating and deleting a data, please refer to related explanations in "Name Card Manager".

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5. Commemorative Days

5.1 Adding Data










- Tap  under the Time menu.

- ✦ If no data has ever been saved, the device will display the following messages.
- ✦ Select "Y" to input new data.
- ✦ If some data has already been saved, the device will display the index screen.



- Tap [F1New] to input new data.

- Inputting data.

- ✦ Tap  to select a category (solar / lunar).
- ✦ Tap the field of "Date" to select date.
- ✦ Press  to move the cursor to the next line.
- ✦ Press  /  to move the cursor.
- ✦ Press  /  to display the previous / next page.
- ✦ If the password has already been set in the <Time / System Setting / Password Setting>, tap [F5] to secure the data, and the default lock icon  will change into icon .
- ✦ If you press , the following screen will be displayed.

- Select "Y" to save the data.
- Select "N" to exit without saving any data.
- Select "C" to cancel the operation, does not exit from current screen.



- Tap [Save] to save the data, and then access the index screen.

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For example, add an commemorative day date" 14th Feb, Valentine.

Editing screen.

Input data

Tap [Save] to save the data.

5.2 The Index Screen

The index screen will display all current commemorative day data.

"☀" means Solar Commemorative Day.

"☾" means Lunar Commemorative Day.

Note: For browsing, securing, modifying, duplicating or deleting data, please refer to related explanations of "Name Card Manager".

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6. Lunar and Solar Calendar

Provides the lunar/solar calendars simultaneously.

Tap under the Time menu.

A. Tap [◀] / [▶] or press / to adjust year.

B. Tap the year and change it.

C. Tap [1]~[12] or press / to select month.

D. Press / to select day, or tap the day directly.

✦ If there is a small block by the right side of the day, it means some scheduled events are available.

✦ If there is a "+" by the right side of the day, it means this is a commemorative day.

E. Tap the highlighted date, choose one of the selections:

✦ Daily Routines – To view scheduled events, tasks and commemorative days of that day.

✦ Schedule – Access "Schedule".

✦ To Do List – Access "To Do List".

✦ Commemorative Days – Access "Commemorative Days".

F. Tap [F2 Six months] to view

6-months calendar.

✦ Press / to display the previous / next 6-months calendar.

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For example, view the daily routine of 16th June.

Select 16th June

Tap [1]

7. Thai Charter of History

Tap under the Time menu.

For example, tap [1] to view the content

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8. Games world

Tap under the Time menu.

8.1 21 Points (Blackjack)

The basic premise of the game is that you want to have a hand value that is closer to 21 than that of the dealer, without going over 21.

The value of a hand is simply the sum of the point counts of each card in the hand.

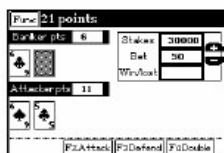
✦ An Ace can count as either 1 or 11, it's assumed to always have the value that makes the best hand.

✦ The cards from 2 through 9 are valued as indicated.

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- ✧ The 10, Jack, Queen, and King are all valued at 10.
- ✧ A blackjack, or natural, is a total of 21 in your first two cards. A blackjack is therefore an Ace and any ten-valued card, with the additional requirement that these be your first 2 cards. You win if you have a blackjack, unless the dealer has a blackjack too.

- Tap / to set your desired bet.
- Tap [F1Deal] to start a new game. 2 cards will be dealt to the player.
- Tap [F2 Hit] to draw one more card.
- Tap [F3 Stand] to stop here and compare with dealer's hand.
- If the total values of your first 2 cards is between or equal to 9 and 11, [F4Double] will appear on the lower screen. Tap [F4Double] to double your bet.
- If you are dealt a matching pair of cards for the first 2 cards, [F5Split] will appear on the upper right screen. Tap [F5Split] to split the hand into two separate hands, and play them independently.



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Question 1: What is "Doubling Down"?

Doubling down allows you to double your bet and receive one, and only one, additional card to the hand. The system allows you to doubling down if the total value of your first 2 cards is between or equal to 9 and 11.

Question 2: What is "Splitting Pairs"?

When you are dealt a matching pair of cards (remember, ignore the suits), you have the ability to split the hand into two separate hands, and play them independently.

Question 3: What is "Insurance Bet"?

If the dealer turns a face-up card of an Ace, the system will offer "Insurance Bet" to the player. If the "Insurance Bet" has been made, its bet will be half of your original bet amount. If the dealer does have Blackjack, your winning Insurance bet will be paid at odds 2:1. You'll lose your original bet of course (unless you also have a Blackjack), so the net effect is that you break even. This is why the bet is described as "insurance", since it seems to protect your original bet against a dealer blackjack. Of course, if the dealer does not have blackjack, you'll lose the insurance bet, and still have to play the original bet out. Unless you know the bet is favorable, just ignore it; this is because the insurance bet is normally a poor bet for the player, with a high house advantage.

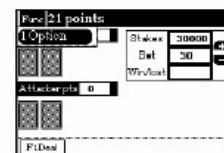
Question 4: What is "Soft 17"?

A hand that contains an Ace is called a "soft" total if the Ace can be counted as either 1 or 11 without the total going over 21. For example (Ace, 6) is a soft 17. The hand (Ace, 6, 10) on the other

- If the dealer turns a face-up card of an Ace, an "Insurance bet" will be offered to the player. Tap [Y] to confirm or [N] to ignore it.



- Tap [Func] and select "Option".



- ✧ You are allowed to set maximum bet and stakes. Tap the numbers behind "Maximum bet" and "Stakes" to set it.
- ✧ Tick the squares in front of 2 other conditions, "Dealer Hits Soft 17" & "Allow splitting pairs of Aces"
- ✧ Tap to select 1 to 4 decks of cards.



- Press to exit from the game.

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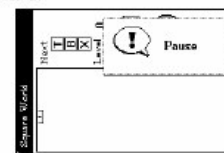
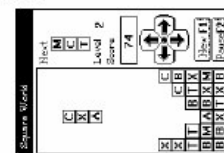
hand is a "hard 17", since now the Ace must be counted as only 1, again because counting it as 11 would make the hand go over 21.

8.2 Square World

Tap "2.Square World" under the game menu.

Rules:

- If three or more than three blocks with same alphabet get in one line, it will be eliminated.
- If more than one line are completed at the same time, only one of them will be eliminated first, if the other line is still completed after the elimination, then it will be eliminated next.
- Press [0]-[9] to select level of difficulty.
- Press to rotate alphabets of the blocks.
- Press to move the block upward.
- Press to speed up the block downward.
- Press to move the block downward.
- Tap [F1New] to start a new game.
- Tap [F2Pause] to pause the game.
- Press to exit from the game.

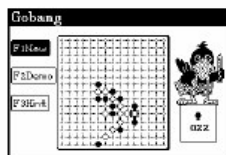


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8.3 Gobang

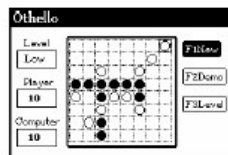
The players take turns to place their chess pieces at intersect of lines on the board. If one of the players succeeds in placing five chess pieces in a row vertically, horizontally or diagonally, the player wins the game.



- Tap [F1New] to start a new game.
- Tap [F2demo] for automatic demonstration.
- Tap [F3 Hint] for the hint of your next step.
- Tap at intersects of lines on the screen to place your chess pieces.
- If you operate with keyboard, press \uparrow / \downarrow / \leftarrow / \rightarrow to move the cursor and then press [Y] to place a chess piece.
- Press ESC to exit from the game.

8.4 Othello

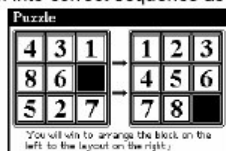
- Place a white chess piece to a square to let the black chess piece positioned in the middle of your chess piece, the black chess piece will turn into white (yours). You win if your chess pieces occupy more squares at the end.
- Press \uparrow / \downarrow / \leftarrow / \rightarrow to move the cursor or tap the blocks on the screen to place a chess piece.
- Tap [F1New] to start new game.
- Tap [F2 Demo] for automatic demonstration.
- Tap [F3Level] to set level.
- Press ESC to exit from the game.



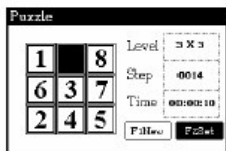
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8.6 Puzzle

Move the numeric blocks to arrange them into correct sequence as the picture on the right.

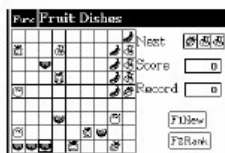


- Tap [F2Set] to select 3*3, 4*4 or 5*5 grids.
- Tap [F1New] to start a new game.
- Press \uparrow / \downarrow / \leftarrow / \rightarrow to move the blocks.
- Press ESC to exit from the game.



8.7 Fruit Dishes

There are total 7 kinds of fruits. Move the same five fruits into a horizontal, vertical or diagonal line. Once you succeed, the five fruits will disappear and scores will be given. You lose whenever there is no empty block anymore.



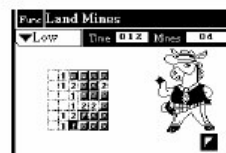
- 3 fruits will be added into the dish for every tap.

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8.5 Land Mines

Operation as following:

- Tap \blacktriangledown to select level of difficulty.
 - Low - for 6 landmines.
 - Middle - for 10 landmines.
 - High - for 18 landmines.
- Press \uparrow / \downarrow / \leftarrow / \rightarrow to move the cursor and then press ENTER to tread on the square.
- Tap to tread on the square.
- Tap \square , then tap on the square to put a flag in the square, tap on the square again to put a '?'. These will help you to remember where the dangerous squares are when playing the game.
- The game is over if you tread on a landmine, you dead!
- If no landmine in the square, a number will be shown, it means the number of landmines around that square.
- If you haven't tread on any landmines and no more square to be treaded, you win the game.
- Tap [Funk] and select [1New Game] to start a new game.
- Press ESC to exit from the game.



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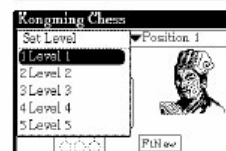
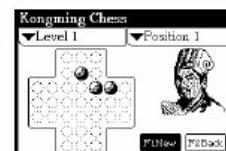
- Tap at fruit, and then tap at the empty block to move the fruit if and only if there's a way to get to the destination.
- Tap [F1New] to start a game.
- Tap [F2Rank] to see the rank.
- The 3 fruits appear at the upper right screen is the next fruits to be added into the dish.
- Tap [Funk] and select "1New Game" to start a new game. Select "2Rank" to check the ranking of the top 3 scores.
- Press ESC to exit from the game.



8.8 Congaing Chess






Each chess piece is allowed to leap over the adjacent (horizontal or vertical) chess piece only. The chess piece leaped over will be eliminated from the board. You win the game when the last chess piece is left in the middle of the board.

- Tap \blacktriangledown Level] to select level of difficulty.
- Tap \blacktriangledown Position] to select different position.
- Press \uparrow / \downarrow / \leftarrow / \rightarrow to select a chess piece with the cursor,



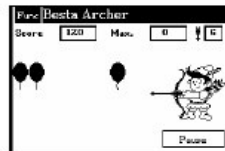
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
press [Y] to confirm.

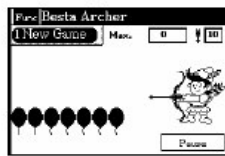
- D. Press  /  /  /  to select a circle to move to, press [Y] to confirm.
- E. Tap [F1New] to start a new game.
- F. Tap [F2Back] to retract a step.
- G. Press  to exit from the game.

8.9 Besta Archer

There are 4 levels in the game. In each level, the user must shoot all the moving targets to access the next level.



- A. There are 10 arrows in level 1, 8 in level 2, 6 in level 3, 4 in level 4. Any arrows left in each level can be used in the next level.
- B. Tap once on the archer, an arrow will be set on the bow.
- C. Tap on the archer once again, the arrow will be shot when you lift the stylus.
- D. If no more arrows left but still have some targets not been shot, you lose the game.
- E. Tap [Func], "1 New Game" to start a new game.
- F. Tap [Pause] to hold the game until you press  again.



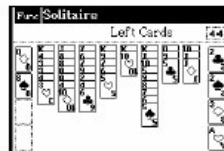
How will the points be counted?

- A. Level 1 - 30 points for each balloon.
- B. Level 2 - 50 points for each black balloon, but lose 100 points if you shoot a white balloon, because it is not the shooting target.

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8.11 FreeCell

The object of FreeCell is to move all the cards to the home (right) cells, using the free cells (left) as placeholders.



To win the game, you have to make four stacks of cards on the home cells, one for each suit, stacked in order of rank, from lowest (ace) to highest (king).

- A. The game area consists of four home cells, four free cells, and a deck of cards, which is dealt face up in eight columns at the beginning of the game.
- B. To move a card, tap the card you want to move, and then tap where you want to move it.
 - ✧ When moving cards to columns, cards must be moved in order from highest (king) to lowest (ace), alternating suit colors.
 - ✧ When moving cards to home cells, cards must be moved in order from lowest (ace) to highest (king), same suit.
 - ✧ A card from the bottom of a column can move to a free cell, the bottom of another column, or a home cell.
 - ✧ A card from a free cell can move to the bottom of a column, or to a home cell.
- C. Tap [Func]/[Deal] to start a game.
- D. Tap [Func]/[Select Game] to select a new game.
- E. Tap [Func]/[Replay] to restart the same game.
- F. Tap [Func]/[Setting] to decide whether displaying a message on illegal moves to display a message when a move is not allowed.

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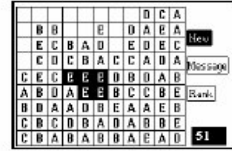
C. Level 3 - 80 points for each butterfly

D. Level 4 - 50 points for outer target, 80 points for middle target and 130 points for inner target.

8.10 Alphabet Blocks

There is a letter in every block of a [11*9] table. Only "A", "B", "C", "D" & "E" will appear on the screen.

- A. Tap on a letter, if there is any same letters in the adjacent blocks, all of them will be highlighted.
- B. Tap again to eliminate the highlighted letters from screen.
- C. The letters will move downward if the letters below are eliminated.
- D. The letters will move leftward there is no more letter in the whole left line.
- E. Try to eliminate as many letters as you can.
- F. The scores given will be the square numbers of eliminated letters.
- G. Tap "New" to start a new game.
- H. Tap "Message" to view the numbers of letters.
- I. Tap "Rank" to check the ranking of the top scores.



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G. Tips

- ✧ Before you make your first move, look for trouble spots such as aces hidden at the tops of columns or low-numbered cards stacked behind higher-numbered cards.
- ✧ Try to keep your free cells unoccupied as much as possible. Empty columns are also valuable.
- ✧ You can quickly move a card to a free cell by double-tapping the card.

8.12 Jigsaw Puzzle





The object of Jigsaw Puzzle is to form the original picture by moving and rotating the pieces divided into 9, 16, 25 or 36.



- A. Tap  to select picture.
- B. Tap  to select 3x3, 4x4, 5x5 or 6x6.
- C. Tap [Start] to start a game.
- D. Tap the piece at the left zone, and



then tap on the blank square at the right.

- E. Tap on the moved piece again to rotate it clockwise.
- F. If you operate with keyboard,
 - ✧ Press  /  /  /  to move the cursor.
 - ✧ Press [Shift] to switch between the maps.

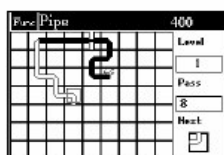


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- ✧ Press [R] to rotate a piece of picture.
- ✧ Press [Y] to select and move a piece of picture.

8.13 Pipe

There are 5 levels in the game. The object is to connect as many pipe as you can to prevent the water flow out.



- The water begins flowing after 5 seconds you start the game.
- Tap the blocks to pave pipe, you can tap the block again to select a pipe you need.
- There are several types of pipes, vertical pipes, horizontal pipes, bending pipes, crossing pipes, etc. A crossing pipe consists of 2 disconnected pipes, a horizontal and a vertical.
- The next pipe is shown at the lower right corner of the screen.
- If you can make water flow through 16 blocks, you can access the next level; 50 points will be given for each block.
- After 16 blocks, you get 100 points for each block the water pass, if the water pass a circulation combined with cross pipe, you get 500 points.
- If the water is flowed out without passing 16 blocks, you lose the game.
- When you pass the first level and your score is high enough, you are allowed to input your name for the rankings.
- In level 2, there are some obstacles that you cannot pave any pipes in the blocks.
- In level 3, there are some ball-shape pipes added. If the water flows through a ball-shape pipe, you gain 1000 points.

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9. Memory

Tap under the Time menu.

- Press / to scroll a line up / down.
- Press / to display the previous / next page.



Note:

- If there isn't any saved data under a specified function but it shows "1KB" used, it means some settings such as category or user-defined field name have been set.
- The icon means the device's memory.
- An arrow will be displayed if an extension card is inserted. Tap the arrow to show the extension memory, tap to show the device's memory.

9.1 Optimize the Memory

Rearrange the memory and release space for more personal data.

- Tap [F1Optimize]
- Tap [Start(S)]
- Tap [OK] after the optimization is completed.



Note:

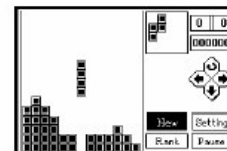
Do not turn off the power during optimization, otherwise some unpredictable mistakes may appear or your personal data may loss.

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- In level 4, there are some directional pipes added. Water can only pass through a directional pipe according to the direction the arrow indicates. If the pipe is paved in a wrong direction, the water will flow out.
- In level 5, there are more ball-shape pipes than level 4.
- Tap [Func] to restart a new game, pause, set level and check the rankings of scores.

8.14 Tetris

The falling squares will be eliminated if they form a complete horizontal line. You lose the game when the blocks dumped high enough to touch the top.

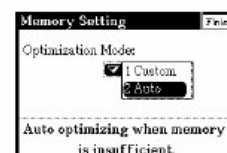


- Press to rotate the falling squares.
- Press / to move the falling squares left or right.
- Press to speed up the falling squares.
- The squares appear at the upper center screen are the next squares.
- Tap [New] to start a new game.
- Tap [Rank] to check the rankings.
- Tap [Pause] to hold the game, press to continue.
- Tap [Setting] to set falling speed and starting level. The speed and level are shown at the upper right screen.
- Your score is shown in the rectangle right below the speed and level.

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9.2 Memory Setting

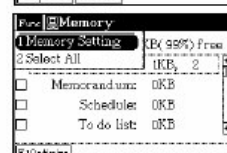
- Tap [Func] and select "1.Memory Setting".
- Tap to select the optimization mode.
 - ✧ Auto – the memory will rearrange automatically whenever out of memory space.
 - ✧ Customer – there is user's decision for the rearrangement.
- Press [Finish] to confirm.



Note: Automatic rearrangement is only available for the device's memory.

9.3 Deleting Data

- Tick the item to be deleted.
- Tap [F2Delete] and tap [Y] to confirm.
- Tap [Func] and select "Select All" to tick all items.




Note:

- All the personal data, new category, user-define fields and settings of highlighted item will be deleted.
- The memory will only be released after memory optimization.



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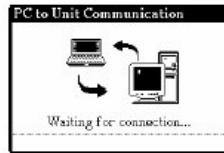
10. Information Communication

Tap  under the Time menu.







10.1 PC to Unit Communication

First of all, install the PC-Link software into your personal computer (PC), and then connect the device and PC with a PC-Link cable. The personal data of the device is allowed to be exchanged with a computer via PC-Link or transfer downloaded database/software from a computer.



For details, please refer to the instructions of "CyberLink".

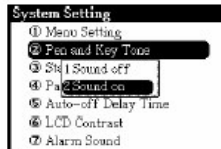
10.2 Unit to Unit Communication (needs optional accessories)

- Connect 2 devices of the same model with a Data-link (optional accessories).
- Tap [F1Send] on the transmitting end.
 - Tick or tap the items to be sent.
 - Press  /  to scroll a line up / down.
 - Press  /  to display the previous / next pages.
 - Tap [F1Select All] to select all items.
 - Tap [F2Reverse Select] to select all items that haven't

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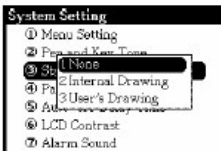
11.2 Pen and Key Tone

- Press [2] under the System Setting menu.
- Tap to set sound off or sound on.





11.3 Startup Picture

- Press [3] under the System Setting menu.
- Select None/Internal Drawing/User's Drawing.
- When selecting Internal Drawing, select an image, then tap [F1Set as startup picture], tap [OK] to confirm.



11.4 Password Setting

11.4.1 Setting New Password



- Enter new password (up to 8 digits or letters).
- Press  /  or [TAB] to move the cursor.
- Enter the same password again to confirm.
- Tap [Finish] to confirm.

After password setting, the screen below will be displayed.



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
selected only.

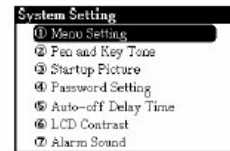
- Tap [Func] and select "1.Show Private" to display all secured data in the list.
- Tap [F3Send] to start sending data to another device.
- If you tap a highlighted item and press , you are allowed to browse the list of data.
 - Tap [F1Send All] to send all data in the list.
 - Tap [F2Send by item] to send the highlighted data only.
 - Tap a highlighted item or press , to browse the details, tap [F1Send by item] to send this data.
- Tap [F2Receive] on the receiving end.

Note:

If the communication is fail, check the data-link connection of the devices.

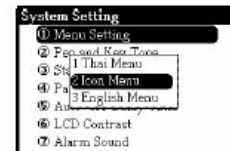
11. System

Tap  under the Time menu.





11.1 Menu Setting

- Press [1] under the System Setting menu.
- Tap to select menu type.



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- Tap [F1Set Password] to change password.
- Tap [F2Lock Master] to secure the device; you need to enter the password whenever you turn on the power. Tap [F2Unlock Master] to unlock the device.
- Tap [F3Clear Password] to clear the password.
- Press  /  or [TAB] to move the cursor.

11.4.2 Password Setting

- Enter old password.
- Enter new password.
- Enter new password again to confirm.
- Tap [Finish] to confirm.



11.4.3 Securing the Device

If the device is secured, you need to enter correct password whenever turning on the power.

- Enter correct password.
- Tap [Finish] to confirm.

Note: Same method to unlock the device.



11.4.4 Clearing Password

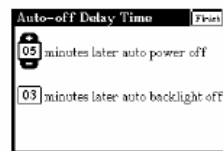
- Enter correct password.
- Tap [Finish] to confirm.

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11.5 Auto-off Delay Time

Press [5] under the System Setting menu.

- Tap  /  to adjust Power-off time and auto backlight off time.
- Tap [Finish] to confirm.

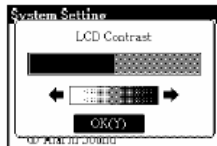


Note: If you use battery(ies) as the main power, the power and LCD backlight will be turned off automatically if no key is pressed for a specified period of time. If you use adapter as the main power, the auto-off function will be disabled.

11.6 LCD Contrast

Press [6] under the System Setting menu.

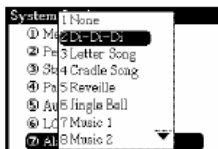
- Tap the black bar graph to adjust LCD contrast.
- Tap [OK] to confirm.



11.7 Alarm Sound

Press [7] under the System Setting menu.

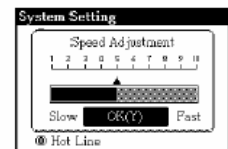
Press the corresponding numeric key to select desired alarm sound.



11.8 Speech Adjustment



Press [8] under the System Setting menu.

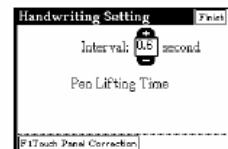
Tap the graduations to adjust the speed, then tap [OK] to confirm.



11.9 Handwriting Setting

Press [9] under the System Setting menu.

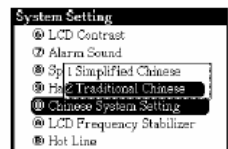
- Tap  /  to adjust pen lifting time.
- Tap [F1 Touch Panel Correction] to adjust touch pad sensitivity, and then tap the center of circle to finish the correction.



11.10 Chinese System Setting

Press [0] under the System Setting menu.

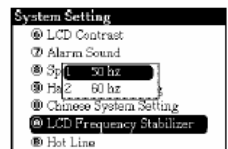
Select "Simplified Chinese" or "Traditional Chinese"



11.11 LCD Frequency Stabilizer

Press [A] under the System Setting menu.

Select 50HZ or 60HZ according to the frequency of local electricity power.



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11.12 Hot Line

Press [0] under the System Setting menu.



- Once you have connected the device with your PC, and you have a new version of OS upgrade software, you can run the mentioned software in your PC.
- Tap [Func] and press [1] to upgrade system.

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