

## ➤ **Power System**

- \* If the screen remains blank after pressing [on/off], please follow the steps listed below:
  - a. Please check if batteries are securely in place.
  - b. Adjust the contrast control to adjust the screen contrast for optimal screen viewing.
- \* Please remove the main batteries to avoid leakage and damage to the unit whenever the unit is not used over an extended period of time.
- \* Please use the rechargeable NiH battery pack that comes with the device.

## ➤ **Data Storage**

- \* All important data should be copied onto separate permanent printed records. Any data loss caused by consumer ( improper use, maintainance, battery replacement ) is not covered by warranty.

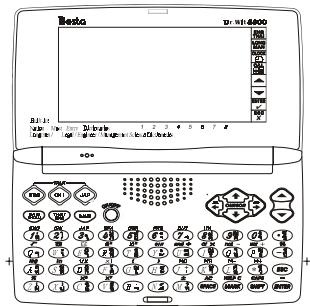
## ➤ **Handwriting Recognition Operation**

- \* To avoid scratching on the screen, use the stylus that comes with this device only.
- \* Cleaning the screen lightly with a dry and soft cloth. Do not use volatile liquids.

## ➤ **Warning**

- \* The unit is not waterproof, please keep it away from any liquid.
- \* The screen may crack if the unit is dropped.
- \* Some repair charge will be collected when the defect is caused by the user, even if the unit is still under warranty.

## Keyboard Layout



## Input System

## ➤ Inputting English

- \* Press [Thai/Eng] to shift to English input mode; then enter English letters.
- \* Press [shift] before inputting an English letter to shift it to upper/ lower case.

## ➤ Inputting Special Symbols


- \* In the English input mode, press [Mark] key to select the special symbols.

## ➤ Inputting Thai

- \* Press [Thai/Eng] to switch to the Thai input mode.

## 1. English and Thai Dictionary

- \* General vocabulary with clear Thai definitions.
- \* **Input type:** smart input
- \* **Search method:** Wildcard search -- replace the unknown letter(s) with “?” or “\*”.
- \* Secondary searches -- Spelling check, nearest word and user’s dictionary.
- \* Provides example, grammar, synonyms, antonyms and phrases
  - \* Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.
- \* English pronunciation for headword.



>
1
2 .22
3 .30-30
4 -3
5 3-A
6 A
7 A-
8 A.

## 2. Thai and English Dictionary

- \* General vocabulary with clear English definition.
- \* Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.
- \* English pronunciation for highlighted words.



>
n (1)
n (2)
n 3 n
n-n
n-n

### 3. Longman English Dictionary

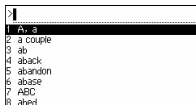
- \* General vocabulary with English definitions.
- \* Smart input.
- \* Wildcard search, cross search.
- \* Pronunciation for English headword and highlighted word.



>
1 A
2 A
3 a
4 a
5 a-
6 à la carte
7 à la carte
8 à la mode

### 4. Idioms and Phrases Dictionary

- \* English idioms and phrases with Thai definitions
- \* English pronunciation.
- \* Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.



>
1 A, a
2 a couple
3 ab
4 aback
5 abandon
6 abase
7 ABC
8 abed

### 5. Engineering Dictionary

- \* English words with Thai definitions.
- \* English pronunciation.
- \* Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.



>
1 8 - bit
2 8/16 -bit chip
3 8/16 - bit chip CPU
4 (3. program counter)
5 (2. programmable controller)
6 A
7 A battery
8 A, truss

## 6. Management Science Dictionary

- \* Contains seven dictionaries:  
Accounting dictionary,  
Banking dictionary,  
Com-merce dictionary,  
Economic dictionary, Finance dictionary,  
Management dictionary and Marketing dictionary.
- \* English terms with Thai definitions.
- \* English pronunciation..
- \* Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.

>
1 Absorption Costing
2 Accelerated Depreciation
3 Acceptance Ledger
4 Acceptor's Ledger
5 Account Analysis
6 Account - Current, Current Account
7 Account Form
8 Account Payable Procedure

## 7. Legal Dictionary

- \* Provides Legal Eng -Thai Dictionary and Legal Thai-Eng Dictionary.
- \* English pronunciation.
- \* Allows cross-searching among Eng -Thai Dictionary, Thai - Eng Dictionary and Longman Dictionary.

>
1 a all points
2 a back number
3 a bad egg
4 a bad lot
5 a bad word
6 a belly burglar
7 a besetting sin
8 a big (great) gun

## 8. Abbreviation Dictionary

- \* English terms with English definition.
- \* English pronunciation.
- \* Allows cross-searching among Eng -Thai Dictionary and Longman Dictionary.

>
1 3 Rs
2 A-1
3 a
4 A (1)
5 A (2)
6 A (3)
7 A (4)
8 A.A.

## 9. Homonym Dictionary

- \* English words with English homonyms.
- \* English pronunciation.
- \* Allows cross-searching among Eng - Thai Dictionary and Longman Dictionary.

>
1 Abel
2 Able
3 Accident
4 Accidents
5 Acclamation
6 Acclimation
7 Acetic
8 Acts

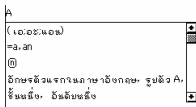
## Useful Vocabularies

- \* Contains 10 categories and 74 subcategories.
- \* Useful vocabularies in both English and Thai.
- \* English pronunciation for highlighted word.
- \* Allows cross-searching among Eng -Thai Dictionary, Thai-Eng Dictionary and Longman Dictionary.

ชุดกันสีดำ
tuxedo, dinner jacket, black tie
เสื้อคอแบดสีขาวชุดราตรีคอหงษ์ขาว
swallow-tailed coat, white tie
ชุดทวยหา

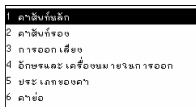
## B. TOEFL and Revision Dictionary

- \* Tests vocabularies from Eng –Thai Dictionary and Longman Dictionary.
- \* Provides four exercises: learning, review&test, recalling and pratice.
- \* Time counting and anwser revision.



### C. Dictionary Appendix

- \*  
( Please complete  
features  
in this unit. )



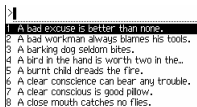
## 1. Travel Dialogues

- \* Contains 10 main themes and 46 situations, altogether 719 sentences in nine languages
- \* Allows cross-searching among Thai-Eng Dictionary, Eng-Thai Dictionary and Longman Dictionary.
- \* English, Chinese and Japanese pronunciations.



## 2. English Proverbs

- \* English proverb with Thai definitions.
- \* Allows cross-searching among Thai-English Dictionary, Eng -Thai Dictionary and Longman Dictionary.
- \* English pronunciation for the whole proverbs.



## 3. Thai Proverbs

- \* Thai proverbs with English definitions.
- \* Allows cross-searching among Thai-Eng Dictionary, Eng -Thai Dictionary and Longman Dictionary.
- \* English pronunciation.



## 4. English Names

- \* Male English names and Female English names with sources and meaning.
- \* Allows cross-searching among Thai-Eng Dictionary, Eng -Thai Dictionary and Longman Dictionary.

>
1 Aaron
2 Abbott
3 Abdul
4 Abel
5 Abner
6 Abraham
7 Absalom
8 Adair

## 5. English Prefixes

- \* Allows cross-searching among Thai - EngDictionary, Eng - Thai Dictionary and Longman Dictionary.
- \* Definitions in English and Thai.

>
1 a-(1)
2 a-(2)
3 a-(3)
4 ab-
5 ad-
6 aer-(o)-
7 ambi-
8 an-

## 6. English Suffixes

- \* Allows cross-searching among Thai-Eng Dictionary, Eng -Thai Dictionary and Longman Dictionary.
- \* Definitions in English and Thai.

>
1 -able(-ible)
2 -ade
3 -age
4 -al
5 -an
6 -ance(-ence)
7 -ant(-ent)
8 -ar

## 7. Adjectives

- \* Allows cross-searching among Thai-Eng Dictionary, Eng -Thai Dictionary and Longman Dictionary.
- \* Thai definition.
- \* English Pronunciation.

>	
1	aberrant
2	abhorrent
3	abject
4	ablaze
5	abnormal
6	aboriginal
7	abortive
8	above

## 8. Verb Patterns

- \* Contains 27 verb patterns.
- \* Provides several examples in English and Thai for each pattern.
- \* Allows cross-searching among Thai-Eng Dictionary, Eng -Thai Dictionary and Longman Dictionary.

S.+V.+D.O.(N./Pron.)
Subject+Verb+Direct Object(Noun/ Pronoun)
1.He saw his dog.
เขา เห็นสุนัขของเขา

## 9. English Sentence Exercises

- \* Rearrange the words of a sentence in correct order.
- \* 7 levels of test difficulty.
- \* Solution help:  
pronunciation, word explanation and clue.

บทที่ 1/10	คะแนน: [ 000 ]
> The poor . <	
> <u>man</u> his not feed and clothe could family properly <	
1 อดอยาก 2 อดอยาก 3 อดอยาก	

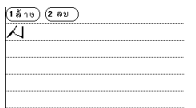
## A. Listening and Learning

- \* Saves word first in each dictionary and in travel dialogues.
- \* Listening and learning English words anytime, anywhere.
- \* English pronunciation.
- \* Setting: number of repetition, time interval and display selection.

①	บทสนทนาเพื่อการเดินทาง	
②	บทสนทนาเกี่ยวกับสุขภาพ	(ถัด)
③	บทสนทนาเกี่ยวกับสถานที่	(ถัด)
④	คำศัพท์ที่ใช้บ่อยๆ	(ถัด)
⑤	บทสนทนาเพื่อการเดินทาง	(ถัด)
<input type="button" value="เริ่ม"/> <input type="button" value="ปิดหน้าต่าง"/>		

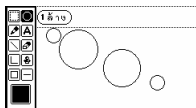
## 1. Note Taker

- \* Minimize your original handwriting or free writing.
- \* Data auto-saved.
- \* Data clear or deletion for current screen.



## 2. Paintbrush

- \* Drawing function.
- \* Provides on-screen tool for drawing.



## 3. Name Card Manager

- \* Allows to input data in Thai, English, numbers, and special symbols on the name card.
- \* Classified into four categories to store different cards.
- \* Searches name card through keywords and telephone number.
- \* Allows to create, input, save, categorize, edit, duplicate, modify and delete data.
- \* Allows to set a password for the security of saved data.
- Stores portraits with the name card.



## 4. Memorandum

- \* Searches data through titles and keywords.
- \* Allows to create, duplicate, modify, delete and save data.
- \* Allows to set a password for the security of saved data.

## 5. Personal Information

- \* Allows to create, modify, delete and save data.
- \* Allows to set a password for the security of saved data.

## 6. User's Dictionary

- \* Creates personal dictionary for searching.
- \* Allows to create, edit, delete and save data.
- \* Allows cross-searching among Thai - Eng Dictionary, Eng -Thai Dictionary and Longman Dictionary.
- \* English pronunciations for highlighted word.
- \* The create words can be looked up in the Eng – Thai dictionary and longman dictionary through secondary method.

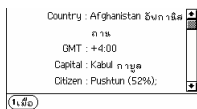
## 7. Telephone Information

- \* Contains information of International Dialing Guide, Country Code and Thai Area Code.



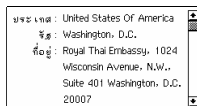
## 8. Travel Guide

- \* Provides detail information about 188 countries and their large cities.



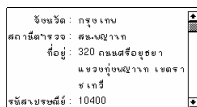
## 9. Thai Embassy Overseas

- \* Contains information about country, state, address, telephone, fax and homepage of Thai embassies overseas.



## Police Stations in Thailand

- \* Contains information about province, district, telephone, post code and fax of the police stations in different areas.



## B. Hospitals in Thailand

- \* Contains information about province, hospital name, address, post code, telephone and fax of the hospitals in different areas.

จังหวัด :	กรุงเทพมหานคร
ชื่อ ร.น. :	ร.น. กรมการแพทย์
ที่อยู่ :	กรมการแพทย์ ถนนวิภาวดี
	อยู่ตรงข้าม ร.น. เกวี่
รหัสไปรษณีย์ :	10400
โทรศัพท์ :	246-1450, 246-0029,

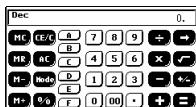
## C. Family Guide

- \* Provides helpful information about first aid, family doctor, family engineer and standard body weight.

♦ คำแนะนำ  
 มีข้อมูลที่จะช่วยให้คุณรู้ถึงวิธีใช้ของเครื่องใช้ต่าง ๆ  
 ที่ขายอยู่พร้อมที่จะช่วยคุณประหยัดเวลาและเงินของคุณ  
 ได้ มีแบบใช้พิมพ์: พิมพ์ดูได้ที่เว็บไซต์ของเรา  
 แบบ: ภาษาอังกฤษ, ภาษาไทย, ภาษาจีน, ภาษาญี่ปุ่น  
 ภาษาอังกฤษและภาษาไทย

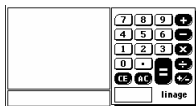
## 1. Calculator

- \* 12-digit number calculation for four basic arithmetical operations.
- \* Storage functions: [MR], [MC], [M+], [M-]
- \* Conversion computing among binary, octonary, decimal and hexadecimal systems



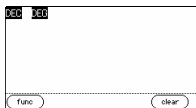
## 2. Multi-Lines Calculator

- \* Four basic arithmetical operations.
- \* Ordinal data list for searching and modification.
- \* Stores up to 99 data entries.
- \* Stores all input data automatically.



## 3. Scientific Calculator

- \* Four basic arithmetical operations and functions.
- \* Conversion computation among octonary, decimal and hexadecimal systems.



## 4. Graphic Calculator

- \* Provides general plotting and shade plotting.
- \* Graphs of functional equations.
- \* Displays four functional graphs simultaneously
- \* Graphic process: shift, trace and inequation for graphed equations

▼ General Plotting
 

Y1 = I  
 Y2 =  
 Y3 =  
 Y4 =

draw range func clear

## 5. Statistical Calculator

- \* Four basic arithmetical operations and calculation functions.
- \* Statistically calculates uniform, linear regressions, logarithmic regressions, index regressions and power regressions based on the values entered
- \* Sorts, analyzes up to 100 entries.

i	Xi	Yi
00	0	0
01	0	0
02	0	0
03	0	0

func calc sort clear

## 6. Formula Calculator

- \* Provides mathematic formula used in area, volum, series, probability, geometry and triangle.
- \* Calculates formula depending on the entered variables.

$$S = \frac{1}{2} ah$$
 a = I  
 h =  
 S =

mean func calc clear

## 7. Unit Conversion

- \* Converts various units of measure (length, area, volume, weight, temperature, etc.)
- \* Displays the conversion units and ratio.

▼ Length	▼ MM	▼ MM
Rate	1	: 1
Quan 0		0
Quan 0		0
Quan 0		0
Quan 0		0
<input type="button" value="clear"/>		

## 8. Currency Conversion

- \* 17 popular currencies for conversion
- \* Computation among the exchange rate and quantity.

▼ USD	Amount	0
Exch	Rate	Quantity
USD	1	0
BAHT	43.3	0
YEN	108.7	0
HKD	7.79	0
<input type="button" value="clear"/>		

## 9. Size Conversion

- \* Tables of corresponding size of clothing and shoes in different countries.

Women Clothes				
America	8	10	12	14
Britain	32	34	36	38
Japan	7	9	11	13
Germany	34	36	38	40

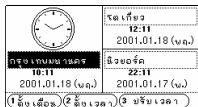
### A. Personal Finance

- \* Provides Expense, stock and loan management for record.

Personal Finance
① Expense Management
② Stock Management
③ Loan Management

## 1. Local and World Time

- \* Displays time and date of the local city and other cities simultaneously.
- \* Provides 228 world cities for selection.
- \* time adjustable.
- \* Provides daylight saving setting. ( Summer time )
- \* Alarm clock.



## 2. Schedule

- \* Displays weekly schedule.
- \* Allows to create, modify, save and delete schedule.
- \* Allows to set a password for the security of saved data.



## 3. Class Schedule

- \* Allows to create, modify and delete curriculum.
- \* Stores day and night class curriculum, including courses, teachers and places from Monday to Sunday.

	1	2	3	4	5	6	7	8
Mon								
Tue								
Wed								
Thu								
Fri								
Sat								

#### 4. Worked Hours Management

- \* Fills in either beginning day, ending day, total day or deducted day to figure out the ending day and total days.

#### 5. Commemorative Days

- \* Stores solar and lunar commemorative days.
- \* Allows to set a password for the security of saved data.
- \* Allows to create, modify and delete data.

#### 6. Lunar and Solar Calendar

- \* Allows to search any date of Solar & Lunar calendar from year 1881 to 2031.
- \* Allows to create schedule and commemorative day directly.
- \* Displays six months calendar.

#### 7. Thai Charter of History

- \* List of major historic events in Thailand.

## 8. Fortune Teller

- \* Tell fortune based on month, date and hour of birth of someone.
- \* Provides weight measurement of one's fortune in Chinese fortune teller.
- \* Provides curve chart to analyze how one's emotion, mental states and physical strength changed during a certain period of time.

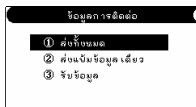
## 9. Games World

- \* Eight games: 21 points, Square World, Gobang, Othello, Kongming Chess, Land Mines, Puzzles and Fruit Dishes.



## Information Communication

- \* Allows to send and receive data.
- \* Allows to send single or all data from class schedule, paintbrush, name card management, etc.



### System setting

- \* Sets menu in Thai or English.
- \* Speech and tone adjustment.
- \* Sets the pen and key sound on or off.
- \* Sets start-up screen.
- \* Password set up and deletion.
- \* Sets the automatic power-off period.
- \* 12 or 24 hours for selection
- \* Adjusts the touch panel.
- \* Deletes the whole group of personal data
- \* Hot line service for customer contact.



### System Status

- \* Displays the memory states and the saved data groups.
- \* Defrags the memory system.

