# Penpower Handwriter for Mac User Manual

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# Penpower Technology Ltd.

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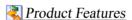
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There may be newer versions of the software that was released during or after this product's manufacturing date. If the content in the User Manual differs from the on-screen interface, please follow the instructions on the on-screen interface instead of the User Manual.



# **Product Features**

In this chapter, you will be able to learn:



# **Chapter 1 Product Features**

#### Multilanguage recognition kernel

Recognizes over 23,000 traditional and simplified Chinese characters, 4,818 special Hong Kong Chinese characters(HKSCS2001), English letters, symbols and numbers, Japanese Kanji, Katakana and Hiragana.

#### Full-screen inputting

Allows you to write continuously many characters at one time. It can be used together with software application such as iWork, Mail, or Microsoft Word... etc.

#### Inputting frame

Multiple inputting frames allow continuous inputting of characters, compatible with a variety of application software

#### Cursive writing recognition

Capable of recognizing extremely cursive handwriting accurately.

#### No particular writing order

No particular stroke order is required for accurate character recognition.

#### Artificial intelligence recognition kernel

Adapts to your handwriting styles and thus becomes your highly personalized handwriting recognition system.

#### **Dictionary and Inputting Tools**

Provides dictionary by radical or number of strokes for checking Chinese characters. Also included in the system are Zhuying, Pinyin and Cantonese Pinyin inputting methods.

#### Stroke color and writing speed

Provides different writing speed and different color of strokes. It also provides different ink width to make writing more fun.

#### Signature

You can put your signature anywhere in your iWork documents, even overlapping on top of your documents. Signature can also be inserted into Mail and be sent along with e-mail.

# 2 Installation

<u>In this chapter, you will be able to learn:</u>

**System Requirements** 

Installing Penpower Handwriter

**Installing Tablet Driver** 

# **Chapter 2 Installation**

# 2.1 System Requirements

- 1. Intel based Mac
- 2. Mac OS X 10.4 version or later version
- 3. USB port

# 2.2 Installing Penpower Handwriter

1. Insert the installation CD and double-click setup, the main installation window will appear as the following:



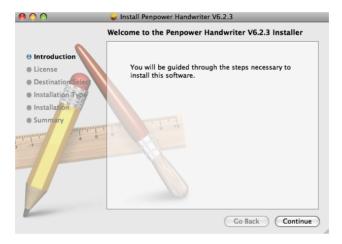
Tip: The installation CD includes **Tux Paint**. You can install from the installation menu. You will also find the user manual once the software is installed.



2. Click "Install Penpower Handwriting" and follow the instructions to install Penpower Handwriting.

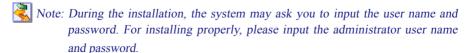


Note: During the installation, the system may ask you to input the user name and password. For installing properly, please input the administrator user name and password.



# 2.3 Installing Tablet Driver

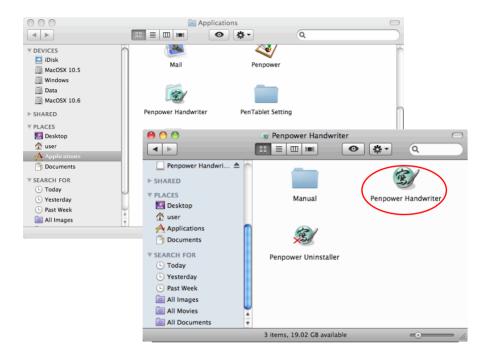
- 1. Plug in the USB cable of the tablet to a computer USB port.
- 2. If first time plugging in the tablet and see a keyboard setting window, please click [Close] button to close it.
- 3. Click "Install tablet driver" and follow the instructions to install the tablet driver.



4. Restart the system to install the tablet driver properly.

# 2.4 Running Penpower Handwriter

Run [Go/Applications/Penpower Handwriter/Penpower Handwriter] to launch Penpower Handwriter.



Penpower Handwriter provides Penpower Writing Pad mode and Full Screen mode. The detailed information will be explained in the following chapters.

# Penpower Handwriter Full Screen

<u>In this chapter, you will be able to learn:</u>

- Relationships among the Pen,
  Tablet and Screen
- Renpower Handwriter Full Screen Introduction
- Penpower Handwriter Full Screen Buttons
- **Settings**
- Practice Full Screen Writing

# **Chapter 3 Penpower Handwriter Full Screen**

Penpower Handwriter Full Screen is an environment of full screen continuous handwriting. It can be used together with software application. You can write anywhere on the screen, the recognized characters are sent to the cursor location.

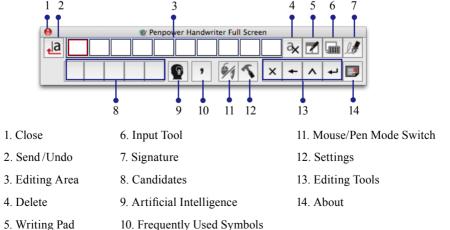
# 3.1 Relationships among the Pen, Tablet and Screen

The rectangle area on the tablet is directly matched to the screen. The top left corner matches the top left corner of computer screen. When you move your pen close to the tablet without touching it, the pen works as a mouse. When you press the pen against the tablet, it serves as pressing on the mouse.

"Writing on the Screen" means writing on the tablet, and the handwriting displays on the screen. It is not physically using the pen to write on the screen.

# 3.2 Penpower Handwriter Full Screen introduction

Run [Penpower Handwriter] to launch the Penpower Handwriter Full Screen toolbar. If it launchs the [Penpower Handwriter Writing Pad mode], you may click [Full Screen] button to switch to [Penpower Handwriter Full Screen mode].



# 3.3 Penpower Handwriter Full Screen Buttons

- 1. Close: Exit Penpower Handwriting system.
- 2. Send (Ja / Undo (La): Send the recognized texts from the Editing Area to the editing application. After sending the texts, the [Send] (Ja) button will become Undo (La). Click it to restore the texts of the Editing Area and return to the previous status. This function will be affected before you begin to write a new character.
- 3. Editing Area: All text inputs will be temporarily stored here.
- 4. Delete 🕟: Delete the selected text in the Editing Area.
- 5. Writing Pad **Z**: Switch to Penpower Handwriter Writing Pad mode.
- 6. Input Tool .: A supplementary tool with pinyin, keyboard and symbols.
- 7. Signature : Let you sign your signature or draw a picture in your document. Please refer to 3.4 Signature for more details.
- 8. Candidates: Display recognition candidates. If the recognition was faulty the candidate characters function can be used to fix characters that are wrong.
- 9. Artificial Intelligence : Learn from the way you write the character so to recognize the character correctly next time. If the candidate character field does not show the correct character for use, click on the [Artificial Intelligence] to correct and learn your writing. Please refer to 3.5 Artificial Intelligence for more details.
- 10. Frequently Used Symbols : Provide frequently used symbols such as : ; ? ! . Click one symbol to input it to the cursor location.
- 11. Mouse/Pen Mode Switch: Switch handwriting pen as Pen & Mouse mode [67], Pen mode only 7, or Mouse mode only 6.
- Note: Mac OS X 10.4 only supports Pen mode only and Mouse mode only Mac OS X 10.5 supports all the modes.
- 12. Settings : Provide default writing mode, output mode, handwriting color, handwriting line size, writing speed and recognition language settings.

- 13. Editing Tools: Provide delete  $\times$ , backspace  $\leftarrow$ , insert a space  $\wedge$  and enter  $\leftarrow$  for editing the texts in the editing application.
- 14. About : Display the application name, version and copyrights.

# 3.4 Signature

Move your cursor to the location that you want to add a signature or drawing. Click [Signature] button and you will see the functions below. You can sign your signature or draw a picture into the cursor location.

- 1. Blue : Set ink color.
- 2. 10 : Set ink width.
- 3. \(\bigcup\): Delete all of the signature and drawing.
- 4. Restore one stroke of signature.
- 5. \(\sigma\): Undo one stroke of signature.
- 6. Cancel the signature and return to Full Screen Mode.
- 7. Finish the signature and insert the signature next to the cursor.
- Note: The application must support inserting picture feature.
- Note: Signature function does not support Office.

# 3.5 Artificial Intelligence

The [Artificial Intelligence] function can correct the recognized result and learn your writing.

- 1. Writing a character, and the recognized character will be sent to the cursor location of your application.
- 2. If the recognized character is incorrect and the candidate characters do not show the correct character, you can click the [Artificial Intelligence] button to open the [Artificial Intelligence] window.



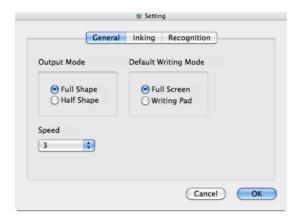
- 3. Input a correct character to the writing style by writing, pinyin, keyboard or symbols. And then click [OK] to close the [Artificial Intelligence] window.
- 4. After you close the [Artificial Intelligence] window, you will see the character is replaced. The system is also learned your writing style so it will recognize correctly next time.

# 3.6 Settings

Click [Setting] button, the Setting window appears.

#### 3.6.1 General Settings

In the [General] tag, you can select output mode, default writing mode and writing speed.



- 1. Output Mode: Select whether recognized alphabets, numerals or symbols should be output as full shape (full-width) symbol or half shape (half-width) symbol.
- Default Writing Mode: You may select Full Screen or Writing Pad mode as the default writing mode. When running Penpower Handwriter, it displays that mode directly.
- 3. Writing Speed: Select the waiting time to differentiate between the next stroke and the next character. The smaller value is the shorter the waiting time of beginning recognition will be. If your writing speed is slow, you may set the [Writing speed] value higher.

#### 3.6.2 Inking Setting

Click [Handwriting] tag, you can set handwriting color, handwriting line size and writing speed here.



1. Ink color: Select the color of inking.

2. Ink width: Select the width of inking.

#### 3.6.3 Recognition Language

Click [Recognition] tag, you can set the recognition mode and recognition result.



#### Recognition Mode

It provides Chinese, English, Number, Symbol and Japanese recognition modes for you to select. The recognition modes can be selected as necessary though selecting fewer recognition modes improves recognition accuracy.

#### Recognition Result

- 1. Traditional Character: Always output Traditional Chinese whether written as Traditional or Simplified Chinese.
- Simplified Character: Always output Simplified Chinese whether written as Traditional or Simplified Chinese.
- Traditional+ Simplified: When you writte as Traditional Chinese the output will be Traditional Chinese; when you writte as Simplified Chinese the output will be Simplified Chinese.
- 4. Unusual Character: When you select the [Traditional+ Simplified], you can select the [Including Unusual Character] option. It allows recognition of very rarely used Simplified Chinese characters. This option should not be used if possible as it may affect the recognition of standard Chinese characters.
- 5. Hong Kong Character: When you select the [Traditional Character], you can select the [Hong Kong Character] option. The recognition engine will include 4818 characters specific to Hong Kong region. If you do not need to input Hong Kong characters do not check this option.
- Note: The [Hong Kong Character] option only available when the second International Language is Traditional Chinese and the [Traditional Character] or [Traditional+ Simplified] is selected.
- 6. Traditional Writing Style: When you select the [Simplified Character] option, you can select the [Traditional Writing Style] option to write in Traditional Chinese writing style.
- Note: The [Traditional Writing Style] option only available when the second International Language is Simplified Chinese and the [Simplified Character] is selected.



# 3.7 Practicing Full Screen Writing

- Open an editing application for inputting characters, such as iWork, Mail, or Microsoft Word... etc.
- 2. Run Penpower Handwriter Full Screen.
- 3. Keep your eyes on the screen, so you can see what you write, write on the tablet one character, such as  $\star$ .
- 4. Write other two characters continually, such as 中 and 小, make sure that there are enough space between adjacent characters.



- 5. Adjust the size of your handwriting to achieve a greater accuracy of recognition.
- 6. Practice more so you know how many characters you can write on the tablet to achieve faster text inputting.
- Select a character from Candidates Area when you need to correct the recognition result.
- 8. The recognized results will be sent from the Editing Area to the editing application when the Editing Area is full. You can also click to send the recognized results.

# Tips Tips

Penpower provides four standard editing symbols: delete, backspace, enter and space bar. These are as follows:

- 1. Delete Delete the character after the cursor.
- 2. Backspace : Delete the character before the cursor.
- 3. Enter : Change line in the cursor point. Or
- Space : Insert a blank in the cursor.



# Penpower Handwriter Writing Pad

In this chapter, you will be able to learn:

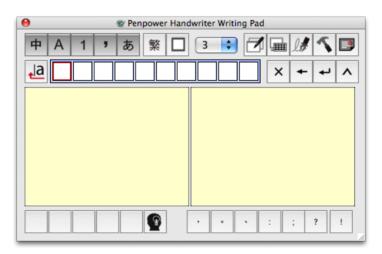
- **\rightarrow** Launching Penpower Handwriter Writing Pad
- Renpower Handwriter Writing Pad Introduction
- Renpower Handwriter Writing Pad Buttons
- Settings

# **Chapter 4 Penpower Handwriter Writing Pad**

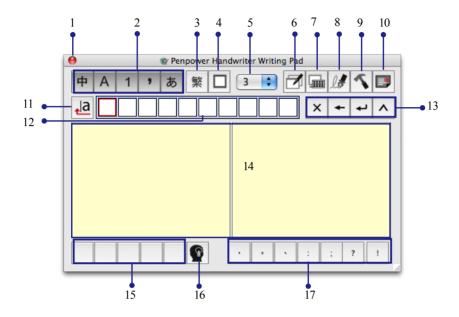
The Penpower Handwriter Writing Pad is a handwriting input tool based on writing cells. With a comprehensive set of editing function buttons integrated into the interface, users can edit their texts with ease. Users can also customize and quickly insert symbols, common words and their signatures.

# 4.1 Launching Penpower Handwriter Writing Pad

Run [Penpower Handwriter] to launch the [Penpower Handwriter Writing Pad mode] window. If it launchs the [Penpower Handwriter Full Screen mode], you may click [Full Screen] button to switch to [Penpower Handwriter Writing Pad mode].



# 4.2 Penpower Handwriter Writing Pad Introduction



- 1. Close
- 2. Recognition Mode Settting
- 3. Traditional/Simplified Chinese setting
- 4. Full/Half Shape (Output Mode Setting)
- 5. Writing Speed
- 6. Full Screen
- 7. Input Tool
- 8. Signature
- 9. Settings

- 10. About
- 11. Send/Undo
- 12. Editing Area
- 13. Editing Tools
- 14. Writing Pads
- 15. Candidates
- 16. Artificial Intelligence
- 17. Frequently Used Symbols

# 4.3 Penpower Handwriter Writing Pad Buttons

- 1. Close: Exit Penpower Handwriting system.
- Recognition Mode: Penpower Handwriter Writing Pad provides five recognition kernel buttons for you to choose. Click the buttons to select the recognition kernels

Chinese +: Recognizing Chinese characters.

English A: Recognizing English letters.

Numerals 1: Recognizing numerals.

Symbol : Recognizing symbols.

Japanese **5**: Recognizing Japanese characters.

3. Traditional/Simplified Chinese setting: Set the output of Chinese characters.

Traditional Chinese : Always output Traditional Chinese whether written as Traditional or Simplified.

Traditional+ Simplified When written as Traditional Chinese the output will be Traditional Chinese; when written as Simplified Chinese the output will be Simplified Chinese.

- 4. Full /Half Shape : Set recognition result of English alphabets, numerals and symbols by Full Shape (two bytes) or Half Shape (one byte).
- 5. Writing Speed: Provide nine levels of recignition timing to adapt your writing speed. The smaller the number, the faster the recognition.
- 6. Full Screen : Switch to Penpower Handwriter Full Screen mode.
- 7. Input Tool : A supplementary tool with pinyin, keyboard and symbols.
- 8. Signature : Let you sign your signature or draw a picture in your document. Please refer to 4.4 Signature for more details.

- 9. Settings : Provide default writing mode, output mode, handwriting color, handwriting line size, writing speed, recognition language and writing pad layout settings.
- 10. About :Display the application name, version and copyrights.
- 12. Editing Area: All text inputs will be temporarily stored here. The editing tools can be used to edit the texts here before they are sent. When the Editing Area is full, the first character will be sent to the editing application.
- 13. Editing Tools: Provide delete  $\times$ , backspace  $\leftarrow$ , enter  $\leftarrow$  and insert a space  $\frown$  for editing the texts in the Editing Area.
- 14. Writing Pads: The writing areas, each writing box is for one character.
- 15. Candidates: Display recognition candidates. If the recognition was faulty the candidate characters function can be used to fix characters that are wrong.
- 16. Artificial Intelligence : Learn from the way you write the character so to recognize the character correctly next time. If the candidate character field does not show the correct character for use, click on the [Artificial Intelligence] to correct and learn your writing. Please refer to 4.5 Artificial Intelligence for more details.
- 17. Frequently Used Symbols: Provide frequently used symbols such as ; ? ! . Click one symbol to input it to the cursor location.

# 4.4 Signature

Move your cursor to the location that you want to add a signature or drawing. Click [Signature] button and you will see the functions below. You can sign your signature or draw a picture into the cursor location.

- 1. Blue : Set ink color.
- 2. 10 Set ink width.
- 3. \(\subseteq\): Delete all of the signature and drawing.
- 4. Restore one stroke of signature.
- 5. \(\sigma\): Undo one stroke of signature.
- 6. Cancel the signature and return to Full Screen Mode.
- 7. Finish the signature and insert the signature next to the cursor.
- Note: The application must support inserting picture feature.
- Note: Signature function does not support Office.

# 4.5 Artificial Intelligence

The [Artificial Intelligence] function can correct the recognized result and learn your writing.

- 1. Writing a character, and the recognized character will be sent to the cursor location of your application.
- 2. If the recognized character is incorrect and the candidate characters do not show the correct character, you can click the [Artificial Intelligence] button to open the [Artificial Intelligence] window.



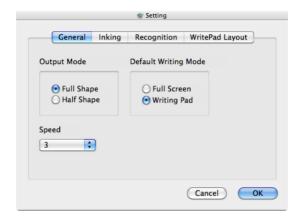
- 3. Input a correct character to the writing style by writing, pinyin, keyboard or symbols. And then click [OK] to close the [Artificial Intelligence] window.
- 4. After you close the [Artificial Intelligence] window, you will see the character is replaced. The system is also learned your writing style so it will recognize correctly next time.

# 4.6 Settings

Click [Setting] button, the Setting window appears.

#### 4.6.1 General Settings

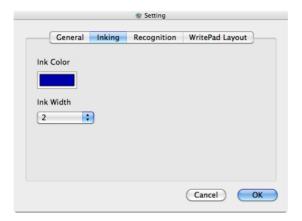
In the [General] tag, you can select output mode, default writing mode and writing speed.



- 1. Output Mode: Select whether recognized alphabets, numerals or symbols should be output as full shape (full-width) symbol or half shape (half-width) symbol.
- Default Writing Mode: You may select Full Screen or Writing Pad mode as the default writing mode. When running Penpower Handwriter, it displays that mode directly.
- 3. Writing Speed: Select the waiting time to differentiate between the next stroke and the next character. The smaller value is the shorter the waiting time of beginning recognition will be. If your writing speed is slow, you may set the [Writing speed] value higher.

#### 4.6.2 Inking Setting

Click [Handwriting] tag, you can set handwriting color, handwriting line size and writing speed here.

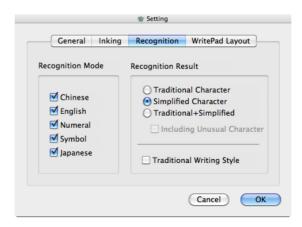


1. Ink color: Select the color of inking.

2. Ink width: Select the width of inking.

# 4.6.3 Recognition Language

Click [Recognition] tag, you can set the recognition mode and recognition result.



#### Recognition Mode

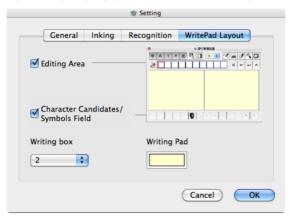
It provides Chinese, English, Number, Symbol and Japanese recognition modes for you to select. The recognition modes can be selected as necessary though selecting fewer recognition modes improves recognition accuracy.

#### Recognition Result

- 1. Traditional Character: Always output Traditional Chinese whether written as Traditional or Simplified Chinese.
- Simplified Character: Always output Simplified Chinese whether written as Traditional or Simplified Chinese.
- Traditional+ Simplified: When you writte as Traditional Chinese the output will be Traditional Chinese; when you writte as Simplified Chinese the output will be Simplified Chinese.
- 4. Unusual Character: When you select the [Traditional+ Simplified], you can select the [Including Unusual Character] option. It allows recognition of very rarely used Simplified Chinese characters. This option should not be used if possible as it may affect the recognition of standard Chinese characters.
- 5. Hong Kong Character: When you select the [Traditional Character], you can select the [Hong Kong Character] option. The recognition engine will include 4818 characters specific to Hong Kong region. If you do not need to input Hong Kong characters do not check this option.
- Note: The [Hong Kong Character] option only available when the second International Language is Traditional Chinese and the [Traditional Character] or [Traditional+ Simplified] is selected.
- 6. Traditional Writing Style: When you select the [Simplified Character] option, you can select the [Traditional Writing Style] option to write in Traditional Chinese writing style.
- Note: The [Traditional Writing Style] option only available when the second International Language is Simplified Chinese and the [Simplified Character] is selected.

#### 4.6.4 Layout Setting

Click [Writing Pad Layout] tag, you can customize the layout.



- Display check boxes: Check the check boxes to display the Editing Area, Candidates, Frequently userd symbol field. Uncheck the check boxes to hide them.
- 2. Writing box: Configure the interface to use 1~5 cells for handwriting recognition.

  1 cell allows only 1 character to be written each time. 2~5 cells allow multiple characters to be written in each cell in each time.
- 3. Writing Pad Color: Allows the choosing of a color theme. The four colors available are Green, Pink, Silver and Blue.



Penpower provides four standard editing symbols: delete, backspace, enter and space bar. These are as follows:

- 1. Delete Delete the character after the cursor.
- 2. Backspace : Delete the character before the cursor.
- 3. Enter : Change line in the cursor point. Or
- 4. Space : Insert a blank in the cursor.



# 5 Penpower Input Tool

In this chapter, you will be able to learn:

- Run Penpower Input Tool
- **Pinyin Input Tool**
- **Keyboard Input Tool**
- Symbol Input Tool

# **Chapter 5 Penpower Input Tool**

Penpower input tool is a very powerful supplementary tool with pinyin, keyboard and symbol. It makes life much easier to enter those extremely difficult or rare characters.

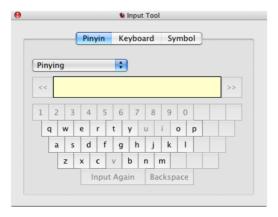
# 5.1 Run Penpower Input Tool

Click [Input Tool] button from the tool bar of the Penpower Writing Pad or Penpower Full Screen to open the Penpower Input Tool window.

# **5.2 Pinyin Input Tool**

Pinyin Input Tool includes [Zhuying pinyin] and [Cantonese pinyin] input tool. You can input Chinese characters by entering zhuying or Cantonese pinyin.

Select Zhuying or Cantonese pinyin directly from the buttons, the candidates will be shown on the yellow background field. Click [<<] or [>>] to see more candidates. Select a candidate to input the Chinese character into the cursor location of the software which you are editing.



Note: If the International language settings of your OS set the Traditional Chinese as the second language, the Pinyin method will be [Zhuying pinyin] and [Cantonese pinyin]. If you set the Simplified Chinese as the second language the Pinyin method will be [Pinyin].

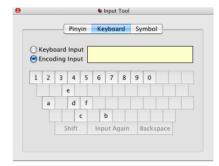
# 5.3 Keyborad Input Tool

The Keyborad input tool is a virtual keyboard, includes [Keyboard Input] and [Encoding Input].

Keyboard Input: Each button corresponds to the real keyboad button.

Encoding Input: Enter four encoding buttons, will get a two-byte character.



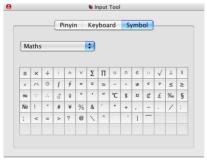


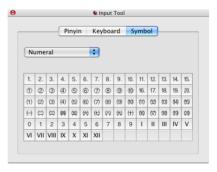
**Keyboard Input** 

**Encoding Input** 

# 5.4 Symbol Input Tool

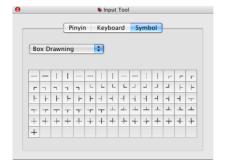
Symbol Input Tool provides eight kinds of Symbols for easily inputting the Symbols into the cursor location of the application which you are editing.





Maths

Numeral



unput Tool Pinyin Keyboard Symbol Phonetic α ā á ă à ē é ĕ è ê ī í ĭ ì ō ū ú ŭ ù ū ú ŭ ù u 🗹 ń ň 口 匚 为 太 ろ 为 巛 万 厂 丩 く 5 女 **业** 彳 戸 0 P 5 4 - X U Y Z Z # 万 1 幺 又 马 5 九 人 儿

**Box Drawning** 



Phonetic

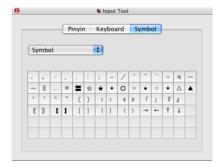




**Basic Greek** 

Katakana





Hiragana Symbol

# Penpower Handwriter for Mac User Manual

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