

mini ScanEYE

User Manual

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Penpower Technology Ltd.

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The software application may have a newer version at the time when this product was being manufactured and/or packaged. If the content on your application screen differs from your User Manual, please follow the latest application screen upon installation.

Chapter 1 Product Features

- **Minimize your typing efforts**

Scans words, sentences, and excerpts from printed materials and converts them into editable texts with a high accuracy rate for applications such as Words, Excel, Outlook, and text editors.

- **Recognize multiple languages**

Recognizes English, Traditional Chinese, Simplified Chinese, Japanese, Korean, Spanish, French, German and Italian languages.

- **Ergonomic design**

The light and ergonomic design fits all right and left-handed users and makes you hold with comfort even long-time scan. Scan away effortlessly with the transparent scan tip. Where you see, where you scan.

- **Seamless scanning**

Users do not have to pause and wait for the recognition to be done to continue with another scan. They can just keep scanning and focus their attention to scanning properly their interested excerpts

- **A great language learning tool**

No worry about typing and learning unfamiliar languages, by scanning words or sentences directly to the language translation websites and instantly see their translations by one click. You will find mini ScanEYE is a wonderful companion for learning languages.

- **Penpower Voice Reader**

Penpower Voice Reader utilizes a state of the art text-to-speech technology, it will read in fluent Mandarin or Cantonese of any articles. You can use it as a tool for fast proofreading or in teaching the correct Mandarin/Cantonese pronunciation.



Chapter 2 Installation

2.1 System Requirements

- Pentium II 300 CPU or above
- 256MB of RAM
- 250MB of available hard disk space
- Windows 2000/XP/Vista OS
- USB port

2.2 Hardware Specification

- Dimensions: 130mm x 37mm x 18.5mm
- Weight: 30g (excludes USB cable)
- Interface: USB 2.0
- Scanning speed: 15 cm/sec
- Character size: 5~22 pt



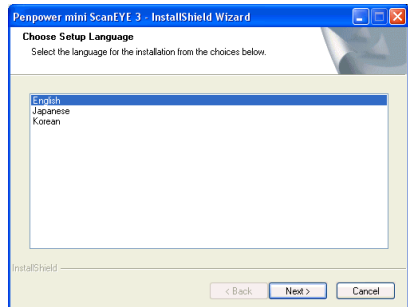
Function button:

When scanning words, the function button can be used as Enter function. It also works as checking next word in the Online Translation.

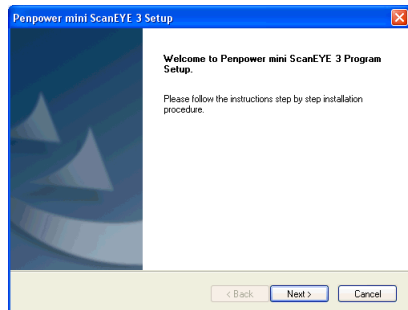


2.3 Software Installation

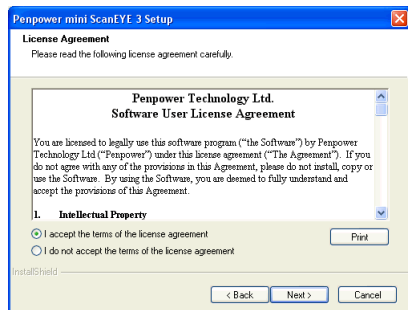
1. Insert the mini ScanEYE installation CD into your CD-Rom drive. System will run installation program automatically. Please select an installation language and click **Next** to install.



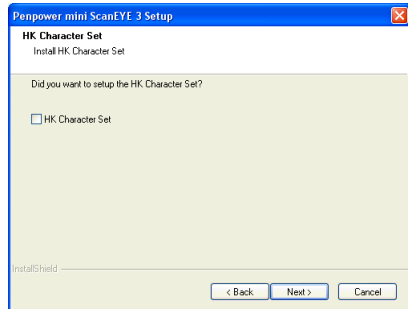
2. Click on **Next** to continue.



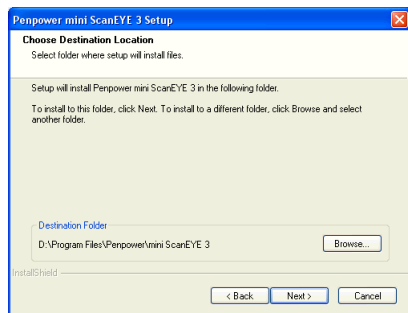
3. Please read the License Agreement, select **I accept the terms of the license agreement** and click **Next** to continue.



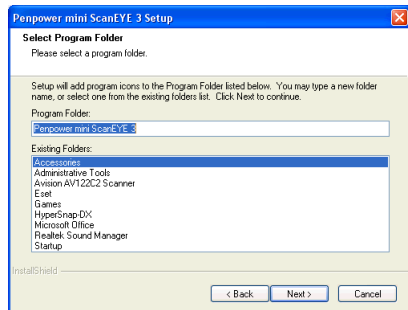
4. Check **HK Character Set** if you want to install the Hong Kong characters, then click **Next** to continue.



5. Choose the destination folder to install the software. This is usually left as default. Click **Next** to continue.

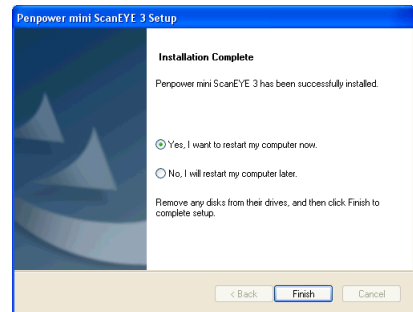
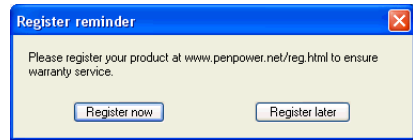


6. Choose the folder that you want to install mini ScanEYE to in Program Files. This is usually left as default. Click **Next** to continue.





- After the software is installed, a register reminder window will pop up to remind you registering your product at www.penpower.net/reg.html for ensuring the warranty service. Click **Register now** to register. If you click **Register later**, you may go to **About/Register** when you need.
- Click **Finish** to restart your computer.



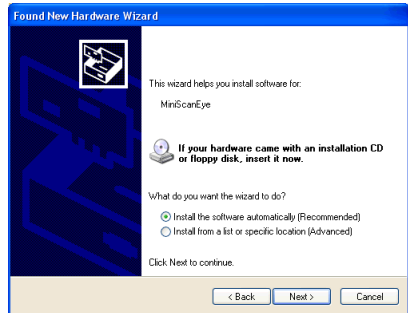
2.4 Hardware Installation

- Plug in the mini ScanEYE into your computer's USB port and a window will appear, welcoming you to the hardware installation wizard. Select [**No, not this time**] and click **Next** to continue.

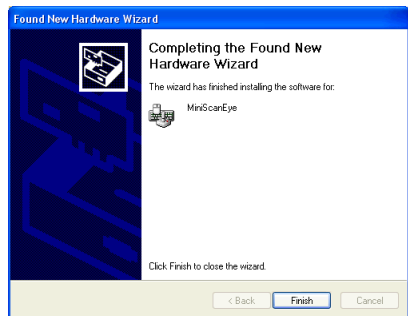
Note: Some computers may shut down accidentally after connection. This is due to lack of power to support several USB devices. To avoid this problem, connect your mini ScanEYE and other USB devices to an extra-powered USB hub.



2. Select **[Install the software automatically]** and click **Next** to continue.



3. Click on **Finish** to end the installation.



Note: When connecting mini ScanEYE to another USB port, you may follow the Hardware installation steps to install the Found New Hardware Wizard.

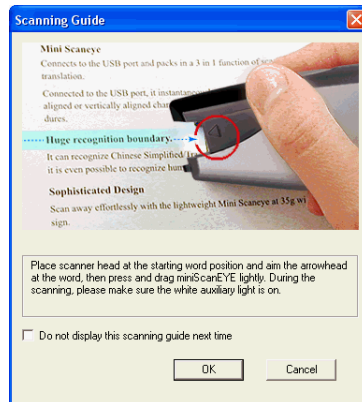


Chapter 3 Character Input

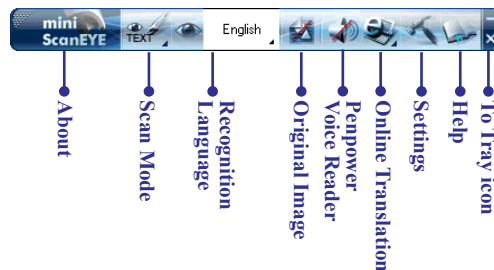
3.1 Open Penpower mini ScanEYE

Go to [Start/All Programs/Penpower miniScanEYE 3/Penpower miniScanEYE 3] or double click the button  on the desktop to start miniScanEYE tool bar.

Note: When running the miniScanEYE first time, the Scanning Guide's window will appear. Please use the miniScanEYE as the Guide show you.



3.1.1 Toolbar



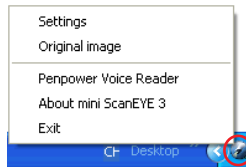
1. **Scan Mode:** Provide [Scan & Recognize] and [Send Image], click  to select scan mode. If you select **Scan & Recognize** mode, it will scan and recognize text to your computer. If you select **Send Image** mode, it will send the scanned image to your computer.



Note: When you use Send Image mode, you need to run the software which supports image format such as MS Word.



2. **Recognition Language:** mini ScanEYE can recognize English, Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian and Spanish languages. Click  to select the language you desire to recognize.
3. **Original Image:** display the scanned image. See 3.4 Displaying Original Image.
4. **Penpower Voice Reader:** read aloud Chinese articles in Mandarin or Cantonese. See Chapter 4 Penpower Voice Reader.
5. **Online Translation:** Open the dictionary website for inputting and translating words.
6. **Settings:** provide Recognition Setting, General, Property, Translation Website Set up and Interface Language settings. See 3.3 Settings and Scan Tips.
7. Click  to minimize the toolbar to Taskbar.
8. Click  to minimize the toolbar to tray icon. Double-click the tray icon will open the toolbar. Right click on  to open the function menu.



3.2 Scan to Computer

3.2.1 Scan & Recognize

1. Select **[Scan & Recognize]** from **[Scan Mode]** .
2. Select the language you desire to recognize from **[Recognition Language]**.
3. Open any word processor (i.e Microsoft Word or Wordpad) and place your cursor in there as usual before you start typing.
4. Place a document on the table and place scanner head at the starting word position and aim the arrowhead at the word, then press and drag mini ScanEYE lightly. During the scanning, please make sure the white auxiliary light is on.
5. The characters that the pen has passed through will be recognized to your desired word processor as following:

Business Card Recognition System

3.2.2 Send Image

1. Select **[Send Image]** from **[Scan Mode]** .
2. Open a word processor which can contain images (i.e Microsoft Word) and place your cursor in there as usual before you start typing.
3. Place a document on the table and place scanner head at the starting word or picture position and aim the arrowhead at the word, the press and drag mini ScanEYE lightly. During the scanning, please make sure the white auxiliary light is on.
4. The words or pictures that the pen has passed through will be scanned to your desired word processor as following:





3.3 Settings and Scan Tips

3.3.1 Language Settings

Besides selecting recognition language from the tool bar, you can also click [Settings]  from the tool bar to select recognition language and recognition results. Different settings will get different recognition results.

In [Recognition Setting], you will find **Recognition Language** setting.

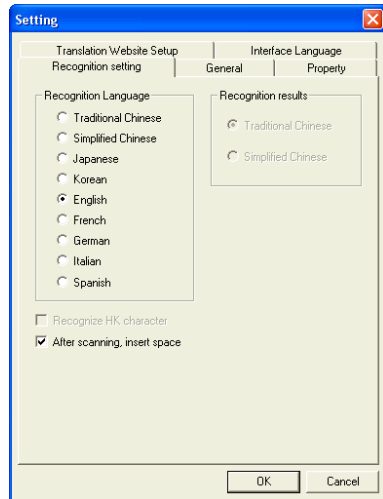
* Recognition Language

Accord with your document to choose a recognition language.

* Recognition Results

If you select Traditional Chinese or Simplified Chinese, you can find the setting of Recognition results on the right side, select the one you wish to input to your computer.

Select the type of Chinese for the inputting Chinese characters.



* Recognize HK Character

If you select Traditional Chinese recognition language, you can check **Check this option to recognize Hongkong characters**. You can connect to <http://www.microsoft.com/hk/hkses/default.aspx> to check the Hong Kong characters list.

* After Scanning Insert Space

If you select English recognition language, you can check **After Scanning Insert Space**. When scanning English words, the system will automatically add a space in the end.

* Balloon Interface

If you select Traditional Chinese or Simplified Chinese recognition language, you can check **Open balloon interface** for the following functions: correct the certain character, pre-emptive linking, character combination, character split, phrase correction, displaying original image, punctuation, online translation.

To show the balloon interface, you can leave your cursor on the scanned Chinese character for 1-2 seconds.



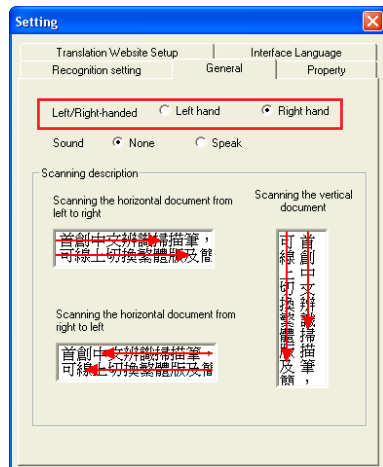
Tip: mini ScanEYE can actually convert Traditional text on your document to a Simplified Chinese oriented result vice versa, in which you can select a different combination.

3.3.2 Scan Direction

* *Scan Direction Settings*

mini ScanEYE must be used to scan the characters in a consistent direction, any changes to the direction will cause inaccurate recognition results.

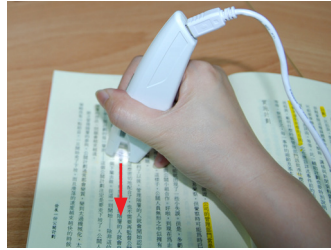
Go to the **General** tab and you will be able to change the configuration settings according to how you hold the pen and the direction which you want to scan.





*** Scanning Vertically Aligned Text**

When scanning vertically aligned text, please scan the text in top to bottom fashion and have the characters centered at the middle of your pen as indicated by the centre marker line.



*** Scanning Horizontal Text**

When scanning horizontal text, you can choose the left-hand or right-hand option and please the pen on the text, moving from left to right or right to left depending on the option you have set previously.



Right hand: Scan from left to right or from right to left



Left hand: Scan from right to left or from left to right

Note: mini ScanEYE is able to scan and recognize one row of characters at a time, please place the pen in such a way that the centre marker is at the centre of the character.

3.3.3 Speech

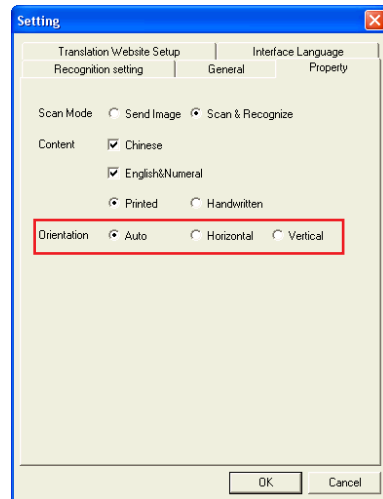
mini ScanEYE can speak English, Mandarin and Cantonese. When select Traditional Chinese or Simplified Chinese as the Recognition Language in the Recognition setting, it will be able to speak **Mandarin** and **Cantonese**. When select **English**, you can choose speak or none speak.

3.3.4 Scanning Horizontal or Vertically Aligned Text

When you install the Penpower mini ScanEYE, the default setting for the text direction is detect automatically. However, you can manually set the desired text direction of your choice and start scanning too. You can still leave it at default being detected automatically but however, as mini ScanEYE will need to detect the text direction, scanning speed will be slower too.

If you know that all your text is in a certain direction, you can set the mini ScanEYE to scan in only one direction based on the setting just discussed: **Horizontal** or **Vertical**.

Go to the **Property** tab and choose your desired text direction under **Orientation**.

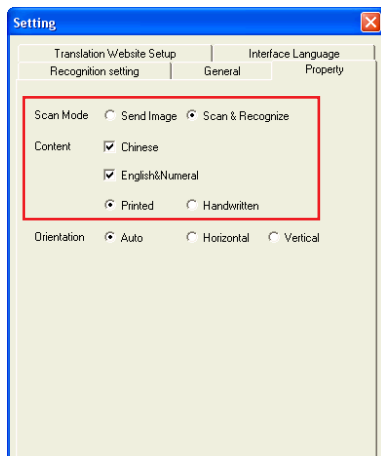




3.3.5 Property Settings

In **Property Settings**, provides selection of **Scan Mode** and **Content**. Depend on your desire to select **Scan Mode**. If you select **Send Text**, it will scan and recognize text to your computer. If you select **Send Image**, it will send the scanned image to your computer.

You can depend on the document you want to scan to select **Content**. It provides Chinese, Japanese, Korean, English & Numeral, **Printed** or **Handwritten**. Select identical language for higher accuracy.



Tip: When scanning handwritten text, the scanning results may vary according to handwriting, so the optimal recognition can be achieved when the text is properly aligned and the size must be within the scanning range of the pen.

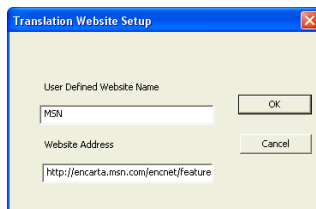
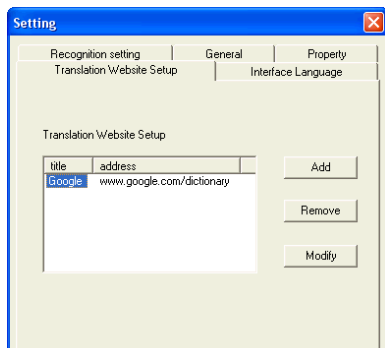
Note: The Content setting accords with the Recognition Language setting to display the supported settings.

3.3.6 Translation Website Set Up

Translation Website Set Up can let you add, remove or modify the Translation Websites.

Click **Add** button to open the Translation Website Set Up window. You can input a dictionary Website name and its url address, then click **OK**.

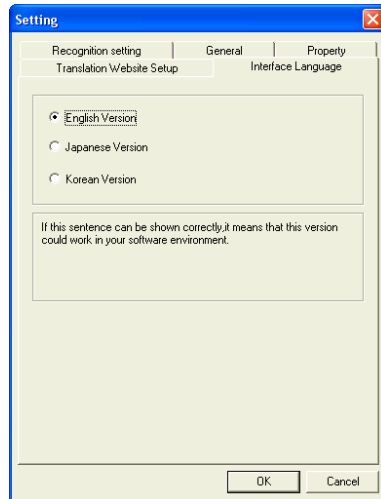
You will find the new Translation Website when clicking Online Translation button from the toolbar. Click it to open the Website.



3.3.7 Interface Language Settings

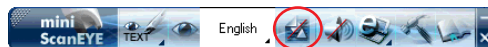
Interface Language Settings can let you choose English, Japanese or Korean for user interface language. After choosing the language, you may check the description.

If the description does not display properly, which means your Windows OS does not support the language display. Please choose another language.



3.4 Displaying Original Image

Click [Original Image] button on the tool bar to open the **Original Image** windows. Then you can check your original scanned image to compare with the original text when scanning.



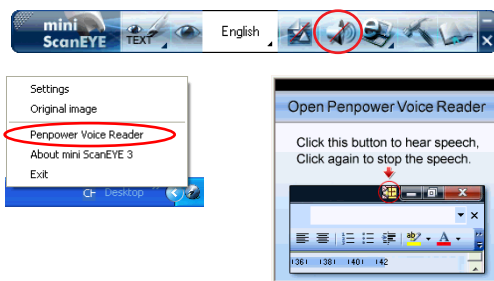


3.5 Penpower Voice Reader

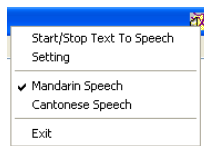
Penpower Voice Reader utilizes a state of the art text-to-speech technology, it reads in fluent Mandarin or Cantonese of any articles. You can use it as a tool for fast proofreading or in teaching the correct Mandarin/Cantonese pronunciation.

3.5.1 Open Penpower Voice Reader

1. Click **[Voice Reader]** button from the toolbar or **[Penpower Voice Reader]** from the tray icon menu to run Penpower Voice Reader.



2. When it starts up, there will be an icon  on the top right corner of your application, such as Word. You can click the icon to select **Mandarin Speech** or **Cantonese Speech**.
3. Choose a paragraph, click  and select **[Start/Stop Text to Speech]**, the selected paragraph will be read out. Check your speaker if there's no sound.
4. During reading, click , and selecting **[Start/Stop Text to Speech]**, it will stop reading.



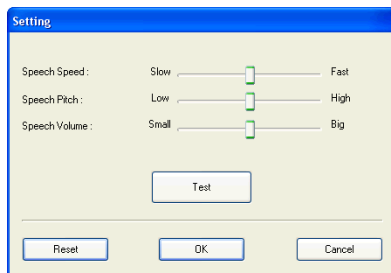
3.5.2 Voice Reader Setting

Click , select **[Setting]**, the **[Setting]** window will appear.

Speech Speed: Adjust speak speed.

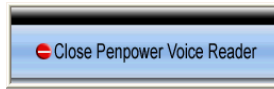
Speech Tone: Adjust tone level.

Speech Volume: Adjust speak volume.



3.5.3 Turn off Penpower Voice Reader

1. Click , select [Exit].
2. When you see the following image, the Penpower VoiceReader is turned off and the icon on the upper right corner disappears.



3.6 Online Translation

1. Click [Online Translation]  and select a translation Website from the toolbar. It will open the Internet Explorer, browse the translation Website and open the mini ScanEYE Translator window.



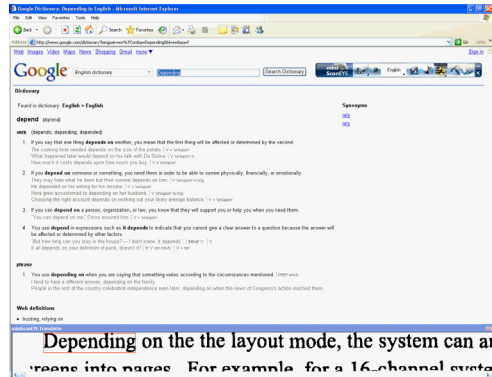
Tip: You can set the Website links from the Translation Settings. Please refer to 3.3.6 Translation Website Set Up.

2. Place a document on the table, place scan head at the starting word position and aim the Scan Tip at the word, the press and drag mini ScanEYE hardware smoothly. During the scanning, please make sure the white auxiliary light is on.

Note: Before scanning , please select the Recognition Language which match the scanning words.

3. The translation result of the first word that the mini ScanEYE hardware has passed through will be displayed in the Website. The scanned image will also be shown in the mini ScanEYE Translator window as well.

Note: If the Website does not support Enter function, please click translate button manually.



- If you have scanned more than one word, you can press the hardware button to see the translation of the next word.

Note: If the Website does not support Enter function, it also cannot support hardware button.

- Click [Translation]  or close the mini ScanEYE Translator window to go back to the Scan Mode.

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