WorldPenScan Mac

User Manual

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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.

Chapter 1 Product Introduction

1.1 Introduction

WorldPenScan Pro, the handheld scan device with the highest accuracy rate on the market. The WorldPenScan Pro is a perfect scan tool for students, journalists, business people and anyone who needs to get words, sentences and printed materials for immediate editing with no wait.

1.2 Features

• The Best Scan and Translation Device

Connect to the computer through the USB port and is bundled with 3-in-1 functionality-scanning, recognition and translation.

• Minimize Your Typing Efforts

The WorldPenScan Pro can scan over 800 words per minute into your application software such as Words, Excel, Outlook, and text editors with high accuracy rate.

• Recognize 193 Languages

The WorldPenScan can scan and recognize 193 languages, including English, French, German, Italian, Spanish, Japanese, Korean, Simplified Chinese, Traditional Chinese, and etc. For the detailed recognition language list, please refer to the appendix.

• A good Language translation and Learning Tool

By scanning words or sentences directly to the Babylon application software or other language translation websites, you will find that WorldPenScan Pro is a wonderful friend in translating and learning language aspects.

• Ergonomic Design

The ergonomic and light design could fit all left and right-handed users and make you hold with comfort even long time scan.

• Babylon Dictionary and Translation Software(WorldPenScan Pro Only)

WorldPenScan Pro co-work with Babylon, the leading provider of online translation, and provides

- more than 1400 dictionaries in more than 75 languages
- more than 800 language pairs to choose from
- simple one-click translation in any application

- web page and document translation (Word, PDF, Text)

• Support OCR-A/B banking fonts (WorldPenScan Pro Only)

The business mode supports the recognition of barcodes and fonts such as OCR-A/B, and MICR fonts. With the business mode, you can scan and recognize barcodes and numbers or characters on invoices, checks, bills, coupons, and ect.

Chapter 2 Getting Started

2.1 System Requirements

· Intel based Mac

· Mac OS X 10.5 version or later version

· USB port

2.2 Hardware Specification

· Dimensions: 130mm x 37mm x 18.5mm

· Weight: 30g (excluding USB Adapter)

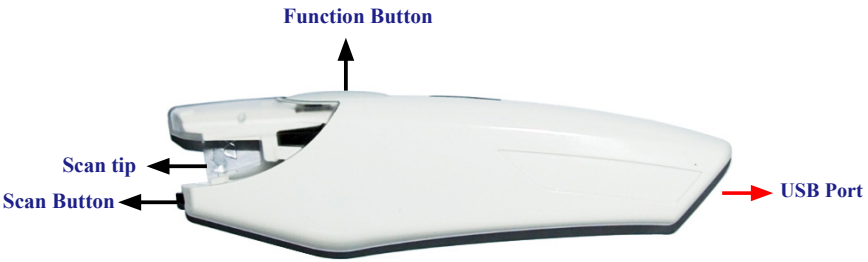
· Interface: USB 2.0

· Scanning speed: 15 cm/sec.

· Character size: 5~22 pt

2.2.1 WorldPenScan

2.2.2 WorldPenScan Pro



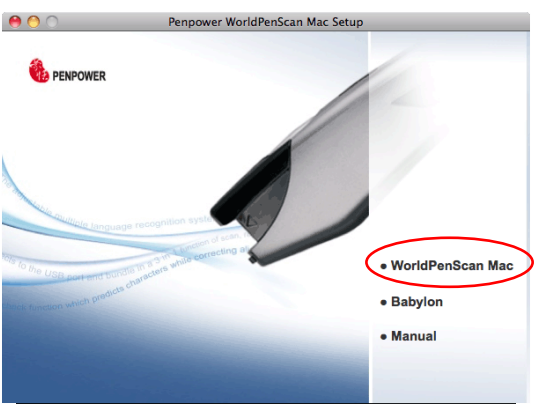
Function button:

While scanning text or images, clicking the function button will function as the **[Enter]** key on the keyboard by default. In the **[Word Scan]** mode, the function key can be used to send the next word.

Tip: You can refer Section 3.6.5 to configure the function button as Enter, Tab, Space, Click, or Double click.

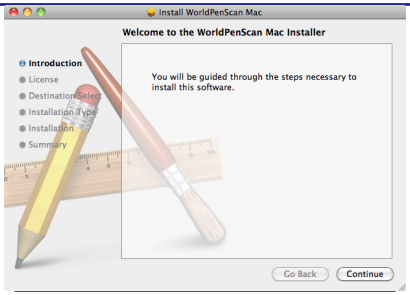
2.3 Software Installation

1. Insert the **WorldPenScan Pro** setup CD into the CD-ROM drive. Run the **Setup** and click **[WorldPenScan Mac]** on the Installation window to install **WorldPenScan Mac**.



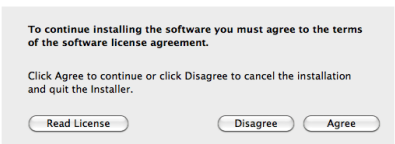
Tip: WorldPenScan Pro provides you with the Babylon online translation service . Please insert the Babylon disk to install the application .

2. Please click **[Continue]** to install.

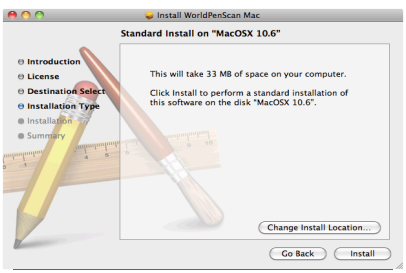


3. Please read the License Agreement, and click **[Continue]**.

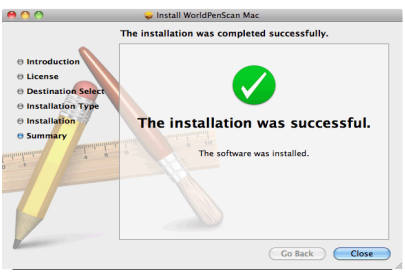
4. Click **[Agree]** to accept the license agreement.



5. Confirm the installation location and click **[Install]** to continue.

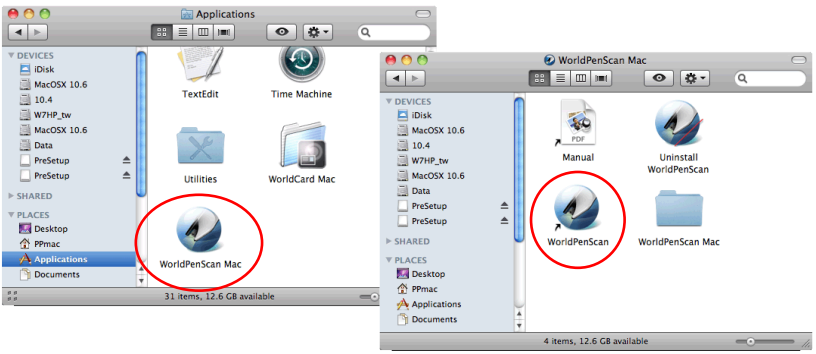


6. Click **[Close]** to finish the installation process.



2.4 Launching WorldPenScan Mac

Run **[Go/Applications/WorldPenScan Mac/WorldPenScan]** to launch **WorldPenScan Mac**.



2.5 Registeration

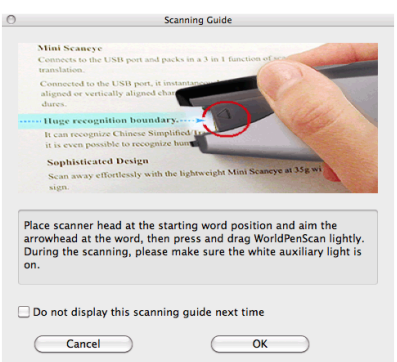
When you first time run the **WorldPenScan**, a registration reminder will appear. Please click on **[Register now]** to register and ensure the warranty service. You can also click **[Register later]** to close the reminder. When you need to register, click the **[Tools]** button and select **[About]** from the toolbar and then click on **[Register]**.

***Tip: If you do not need to be reminded again, you can check* [Don't show this page at startup].**

2.6 Scanning Guide

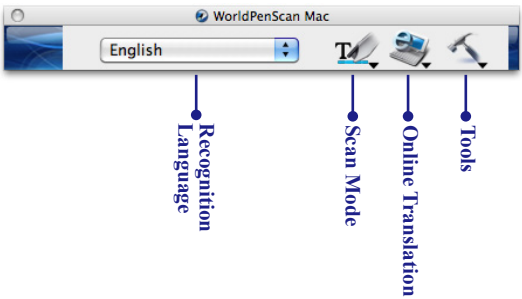
A **Scanning Guide** will appear after the registration reminder. Use the **WorldPenScan** as the guide directs.

***Note: If you would not like to read the message again, you can check* [Do not display this scanning guide next time], *and click* [OK].**



Chapter 3 Scanning and Settings

3.1 WorldPenScan Toolbar



1. **Recognition Language: WorldPenScan Mac** can recognize English, French, German, Italian, Spanish, Simplified Chinese and Traditional Chinese, Japanese and Korean text. Click up and down button to see the list and select the language you would like to scan.

Note: The **Recognition Language** *must match the language of the content for optimal accuracy.*

2. **Scan Mode:** Provide **[Sentence Scan]** and **[Word Scan]** modes.

   - **Sentence Scan:** [**Sentence Scan]** mode is the default scan mode for scanning an article or a sentence directly. The scanned article or sentence will be recognized into text and sent to your computer. Please refer to 3.2.1 Sentence Scan for more detailed information.

   - **Word Scan:** When you want to scan a word for checking the meaning or translation in Babylon or other online dictionary, you can click [**Scan Mode]** button to select **[Word Scan]** mode, and scan a word or a sentence, and then select a word to check the meaning or translation. Please refer to 3.2.2 Word Scan for more detailed information.

3. **Online Translation:** Provide a translation function in which you can assign a translation website or Babylon software to translate the scanned words. Please refer to 3.3 Online Translation for more detailed information.

4. **Tools:** Provide Image Scan, Original Image, Settings, Help and About.

- **Image Scan:** Check the **[Image Scan]** mode, the scanned image or word will be sent to your computer in image format. Please refer to 3.2.3 Image Scan for more detailed information.
- **Original Image:** display the scanned image. See 3.4 Displaying Original Image.
- **Settings:** provide General, Translation Online settings. See 3.5 Settings for more detailed information.

3.2 Scan Mode

3.2.1 Sentence Scan

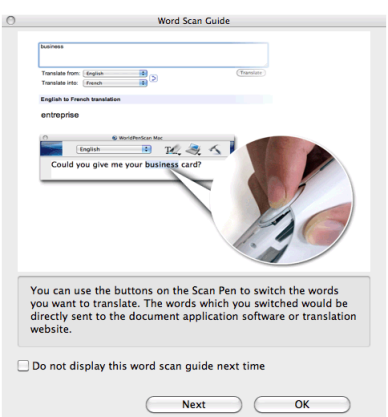
1. Select the **[Sentence Scan]** mode from the **[Scan Mode]**.
2. Select the language of the text that you would like to scan from the **[Recognition Language]**.
3. Open any word processor, for example Text Edit, and then click the location where you would like to input.
4. Place a document on a flat surface and place the scan tip at the front of your desired scan area. Aim the Scan Tip arrow at the center of the desired scan area, and then press and drag the **WorldPenScan** pen in a straight line across the area like a highlighter. During the scanning, please make sure the white auxiliary light is on.
5. Stop applying pressure to the pen to stop scanning. The text that the pen has scanned are displayed in your word processor immediately.

Note: Penpower WorldPenScan is able to scan and recognize one row of characters at a time. Please place the Scan Tip arrow at the center of the line.

3.2.2 Word Scan

1. Click the **[Scan Mode]** button to select the **[Word Scan]** mode, an extension window will appear under the toolbar.

Tip: When first time switching to the Word Scan mode, the Word Scan Guide window will appear to guide you how to use the Word Scan mode.



2. Select the language of the text that you would like to scan from the **[Recognition Language]**.
3. Open any word processor, for example Text Edit and click the location where you can input, or click the **[Online Translation]** button to open Babylon or other dictionary.
4. Place a document on a flat surface and place the scan tip in front of the word you desire to check. Aim the arrow at the desired word, then press and drag the **WorldPenScan** pen in a straight line across the word. During the scanning, please make sure the white auxiliary light is on.
5. Stop applying pressure to the pen to stop scanning. The scanned word and meaning or translation will display in the Babylon or other dictionary.
6. If you scan more than one word, you can press the function button on the scan pen to choose next recognizable word or highlight a word from the extension window, the selected word will be sent to the **cursor location**. So you can literally check the meaning or translation of your choice.

3.3.4 Business Mode

The Business Mode allows you to scan barcodes, invoices, checks, bills, postal codes, coupon numbers and racing numbers etc.

Note: Only WorldPenScan Pro provides the Business Mode function.

The fonts that the Business Mode supports are OCR A, OCR B , and MICR fonts as the samples below:

• OCR A:

• OCR B:

• MICR:

The barcodes that the Business Mode supports are Codabar, Code 128, Code 39, Code 93, EAN 8, EAN 13, IATA 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, Patch, PostNet, UCC-128, UPC-A and UPC-E.

In order to have higher recognition accuracy, you may use the **[Business Mode]** to recognize these fonts. Please follow these steps.

1. Click **[Tools]** button and select the **[Business Mode]** option from the drop-down menu.
2. Open your application or any word processor, for example Microsoft Word. Click the location where you would like to input the scanned text or numbers.
3. Place a document on a flat surface and place the scan tip at the front of your desired scan area. Aim the scan tip arrow at the center of the desired scan area, and then press and drag he **WorldPenScan** pen in a straight line across the area like a highlighter. During the scanning, please make sure the white auxiliary light is on.
4. Stop applying pressure to the pen to stop scanning. The scanned text or numbers are displayed in your application or word processor immediately.

3.2.4 Image Scan

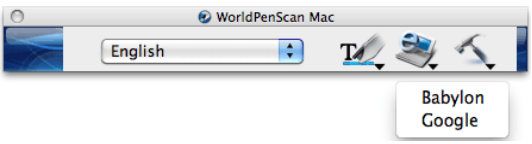
1. Click **[Tools]** button and select the **[Image Scan]** option from the drop-down menu.
2. Open a word processor that is able to input images (i.e. Text Edit) and then click the location where you would like to input display the scanned images.
3. Place a document on the a flat surface and place the scan tip at the starting word or picture and aim the Scan Tip arrow at the center of the scan area, then press and drag the scan pen in a straight line. The white auxiliary light from the Scan Tip indicates the pen is scanning.
4. Stop applying pressure to the pen to stop scanning. The scanned picture will display on your word processor in an image format.

3.3 Online Translation

WorldPenScan provides Babylon dictionary software and online Translation functions for you to translate words or sentences.

1. Select the **[Recognition Language]** which matches the scanning words.
2. Click the **[Online Translation]** button from the toolbar and then select the **[Babylon]** or any online translation Website.

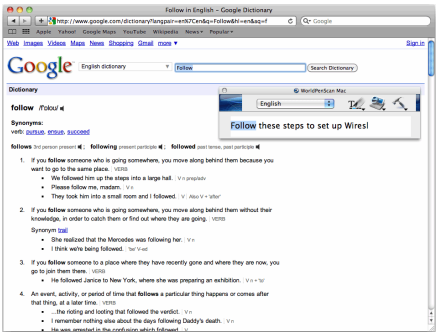
Note: The* [Babylon] *option appears only when the Babylon software is installed.



Note: Please connect to internet before using the Online Translation function.

Tip: You can organize Website Links from the Translation Settings function. Please refer to 3.5.2 Online Translation Settings for more detailed information.

3. **Babylon** software or online translation Website will be opened, and **WorldPenScan** will be switched to the **[Word Scan]** mode automatically.
4. Place a document on the flat surface and place the scan tip at the starting word and aim the Scan Tip arrow at the center of the scan area, the press and drag the scan pen in a straight line. The white auxiliary light from the scan tip indicates the scan pen is scanning.
5. The first recognizable word will be translated on the **Babylon** software or the translation Website.



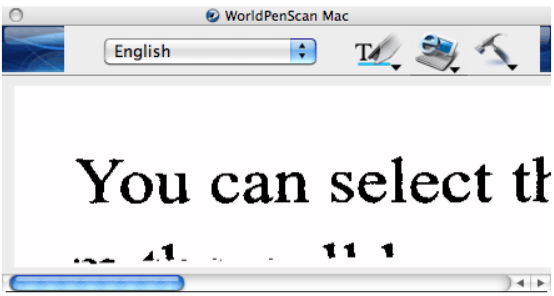
Note: If the website does not support the enter function, please manually click the translate button on the website with your mouse.

Tip: Please refer to the Babylon help for operating the Babylon software.

6. If you scan more than one word, you can press the **[Function button]** on the scan pen to see the translation of the next recognizable word. You can also use your mouse to highlight a word from the extension window, the selected word will be sent to the **cursor location** for translating.

3.4 Original Image

Click **[Tools]** button and select the **[Original Image]** option from the drop-down menu to open the **[Original Image]** window. After scanning, the **[Original Image]** window displays the scanned image. You can check the scanned image to compare with the original text. This can help you improving your scan technique for more accurate recognition results.



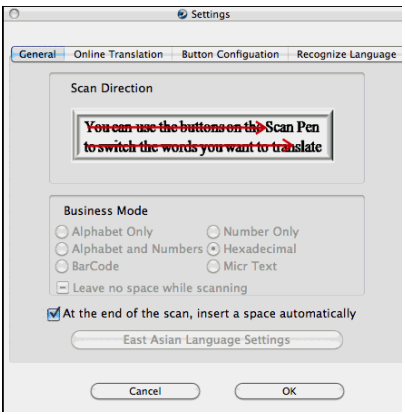
Tip: You can click on the original image to save the image file.

3.5 Settings

3.5.1 General Settings

Click **[Settings]** from the toolbar and select **[General]** page, you can select At the end of the scan, insert a space and East Asian language settings.

Business Mode



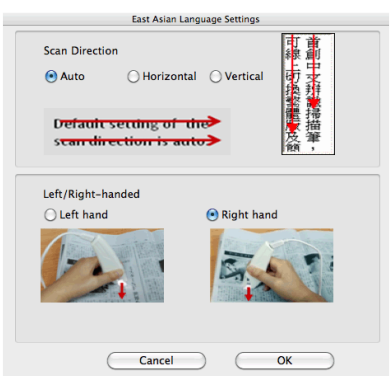
If your device is WorldPenScan Pro, you can set the recognition result of the Business Mode as Alphabet Only, Alphabe and Numbers, Bar Code, Number Only, Hexadecimal, Micr Text. Moreover, you can check **Leave no space while scanning** if you don't want spaces inserted while scanning.

At the end of the scan, insert a space

When choosing English, French, German, Italian or Spanish as the recognition language, you can check the **[At the end of the scan, insert a space automatically]** check box. While scanning English, French, German, Italian or Spanish, the system will automatically add a space at the end of the scan.

East Asian Language Settings

When the current recognition language is an East Asian language, such as Traditional Chinese, Simplified Chinese, Japanese or Korean, you can click **[East Asian Language Settings]** button to select scan direction, Chinese speech and left/right-handed.



Scan Direction

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

Scanning Horizontal Text

When scanning horizontal text or image, you can choose the **[Horizontal]** option. Place the pen on the text or image, move the pen left-to-right or right-to-left when scanning.

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

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

Note: Penpower WorldPenScan is able to scan and recognize one row of characters at a time. Please place the pen in such a manner so that the Scan Tip arrow is at the center of the line of text.

Scanning Vertically Aligned Text

When scanning vertically aligned text, you can choose **[Vertically]** and then select **[Left-hand]** or **[Right-hand]**. You may scan the text in a straight top-to-bottom fashion. Align the Scan Tip arrow on your pen to the center of the characters.

Left Hand

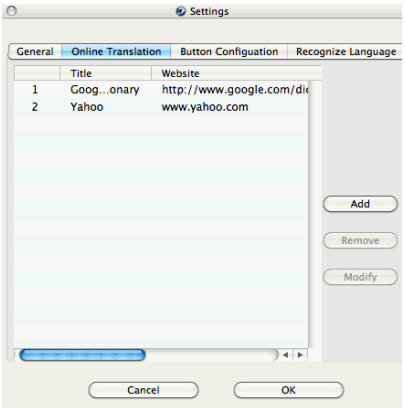
Right Hand

Note: The Left/Right-handed option only available when you select the vertical direction.

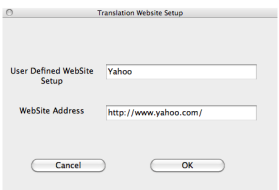
3.5.2 Online Translation Settings

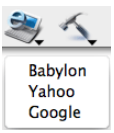
[Translation Website Setup] lets you add, remove, and modify online translation websites. The websites will be shown in the **[Online Translation]** button on the toolbar.

Note: **Babylon** *only appears in the World-PenScan Pro version and when the Babylon software is installed.*



Click the **[Add]** button to open the Translation Website Setup window. Input the translation website name and its URL address, then click **[OK]**. You can also modify or remove a website by clicking the **[Modify]** button or the **[Remove]** button.

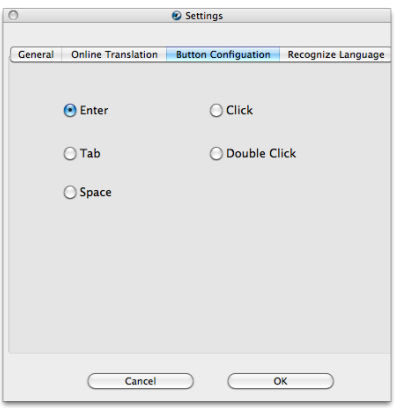




You will find the changes when clicking **[Online Translation]** button from the toolbar.

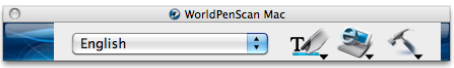
3.5.3 Button Configuration Settings

The default function of Function Button is Enter. You can replace Enter by Tab, Space, Click, or Double Click. Select the Button Configuration tab and then you can select which function you want the Function Button to be.



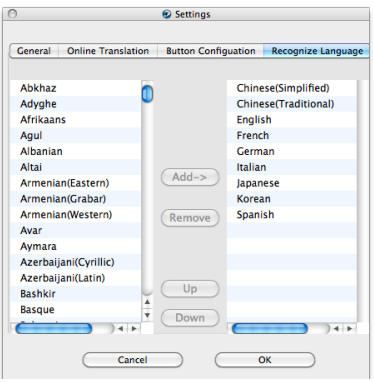
3.5.4 Recognition Language Settings

WorldPenScan provides 193 recognition languages for you to choose. In the toolbar, you can drag down the recognition menu to select the recognition language you want.



You can modify the recognition language menu in the Recognition Language tab of Setting. In the Recognition Language Tab, the left column contains 193 recognition languages for you to choose. The languages appear in the right column will all appear on the recognition language drag down menu on the tool bar.

In this tab, you can select the recognition language in the left column and click [Add] add it into the right column. If you want to remove a language from the right column, you can select the language you want to remove and click [Remove] to remove it from the right column.



Tip: **Select a language in the right column and click [Up] or [Down]. You can change this language's order.**

Appendix: Recognition Languages

Abkhaz
Adyghe
Afrikaan
Agul
AlbanianAltai
Armenian (Eastern)
Armenian (Grabar)
Armenian (Western)
Avar
Aymara
Azerbaijani (Cyrillic)
Azerbaijani (Latin)
Bashkir
Basq
Belarusian
Bemba
Blackfoot
Breton
Bugotu
Bulgarian
Buryat
Catalan
Cebuano
Chamorro
Chechen
Chinese (Simplified)
Chinese (Traditional)
Chukchee
Chuvash
Corsican
Crimean Tatar

Croatian
Crow
Czech
Dakota (Sioux)
Danish
Dargwa
Dungan
Dutch (Belgium)
Dutch (Netherlands)
English
Eskimo (Cyrillic)
Eskimo (Latin)
Estonian
Even
Evenki
Faroese
Fijian
Finnish
French
Frisian
Friulian
Gagauz
Galician
Ganda
German
German (Luxembourg)
German (new spelling)
Greek
Guarani
Hani
Hausa
Hawaiian
Hungarian

Icelandic
Indonesian
Ingush
Irish
Italian
Japanese
Jingpo
Kabardian
Kalmyk
Karachay-balkar
Karakalpak
Kasub
Kawa
Kazakh
Khakass
Khanty
Kikuyu
Kirghiz
Kongo
Korean
Koryak
Kpelle
Kumyk
Kurdish
Lak
Latin
Latvian
Lezgi
Lithuanian
Luba
Macedonian
Malagasy
Malay (Malaysian)

MalinkeMaltese
Mansi
Maori
Mari
Maya
Miao
Minangkabau
Mohawk
Moldavian
Mongol
Mordvin
Nahuatl
Nenets
Nivkh
Nogay
Norwegian (Bokmal)
Norwegian (Nynorsk)
Nyanja
Ojibway
OldEnglish
OldFrench
OldGerman
OldItalian
OldSpanish
Ossetian
Papiamento
Polish
Portuguese (Brazil)
Portuguese (Portugal)
Provencal
Quechua
Rhaeto-Romanic

Romanian
Romany
Rundi
Russian
Russian (Old Spelling)
Rwanda
Sami (Lappish)
Samoan
Scottish Gaelic
Selkup
Serbian (Cyrillic)
Serbian (Latin)
Shona
Slovak
Slovenian
Somali
Sorbian
Sotho
Spanish
Sunda
Swahili
SwedishTabasaran
Tagalog
Tahitian
Tajik
Tatar
Thai
Tok Pisin
Tongan
Tswana
Tun
TurkishTurkmen
Tuvinian

Udmurt
Uigur (Cyrillic)
Uigur (Latin)
UkrainianUzbek (Cyrillic)
Uzbek (Latin)
Vietnamese
Welsh
Wolof
XhosaYakut
Zapotec
Zulu
Esperanto
Ido
Interlingua
Occidental
Arabic numbers
Arabic-Indian numbers
Basic
C/C++
COBOL
Fortran
JAVA
Pascal
Simple chemical formulas

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