

READERPEN™

User Guide

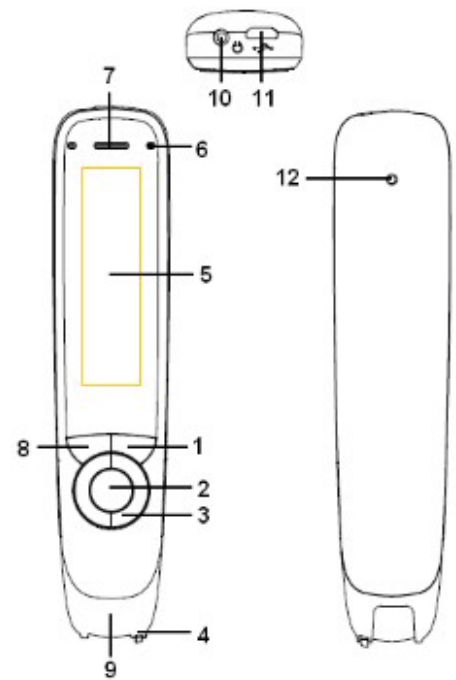
Introduction

The C-Pen ReaderPen is a portable, pocket-sized device that:


- Scans text and reads it out aloud with a human-like digital voice.
- Provides dictionary meanings and translates words
- Scans text to a file
- Records voice memos

Buttons and connectors

1. **POWER ON/OFF & BACK BUTTON:** Press 3 seconds to power device on or off. Press briefly to use as cancel function in the user interface
2. **OK BUTTON:** When a dialog box or options list pops up, press this button to confirm the operation.
3. **UP/DOWN/LEFT/RIGHT:** Navigation buttons to move focus or cursor.
4. **SCAN TRIGGER:** When scanning, the Scan Trigger is automatically pressed to activate scanning.
5. **SCREEN:** The device's display screen.
6. **SPEAKER:** Used to read text out loud. Muted when headphones are connected.
7. **MIC:** Microphone for recording voice memos.
8. **MENU BUTTON:** Press this button to display context menu (like mouse right click on PC) settings when available.
9. **SCANNING WINDOW:** Frames the text to be scanned.
10. **HEADPHONE JACK:** A standard 3.5 mm headphone jack. Speaker is muted when headphones are connected.
11. **MICRO USB CONNECTOR:** Used for charging. To charge, connect to USB charger or computer USB port.
12. **RESET BUTTON:** Pressing this button resets the device. It is recommended to use this button only when the device cannot be turned off properly.



Get started

1. Make sure the ReaderPen is on. Press the  On/Off button for three seconds to power on (boot sequence takes about 10 seconds).
2. Select a function to use:
 - **Text Reader:** Reads text out loud
 - **Dictionary:** Looks up words in the dictionary and shows the definition or translates to a different language.
 - **Save to File:** Scan and save text to files.
 - **Recorder:** Record and save voice memos.
 - **Settings:** Change system settings

Scanning

1. Place the document to be scanned on a flat surface.
 - The ReaderPen can scan words with sizes ranging from 7.5pt to 21pt.
 - Background contrast will affect the quality of the scan.
2. Hold the device just like a common pen.
 - Make sure to center the text line to be scanned in the Scanning window.
 - Place the tip of the pen at the location about half a word in front of the first word to be scanned.
 - You may scan the text from right to left or from left to right.
3. Push the pen slightly, and scan the words by moving along the text line.
 - Don't push the ReaderPen too hard towards the paper surface.
 - The scanning light turns on if you are holding it at the proper angle
 - Move in a straight line at a steady pace.
4. Once the pen is lifted, the words will be recognized immediately and displayed on the screen.
 - It can only recognize one text line at a time. You may not scan another row until the current row is recognized and displayed.

Text Reader

It is possible to scan a single word, a full text line, or build up sentences and paragraphs that can be listened to over and over again. When using the Text Reader function, scanned in text is not saved.

1. Select the **Text Reader** function and press **OK** button.
2. Scan in a line of text
3. Reading begins automatically after each scanned text line.
 - To make it easy to follow the text, each word is **highlighted** as it is being read out loud.
 - To stop reading, press the **MENU** button or begin a new scan.
4. To re-listen to the scanned text:
 - If you are at the end, press the **Right** direction button to go to the top, then press **OK**
 - Use direction buttons to move the text cursor to any position, then press the **OK** button to begin reading starting at the cursor
 - You can **ZOOM** in on a word and re-listen to it being read out. Select the text, then press and hold the **OK** button to zoom and read.

Text Reader Settings

While in Text Reading Mode, pressing the **MENU** button access these settings.

Adding Mode

- **Replace mode:** Display only latest scanned text line
- **Append mode:** Add each text line after the previous one to build up full sentences or paragraphs.

Scan Languages: Set the language of the text being scanned and read.

Reading Settings:

- **Speed and Volume:** Speed is used to set speed with which the text is read out. Volume affects both speaker and earphone volume.
- **Word Pause:** Insert additional pauses in between words to slow down reading speed further.
- **Punctuation Pause:** Change the pause length made at punctuation.

Dictionary

With Dictionary function it is possible to scan a word and have it instantly looked up in one of the embedded dictionaries.

You can also have it translate the scanned in word into a different language by selecting a different dictionary. (English, French, Spanish)

1. Select the **Dictionary** function from the **MENU** and press the **OK** button.
2. Use the direction buttons to select the appropriate dictionary
3. Scan in the word or words
4. The definition or translation will automatically be displayed.

5. The word that is scanned in is automatically read out loud. (*Read scan setting*)
 - Press the **OK** button to re-read the word again (*Read OK setting*)
 - The definition will automatically be read out loud. (*Read def setting*)
 - You can change these Reading settings in the Dictionary Settings **MENU**
6. If multiple words were scanned in, use the direction buttons to select a different word to look up.

History: Press **MENU** button while in the Dictionary function to access the History. Each time a word is looked up in a dictionary, it is added to a history log, making it possible to redo the lookup at any time without the need to re-scan the word. Press Menu button once more for an option to erase the history.

Scan to File

With Scan to File it is possible to scan and save sentences and paragraphs as text files. These files can be opened and read out loud by the ReaderPen at a later time.

- Create a **New File** and scan text.
- The file is automatically saved upon exit.
- Files can be retrieved and listened to at any time by selecting **Open File**
- Connecting the ReaderPen to a computer, allows the saved files to be copied to the computer as (.txt files).

Recorder

Recorder function makes it possible to record and save voice memos.

- Start recording and position the microphone 5-10 cm from your mouth and speak with normal voice.
- The **OK** button toggles Record/Pause.
- When finished, use **Back** button to exit.
- The recording is automatically saved and can be retrieved and listened to at any time.
- Connecting the ReaderPen to a computer, allows the saved files to be copied to the computer as (.mp3 or .wav files).


USB Connection

Connecting the ReaderPen to a computer enables three features:

- **Charging:** Charges the battery
- **U-drive:** ReaderPen acts as a USB drive and makes it possible to e.g. copy files between computers
- **Keyboard:** ReaderPen emulates a keyboard. Scan to input text. To get the correct symbols, the keyboard map set on the computer must be the same as the language set on ReaderPen.

Settings

To access, press the **MENU** button, use the **Up/Down** button to select **Settings**, and press the **OK** button.

- To back up/escape to the previous menu press the  Back/Power button.

Menu Language: Select the language of the device.

TTS Settings:

- **English voice:** Change the accent of the English reading voice
- **Read Delay:** Inserts a delay between end of scan and start reading. This is useful to add extra time to mentally change focus from scanning and get ready to listen.

Exam lock: By enabling Exam Lock, all functions but Text Reader are disabled. Upon activation a PIN code is entered. The same PIN code is used to deactivating Exam Lock. (In case the PIN code is lost, connect ReaderPen to a PC in U-disk mode and manually remove the lock file.)

Left/Right Handed: Sets up ReaderPen for use with right or left hand. Flips the display.

Brightness: Sets display brightness. Use Left/Right to change.

Date/Time: Date is used when naming text files and voice memos.

Auto Shutdown: ReaderPen shuts down automatically when not used for a predefined time.

System Information:

- **State of charge:** Shows battery charge level in percentage.
- **Storage space:** Shows disk space available for user to store text files and voice memos.
- **Version:** Shows software, system, and hardware version.
- **Dictionary information:** Shows copyright details for the embedded dictionaries.

Software Upgrade: It is possible to update the firmware of the ReaderPen. Details are on www.cpen.com.

Default Settings: Resets all settings to factory default.

Charging the Device

- Connect the device to the USB socket of a computer (the computer must be powered on) or an AC adapter through a Micro USB cable for battery charging.
- Before ReaderPen completely runs out of battery, you should charge the battery. The pen charges independent of whether it is powered on or off.
- The time for power-off charging is around 3 hours.
- Even if the device is not used for a longer period it's recommended to **charge the battery at least every three months**.