

# C-PEN (C900W) – User guide

## BRIEF INTRODUCTION

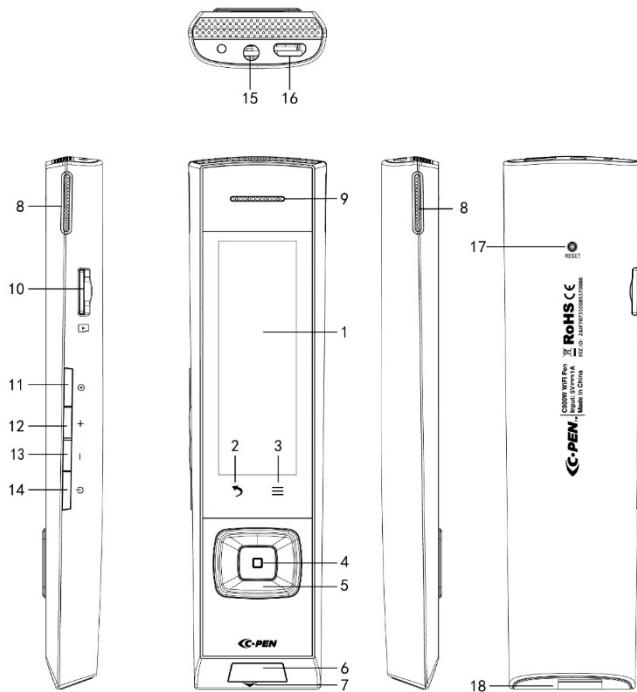
The C-PEN™ C900W™ is a portable scanning pen which reads printed text out loud using an embedded camera, a real-time optical character recognition (OCR), and natural voice text to speech (TTS).

C900W also features wifi support, text translation service, and embedded dictionaries.

**C-PEN C900W** is designed with the objective to promote active and independent reading, learning and literacy.

C900W will help you to read more efficiently, understand more, and learn faster.

# THE DEVICE



1. OLED Screen
2. Return/Back touch button
3. MENU touch button
4. OK button
5. Four-way navigation button
6. Scan window
7. Scan indicator line
8. Mic
9. Speaker
10. SD card slot
11. Voice memo button
12. Volume +
13. Volume -
14. Power button
15. Headphone jack
16. Micro USB
17. RESET button
18. Scan trigger

# KEY FEATURES

Below is a brief description of the key features of C900W. For more detailed usage guide, check [www.cpen.com/c900W-guide](http://www.cpen.com/c900W-guide).

## ***Scanning & Optical Character Recognition***

C900W is a text scanner with which it is possible to scan words, lines or paragraphs. Push the front of the pen towards the paper to activate scanning by pressing down the Scan trigger (#18) and move the pen along the text line to capture text.

When the pen is lifted from the paper, the scanned text is processed by an OCR engine and images are converted to digital text which shows up on the screen.

Scanned text may at any time be saved in text files in the pen memory.

## ***Text to speech (TTS)***

The TTS makes it possible to listen to the scanned text being read out loud. Reading is triggered by pressing the OK button (#4). Reading is both a support function for users with reading difficulties and users reading a second language and who need to listen to words being pronounced.

## ***Dictionary***

To improve literacy, C900W contains monolingual dictionaries explaining the meaning of words that may be more difficult to understand.

C900W also contains bi-lingual dictionaries translating words between languages. These are useful when learning a second language or when reading text in a foreign language.

## ***Translation***

Any scanned text is possible to translate in full to another language (requires wifi connection). Scan some text or open a file with previously scanned text and trigger translation.

## ***Recording***

By pressing Voice memo button (#11), it is possible to record a voice memo that is stored in the pen memory. Vice memos may be retrieved and listened to at any time.

## **Connectivity**

C900W supports WIFI and USB connection. WIFI is primarily used to connect to internet in order to leverage on online resources and USB is used for direct connection to computers as well as charging of the built-in rechargeable battery.

## **LANGUAGES**

Please visit [www.cpen.com](http://www.cpen.com) to check latest updated information about languages supported.

## **SAFETY PRECAUTIONS FOR BATTERY USAGE**

THE LITHIUM BATTERY IS HAZARDOUS. ANY ATTEMPT TO DISASSEMBLE THE BATTERY IS NOT ALLOWED. IF YOU DISASSEMBLE OR REPLACE THE BATTERY, IT MAY EXPLODE. THROWING IT INTO A FIRE MAY ALSO CAUSE AN EXPLOSION. KEEP THE BATTERY AND THE DEVICE DRY, AND AWAY FROM WATER OR OTHER LIQUID TO AVOID SHORT-CIRCUIT. MAKE SURE NOT TO USE THE BATTERY WHEN IT IS DAMAGED, DEFORMED, DISCOLORED OR OVERHEATED OR EMITS ANODOR. THIS PRODUCT SHOULD BE USED WITH CARE IN TROPICAL REGIONS. IF YOU HAVE QUESTIONS ON HOW TO USE THE PEN, PLEASE CONTACT OUR TECHNICAL SUPPORT/SERVICE FOR HELP.

## **BATTERY MAINTENANCE AND PRECAUTIONS**

Battery capacity deteriorates over time. To optimize battery life time:

Charge battery prior to becoming completely empty.

Do not expose the battery to heat longer than necessary (above 30°C is considered hot).

Disconnect charger as soon as possible after battery becomes fully charged.

Do not let the battery run completely out as it may harm the battery. Even if the device is not used for a longer period, charge the battery at least every three months.

# Declaration of conformity

Virrata AB hereby declares that the product C900W complies with the requirements of directive 2014/30/EU – Electromagnetic Compatibility (EMC) Directive – and 93/68/EEC – CE Marking Directive.

## Warning

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with another antenna or transmitter.

## **RoHS Declaration**

Based on information provided by our suppliers this product meets the requirements of RoHS Directive 2011/65/EU.

The maximum concentration value of the prohibited six substances of “RoHS Directive” do not exceed the following:

- Cadmium and its compounds: 0.01% (100 ppm) by weight in homogeneous materials.
- Lead and its compounds, Mercury and its compounds, Hexavalent chromium and its compounds, Poly Brominated biphenyls (PBB), Poly Brominated diphenylethers (PBDE): 0.1% (1000 ppm) by weight in homogeneous materials.

## **WEEE Notice**

The Directive on Waste Electrical and Electronic Equipment (WEEE) which entered into force as European law on 13th February 2003 resulted in a major change in the treatment of electrical equipment at end-of-life. The purpose of this Directive is a first priority the prevention of WEEE and in addition to promote the reuse recycling and other forms of recovery of such wastes so as to reduce disposal. The WEEE logo on the product or on its box indicates that this product must not be disposed of or dumped with your other household waste. You are liable to dispose of all your electronic or electrical waste equipment by relocating over to the specified collection point for recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserving nature resources. Moreover, proper recycling of the electronic and electrical

waste equipment will ensure the safety of human health and environment. For more information about electronic and electrical waste equipment disposal recovery and collection points please contact your local city center household waste disposal service shop from where you purchased the equipment or manufacturer of the equipment.

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**Support:** [support.cpen.com](mailto:support.cpen.com)