

SIEMENS

Operating Instructions



Attention!

Before you begin to work with your POCKET READER please read the ⇒ **Safety Instructions** at the end of this manual.

All the products mentioned in this document are the property of their respective manufacturers.

| | |
|---|-----------|
| Introduction..... | 4 |
| What your POCKET READER can do for you ... | 4 |
| What the POCKET READER package includes | 4 |
| The reading pen | 5 |
| Elements | 5 |
| How to activate the reading pen..... | 6 |
| How to deactivate the reading pen..... | 6 |
| How to handle the reading pen | 6 |
| How to read text..... | 8 |
| How to configure the reading pen | 9 |
| How to connect the reading pen to the PC.. | 11 |
| Connection problems..... | 12 |
| The PC program | 13 |
| Installation..... | 13 |
| Deinstallation | 13 |
| How to start the program | 14 |
| How to operate the program | 14 |
| First steps..... | 15 |
| Notes..... | 16 |
| Safety instructions | 16 |
| Maintenance instructions..... | 18 |
| How to replace the batteries | 18 |
| Technical data..... | 19 |
| Shipment | 19 |

What your POCKET READER can do for you ...

- come with you wherever you go
- work off-line for up to 20 hours
- read, on a line-by-line basis, all common types of printed material in different sizes
⇒ see "**How to handle the reading pen**"
- store as many as 20 pages of text
⇒ see "**How to read text**"
- retain stored text even with empty batteries or without batteries
- transfer stored text to a PC
⇒ see "**The PC program**"

What the POCKET READER package includes ...

- the battery-powered text scanning device (or reading pen for short)
- a cable for connecting the reading pen to a PC
- the PC program
- this user manual

Elements

- **Scanning head**

The tapered scanning head (with scan window and rubber roller) is used for scanning printed text

⇒ see "**How to handle the reading pen**"

- **Display**

The 24-character display shows you the scanned text as well as menu texts and status messages.

- **Keys**

There are six keys on the reading pen. What effect each of them has is described below:

- ⏴ – **Inserts carriage return**
– **Confirms menu selection**
- F – **(long) Invokes menu**
– **(short) Indicates text language**
- ⏪ – **Goes back in text/menu**
- ⏩ – **Goes forward in text/menu**
- X – **Deletes text**
- Ⓞ – **Activates/deactivates reading pen**



In the description given below, the term "double click" means to press a key twice in short succession.

What function each key has exactly, is described in the sections below.

- **PC interface**

The tip jack accommodates the PC connector cable

⇒ see "**How to connect the reading pen to the PC**"

- **Battery compartment**

The battery compartment contains two micro cells

⇒ see "**How to replace the batteries**"

How to activate the reading pen

- ① Keep pressed for about one second, until the display is on

After activation, the display will show you briefly how much text memory space is still available and what the battery status is ("Status Display"). Then you will see the text you stored last.

Emergency measures:

Should inconsistencies arise in the flash EPROM of your reading pen (e.g. after a power failure while you were storing or deleting text) and the reading pen is no longer operational, you can invoke the configuration menu directly during reading pen activation by keeping the **X** key pressed down. In the configuration menu, you then need to erase the entire memory.

⇒ see also **"How to configure the reading pen"**

How to deactivate the reading pen

- ① Press briefly

If you don't press any key or scan any text within 2 minutes, the reading pen will switch off automatically.

How to handle the reading pen

- Activate the reading pen device.
- Place the scanning head (wedge-shaped top with scan window and rubber roller) firmly on the paper (against the resistance offered by the rubber roller) a few millimeters in front of the text you want to scan (a red light will shine on the text).



- Move the reader smoothly and quickly over the line you want to scan.

- As soon as you lift the reader from the paper, the last part of the scanned text will be shown on the display.

Please remember:

- The line you are scanning must stay within the scan window while you drag the reading pen over it.
- Don't lift the scanning head from the paper while scanning.



- Ensure that the front edge of the scanning head touches the paper at a right angle to the line of text you are scanning.



- Try to keep the reading pen vertical (at a right angle to the paper).



- Under extreme light conditions (e.g. direct exposure to sunshine) character recognition may be disturbed.
- The scan quality for texts in red or yellow print on a light or red background, or texts in dark print on blue or grid background is poor.
- If the quality of the text of the original you are scanning (dirty or creased paper) or of the typography is poor (a lot of "contiguous" characters), character recognition rates will be low.
- In general, it takes just a little practice to improve your scanning results.

How to read text

Your reading pen can read entire lines. Immediately after scanning, the text is stored in the reading pen memory.

⇒ see **"How to handle the reading pen"**

The display shows you the text you have scanned, with a cursor (blinking block) marking the current position.

You can later transfer the text you have stored to the PC for further processing.

How to edit text

Use the following keys to view and edit text stored in memory:

- ◀ Moves cursor one character to the left
- ▶ Moves cursor one character to the right
- ◀ **Double click:** Places the cursor at the beginning of the active paragraph. If the cursor is already positioned there, pressing this key will move the cursor to the beginning of the preceding paragraph
- ▶ **Double click:** Places the cursor at the beginning of the next paragraph or to the end of the text
- ↵ Inserts a carriage return at the end of the stored text and moves the cursor to the end of the text
- F (briefly) Indicates text language (press any key or start a new scan run to exit from this display)
- X Deletes the text from the cursor position up to the end of the text

On the display, carriage returns are represented by "↵" and will enforce line feeds during later text processing on the PC.

How to configure the reading pen

- F Keep pressed for 3 seconds

On the display, you can see the first menu item of the configuration menu.

Using the following keys, you can check and change settings:


- ◀ Previous menu item
- ▶ Next menu item
- ◀ **Double click:** first menu item
- ▶ **Double click:** last menu item
- ↵ – Selects menu item
– Confirms selection in submenu
- F Exits configuration menu

To select a menu item means you go to the second menu level and change a setting there (in the submenu).

Use the "return" menu item to return to the first menu level.

The setting that is currently active is capitalized on the display.

After you change a setting, you'll automatically exit from the configuration menu.

If you select the "erase all data" menu item, you need to confirm the "erase all?" request by pressing the  key within 2 seconds. The entire text stored in the reading pen will be erased.

After you exit the configuration menu, the display will show you briefly how much text memory space is still available and what the battery status is ("Status Display").

Configuration menu

text language

(language of original text)

Deutsch
English
Français
Español
Italiano
return

menu language

(language in which the menu items and status messages are displayed.)

Deutsch
English
Français
Español
Italiano
return

erase all data

erase all? yes=<↵>
return

exit menu

Specifying the correct text language (and thus the language-specific character set) is essential for improving the scan quality!

How to connect the reading pen to the PC

To be able to

- transfer text stored in the reading pen memory to the PC,
- erase text stored in the reading pen memory, or
- make configuration settings for the reading pen from the PC,

you must connect the reading pen to the PC with the connector cable and run the PC program.

⇒ see **"The PC program"**

- Make sure the reading pen is deactivated.
- Plug the jack plug of the connector cable into the tip jack of the reading pen (ensure that the plug is firmly connected).
- Plug the 9-pin sub-D plug of the connector cable directly or via a respective adapter – depending on your computer hardware - into the jack of a serial port of your computer.
- Activate the reading pen.

Connection problems

If your computer is unable to connect to the reading pen, or if you experience problems with the text transfer, please check the following:

- Cable connection text reader ↔ Computer.
Hint: Pull the plug and reconnect.
- Is the text reader activated, and is it out of its configuration menu?
Hint: turn the pocket reader off and on again.
- Is the correct serial port (e.g. for PCs: COM 1, COM 2, ...) selected in the "Configuration" menu?
Hint: try another interface and restart the program.
- Is the serial interface used by any other (driver) software?
Hint: deactivate any FAX-, modem- or synchronization software for palmtops or similar devices.
- Is the configured transfer rate suitable for your computer?
Tip: in the configuration menu, reduce the transfer rate.

With the POCKET READER, software for Windows 95, 98, 2000 or NT 4.0 and higher is shipped. Software for other computer platforms and operating systems can be found on the internet homepage:

<http://www.pocketreader.com>

The PC program

The *PReader* program lets you

- transfer text from the reading pen to the PC
- erase text from the reading pen memory, and
- change the configuration settings for the reading pen.

The POCKET READER PC software runs under Microsoft Windows 95, 98, 2000 or NT 4.0 and higher.

Installation

- Insert floppy disk.
- Execute "*setup.exe*":
Start / Settings / Control Panel / Software / Install
or
Start / Execute / a:setup / OK
- Follow the instructions displayed on the screen.

If, during the installation, you elect to use the default settings, all the files will be stored in the directory `[...]SIEMENS\PReader`.

Notes for links:

Automatically generated files such as *LastTXT.RTF* will be stored in the active working directory.

Deinstallation

- Start / Settings / Control Panel / Software / Install / Remove
- Delete remaining files from the directory `[...]SIEMENS\PReader`, if required
- Delete the directory `[...]SIEMENS\PReader`, if required

How to start the program

- Connect the reading pen to the PC
⇒ see **"How to connect the reading pen to the PC"**
- Execute *PReader*.
Start / Programs / PReader / PReader

The first time you start *PReader*, you must specify, in the "Tools / PC Configuration" window, via which serial port (COM 1, COM 2=default, ...) the reading pen is connected to the PC. And you can also set the language to be used on the user interface (default setting: English).

How to operate the program

You can access the *PReader* program functions via:

- menus
- shortcuts (*Ctrl+Key*)
- icons for direct access by mouse click

In the bottom line of the main window, you will see, on the left, the status messages issued by the reading pen, and, on the right, additional information (*help text*) for the currently selected menu item or icon.

The *text window* displays the text transferred from the reading pen. You can use simple editing functions to further edit the text. You can save the text in a file or transfer it, as a whole or in part, to other applications (text processing, database, ...) using the common Windows functions (clipboard, drag&drop).

First steps

The menu items and icons needed for operating the program are self-explanatory. If you point the mouse to a menu item or icon, the bottom line of the PC program main window will offer you a brief help text.

Select, by mouse click, the *"Tools"* menu, and then *"PC Configuration"*. In the window displayed subsequently, select the language of your preference.

To get familiar with the program options, use the mouse to point to all the other menu items and read the information provided in the bottom line of the main window.

To get more details on the window element currently selected, press the *F1* key.

Safety Instructions

⚠ CAUTION

Failure to properly maintain or operate the equipment may result in minor or moderate injury or a product failure.

The instructions contained herein should be carefully reviewed, understood and followed.

- Use the reading pen only in dry places.
- Don't store the reading pen in damp or hot environments (e.g. in a vehicle exposed to the sun).
- Don't connect the reading pen to any other cable than the one that comes with it.
- Use the connector cable only for data transfer between the reading pen and a PC.
- Keep out of reach of children - the POCKET READER is not a toy.
- Don't use the POCKET READER for scanning confidential information.
- Don't modify or disassemble the reading pen and the connector cable in any way. For repairs, always contact an authorized workshop.
- According to the current state of the art, it is not possible to design computer software in a way to warrant that it will work without errors for every particular purpose and in all kinds of combinations. Therefore, the software delivered here is software that is generally fit for use in the sense of the program description.
- Software installation on the PC is at the customer's risk.
- Never use the software on computers where confidential or security-relevant information is handled.
- SIEMENS will not accept liability for damages caused by using the POCKET READER (except in cases of intent or gross negligence on the part of SIEMENS), particularly not for damages caused by improper use and by non-compliance with operating instructions.

- **SIEMENS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT OR ANY PART THEREOF. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, SIEMENS DISCLAIMS ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THIS PRODUCT OR ANY PART THEREOF.**
- Don't open the battery compartment unless the reading pen is deactivated and the connector cable is disconnected from the reading pen.
- Don't open batteries and accumulators. The cells contain alkaline solutions which may cause burn injury. In the case of skin or eye exposure to such alkaline solutions, immediately flush the affected body part with plenty of water and get medical attention.
- Don't burn batteries and accumulators in stoves or open fire.
- Don't recharge batteries.
- Don't short-cut batteries and accumulators.
- Be aware of the danger of explosion if batteries and accumulators are used improperly.
- Don't mix batteries and accumulators of different cell types and capacities. This might damage the batteries/accumulators or the reading pen itself.
- Make sure the polarity is correct when inserting batteries and accumulators into the device.
- When storing the reading pen for an extended period, make sure to remove the batteries from the device.
- Batteries and accumulators will discharge also when not in use.
- Ensure proper disposal of used accumulators and batteries in accordance with all appropriate regulations.

Maintenance instructions

In principle, the POCKET READER is maintenance-free.

A dry cloth is sufficient for cleaning the reading pen. If the device is too dirty for being cleaned with a dry cloth, you can also use a cloth that has been soaked in water with a mild detergent and been well wrung out afterwards. Never use scouring powder or plastic-dissolving detergents.

Use only dry, soft and lint free objects (e.g. cotton wool sticks) to clean the scanning head and the rubber roller.

Allow no liquids to seep into the device.

During cleaning, make sure the reading pen is not connected to the PC, and the batteries have been removed.

How to replace the batteries

Before replacing the batteries, make sure

- the reading pen is deactivated
- the reading pen is not connected to the PC

After opening the battery compartment (by slightly pressing down the grooved part of the lid and sliding the lid sideways), you can remove the old batteries and insert new ones.

- Use only standard alkaline-manganese cells (size micro/AAA/LR03) with 1.5 V or NiCd accumulators with 1.2 V.
- Pay attention to the battery polarity (marked in battery compartment).

Technical data

| | |
|---|---|
| Dimensions: | approx. 160 x 40 x 20 mm (L x W x H) |
| Weight: | approx. 110 g (incl. batteries/accumulators) |
| Power pack: | 2 micro/AAA/LR03 batteries/accumulators |
| Service life with respect to new batteries: | more than 20 hours |
| Memory capacity: | about 20 pages of text |
| Scan resolution: | 400 dpi |
| Font sizes: | 8 - 16 point(2,8 - 5,6 mm) |
| Fonts: | Grotesk (Helvetica and similar.) Antiqua (Times, Courier and similar.) |

Environmental conditions

| | Storage and transport | Operation |
|--------------------|-----------------------|---------------|
| temperature: | -20°C .. +40°C | +5°C .. +40°C |
| rel. air humidity: | 5% .. 85% | 5% .. 85% |

Shipment

- Text reader
- Connector cable reading pen ↔ PC
- 3.5" floppy disk containing the PC program and installation software for the Windows 95, 98, 2000 and NT 4.0 or later operating systems
- Operating instructions
- 2 batteries (micro/AAA/LR03)

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