

Eye-Pal[®] SOLO LV

Scanning and Reading Appliance User's Guide



Freedom Scientific, Inc.

www.FreedomScientific.com

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To register your product, visit <http://www.freedomscientific.com/forms/ProductRegistration>.

Safety and Maintenance

To keep the unit in good condition and to ensure safe usage, observe the following guidelines:

- Read the instructions in this user's guide before attempting to use the unit.
- Do not attempt to repair the unit or open its case. This product contains no user serviceable parts.
- Keep the unit away from wet areas, rain, and other sources of liquids or high humidity. Do not submerge the unit.
- Always operate the unit in a place where the temperature is between 10° and 40° C (50° and 104° F).
- Always store the unit in a place where the temperature is between -20° and 65° C (-4° and 149° F).
- Always use the unit on a stable, level, hard surface such as a desk or table.
- When cleaning the screen, camera lens, or self-view lens, unplug the power cord and apply a small amount of non-abrasive cleanser, such as the following, to a soft, lint-free cloth and gently wipe:
 - Water
 - Isopropyl alcohol
 - Petroleum benzene
 - Vinegar mixed with water at a concentration of no more than 10 percent vinegar, for example, 1.5 tablespoons of vinegar per cup of water (100 ml per liter)

CAUTION:

Do not apply excessive pressure to the screen, camera, or self-view lens. Do not spray cleanser directly on these items. Also, do not use any cleanser that contains the following agents: acetone, ethyl alcohol, ethyl acid, ammonia, or methyl chloride.

When cleaning the rest of the unit, make sure the unit is unplugged. Use a lightly dampened, soft, clean cloth with water or mild detergent.

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Congratulations on choosing the Eye-Pal® SOLO LV, a unique, state-of-the-art, scanner and reader.

What's in the Box

- Base
(black rectangular box, 9.63-inches x 11.5-inches x 2.38-inches)
- Camera
(black, square-shaped device attached to the top of the neck, a thin black metal tube, 16-inches long)
- Power supply
- Power cord
- User guide
- Quick reference guide
- Keypad

Assembly

1. Place the Eye-Pal SOLO LV base on a flat surface with the front panel, with buttons, facing toward you.
2. Firmly press the bottom of the neck into the hole on the top surface of the base so that the camera extends directly over the middle of the base. It only fits one way. When properly inserted, the neck will not be able to twist.
3. At the bottom of the neck, there is a short USB cable. Plug this cable into the USB port located on the back of the base.
4. Connect the power supply and power cord. Plug it into the back of the Base on the left side. Then plug the other end into a power outlet.
5. Plug the end of the Keypad cable into the USB port located on the right side of the base.
6. Plug your optional monitor or TV into the appropriate port on the back panel.

Your Eye-Pal SOLO LV is now ready to use.

Note: There is a headphone port on the right side panel of the Eye-Pal SOLO LV for private listening. A headset is NOT included.

What Eye-Pal SOLO LV Can Do

The Eye-Pal SOLO LV is a versatile, easy-to-use scanner/reader/magnifier and book saving device designed to make reading and other everyday tasks simpler to perform. Please read this manual thoroughly and save it to use Eye-Pal SOLO LV's many options.

Three modes of operation

- Reading Mode
- Magnification Mode
- Book Mode

Three easy ways to use

- Front panel buttons
- Hand gestures
- Keypad buttons

In Reading Mode, Eye-Pal SOLO LV will let you:

- Read magazines, newspapers, books, and mail
- Display magnified text on a screen
- Save up to four pages of text
- Switch from a male to a female voice
- Read English and Spanish texts (More languages coming soon)

In Magnification Mode, Eye-Pal SOLO LV will let you:

- Enlarge photos and small objects
- Fill out forms

In Book Mode, Eye-Pal SOLO LV will let you scan pages and save your Book on a flash drive to read later.

Quick Start for Eye-Pal SOLO LV

1. Turn on the Eye-Pal SOLO LV by holding in the green round button located on the right side of the front panel.
2. Turn the black volume knob, in the middle of the front panel, clockwise. A tune will play while the software loads.

Once Eye-Pal SOLO LV is done loading, you will hear “Please place your document.” You are now ready to read.

Note: Keep the platform clear of any documents until you hear “Please place your document.”

How to Read with Eye-Pal SOLO LV

To start reading, place a document onto the Eye-Pal SOLO LV base. Place it in any direction, as the orientation does not matter. You will hear a “shutter” sound.

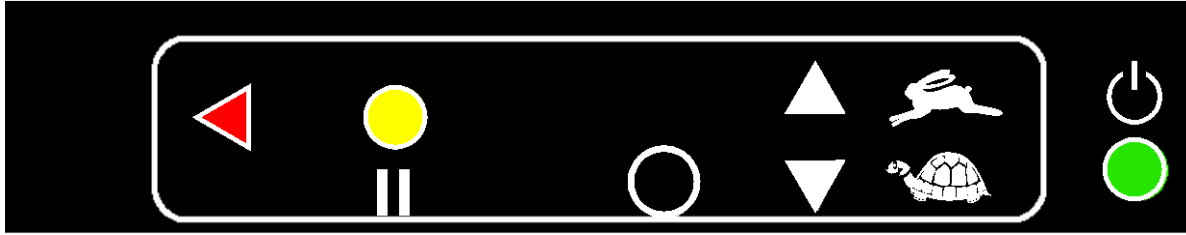
Eye-Pal SOLO LV will begin to read your text aloud in a few seconds. With your monitor or TV connected, you will see the text on the screen.

To magnify the text on the screen, press the Zoom button on the keypad which is the white square, located on the upper left corner, marked with a raised black plus sign. Because Eye-Pal SOLO LV “wraps words”, the words will never run off the screen.

If you remove the document, you will hear, “Please place your document”. You may either replace the document or resume reading, by pressing the yellow round Pause/Resume button on the front panel of the base or the Pause/Resume button on the Keypad.

Note: Eye-Pal SOLO LV can only read text that is within the borders of the base platform. Any text outside of the borders will not be read. Be sure not to obstruct the camera’s vision with your hands.

Front Panel Buttons



Power – the green round button, on the right side of the front panel, is used to turn the Eye-Pal SOLO LV on and off.

Pause/Resume Reading – the yellow round button, to the left of the black volume knob on the front panel, allows pausing and resuming reading. If this button is held down for 3 seconds, it will enable/disable the use of the motion activated controls.

You can control how Eye-Pal SOLO LV reads:

Read Previous Sentence – the red triangle button on the left side of the front panel is used to return to the previous sentence. This button may be pressed as many times as needed to return to a specific sentence.

Reading Speed – there are two white triangle buttons, one above the other, located to the right of the volume knob on the front panel. The top button will increase the reading speed while the bottom button will decrease the reading speed.

Volume – the black round knob in the middle of the front panel is used to adjust the volume. To increase the volume, turn this knob clockwise.

Restarting – to restart the Eye-Pal SOLO LV for any reason, press the red triangle button for 5 seconds. You will hear “Restarting.”

Using Hand Gestures

To use hand gestures, press and hold the yellow circular button on the front panel for 3 seconds. Please note that the following hand motions only work when a document is on the platform.

Pause/Resume Reading – move your hand slowly above the printed material from left to right.

Read Previous Sentence – move your hand slowly from right to left above the printed material. Move your hand as many times as needed to return to a specific sentence.

Keypad Buttons



Help Button – located in the middle of the keypad, above the Up Arrow, it is a white round button. It will say the function of each button on the keypad. Hold down the help button and any other button on the keypad at the same time. You will hear a description of that button and its function.

Mode Button – located just above the white center round Help button, it is a white square, marked with a raised black circle.

Note: Buttons on the keypad may function differently depending on which mode the device is in.

Keypad Buttons Used in Reading Mode

Pause/Resume Button – a white square, marked with a raised black circle in the center of the arrow keys (left, right, up, and down, marked with raised arrows). Press this button to pause and resume reading.

Left Arrow – press this button to hear the previous word.

Right Arrow – press this button to hear the next word.

Up Arrow – press this button to hear the previous sentence.

Down Arrow – press this button to hear the next sentence.

Save Button – hold down the Save button and one of the Arrow buttons at the same time. You will hear “Image saved.” Up to four pages can be saved; one page designated to each Arrow button.

Recall Button – located on the upper right, it is a white square, marked with a raised black horizontal line. Hold down the Recall button and press one of the Arrow buttons to read a previously saved page. You will hear “Reading image.”

Zoom Button – located on the upper left, it is a white square, marked with a raised black plus sign. The Zoom button will change the font size. Because Eye-Pal SOLO LV “wraps words”, the words will never run off the screen.

Color Button – located to the right of the Zoom button; on the upper right corner, it is a yellow square. The Color button will change the color of the text displayed on the screen.

Keypad Buttons Used in Magnification Mode

Use the Mode button to switch between Reading Mode and Magnification Mode.

Zoom Button – located on the upper left corner of the keypad, it is a white square, marked with a raised black plus sign. The Zoom button will change the magnification of the image displayed on the screen.

Color Button – located to the right of the Zoom button; on the upper right corner of the keypad, it is a yellow square. The Color button will change the sharpness, color and brightness of the image displayed on the screen.

Note: The Zoom and Color buttons run in a loop. If you continue to press them, you will return to the original settings.

Advanced Features for Reading

Magnified text may be displayed in multiple ways:

Wrapped Text –default setting in Reading Mode.

Full Screen Scrolling (without audio or highlighted line) – If you would like to read magnified text on the screen without audio; while in Reading Mode, hold down the Recall button and the Pause/Resume button on the keypad, and then press the Increase Reading Speed button, on the front panel. Use Up and Down keys to navigate through the text. To return to speech output, repeat these steps.

Continuous Line Display – to read the text in a single, running line; hold down the Recall button and the Pause/Resume button on the keypad, and then press the Decrease Reading Speed button on the front panel. Line speed is controlled with the Left and Right Arrow keys. To return to normal speech output, repeat these steps.

Zoom and Color buttons can be used in all three ways.

You can also read through columns and listen to the page layout described to you.

Reading Columns – when the Left Arrow and Right Arrow buttons are pressed at the same time, Eye-Pal SOLO LV will read through columns. Press them again to read down columns.

Describing Page Layout – when the Up Arrow and Down Arrow buttons on the keypad are pressed at the same time, Eye-Pal SOLO LV will describe the layout of the page.

You can read in many languages

Changing Languages – when the Recall and Save buttons on the keypad are pressed at the same time, Eye-Pal SOLO LV will switch languages and/or voices. Spanish text can be read if the Spanish voice is selected.

The light can be turned off easily

Turning the Light off – when the Up Arrow, Down Arrow and Pause buttons on the keypad are pressed at the same time, the light will turn off.

Book Mode

Book Mode allows you to save documents to a USB flash drive.

How to start scanning in Book Mode:

1. Turn on the Eye-Pal SOLO LV.
2. Wait for the music to stop playing, and then plug the USB flash drive into the USB Port. You will hear “External memory device is detected. Entering Scanning Mode.”
3. Place the book on the platform.
4. Wait for the camera shutter sound.
5. Scan the page.
6. Remove the book, turn the page and scan.
7. It is faster to scan all the even pages first and then the odd pages.

How to convert a saved Book to text and MP3 (audio file):

1. When you're done scanning, press the Pause/Resume button and listen as your pages are being converted into a text file and audio file.
2. When the process is complete, you will hear “Conversion complete, you can now disconnect external memory device.”
3. Take out the flash drive when instructed.

Now, you can use the flash drive on your computer to view, read, and listen to your saved text.

Connecting Headphones or External Speakers

1. Use headphones with a pin audio jack. Headphones with a USB connector are not compatible with the Eye-Pal SOLO LV.
2. With the device on, plug the headphones or speakers into the Eye-Pal SOLO LV. The headphone jack is located on the right side of the device.

Note: Always stop reading before plugging or unplugging the headphones or external speakers. If you add or remove the headphones or speakers while the Eye-Pal SOLO LV is reading and a problem occurs, restart the device and follow the instructions.

Tips for Best Performance

- Give your Eye-Pal SOLO LV time to work. Too many commands at once or too quickly will overwhelm the device. For optimal performance, Eye-Pal SOLO LV should process only one command at a time.
- When Eye-Pal SOLO LV is starting up, make sure that there is no document on the base and that the Freedom Scientific logo is not covered.
- When placing a document onto Eye-Pal SOLO LV, keep the text flat and make sure there are no obstructions blocking the camera's view of the text (including your hands).
- Make sure that a document is moved completely off the Eye-Pal SOLO LV before placing another document onto it.

The Eye-Pal SOLO LV is trouble free most of the time due to its simple, yet effective design. However, in the off chance that something does go wrong, here are some tips:

- If Eye-Pal SOLO LV freezes up, stops responding to your commands or is acting abnormally, try holding the red triangle button on the front panel for several seconds. You should hear “Restarting”. This process does not restart the device itself, just the software.
- If this doesn’t solve the problem, turn off the device, and then turn it back on by pressing the green round button on the front panel.
- If problems keep occurring, please call your local distributor or Freedom Scientific Technical Support.

Important Notes

- The Eye-Pal SOLO LV is programmed to correct itself and will restart on its own, if necessary. If this occurs, wait a moment before using it again.
- **DO NOT REMOVE** the Freedom Scientific logo from the center of the top panel of the Base. This logo allows the camera to recognize when a document is placed onto the device. Without the logo, the device will malfunction.

Service and Support

You can contact Freedom Scientific Technical Support to receive technical assistance. Before contacting Technical Support, it is recommended that you refer to *Troubleshooting* on page 11 to try to resolve your problem quickly.

Note: This device has no user-serviceable components. Any unauthorized attempt to service or replace internal components will void the product warranty.

To contact Technical Support by Web, visit **www.FreedomScientific.com**, choose Support, and complete the form to submit questions.

To contact by e-mail, send questions to **Support@FreedomScientific.com**.

To contact by telephone, U.S. customers can call **(727) 803-8600**, Monday through Friday, from 8:30 AM to 7:00 PM (Eastern Time).

When you call, please have your questions ready and be prepared to provide the following information:

- Product name
- Product serial number
- What you were doing when the problem occurred
- How you tried to solve the problem

To register your product, visit **www.freedomscientific.com/forms/ProductRegistration**.