Looky⁴

User Manual

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User manual V1.3

English

Nederlands

Deutsch

Français

Italiano

Español

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1. Introduction

Congratulations with the purchase of your Looky4! In this manual you will find a detailed description of all the functions of the Looky4. Read this manual carefully before you start using the Looky4. If you still have any questions after reading this manual, please contact your supplier.

Unless otherwise stated, all mentions of "Looky4" in this manual also apply to the Looky4+.

2. General description Looky4

On/Off button

TV-connection

(Looky4+)

Front

Indicator LED

Charging port

4" HD screen

REHAN

Back

HD camera

LED lighting

Handle
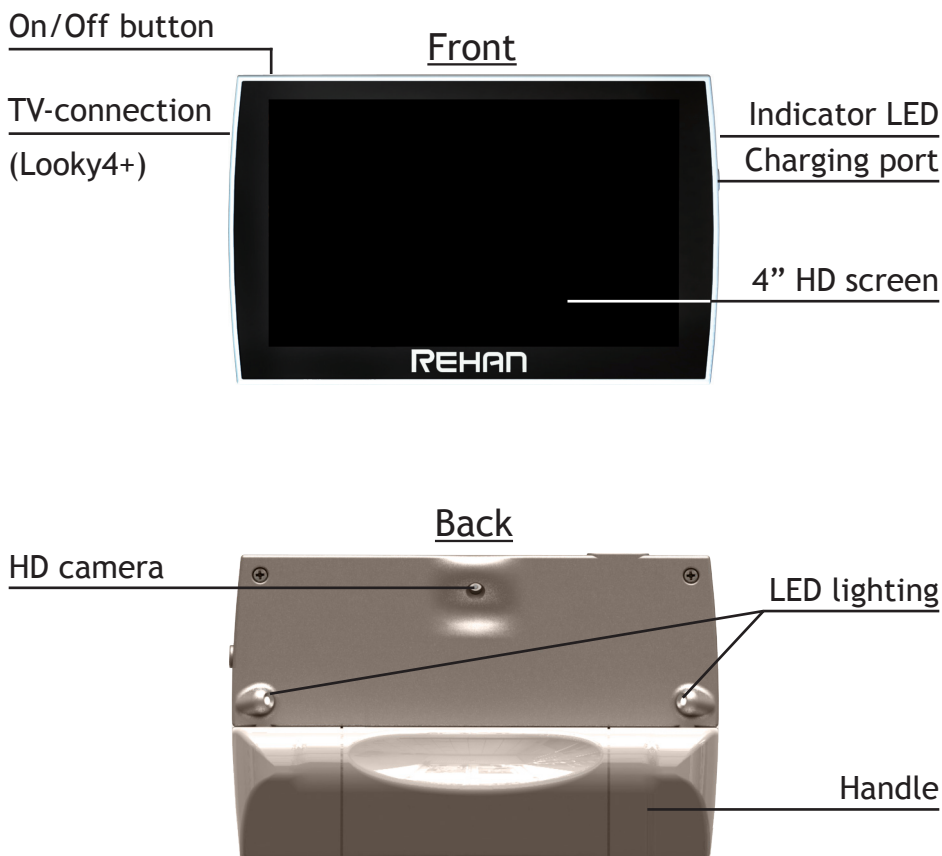
3. Intended use

This device is solely used for displaying enlarged representations of text, photographic material and objects. When the Looky4 is used for any purpose other than the intended use, the CE regulation will not apply.

Caution: do not, under any circumstances, perform maintenance or repairs on the device; always ask a manufacturer approved technician to do this. Warranty will be voided if the Looky4 is attempted to be repaired by anyone other than a technician approved by the manufacturer.

4. Safety and maintenance

Before use, be sure to comply to with the following safety and maintenance instructions:

- Protect the device and its batteries from moisture, rain, sand or extreme temperatures like radiators or direct sunlight.
- Do not use cleaning products that contain alcohol, methylated spirits, ammonia or abrasives. These can damage the device or its touch screen.
- Only use accessories that the manufacturer supplies you with, or approves of.
- Never throw batteries into a fire. Batteries and chargers that are defect are considered chemical waste. They therefore need to be disposed of at a refuse/recycling centre of your choice.
- Note that the use of a screen protector might influence the functioning of the touch screen.

5. Installing the battery

Remove the battery lid to place the battery inside the handle of the Looky4. Replace the battery lid.
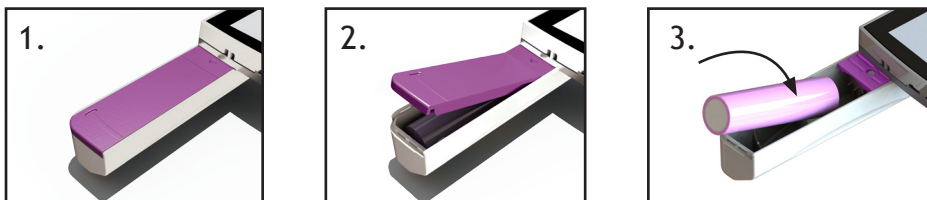
Charge the battery completely before using the Looky4.
Please read the charging instructions carefully.

6. Instructions for charging

Connect the wide end of the USB cable to the adaptor and plug the adaptor into the wall socket. Connect the narrow end of the USB cable to the Looky4 to start the charging process.

Note: the dot on the small connector marks the topside.

LED burning constantly	batteries are being charged
LED off	batteries are fully charged
LED blinking	error / batteries are defect

Charge the batteries in a well ventilated environment. Remove the Looky4 from its carrying case when charging. Don't place it in direct sunlight or near a radiator whilst charging.

When the battery is empty, the Looky4 will switch itself off. You will hear a high pitched tone that fades away.

7. Battery maintenance

- Remove the battery from the Looky4 if you do not intend to use it for an extended period of time. This will improve the longevity of the battery handle.
- Batteries are sensitive to overcharging. It is recommended to only charge the battery when it is completely drained.
- Chargeable Lithium-Ion batteries have an auto discharge that strongly depends on the temperature of the environment (e.g. never leave the battery in a car that is parked in direct sunlight).
- New Lithium-Ion batteries must be charged several times before reaching their nominal capacity.
- Charge Lithium-Ion batteries at least once every 6 months.
- The average lifespan of the battery is usually 300 charging cycles, but this depends on the use. Total capacity will slowly decrease after multiple charging cycles.

8. Folding handle

When the handle is extended, you can use the Looky4 as a magnifier. The closer you get to the object, the bigger the magnification will be.
It is also possible to use the Looky4 with the handle folded in. You can easily set the device on the table and it will automatically stand at an angle. The magnification will then be about 8x. This is easier when you want some stability during the reading of texts.

9. Switching the Looky4 on or off

To switch the Looky4 on, press the ON/OFF button once. You will hear a scaled sound increasing in pitch.
To switch the Looky4 off, press the ON/OFF button for 3 seconds. You will hear a scaled sound decreasing in pitch.

When the Looky4 is switched on, and it doesn't detect any movement on the screen, it will switch itself off after 3 minutes. A two-pitched signal will be heard.

10. Focusing the Looky4

The Looky4 uses a push-to-focus method to focus the image on the screen. Simply touch the screen ones in the centre of the screen, and the camera will focus.

11. Switching off the LED's

By touching the centre of the screen for 4 seconds you can switch off the LED's at the back of the Looky4. You will hear a beeping sound indicating that the LED's is switched off.
Touch the centre of the screen again for 4 seconds to turn the LED's back on. Another beeping sound will be heard.
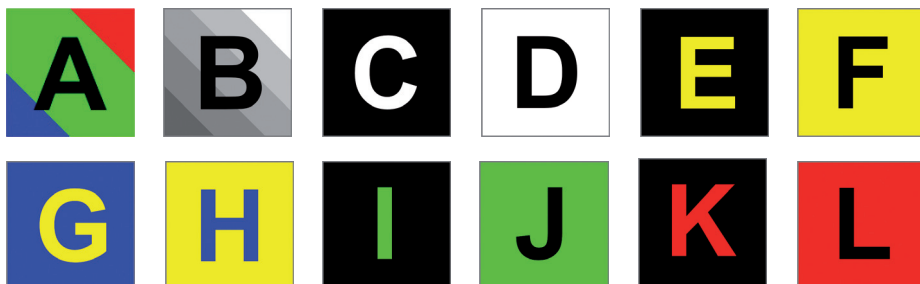For glossy objects it is preferred to switch off the LED's.

12. Display modes

By swiping from the top to the bottom of the screen, or vice versa you can cycle through multiple colour modes.

or

13. Zooming

To alter the magnification you slide your finger up/down on the left or right hand side of the touch screen.

Zooming icon

To zoom in slide your finger upwards on the zooming icon, to zoom out, slide downwards on the zooming icon. The magnification range of the Looky4 ranges from 2x to a 20x magnification.

14. Freeze function

By pressing ones the ON/OFF button you can freeze the image on the Looky4's display. Press the button again to revert to the regular viewing mode.
When the image is frozen, the lighting will be dimmed to save battery capacity.

When the image is frozen, you can use 1 finger to pan through the frozen image.
All functions of the Looky4 can still be used while the image is frozen.

15. Looky4 menu

15.1 Sound, brightness and reading lines
Use 1 finger to touch the bottom section of the screen for 2 seconds to generate the sound menu, brightness menu and the reading line option in the bottom half of the screen. These settings will be saved when the Looky4 is switched off.
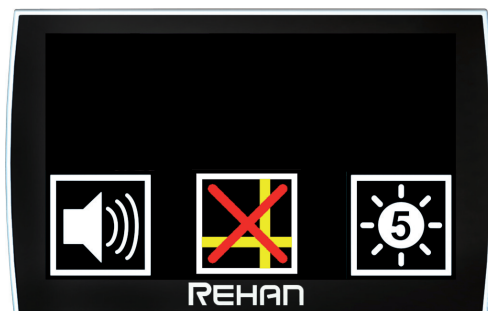
15.1.1 Sound icon

With this icon you can switch the sound on or off.

sound on

sound off

15.1.2 Brightness icon

With this icon you can set the brightness of the screen. There are 5 different intensity settings.

least brightness ———————————————— most brightness

15.1.3 Reading lines

By tapping this icon you can generate a horizontal or vertical reading line on the screen.

15.2 Display modes and battery

Use 1 finger to touch the top section of the screen for 2 seconds to generate the battery, play mode (Looky4+ only when images are stored) and display mode menu in the top half of the screen.

Looky4

Looky4+

15.2.1 Battery icon

This icon indicates the remaining battery life. There are 5 different icons to indicate this.
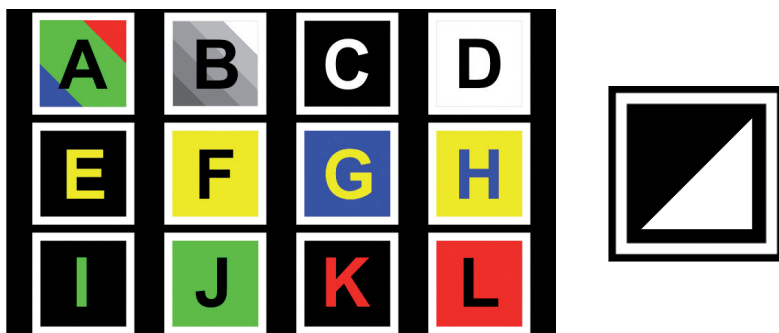
battery empty ───────────────────────────── battery full

When the battery is charging, the menu will display the charging icon.

15.2.2 Display mode icon

By touching the display mode icon, an overview of all available display modes will appear. You can easily select which display mode you want to use.

16. Looky4+ functions

16.1 Saving an image (Looky4+ only)

The Looky4+ can store up to 20 images. To save an image on the Looky4+, first freeze the image on the screen by pressing the ON/OFF button once. Now touch the bottom half of the screen for 2 seconds to generate the sound menu, save image icon and brightness menu. Tap the save image icon to save the frozen image.
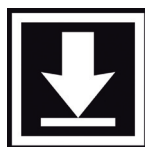
Save image icon

When this icon appears during saving, the memory of the Looky4+ is full. Please delete a saved image before attempting to save an image. See chapter 16.3 for instructions on deleting saved images.

16.2 Viewing saved images (Looky4+ only)

Touch the top section of the screen with one finger for 2 seconds to generate the battery, play mode icon and display mode menu in the top half of the screen. Tap the play mode icon to view the last saved image. To view other saved images, swipe from left to right. Please note it takes approximately 2 seconds to load an image.

Play mode icon

16.3 Deleting saved images (Looky4+ only)

When viewing a saved image, you can delete the image by using 1 finger to touch the bottom section of the screen for 2 seconds and tapping the delete icon.
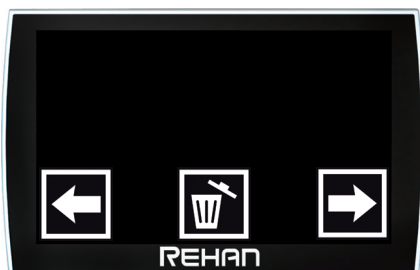

Delete icon

Confirm delete

Cancel delete

By tapping the arrow keys you can cycle through your saved images.
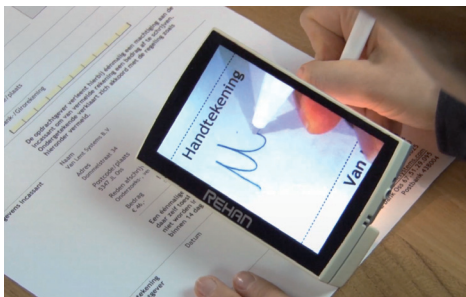
16.4 TV Connection (Looky4+ only)

The Looky4+ contains a TV-connector with which you can connect the Looky4+ to an external display. Simply connect the supplied video cable to the Looky4+ and the analogue video input of an external monitor or TV. Please ensure that the external monitor or TV is earthed for the best results.
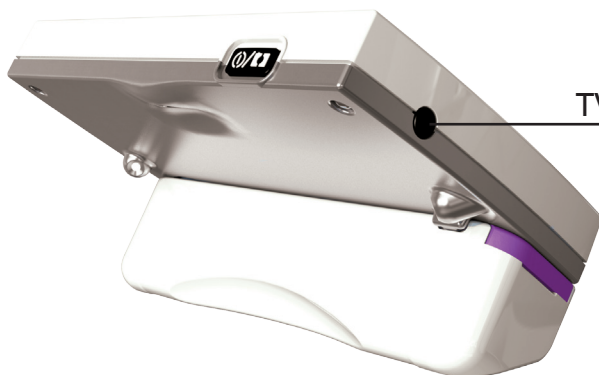
TV-connector

17. Writing with the Looky4

Fold the handle inwards and place it on the paper you want to sign.

18. Troubleshooting

If the following table does not offer a solution to your problem, please contact your distributor.

	Problem	Solution
1	No picture, dark or blurry image	• Switch the Looky4 on • Image is frozen, shortly press the ON/OFFbutton once • Switch the viewing mode to colour
2	Looky4 cannot be switched on	• Press the ON/OFF button to switch the Looky4 on • Charge the battery • Reinsert or replace the battery
3	Looky4 switches itself off within minutes, sounding a dual-pitched tone	• The Looky4 switches itself off if it does not detect movement on the screen for 3 minutes
4	Looky4 switches itself off within minutes with a single high pitched tone that fades away	• Charge the battery (See chapter 6 instructions for charging)

19. Hidden menu access

The Looky4 has a hidden menu consisting out of 5 sections where you can customize certain aspects of the Looky4 software to your liking.

To enter the hidden menu keep the On/Off button pressed for at least 4 seconds.
You can scroll through each section by swiping from top to bottom.
Swipe from right to left in order to access the mode.
To exit the hidden menu, press the On/Off button once.

19.1 Enabling/Disabling colour modes
By enabling or disabling colour modes in this section of the hidden menu you can determine which colour modes are available during basic use of the Looky4.
Please note that, regardless of which colour modes have been disabled, all colour modes can still be accessed via the Looky4 menu (see chapter 15.2.2).
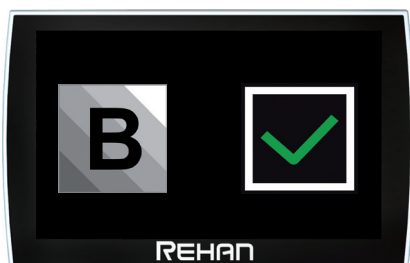
Tap the tick box to disable the selected colour mode.

Tap the cross box to re-enable the selected colour mode.

Note: the full colour mode cannot be disabled.

19.2 User interface option

The Looky 4 has 3 user interface options that the user can choose from: standard, basic or basic continuous. The standard user interface is explained in chapter 15. The basic user interface only contains the zoom, display mode and freeze image functions. The Basic Continuous user interface is the same as the basic user interface with the exception that it doesn't disappear automatically when the screen hasn't been operated in 2 seconds. Combined with the included masking sticker this can create an easier to use interface.
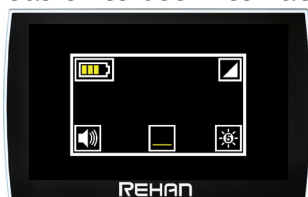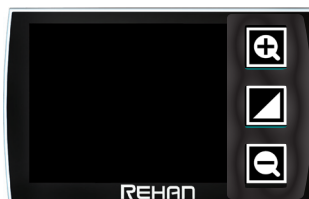

Standard   Basic   Basic Continuous

Applying the masking sticker

Take the supplied masking sticker from the backing sheet and place it with the rounded side to the right on the right side of the screen so that it exactly surrounds the buttons of the basic continuous-user interface.

19.3 Enable/Disable 3 minute auto shutdown

When the Looky4 does not detect movement for 3 minutes, it automatically shuts itself down to preserve battery capacity. This feature can be switched off in the hidden menu.
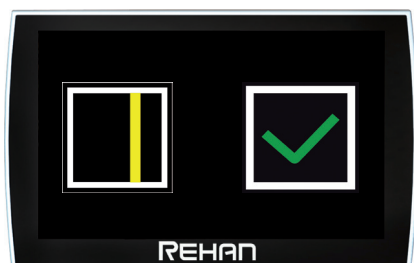
19.4 Enable/Disable reading lines

In this section you can choose whether to enable/disable the horizontal or vertical reading lines. Swipe from right to left to switch between the horizontal and vertical reading lines.

Tap the tick box to disable the horizontal reading line.

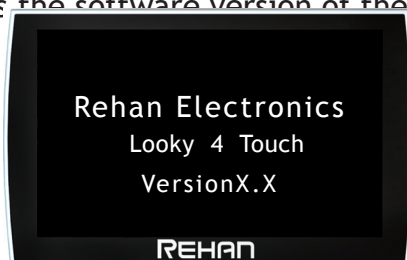Tap the cross box to re-enable the horizontal reading line.

Tap the tick box to disable the vertical reading line.

Tap the cross box to re-enable the vertical reading line.

19.5 Software information

This section shows the software version of the Looky4.

20. Specifications

Main specification
  Measurements   115 × 75 × 45 mm (l × w × h)
  Weight   210 grams (including battery)

Dislay
  TFT diameter   4,3" (11cm)
  Other specifications High brightness
                        Touch technology

Camera
  Minimum magnification 2x
  Maximum magnifitation 20x

Power supply
  Battery system   Replaceble battery (inside handle)
                        Lithium-Ion 2500mAh
  Adaptor   5VDC/2.1A

Conditions of use
  Temperature   +5°C till +35°C / 50°F till 95°F
  Air humidity   <70% (no condensation)

Time of use and charging time
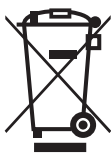 Time of use   Up to 2,5 hours
  Charging time   Approx. 4 hours

Package contents
  Looky4
  Battery handle (2500mAh)
  Charging adapter
  USB cable
  Travel pouch
  User manual
  Cleaning cloth
  Video cable (Looky4+ only)

21. Discarding the Looky4 or battery

This symbol of the crossed out wheelie bin indicates that the product must not be disposed of with your other household waste. Check local regulations for proper disposal of electronic products.

22. Warranty regulations

This device is subject to the warranty regulations of your supplier. For futher information regarding these regulations, please contact your supplier.

23. Regulations

Products with CE marking comply with EMC Directive (2004/108/EC), and the Low Voltage Directive (2006/95/EC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following standards:
EMC: EN 55022; EN 55024
FCC: part 15 Class B
Safety: EN 60950