COLOP®

digital

Operating and Maintenance Manual

e-mark

Electronic marking device

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1 INTRODUCTION

With the COLOP e-mark marking device you have a product that is exemplary in terms of safety for users and leading edge in terms of technology. In spite of this, the e-mark may be hazardous if used incorrectly or not as intended. We refer to potential hazards in *Section 2 'Safety'* and with safety notices throughout the entire documentation.

Preface

This original documentation is intended to assure safety-aware work on and with the product. It contains safety notices that must be followed! Everybody who works with the e-mark must have access to this documentation and must observe the relevant specifications and instructions. The documentation must always be complete and easily legible.

COLOP Digital GmbH is not liable for technical or printing-related defects in this documentation, nor will it accept any liability for damage caused directly or indirectly by the delivery, performance or usage of this documentation.

Identification

The product is clearly identified on the packaging.

CE mark in accordance with Directive 2014/35/EU (Low-Voltage Directive)

1.1 Legal details

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1.2 Liability

The details in this documentation describe the properties of the product without assuring those properties.

No liability is accepted for damages that arise from:

- unintended use of the product.
- failure to follow the documentation.
- improper work on and with the product.
- operating the product while in a defective condition.
- defective monitoring of parts of the product that are subject to wear.
- improperly conducted repair work.
- unauthorized modification of the product.
- natural disasters, the action of foreign bodies and force majeure.

1.3 Intended use

The COLOP e-mark, hereafter referred to as e-mark, is a battery-operated mobile marking device. The device can be operated by smartphone, tablet or stationary computer. It can make imprints directly on a variety of absorbent surfaces including paper or cardboard. The e-mark is suitable for making individual imprints and for occasional multiple use.

The multicolor ink cartridge (CMY) uses inkjet technology. Surface navigation and/or speed control is managed by an optical sensor. The marking content is sent to the device directly from an application (App) or computer software (SW). Transfer is via a WIFI connection from a smartphone or tablet or USB interface on a computer. Marking begins automatically if the e-mark is in print mode and the device is moved over the marking background by hand. If rotation or height of the device above the surface exceeds a maximum range, marking is interrupted. When returned to the normal range, printing restarts.

The e-mark must be returned to the docking station after each use. Several imprints can also be saved on the device so that it can be used without the App or software (offline mode). The rechargeable battery (supplied) is recharged using the power adapter (supplied). Only use original batteries and original replacement ink cartridges.

After extended periods between uses, the ink cartridge must undergo a cleaning cycle. The e-mark should be used at least once a month.

Target groups and previous knowledge

Users of the e-mark are non-professionals, aware of the hazards associated with using the device via the safety pictograms on the e-mark and instructions in the Quick Setup Guide and in this Operating and Maintenance Manual. Users are able to recharge the e-mark with the power adapter (supplied) and replace ink cartridges. Users are not authorized to carry out repairs on the product.

Inspection and maintenance and/or repairs must only be carried out by qualified electricians.

The content and purpose of this documentation

Users can download this original Operating and Maintenance Manual at www.emark.colop.com for information.

This documentation contains the relevant information for e-mark assembly, commissioning, operation, maintenance and disposal. This documentation is intended to ensure hazard-free work with the e-mark. Compliance with the instructions contained within this document enables hazard-free working and avoids damaging the e-mark.

Limits of use

The limits of use for the e-mark are defined as follows:

- The device is intended for use in enclosed, clean and dry areas (offices, warehouses, private residences)
- Horizontal place of use on level, firm ground
- Ambient temperature: +15 °C to +35 °C
- Humidity range 5 % to 100 % (storage 5 % to 80 %)
- The e-mark is a marking device to stamp imprints sent via a software application
- It can mark directly onto a variety of absorbent surfaces including standard paper, cardboard, fabric, wood, cork, dry wall, high-gloss paper, photo paper and other surfaces with special coatings.
- The e-mark is fitted with an LED light strip.
- The rechargeable battery of the e-mark is recharged using the power plug.

1.4 Principle

This product incorporates state-of-the-art technology and complies with applicable health and safety regulations. Nonetheless, the following hazards can arise as a result of incorrect transport, improper use, or failure to observe the safety instructions contained in this Operating and Maintenance Manual or in the event of misuse:

- fatal or serious injury to users or third parties
- damage to the product and other items of capital equipment
- impairment to the efficient operation of the product

2 SAFETY

This documentation is structured in accordance with valid EU directives and contains safety notices. The user of the e-mark is responsible for complying with safety-related information in this documentation.

This Section contains a general description of the warning and safety instructions, and important safety notices.

2.1 Signal words used in safety notices

DANGER!	A safety notice with the signal word **DANGER** points to **an immediately threatening hazard** to the life and limb of people! *This signal word denotes a hazard with a high level of risk which, if not avoided, can result in death or serious injury.*
WARNING!	A safety notice with the signal word **WARNING** denotes a **dangerous situation** that could cause personal injury (of a serious nature) and may also cause damage to items of capital equipment! *This signal word denotes a hazard with a moderate level of risk which, if not avoided, can result in death or serious injury.*
CAUTION!	A safety notice with the signal word **CAUTION** denotes a **potentially hazardous situation** that can result in slight injuries or damage to items of capital equipment! *This signal word denotes a hazard with a low level of risk which, if not avoided, can result in minor or moderate injury.*
NOTICE	A safety notice with the signal word **NOTICE** denotes a situation that could result in damage to items of capital equipment! *This signal word denotes a hazard which, if not avoided, can result in damage to items of capital equipment or damage to the device.*

2.2 Symbols used in safety notices

	General warning symbol, this symbol warns of **risks of injury**. Follow all measures designated with this warning symbol to prevent serious or fatal injuries!
	This safety notice draws attention to **the possible hazards of electrical voltage**.
	This safety notice draws attention to **possible hazards of hot surfaces**!
	Reference to the obligation to read the Operating Manual!
	Danger symbol for environmentally hazardous substances
	Notice relating to additional information and/or to cross references!

2.3 Residual hazards

Even when the greatest care and attention is paid to the design and build of the product, and when full account is taken of safety-related factual content, residual hazards can still exist. These need to be evaluated in a risk assessment.

DANGER!

Hazard from electric shock. There is a risk of a fatal electric shock in wet conditions.

Never handle the charger mains plug with wet hands. Never use the device in humid areas. Never expose the battery and charger, including USB port, to water and/or rain.

WARNING!

Danger of suffocation from plastic film.

The packaging is not a toy. Dispose of packaging materials immediately and in an environmentally appropriate manner.

WARNING!

Risk of asphyxiation from small parts for children below the age of three.

The device is not a toy. Do not leave children alone with the device unsupervised.

WARNING!

Hazard from cleaning.

NEVER use inflammable substances near the e-mark. This may cause a fire or an electric shock.

Cleaning the outside of the e-mark:

- Ensure that the mains cable of the e-mark charger has been removed from the socket and the device is switched off.
- Use neutral cleaning agent. Using liquids such as thinners or petrol damages the outer surface of the e-mark.
- Do NOT use cleaning agents containing ammonia.

WARNING!

Hazard from damaged electrical components or damaged insulation.

In the event the device, housing or insulation is damaged, stop using the device and have it tested and repaired by an electrician or the manufacturer's customer service.

WARNING!

Hazard from rechargeable batteries (short-circuit, overheating, fire).

- Do not expose lithium batteries to heat, cold or water (do not leave in direct sunlight or charge or store outdoors).
- Do not (forcibly) open or expose to large impacts or shocks.
- Only use charging systems as recommended by the manufacturer.
- The manufacturer's safety instructions must be complied with throughout the entire disposal process.
- Battery contacts (outside the device) must not come into contact with metallic objects such as coins or keys to prevent a short circuit.
- The marking device and/or rechargeable battery must never get wet.
- Burning batteries can cause blow-outs, causing a battery to be blown away. Battery fires give off extremely thick, particularly toxic smoke.
- Following extended periods in storage or before taking to a collection point, the poles on lithium rechargeable batteries should be covered with adhesive tape to prevent short circuits. Maximum protected storage, e.g. in the original packaging and quick deposit in a collection point are recommended.
- Visually damaged, overheated or blown out batteries must not be reused and must not be stored in the house, flat or garage.

WARNING!

Hazard posed by improper use.

Read the Operating Manual before switching on the device. Pay attention to all safety notices. The Operating Manual must be kept!

CAUTION!

Hazard from hot surfaces.

Immediately after using the e-mark, certain parts can be hot. Do not touch the print head on the underside of the marking device. Leave to cool before replacing.

CAUTION!

Hazard from hot surfaces.

Pay attention when cleaning the print head. Never touch the print head directly.

CAUTION!

Possible hazard from substances, slight eye and skin irritation from ink.

Do not direct the print head towards the eyes, face or skin. Do not open the ink cartridges. Do not swallow! Keep ink cartridge out of the reach of children.

CAUTION!

Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

NOTICE

Always return the e-mark to the docking station to prevent the print head from drying out and damaging the e-mark.

NOTICE

Packaging materials (paper, plastic) must be disposed of separately. Dispose of components of the device in accordance with legislative stipulations. Dispose of materials separately and recycle as much as possible.
Electrical components of the product must be sent for recycling as waste of electrical or electrical equipment. Dispose of batteries at collection points in accordance with legislation.

NOTICE

The electrical components of the product must be sent for recycling as waste of electrical or electronic equipment.

2.4 General safety instructions and provisions

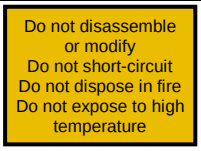
Without exception, observe the following safety provisions and obligations when working at or on the product:

- Always operate the product in operationally perfect and clean condition.
- It is prohibited to convert or modify the product.
- Faults must be remedied immediately.
- Always use genuine spare parts for repair work or when replacing damaged components.
- Always pay careful attention to the safety notices and operating instructions.

2.5 Safety notice panels on the product

Safety notice panels are fitted to the product to draw attention to potential hazards. Always pay attention to and comply with the safety designation instructions on the product. During the service life of the product, if the safety designation label fades or gets damaged, you must shut down the product.

The pictograms for warnings, prohibitions and stipulations on the product, together with their meaning:

Pictograms	Location	Designation	Description
	Underside Marking device	Warning: hot surface.	The print head surface may become hot. Do not touch the print head!
	Underside Marking device	Prohibition: Do not touch.	Do not touch the print head!
	Battery, cartridge, e-mark	Indications on disposing of electronic waste	Dispose of the appliance in accordance with legislation and recycle wherever possible.
	Battery	Indications on handling batteries	Do not disassemble or modify, do not short-circuit, do not dispose in fire and do not expose to high temperature

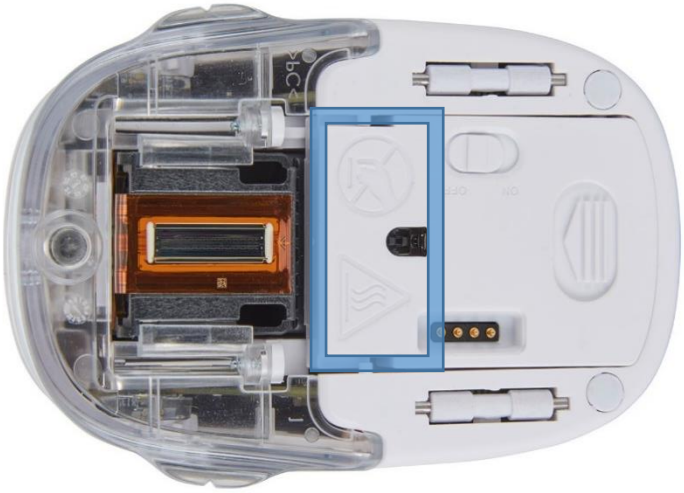


Fig. 1: Safety instructions on the underside of the e-mark

3 DESCRIPTION

The following chapter presents an overview of parts, assembly and function including technical specifications and product components.

3.1 Scope of supply

The packaging of the e-mark contains the marking device with rechargeable battery (1), docking station (2), charger and cable (3), ink cartridge (4), USB cable (5) and the Quick Setup Guide (6).
The marking device comprises the housing with top section that can be opened (access to compartment for battery and ink cartridge), an on/off switch on the underside, a micro USB port, an LED light guide, sliding wheels on the underside for stable movement, 3 magnets for secure docking, contacts for charging on the docking station, a light sensor for position guiding, a WIFI module.
The docking station comprises a charging socket for the power adapter, contacts for charging the e-mark, rubber lips and flap to prevent the ink cartridge from drying out, an opening to access the on/off switch on the e-mark when docked, non-slip pads and an extendible wiper to wipe the underside of the ink cartridge.
The rechargeable battery is supplied with a plastic cover on the contacts. This prevents short-circuiting the contacts during transport. This cover must be removed before use.
The ink cartridge is packaged separately and must be inserted before use.

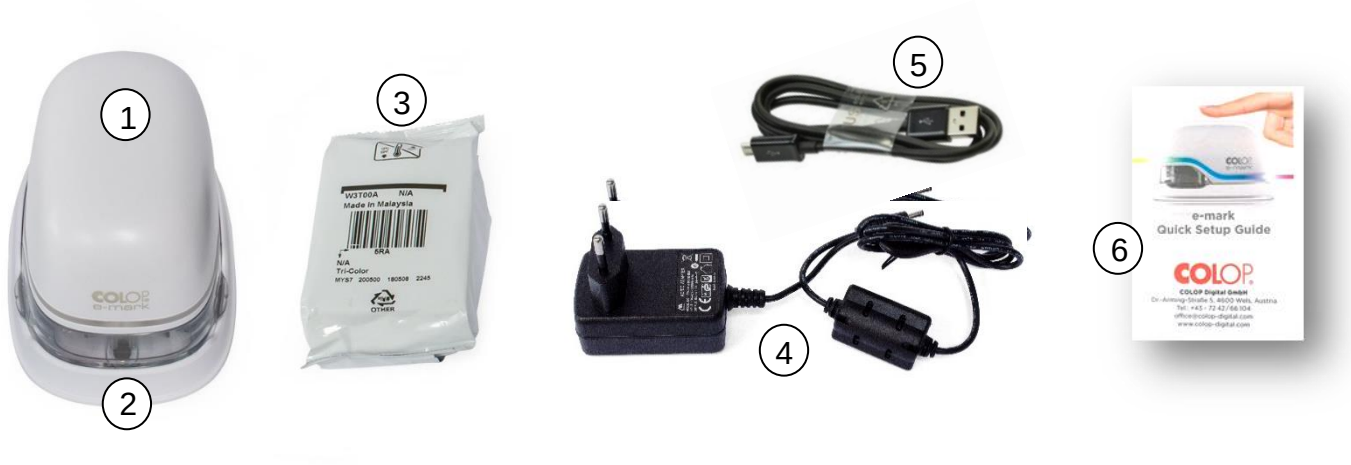


Fig. 2: Package content

3.2 Components

The following section contains an overview main components of the e-mark:

Fig. 3: e-mark parts

Main constituent elements			
No.	**Description**	**No.**	**Description**
(1)	Docking station	**(4)**	Battery
(2)	Electronics compartment	**(5)**	Ink cartridge
(3)	Cover		

3.3 Layout

Marking device:

Underside

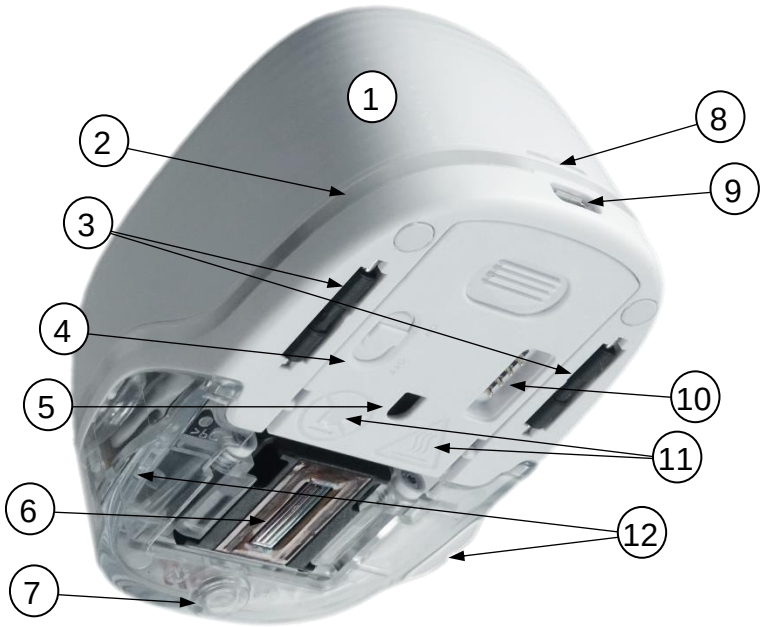
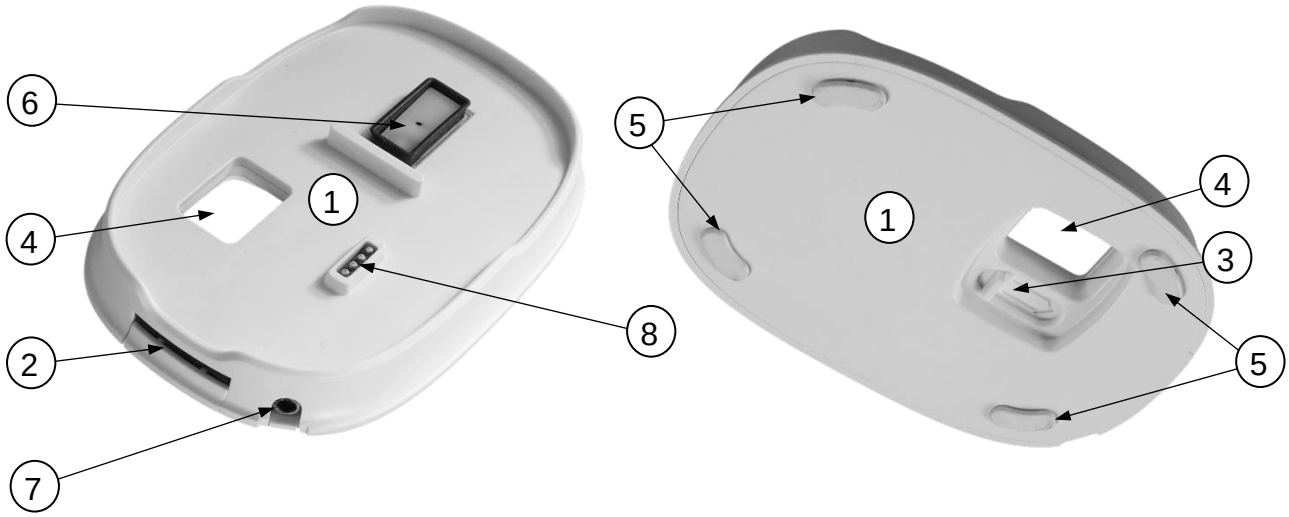


Fig. 4: Marking device assembly

Main components of the e-mark			
No.	**Description**	**No.**	**Description**
(1)	Cover	**(7)**	Magnet
(2)	Light guide	**(8)**	Cover opening
(3)	Sliding wheels	**(9)**	USB port
(4)	On/off switch	**(10)**	Contacts (docking station connection)
(5)	Position sensor	**(11)**	Safety indications
(6)	Print head	**(12)**	Print position display lug

Docking station:



Top section Underside

Fig.5: Docking station assembly

Main components of the docking station			
No.	**Description**	**No.**	**Description**
(1)	Docking station	**(5)**	Non-slip feet
(2)	Print head wiper	**(6)**	Protective cap to prevent print head from drying out
(3)	Slider to extend the print head wiper	**(7)**	Charging socket
(4)	Opening for the on/off switch	**(8)**	Battery contacts

3.4 Technical specifications and dimensions

Technical specifications of the e-mark	
Weight	224.5 g (approx. 450 g incl. packaging)
Dimensions L x W x H	111.2 x 76.5 x 72.7 mm
Rechargeable battery (3 cells, each 3.7 V)	11.1 V Li-Ion with min. 600 mAh
Power consumption while operation with battery supply	Max. 10 W
Power consumption while battery is charging (WIFI activated)	15 V, 400 mA
WIFI interface	WIFI IEEE 802.11bgn
USB interface	Micro USB
Optimum print speed	100 mm/s
Maximum print speed	300 mm/s
Print quality	600 dpi
Protection class	III, Extra low voltage
Mains connection charger	100-240 V, 50/60 Hz
Print head 3-colour (cyan, magenta, yellow)	COLOP 3-color Ink Cartridge C2P06AE
Storage temperature range	-40 °C to 60 °C
Operating temperature range	15 °C to 32 °C
Non-Operating humidity range	20 to 80 %
Print on absorbent surfaces such as	Plain paper, cardboard, fabric, wood, cork, dry wall, high-gloss paper, photo paper

Range:

The range of an ink cartridge is dependent on several factors, including size and coverage of the imprints. An ink cartridge lasts approximately 5,000 imprints (14 x 100 mm test imprint) in normal use and self-cleaning frequencies before replacing.

The lithium ion rechargeable battery lasts for up to 5 hours of continuous printing and can be recharged approximately 1,000 times. Battery charging takes up to 2.75 hours from 0 % to 100 %.

Fig. 6: Reference imprint 14 x 100 mm

Surfaces:

The e-mark can print directly onto a variety of absorbent flat surfaces including standard paper, cardboard, fabric, wood, cork, dry wall, high-gloss paper, photo paper and other surfaces with special coatings.

3.5 Operating systems

The COLOP e-mark App is available for mobile devices using Android and iOS, as well as for Windows PCs, and is compatible from the following versions:

- Android 5.0
- iOS 11
- Windows 7

There may be issues with previous versions and certain functions may be limited.

4 INITIAL OPERATION

This chapter explains using the e-mark for the first time and includes unpacking, visual inspection, assembly, switching on and performance testing the e-mark.

4.1 Transport and unpacking

When transporting the product, please note the following points:

NOTICE

Battery contacts are protected against short-circuits with insulating plastic tape. The plastic tape must be removed before using for the first time (*see chapter 4.2*).

NOTICE

The ink cartridge is packaged separately. It must be inserted before using for the first time (*see chapter 4.2*).

Unpacking

Carefully remove the e-mark from the packaging. Keep the original packaging for storing or transporting the e-mark. Dispose of other packaging materials appropriately. Never let children play with the packaging or with parts of it, since there is a risk of asphyxiation from small parts or plastic film.

WARNING!

Danger of suffocation from plastic film. Risk of suffocation from small parts for children below the age of three.

The packaging is not a toy. Dispose of packaging materials immediately and in an environmentally appropriate manner.

Preparing for transport

Preparing the e-mark in its original packaging for transport. See below before sending or transporting the e-mark:

1. Remove the rechargeable battery (*see chapter 4.2*).
2. Protect the battery contacts against short-circuit with insulating tape.
3. Return the battery back to the housing.
4. Return the e-mark to the original packaging (1) and secure it with the foam ring (2).

Fig. 7: Packaging

4.2 Assembly and switching on

Check the following points before commissioning:

Visual inspection:

- Ensure that the Quick Setup Guide is legible, and is available in full.
- Are all product parts present (*see chapter 3.1*)?
- Are all parts required for assembly present?

- Is the product damage-free? Look for any deformations and cracks on the housing, cable damage, in particular.
- Are the USB cable and connection OK?
- Are the charging cable, mains plug and charging socket OK?

The product must not go into operation if it has any visible defects or signs of damage.

Commissioning

- Remove the e-mark from the packaging.
- Remove the mains plug and separate ink cartridge packaging (print head and container with 3 ink colors) which are under the inner base of the packaging.
- Open the e-mark cover and remove it.

Fig. 8: Opening and removing the cover

- Remove the battery from the battery compartment.
- Press the lever on top of the battery to the rear

Fig. 9: Opening the battery compartment and remove battery

- Lift the battery
- Remove the tape from the battery contacts and dispose of responsibly.

Fig. 10: Battery contact insulating tape

- Pull down the lower flap.
  - Slide the underside of the e-mark in the direction of the arrow.
  - Press the panel downwards at an angle.

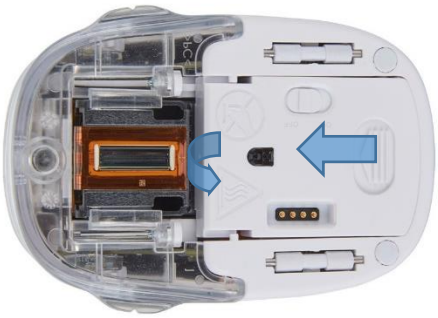


Fig. 11: Opening the sliding panel

NOTICE

Always press open the lower panel first, otherwise the ink cartridge cannot be removed or inserted without damaging the e-mark!

- Remove the ink cartridge from the packaging and dispose of the packaging responsibly.
- Pull off the strip from the print head and dispose of responsibly.

Fig. 12: Ink cartridge

- Insert ink cartridge
  - Press towards the front end of the compartment.
  - Cartridge snaps in.

Fig. 13: Insert ink cartridge

- Close lower flap cover
  - Close the cover (click).
  - The cover moves against the spring into the closed position.

Fig. 14: Close lower flap cover

- Insert battery
  - Push towards the ink cartridge.
  - Press the battery forward until the lever on the top snaps in.

Fig. 15: Insert battery

- Close cover.
- ALWAYS place the e-mark in the docking station.

NOTICE

ALWAYS place the e-mark in the docking station after use. Otherwise, the ink cartridge head dries out, affecting print quality. A warning signal sounds if the e-mark is switched on and not placed in the docking station immediately. Return the e-mark to the docking station. If the e-mark is switched off, NO warning signal sounds, but the e-mark should always be placed in the docking station even if switched off.

Download and run the App, see below.
A QR code and link to the App-Download are provided on the Quick Setup Guide.

Set up the WIFI connection, see below.

Performance test:

- Is the battery properly inserted and can the battery be charged with the external charger (for more details on charging, *see chapter 6.1*)?
- Does the LED light work (color code *see chapter 5.3*)?

SSID and password for establishing the WIFI connection are displayed on the Quick Setup Guide and are saved as image on the e-mark.

- Does the print function work?
- For more details on making a test imprint, *see chapter 5.2*.

4.3 Software

Download the App and install on the mobile device or computer, *see chapter 5.6*.
https://getemarkapp.colop.com/

4.4 WIFI connection

Setting up the connection using the App wizard, *see chapter 5.7*.
The SSID and password are automatically saved as an image on the e-mark and can be found in the Quick Setup Guide (remember the password or save it in a secure location. The password can be changed in the software).

Fig. 16: Example test imprint with SSID and password

If you are having trouble in setting up a connection, refer to the troubleshooting chapter (*see chapter 6.4*) or visit our homepage and see the FAQ (Frequently Asked Questions).
Homepage www.emark.colop.com/faq

5 OPERATION

The product is designed for printing stamp templates and marking.

Online mode: The e-mark is controlled using software. Imprints can be loaded or created via the software, transferred to the e-mark and then printed. The software application (App) displays status symbols for the e-mark, including battery charge level, ink level, cleaning cycle request etc. Details can be found in the software description.

In **offline mode** the e-mark is ready to print previously uploaded images at any time. Operating modes are displayed via the light guide *(see chapter 5.3*). Every printing operation follows these steps in the sequence below:

1. Switch on and wait until ready (Light Guide, *see chapter 5.3*).
2. Take the e-mark out of the docking station.
3. Wait until completion of the automatic self-cleaning cycle (*see chapter 5.4*).
4. Place onto the paper (or the printable background) and slide to the right or left (*see chapter 5.2*).
5. Printing starts and a signal sounds when the end position is reached.
6. Return the e-mark to the docking station immediately.

If the print quality is unsatisfactory, complete a manual cleaning cycle (wiping, *see chapter 5.5).*

NOTICE	
	ALWAYS place the e-mark in the docking station after use. Otherwise, the ink cartridge head dries out, affecting print quality. A warning signal sounds if the e-mark is switched on and not placed in the docking station for a certain time. Return the e-mark to the docking station immediately. If the e-mark is switched off, NO warning signal sounds, but the e-mark should always be placed in the docking station even if switched off.

Sleep mode:

If the e-mark is switched on and is not used for 3 minutes, the device goes into sleep mode. If the e-mark is placed in the docking station, it automatically goes into sleep mode.

Warning mode:

If the e-mark is not in the docking station and is not used for one minute, a warning signal sounds to prevent the print head from drying out. The Light Guide (*see chapter 5.3*) flashes red and a warning signal sounds. Please return the device to the docking station immediately.

5.1 Image transfer

To transfer standard templates or customized imprints to the e-mark, refer to the software description.

Prerequisites:

If not connected by the USB cable:

- The e-mark is connected via WIFI to the mobile device (*see chapter 5.7*).
- The Light Guide displays a steady blue light confirming a WIFI connection.
- In the App, the WIFI symbol confirms a WIFI connection.

Or if connected by the USB cable:

- The e-mark is connected by USB cable to the computer (*see chapter 5.8*).

Image transfer:

Refer to the software description for details.

Acoustic and optical signals:

- During image transfer to the e-mark, the Light Guide (*see chapter 5.3*) flashes blue continuously and a long signal sounds when the transfer is complete.

NOTICE

Saving the image file can take several seconds. Do not switch off the e-mark before you hear the double beep confirming the saving process has been successful, otherwise saving is interrupted.

Image saving:

The e-mark takes time to save the newly transferred image to the internal Flash memory. During the saving time, the Light Guide (*see chapter 5.3*) displays a continuous purple flashing LED. Do not switch off the e-mark during the saving process, otherwise the image will not be saved correctly. A brief signal sounds at the end of the saving process.

5.2 Marking

Switch on the e-mark (in the docking station) by sliding the switch from OFF to ON. The Light Guide shows that the e-mark is powering up (flashing green LED).

The e-mark is held in the docking station by magnets.

Switch on the e-mark by sliding the switch from the OFF to the ON position.

Fig. 17: On/off switch

Wait until the Light Guide indicates that marking can begin (back left green light on continuously).
Remove the e-mark from the docking station.

Fig. 18: Remove e-mark from the docking station

An automatic self-cleaning process starts when removed from the docking station (*see chapter 5.4*). Then place the e-mark on the background to be marked.
Marking can be done from right to left or from left to right.
The e-mark automatically detects the direction of movement (indicated by a white LED to the right or left) and starts printing. A signal sounds when printing is complete (end position reached).

Use the e-mark for marking as follows:

- Position the e-mark with the lugs on the left edge of the selected printing area. The recesses in the lugs indicate the middle of the printing area.
- Move the e-mark slowly and in a straight line from left to right over the background. Optimum printing speed is 10 cm per second.

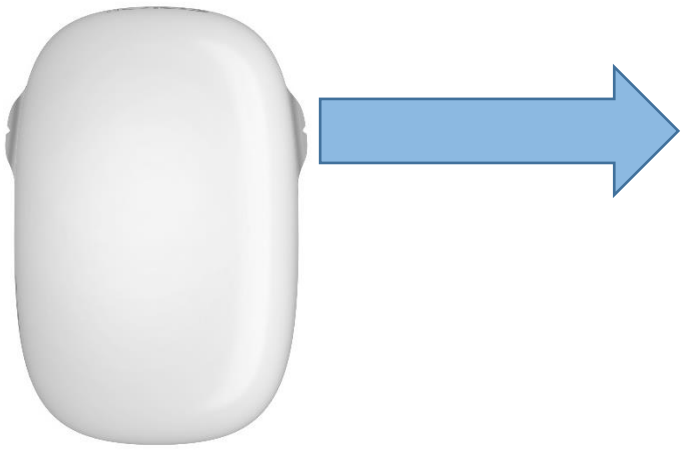


Fig. 19: Marking from left to right

- Position the e-mark on the right edge.
- Move the e-mark slowly and in a straight line from right to left.

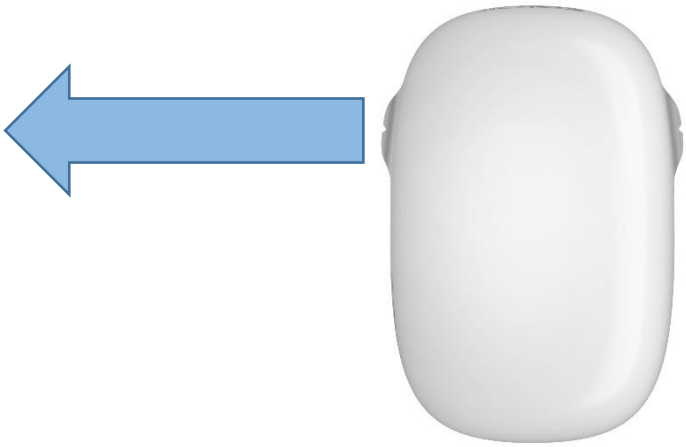


Fig. 20: Marking from right to left

- When the end position is reached printing stops and a signal sounds.
- Return the e-mark to the docking station immediately after printing.

Changing imprints stored on the e-mark:

The last imprint that was sent to the e-mark, is always stored on the green position (green LEDs on the side of the e-mark). In addition, three further imprints can be stored permanently on the e-mark. These can be selected in the App (“Imprints on e-mark”) and can be deleted or exchanged any time. The imprints are indicated in the App by different colors which match the colors of the LEDs of the light pipe on the side of the e-mark. Thus, four imprints can be used even without connection to the App.
There are two possibilities to make one of these imprints that are stored on the e-mark. The respective imprint can either be chosen in the App or you can tap twice double on top of the e-mark (four times in total) to change between imprints. This functionality works best when the e-mark is in the docking station. The color of the light pipe changes (from green to blue, pink or orange) and after a short loading

time and acoustic signal the imprint can be made. Be aware that the colors do not change if no imprints are saved on the device.

Notice: To make use of the automatic date, time or numbering function the e-mark needs permanent connection to the App. Therefore, imprints with such functions cannot be stored on the e-mark, because they cannot be updated automatically.

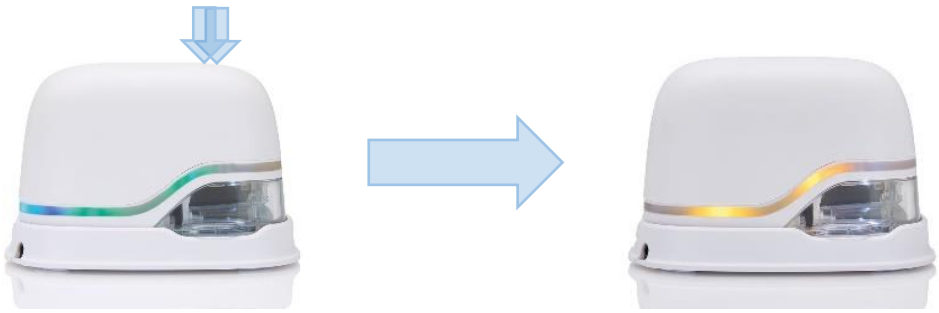


Fig. 21: Light pipe changes from green to yellow (indicating one of the stored imprints as active position)

Multi-line imprint option:

The e-mark can also make 2-line or 3-line imprints. Proceed as follows:

1. Starting from the left, move the e-mark to the right until the signal sounds, indicating the end of the line has been reached.
2. Then move the e-mark downwards until the signal sounds, indicating the next line has been reached.
3. Move the e-mark to the left until the signal sounds, indicating the end of the second line has been reached.
4. and 5. For another line, repeat steps 2 and 1 until the signal sounds, indicating the end of the third line has been reached (6.).

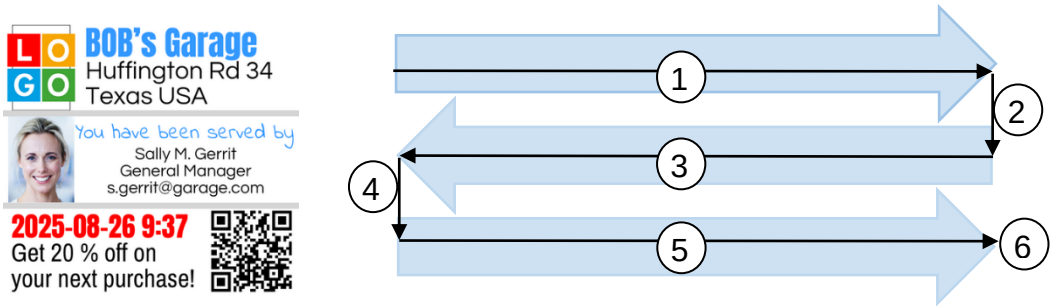


Fig. 22: Multi-line imprint procedure

Fig. 23: Place into docking station

NOTICE

ALWAYS place the e-mark in the docking station after use! Otherwise, the ink cartridge print head dries out.

If the e-mark is switched on and is not placed in the docking station for one minute, a warning signal sounds and the Light Guide displays a flashing red warning light. A warning is also displayed in the App interface in online mode. Return the e-mark to the docking station.

If the e-mark is switched off, NO warning signal sounds. Even when switched off, the e-mark must always be placed in the docking station, otherwise the ink cartridge print head dries out, considerably affecting print quality or it may be damaged.

NOTICE

Recommendation: Always place the e-mark in the docking station first and then switch it off.

5.3 Light Guide and symbols

Fig. 24: Light Guide

Light Guide: Direction of the RGB LEDs and white bright light LEDs

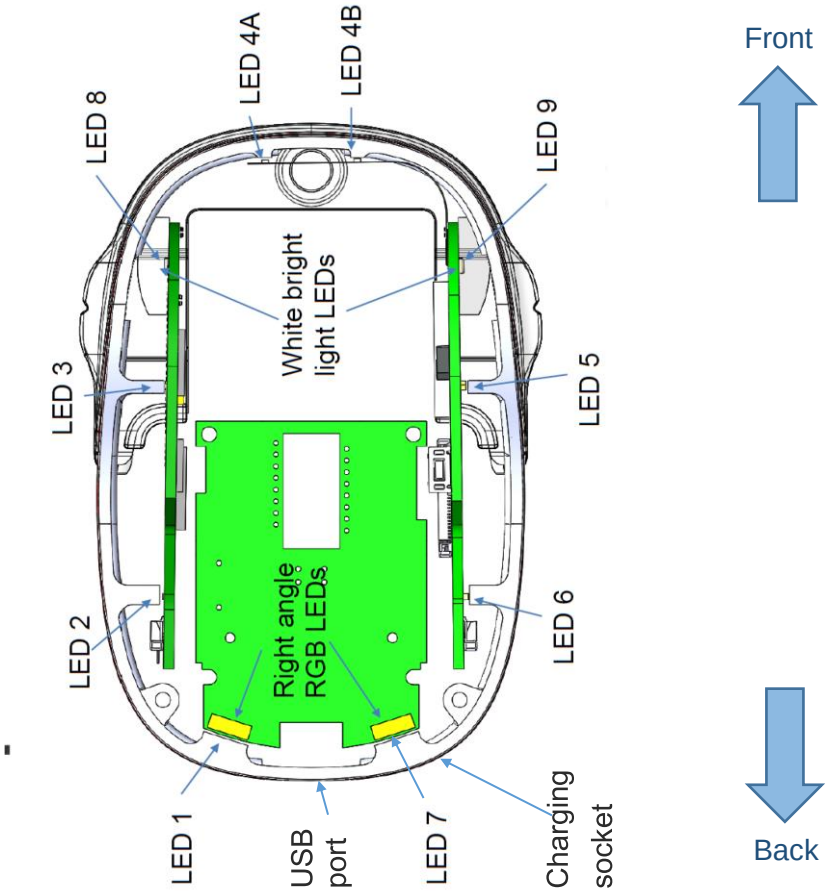


Fig. 25: Light Guide directions

The color LEDs 1 to 7 (right angle RGB LEDs) on the Light Guide indicate the e-mark operating modes depending on the color, light position and light pattern (see table on the next page).

The white bright light LEDs 8 and 9 indicate the movement direction and light up through the viewing window rather than the Light Guide.

Light Guide and signal tone table:

Color code, flashing code, direction code and signal tones

Light Guide		**Designation**	**Description**
LED1 + 7	Continuous green light next to the charging plug (LED7 shines blue if WIFI connection is established)	Charge indicator light	The battery is fully charged (100%), the charging plug is still connected
LED7 → 1 + 6	Green flashing around the charging socket (0.7 s, continuously) LED7 shines blue if WIFI connection is established	Charge indicator light	The battery is charged (between 50% and 99%)
LED7 → 1 + 6	Yellow flashing around the charging socket (0.7 s, continuously) LED7 shines blue if WIFI connection is established	Charge indicator light	The battery is charged (between 0 % and 49 %)
LED1	Continuous green light next to the charging socket indicates a sufficient battery level	Battery level indicator (sufficient)	The battery level is between 25 and 100 %
LED1	Continuous yellow light next to the charging socket indicates a low battery level	Battery level indicator (low)	Battery level is between 10 and 24 % The device needs to be charged soon
LED2+5 → 7	Red flashing on the side direction charging plug continuously	Low battery charge	The device must be charged (*Chap. 6.1*), battery charge lower than 10%
LED 3+4+5	Short red flashing (0.2 s, every 1 s) forwards area	Low ink cartridge level	The ink cartridge must be changed (*Chap. 6.2*), ink level lower than 10%
LED3+5, LED4	Alternate red flashing (0.5 s) center and side in forwards area	No ink cartridge inserted	The ink cartridge must be inserted (correctly) (*Chap. 4.2*)
LED3+5, LED4	Alternate yellow flashing (0.5 s) center and side in forwards area	Wrong ink cartridge inserted	The right ink cartridge must be inserted (*Chap. 6.2*)

Light Guide		Designation	Description
LED1 - 7	All LEDs light up blue (1 s) and a long signal sounds, LED 1 and 7 light up blue (1 s)	WIFI connection	The WIFI connection has been established
LED7	LED7 lights up blue	WIFI connection	The WIFI is connected
LED1 → 7	Continues blue flashing, long signal tone at the end	An image is being transferred	An image is being transferred to the e-mark via WIFI. A long signal sounds when transfer is complete
LED1-7	Short red double flashing of all LEDs with simultaneous rapid double signal tone (every 1 s)	Warning: the cartridge is drying out	The e-mark must be returned to the docking station immediately
LED9	White continuous light LED 9	Sleep mode	The e-mark has gone into sleep mode automatically
LED1 → 7	Continuous green flashing followed by continuous white flashing. Short signal sounds at start and long signal sounds when complete (approx. 6 s)	Power up when switched on or leaving sleep mode	The e-mark is powering up or has left sleep mode for normal mode. A signal sounds when complete.
LED 8 + 9	White continuous light on both sides. Short signal sounds when complete	Marking to the left/right	The light helps to see the imprint better through the transparent part in the front while printing
LED 3	Short green flashing light left Becomes a continuous green light when printing is interrupted	Marking to the right	Marking to the right. A short signal sounds when the end of the image has been reached If continuous light: Printing can continue
LED 5	Short green flashing light right Becomes a continuous green light when printing is interrupted	Marking to the left	Marking to the left. A short signal sounds when the end of the image has been reached If continuous light: Printing can continue
LED 1	green continuous light	Ready for marking	e-mark has been removed from the docking station and powered up

Symbols in the App:

Symbol	Designation	Description
	WIFI symbol	Excellent WIFI connection to the e-mark
	WIFI symbol	Good WIFI connection
	WIFI symbol	Poor WIFI connection
	WIFI symbol	No WIFI connection
	Battery level display green	Battery level between 41 and 100%
	Battery level display yellow	Battery level between 20 and 40%
	Battery level display red	Critical battery level, below 20%
	Ink level display green	Ink level between 40 and 100%
	Ink level display yellow	Ink level between 20 and 40%
	Ink level display red	Critical ink level (below 20%)

5.4 Automatic cleaning cycle

Print head cleaning is required for optimum device performance. This can be run automatically and manually.

Print head cleaning:

A print head cleaning cycle is automatically activated when the e-mark is taken from the docking station. Ink drops in picoliter range (depending on the downtime) are released when the device is raised. These are dispersed as a thin mist in the air. This is necessary to ensure constant print quality. This process can also be found inside an inkjet printer. Do not rotate the e-mark directly after raising from the docking station. The automatic cleaning cycle is run when the e-mark is in a level position. No print head cleaning is completed for safety reasons if the e-mark is rotated more than 90°.

Do not touch the e-mark print head. Do not place on or immediately above light backgrounds or light surfaces or clothing – ink stains can be hard to wash out!

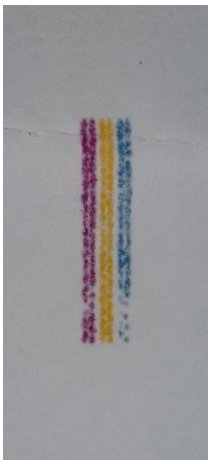


Fig. 26: Color sample released by automatic print head cleaning

Fig. 27: Do not direct towards eyes, face or skin. Light irritation possible

If ink gets into the print head rest pad, it can stick together. This may happen if the e-mark has just been removed from the docking station (print head cleaning is activated) and is returned to the docking station without marking. Always print on a suitable background after removing.

CAUTION!

Possible hazard from substances, slight eye and skin irritation from ink.

Do not direct the print head towards the eyes, face or skin. Do not open the ink cartridge. Do not swallow! Keep ink cartridge out of the reach of children.

The print head and housing must always be placed in the docking station when not in use to prevent drying out. The docking station contains a special pad with rubber lips to prevent drying out.

NOTICE

ALWAYS place the e-mark in the docking station after use! Otherwise, the ink cartridge print head dries out.

Recommendation: Always place the e-mark in the docking station first and then switch it off. If the e-mark is switched off, NO warning signal sounds, but the e-mark should always be placed in the docking station even if switched off.

5.5 Manual cleaning cycle

Wiping:

If printing quality drops and/or excessive ink can be seen on the print head, wiping is required. This cleans the print head.

Proceed as follows:

- Before starting the manual cleaning cycle, place the e-mark on paper which can be disposed of after the cleaning cycle.
- In the App settings, press "Start quick cleaning" to activate the print head cleaning.
- Slide the print head wiper out (wiper, rubber lip) on the underside of the docking station. A lint-free cloth can also be used, moistened with distilled water.

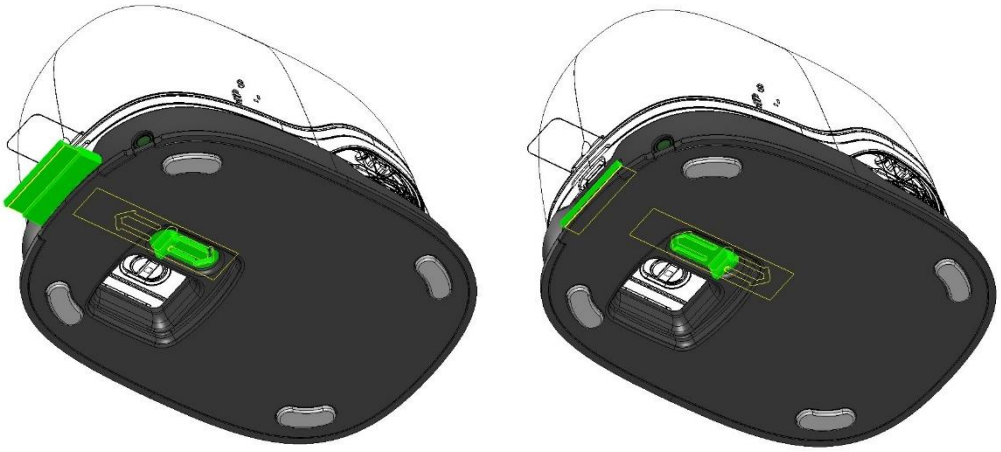


Fig. 28: Slide out print head wiper

- Carefully wipe the print head from back to front once with the print head wiper (or with the damp cloth) as shown in Fig. 29: Clean print head with wiper.

Fig. 29: Clean print head with wiper

- Place the e-mark on paper.
- Press "Start quick cleaning" again in the App.
- The e-mark is now ready for use again. A test image can be printed (*see chapter 5.2*) to test the print quality.

NOTICE

Do NOT wipe the print head with the wiper again after the second self-cleaning cycle, otherwise this will dry it out.

5.6 Software

After downloading the software and/or the application (App) from the App Store (Google Play Store or AppStore) or website (https://getemarkapp.colop.com/) and installing on your computer or mobile device (*see chapter 4.3*), you can start using the e-mark. The display on your device may differ from the one illustrated here. Button names may differ due to continuous improvement to the App. For manual configuration of the WIFI connection *see chapter 5.7*, and for connecting with the USB cable *see chapter 5.8*.

The software wizard helps you configuring your device:

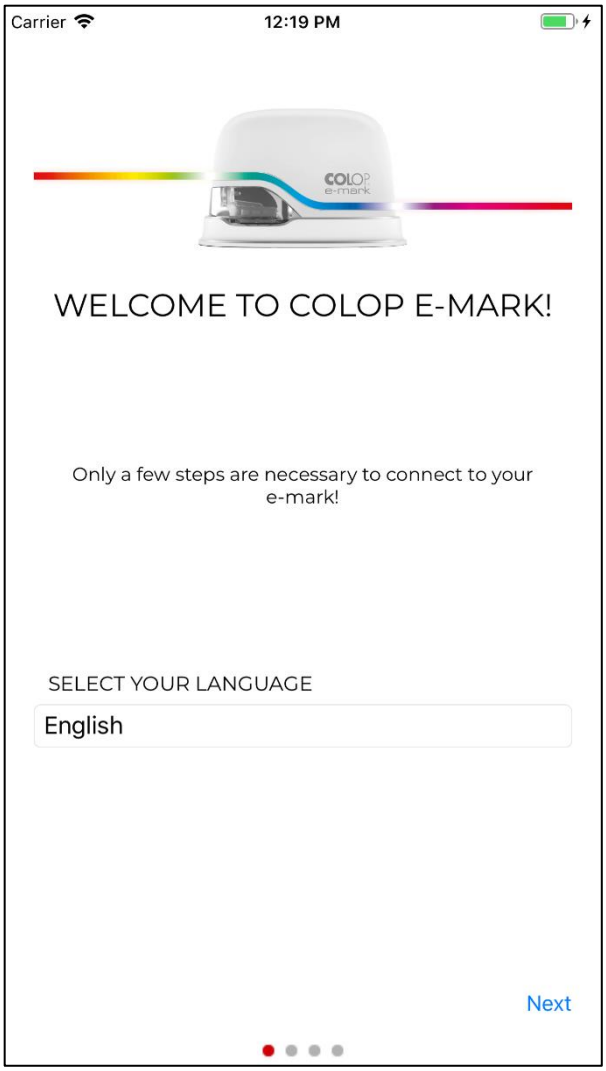


Fig. 31: Software wizard – Welcome page

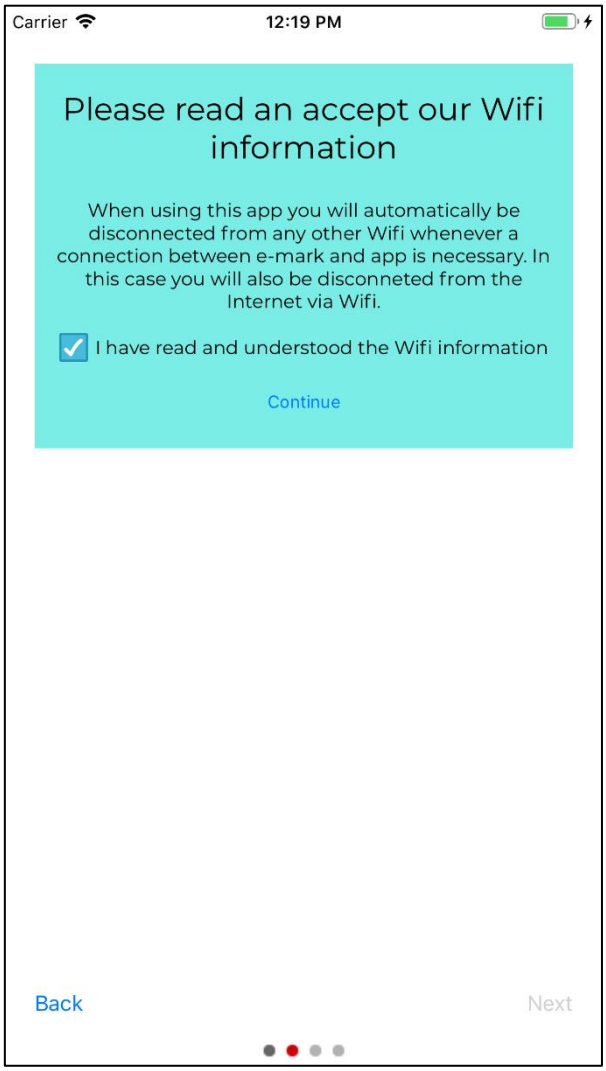


Fig. 30: Software Wizard – WIFI information

- Select a language and press “Next”.
- Confirm the WIFI information by clicking on the box and click press “Continue”.

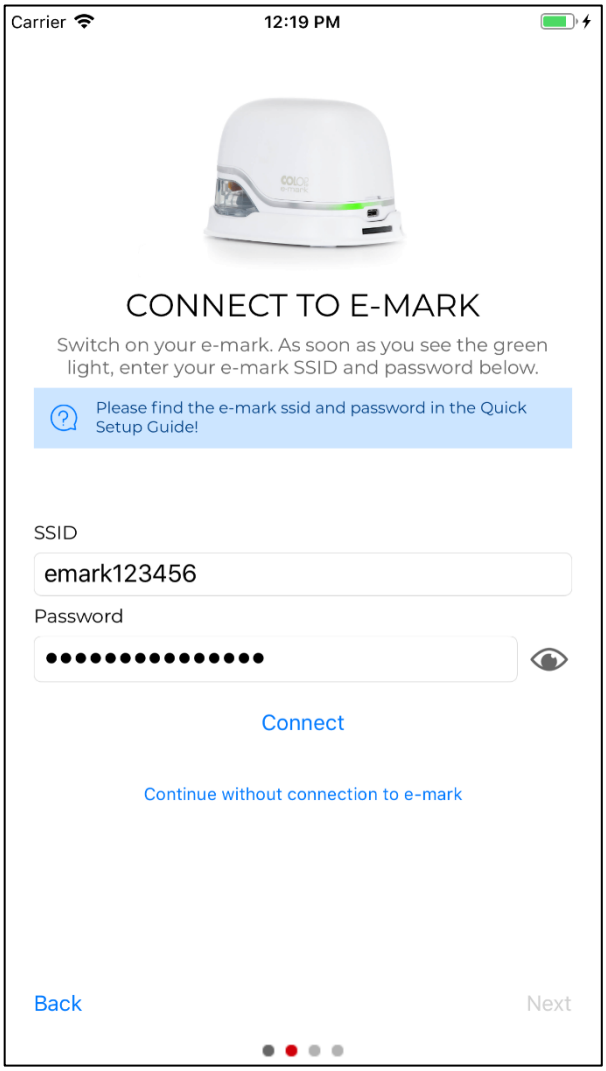


Fig. 33: Software wizard – Connection to e-mark

Fig. 32: Software wizard – Test imprint

Connect the e-mark via the WIFI interface. Enter the SSID and password and press “Connect” to set up the connection. The SSID and password can be found on the Quick Setup Guide in the packaging and have been saved as a test imprint on the e-mark. SSID stands for "Service Set Identifier" and provides information on the name of the WIFI network to your e-mark.

Press "Continue without e-mark connection" to continue without setting up the connection to the e-mark. The e-mark can also be used without connecting to the App (previous initial use still required through the App) or with a USB cable connection to a computer (*see chapter 5.8*).

- Then press “Next”.
- The e-mark is connected to your device via WIFI. A test imprint can now be made.
- Then press “Next”.

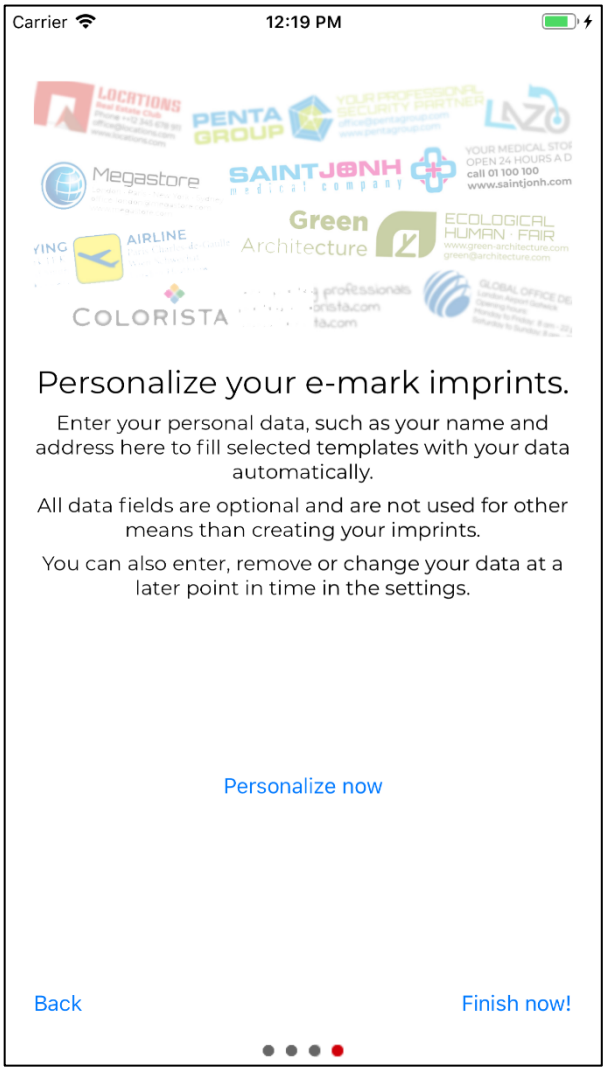


Fig. 35: Software wizard – personalization option

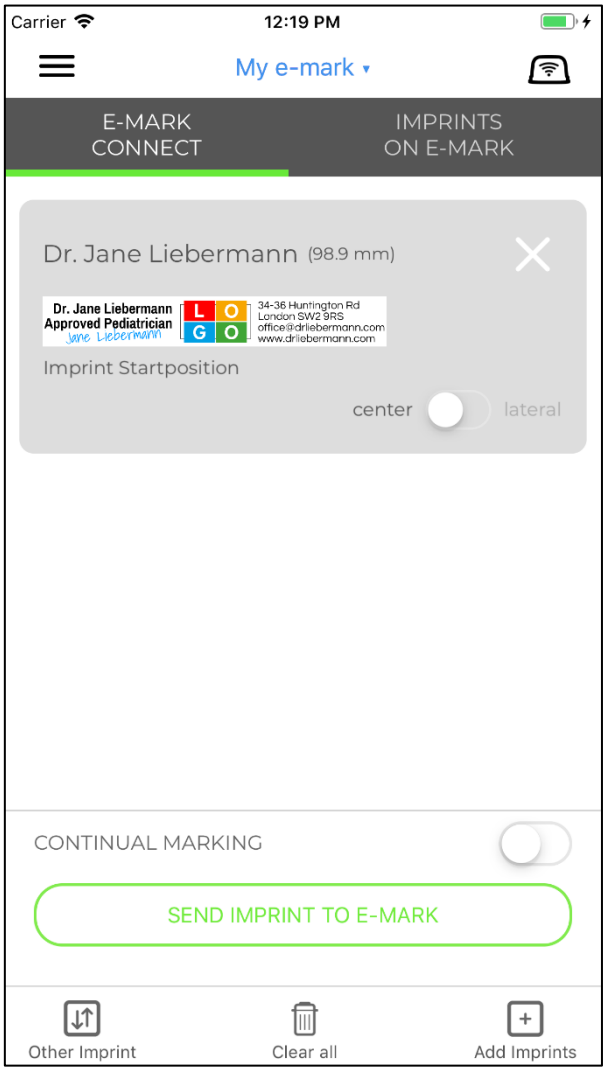


Fig. 34: e-mark connect page

Imprints can automatically be prefilled with your information. Enter names, addresses or other information to customize your stamp imprints. This information is not passed on to third parties and is used exclusively to customize your imprints.

To continue without entering information, press "Finish without personalization!".

The "e-mark connect" page is the App homepage. Imprints can be sent to the e-mark from here.
The "e-mark connect" tab shows the queue of markings which are ready to be sent to the e-mark.
Press "Send Imprint to e-mark" to send the imprint to the e-mark.
Press "Add Imprints" to add other markings to the queue.
Press "Clear all" to delete all markings from the view.
Press "Other Imprint" to replace the imprint(s) in the queue with another imprint.

The "Imprints on e-mark" tab contains the images saved on the e-mark and/or you can save up to 3 markings on the e-mark, which are then available in offline mode.

The "Start position lateral" setting precisely positions a marking using the lugs on the side of the e-mark (*see chapter 5.2*).
"Continual marking" prints a selected marking consecutively.

If the e-mark is connected, the battery status, ink level and WIFI connection quality are displayed. These displays can be called up using the e-mark symbol on the top right. The e-mark signal tones can also be switched on and off here.

5.7 WIFI connection

If instructions on the wizard are followed when installing the App, the WIFI connection is set up and the software automatically connects with the device when required. Several devices can also be added and one of them selected from a list.

In the event the connection set up via the App is unsuccessful, the WIFI connection can also be set up manually via the settings on a computer, smart phone or tablet. The e-mark must be switched on.
Select the SSID on your e-mark in the WIFI settings on your mobile device, click "Connect" and enter the password. The actual illustration of the activated WIFI connection depends on the mobile device and the software installed and may differ from the example illustration below.

Fig. 36: Example image of WIFI connection in the settings of the mobile device

The e-mark is now connected by WIFI to the mobile device.

5.8 USB cable connection

The e-mark can also be connected via the USB cable (supplied) to a computer. Connect the USB cable to the e-mark and computer.

Fig. 37: USB connection

The computer software can be downloaded free of charge from the COLOP homepage (www.emark.colop.com).

5.9 Storage

Store the product in a dry place. When storing the e-mark, always place in the docking station to prevent drying out the print head. Store batteries only when charged.
When stored for extended periods, keep it in the original packaging (*see chapter 4.1*) or in the additionally available transport case to protect it. It is recommended to activate the e-mark at least once a month to prevent the print head from completely drying out. Batteries should be charged, if required (*see chapter 6.1*). Complete the self-cleaning process and make a test imprint (*see chapter 5.2*). In the event the test imprint quality is poor, complete a manual cleaning cycle (*see chapter 5.5*).

NOTICE

Always place the e-mark in the docking station during storage. It is recommended to activate the e-mark at least once a month and to complete the automatic cleaning process (or manual cleaning process, if required).

6 MAINTENANCE

The following sections describe the tasks required for maintenance purposes.

Inspection:
An inspection is required to ensure proper maintenance is carried out on the device. For more details on visual inspection and performance inspection at initial start-up, *see chapter 4*.

- Product cleanliness (general condition, damage, contamination)
- Check the e-mark housing, docking station, charger and cable, USB cable, LED light bar, contacts and battery for any obvious signs of damage or excessive dirt etc.
- If any damage is detected, stop using the product. If damaged, please contact your distributor.

6.1 Charging the battery

Check the charge indicator light on the LED Light Guide (*see chapter 5.3*):

- The rear LEDs flash red when battery charge is lower than 10%

NOTICE

The battery must not be deep discharged. This may cause damage. Fully charge the battery before an extended downtime period.

Proceed as follows to charge the device battery:

- Remove the charging cable from the packaging and unwind.

Fig. 38: Power plug

WARNING!

Hazard from rechargeable batteries (short-circuit, overheating, fire).

Only use charging systems as recommended by the manufacturer. The battery must not be deep discharged!
The battery must not be short-circuited. Fire risk!

- Connect the charging cable to the docking station.

- The marking device must be placed in the docking station.

Fig. 39: Charge battery

- Connect the charger to the mains power supply.

DANGER!

Hazard from electric shock. There is a risk of a fatal electric shock in wet conditions.

Never handle the charger mains plug with wet hands. Never use the device in humid areas. Never expose the battery and charger, including USB port, to water and/or rain.

- The e-mark can be charged when switched on or off. Charging starts whenever it is placed in the docking station.

- Observe charge indicator lights (charging cable is connected) on the Light Guide (*see chapter 5.3*):
  - yellow flashing next to the charging plug forwards continuously: Charge indicator light, battery charge between 0% and 49%, battery charging
  - green flashing next to the charging plug forwards continuously: Charge indicator light, battery charge between 50% and 99%, battery charging
  - continuous green light next to the charging plug: Battery is fully charged (100%). Charging stops automatically and the charger can be removed.

- The light guide also shows the battery level when not charging (*see chapter 5.3*):
  - Red flashing around the e-mark indicates low battery charge (below 10 %)
  - Continuous yellow light next to charging socket indicates low battery level (between 10 and 24 %)
  - Continuous green light next to charging socket indicates sufficient/high battery level (between 25 and 100 %)

- If the App is on and there is a WIFI connection with the device, the charging process is also displayed in the App (*see chapter 5.3*):
  - Battery charge lower than 20%
  - Battery charge between 20 and 40%
  - Battery charge between 41 and 100%
- Disconnect the charger when fully charged.

WARNING!

Hazard from rechargeable batteries (short-circuit, overheating, fire).

- Do not expose lithium batteries to heat, cold or water (do not leave in direct sunlight or charge or store outdoors).
- Do not (forcibly) open or expose to large impacts or shocks.
- Only use charging systems as recommended by the manufacturer.
- The manufacturer's safety instructions must be complied with throughout the entire disposal process.
- Battery contacts (outside the device) must not come into contact with metallic objects such as coins or keys, to prevent a short circuit.
- The marking device and/or rechargeable battery must never get wet.
- Burning batteries can cause blow-outs, causing a battery to be blown away. Battery fires give off extremely thick, particularly toxic smoke.
- Following extended periods in storage or before taking to a collection point, the poles on lithium rechargeable batteries should be covered with adhesive tape to prevent short circuits. Maximum possible storage, e.g. in the original packaging and quick deposit in a collection point are recommended.
- Visually damaged, overheated or blown out batteries must not be recycled and must not be stored in the house, flat or garage.

NOTICE

Charging is only possible using the mains adapter and charger. Charging via the USB connection is not possible.

6.2 Changing the ink cartridge

An empty ink cartridge as indicated on the Light Guide as a red light and in online mode with the symbol in the App.

Change the ink cartridge as follows:

- Open and remove the e-mark cover.

Fig. 40: Open and remove cover

- Remove the battery from the battery compartment.

Fig. 41: Battery

- Press the lever on top of the battery to the rear.

Fig. 42: Open battery compartment

- Lift the battery and remove it
- Open the lower sliding panel.

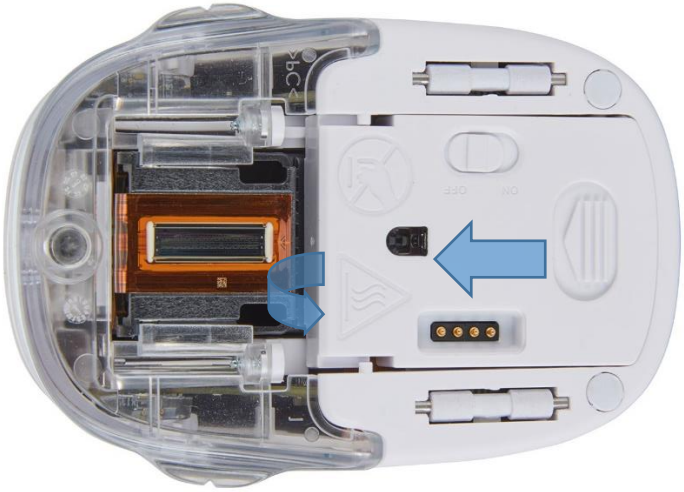


Fig. 43: Opening the sliding panel

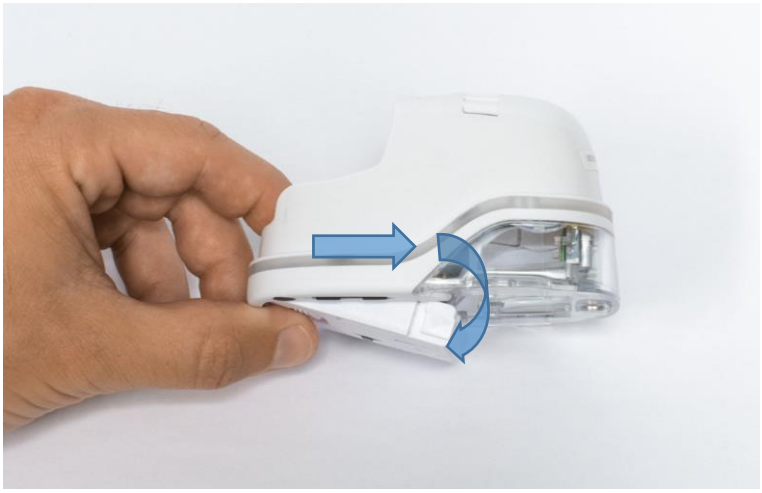


Fig. 44: Sliding panel open

- Pull down the lower sliding panel.
  - Slide the underside of the e-mark in the direction of the arrow.
  - Press the panel downwards at an angle.

- Remove the old ink cartridge and dispose of responsibly.
  - Pull the ink cartridge to the rear using the ridges
  - Remove the ink cartridge from the e-mark

Fig. 45: Pull out ink cartridge

NOTICE

Always press open the lower panel first, otherwise the ink cartridge cannot be removed without damaging the e-mark!

- Remove the new ink cartridge from the packaging and dispose of the packaging responsibly.
- Pull out the strip from the print head and dispose of responsibly.

Fig. 46: Ink cartridge

New original ink cartridges available from your distributors.

- Insert new ink cartridge.
  - Press towards the front end of the compartment.
  - Cartridge snaps in.

Fig. 47: Insert ink cartridge

- Close lower flap cover
  - Shut with a click.
  - The cover moves against the spring into the closed position in the opposite direction of the arrow.

Fig. 48: Close lower flap cover

- Insert battery
  - Push towards the ink cartridge.
  - Press the battery forwards until the lever on the top clicks in.

Fig. 49: Insert battery

- Close cover.

Fig. 50: Cover closed

- ALWAYS place in the docking station.

Fig. 51: Put into docking station

NOTICE

ALWAYS place the e-mark in the docking station after use. Otherwise, the ink cartridge head dries out, affecting print quality. A warning signal sounds if the e-mark is switched on and not placed in the docking station immediately. Return the e-mark to the docking station. If the e-mark is switched off, NO warning signal sounds, but the e-mark should always be placed in the docking station even if switched off.

Tip: Always place the e-mark in the docking station first and then switch it off.

6.3 Cleaning

WARNING!

Cleaning could make electrical components damp, causing injury to people through electric shock.

During cleaning work, avoid any ingress of water, steam or cleaning agent in the electrical components of the product.
Wipe down the product with a damp cloth.

All cleaning work on the product must be carried out by people who have read this Operating and Maintenance Manual and who are informed of the hazards that can result from this product.
For cleaning purposes, the product can be vacuumed, brushed or wiped with a damp cloth that does not contain an aggressive cleaning agent.

Regardless of general cleaning activities, the following cleaning operations must be performed at the stipulated intervals:

Cleaning activity	Interval
Wiping/dusting	Daily and/or after every time in use
Cleaning	Every week or as required

6.4 Troubleshooting

Problems may occur with the product as listed in the table below, which includes their causes and actions to be taken.

More troubleshooting tips can be found on our homepage (www.emark.colop.com). These are continuously expanded and updated.

WARNING!

Maintenance activities can be hazardous.

Problems and unexpected changes to the product must be resolved immediately. Refer to the instructions in this documentation.

Problem	Cause	Action
Print quality deteriorates or individual colors are pale or no longer printed Light Guide lights up red on the front Empty container symbol display in the App	Ink cartridge empty	Change ink cartridge see chapter 6.2
Unsatisfactory imprint color gradient/quality Parts of imprint missing and/or imprint not straight Imprint too pale	Print head is (slightly) dried out uneven surface Ink cartridge contact problem	manual cleaning cycle see chapter 5.5 use flat base for printing Remove ink cartridge and insert correctly see chapter 6.2
Individual thin lines are missing in the imprint	Ink cartridge empty Excessive printing speed	Change ink cartridge see chapter 6.2 Adjust printing speed: Move the e-mark by hand from right to left or from left to right 100 mm/s (max. 300 mm/s) see chapter 5.2
Imprint blurred	unsuitable base, e.g. smooth plastic surface, glass etc.	use absorbent surfaces as a base only see chapter 3.4

Problem	Cause	Action
e-mark leaves spots	Automatic print head cleaning	Place e-mark in the docking station. After raising for the self-cleaning cycle, hold in the air and then return to the printing surface see chapter 5.4
Imprint is not printed even though it was sent and e-mark is ready (self-cleaning cycle does not come)	Print head has dried out because e-mark was not placed in the docking station for too long	Clean print head with damp cloth or wiper, see chapter 5.5 always place the e-mark in the docking station
Light Guide lights up red on the rear (USB connection) Empty battery symbol display in the App	Battery almost empty	Charge battery see chapter 6.1
Light Guide flashes red at front and side Empty ink level display in the App	No ink cartridge inserted or not inserted properly	Insert ink cartridge or check position See chapter 6.2
Light Guide flashes yellow at front and side Empty ink level display in the App	Wrong ink cartridge inserted	Insert an original COLOP ink cartridge
Cannot remove ink cartridge	lower flap closed	open lower flap see chapter 6.2
No data transfer possible	No WIFI connection possible	Check settings are “My e-marks” or WIFI settings on the mobile device See chapter 5.7
No WIFI connection possible	Other e-mark already connected with the mobile device e-mark is connected with other device via WIFI wrong password	Disconnect the other device and connect with e-mark Enter right password

Problem	Cause	Action
e-mark password entry not possible	Wrong password or password forgotten	Reset e-mark to factory settings see chapter 6.5
Data transfer taking too long	Poor WIFI connection between e-mark and mobile device	Use the mobile device alongside the e-mark
e-mark signal sounds and flashes red	not placed in the docking station; e-mark signal sounds after one minute	Always place the e-mark in the docking station
e-mark sounds a signal and flashes red even though it is in the docking station	Contact problem e-mark is not correctly positioned in the docking station	Change e-mark position in the docking station
e-mark does not switch on	Battery is completely discharged	Charge device See chapter 6.1 The print head also needs cleaning, depending on printing quality See chapter 5.5
e-mark does not charge	Contact problem between e-mark and docking station or mains adapter Battery is completely discharged or defective Mains adapter defective	Charge e-mark for several hours and switch on again contact dealer if battery or mains adapter defective
No data transfer, even though e-mark switched on Light Guide does not light up	e-mark has gone into sleep mode	Remove e-mark from the docking station, it switches on again automatically
Housing damaged	e-mark has been dropped	Send device away for repair See chapter 6.6

For further details and more problems, click here: www.emark.colop.com

6.5 Reset

The e-mark must be switched on for the reset to be successful. There is a small opening on the top next to the battery and ink cartridge compartment. Press here with a small thin object (e.g. paper-clip) to reset the e-mark to its original factory settings (SSID and password are reset, the image memory is deleted and initial test imprint with SSID and password will come when printing).

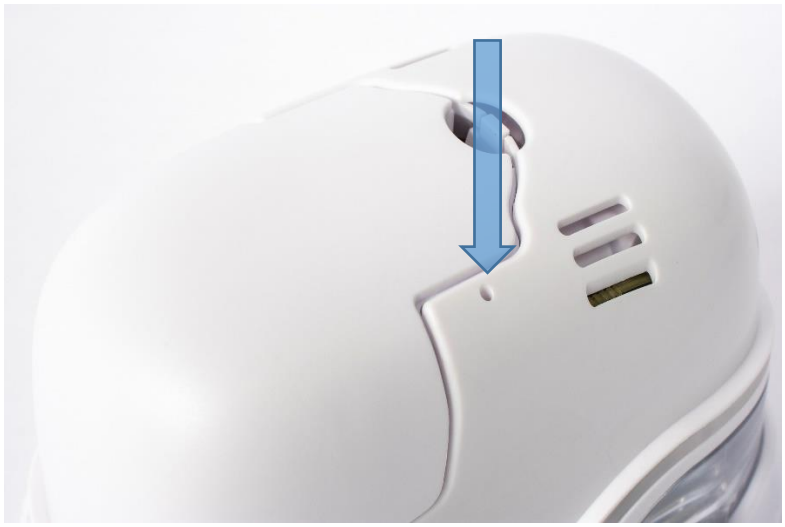


Fig. 52: Opening for device reset

6.6 Repairs & Return

Repais may only be carried out by a licensed electrician. Contact the manufacturer for information on spare parts and procedures.

In case of returning the e-mark, the contacts of the battery need to be covered. A standard adhesive tape can be used for that. Put the battery back into the e-mark and pack it ideally in its original packaging (*see chapter 4.1*) or in similar quality packaging. Ensure that the e-mark is firmly secured and protected against impacts and other damage.

Fig. 53: Cover the contacts of the battery

WARNING!

Repair activities can be hazardous.

Repairs should only be carried out by an electrician. The e-mark should not be dismantled further than is indicated in these instructions. The e-mark housing and docking station must not be dismantled. The battery must never be dismantled!

6.7 Spare and wear parts

There are various spare parts available for the e-mark which can be ordered from the manufacturer. More information is available here: www.e-mark.colop.com

WARNING!

Unauthorized repairs on the product may be dangerous.

Repairs should only be carried out on the product by an electrician. Only original spare parts should be used. All modifications to the product are prohibited.

Spare part	Image	Spare part	Image
Ink cartridge		Docking station Black/white	
Battery Black/white		USB cable	
Electronics compartment Black/white		Cover Black/white	

Power adapter			

7 DISCONTINUED USE AND DISPOSAL

This chapter contains information about discontinuing use and disposal of the product at the end of its service life.

Principle:
Before disposing of product parts, check to see whether they can be recycled. Send away as much as possible for recycling. Negligent or improper disposal can result in unforeseeable consequences. Dispose of product materials and components in a manner that is verifiably compatible for mankind, the natural world and the environment. Comply with details provided by the manufacturer and with corresponding legislation and regulations.

NOTICE

Packaging materials (paper, plastic) must be disposed of separately. Dispose of components of the device in accordance with legislative stipulations. Dispose of materials separately and send as much as possible away for recycling.
Electrical components of the product must be sent for recycling as waste of electrical or electrical equipment. Dispose of batteries in accordance with legislative stipulations.

NOTICE

The electrical components of the product must be sent for recycling as waste of electrical or electronic equipment.

Product materials and parts:
Dispose of the segregated materials and components of the product separately:

- Plastics
- Return battery to collection point with taped contacts
- Send electrical and electronic components away for recycling as electrical scrap, in accordance with the Waste Electrical & Electronic Equipment Directive (WEEE).

WARNING!

Hazard from rechargeable batteries (short-circuit, overheating, fire).

The poles on lithium rechargeable batteries should be covered with adhesive tape to prevent short circuits before taking to a collection point. Maximum possible storage, e.g. in the original packaging and quick deposit in a collection point are recommended.

CAUTION!

Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

8 APPENDIX

EU – Declaration of Conformity

Directive 2014/35/EU to harmonize the laws of the member states relating to the provision of electrical equipment for use within certain voltage limits on the market (Low Voltage Directive)

Manufacturer:	COLOP Digital GmbH Dr.-Arming-Straße 5 A-4600 Wels
Device:	CODI Standard 1.0
Type:	COLOP e-mark

Herewith is confirmed, that the device conforms to the health and safety requirements of the Low Voltage Directive 2014/35/EU and the technical documents were prepared in accordance with Appendix III A. This declaration of conformity also confirms the implementation of the 2014/30/EU (EMC-Directive), 2014/53/EU (RED-Directive), 2012/19/EU (WEEE Directive), 2011/65/EU (RoHS Directive) and that the following harmonized standards have been applied:

EN ISO 12100: 2013	General principles for design - Risk assessment and risk reduction
EN 62368-1: 2016	Safety requirements of audio/video, information and communication technology equipment
EN 62031: 2015	LED modules for general lighting - Safety specifications
EN 61000-6-1: 2007	Electromagnetic compatibility (EMC) - Immunity for residential, commercial and light-industrial environments
EN 61000-6-3: 2007	Electromagnetic compatibility (EMC) - Immunity for residential, commercial and light-industrial environments
EN 61000-3-2: 2014	Electromagnetic compatibility (EMC) - Limits for harmonic current emissions
EN 61000-3-3: 2013	Electromagnetic compatibility (EMC) - Limitation of voltage changes, voltage fluctuations and flicker
EN 301489-1: 2017	Electromagnetic compatibility (EMC) - Common technical requirements for radio equipment and services
EN 301489-17: 2017	Electromagnetic compatibility (EMC) - Specific conditions for Broadband Data Transmission Systems as e. g. Bluetooth, WIFI
EN 300328: 2017	Wideband transmission systems - Data transmission equipment operating in the 2,4 GHz ISM band as e. g. Bluetooth, WIFI

Person responsible for documentation:

Distributor:

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A-4600 Wels

WELS, 17 April 2019

(Place, date)

(CEO, Ernst Faber)

(Operations Management, Gerhard Koschka)