

REINER

jetStamp graphic 970



Operating Manual

GB

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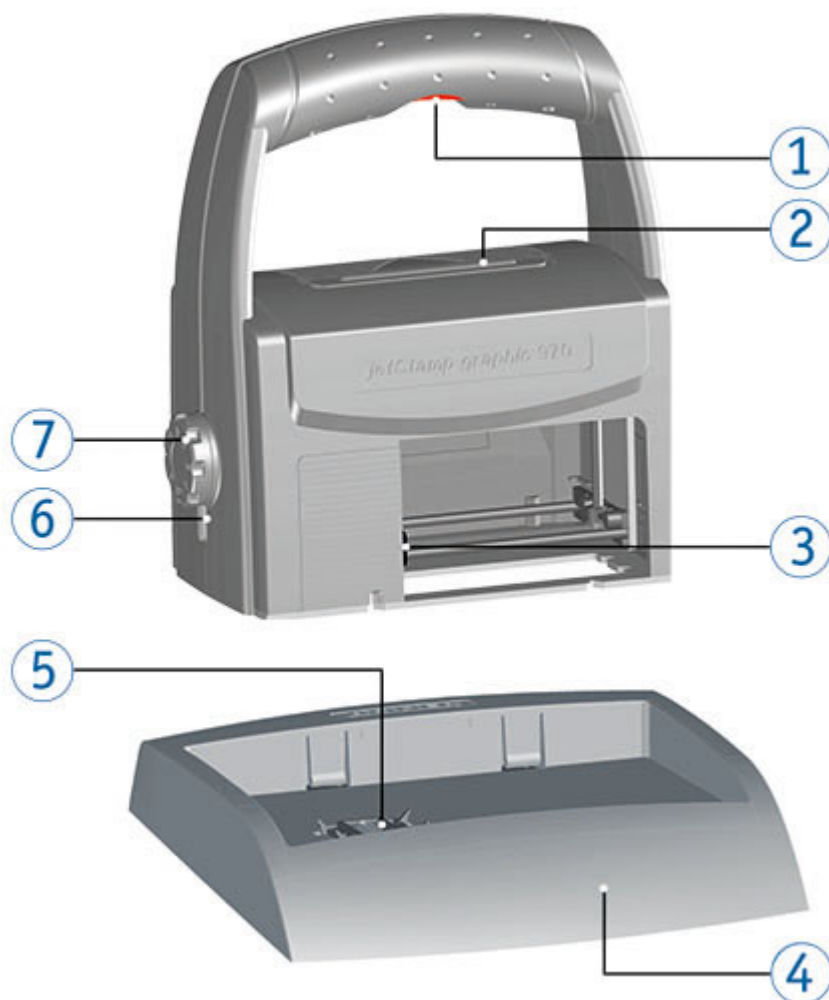
X Operating instructions **95**

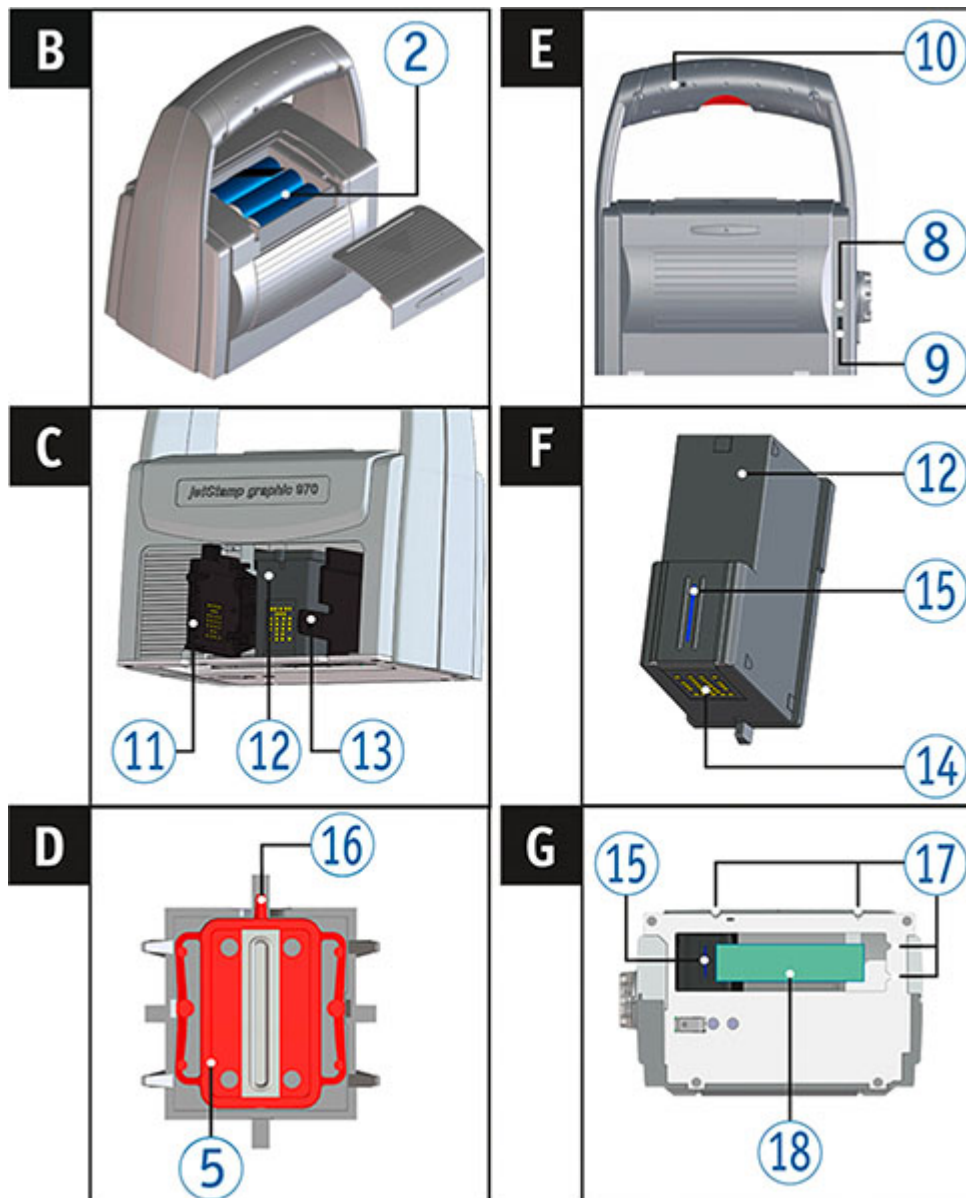
Index **96**

1 Your jetStamp graphic 970

REINER*jetStamp graphic 970*

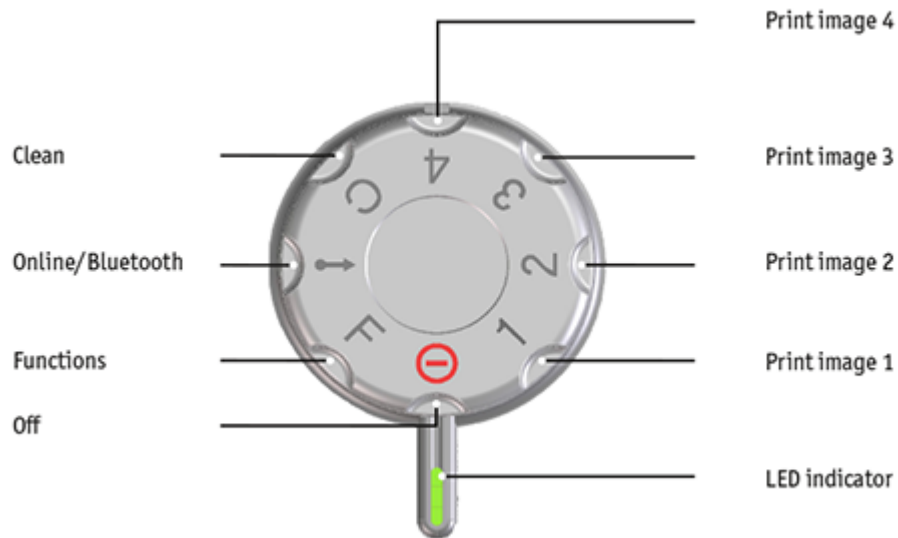
1.1 Operating elements

A



- | | |
|----------------------------|---------------------------------------|
| ① Trigger button | ⑩ Jack socket for external triggering |
| ② Battery compartment | ⑪ Print cartridge flap |
| ③ Print carriage | ⑫ Print cartridge |
| ④ Basis station | ⑬ Locking mechanism print cartridge |
| ⑤ Seal | ⑭ Print cartridge contacts |
| ⑥ LED display | ⑮ Nozzles print cartridge |
| ⑦ Setting wheel | ⑯ Seal tip |
| ⑧ Green charging indicator | ⑰ Indicators of print position |
| ⑨ Micro USB socket | ⑱ Print area |

1.2 Setting wheel



i The **LED display** marks the selected setting and flashes in case of warning messages.

i To set **Functions** (see "[Functions](#)").

- ▶ To avoid malfunctions align the settings precisely with the LED display!
- ▶ To activate Bluetooth, turn the setting wheel **7** to position Online/Bluetooth (see "[Bluetooth](#)").

2 Important notes

Before commissioning of the *jetStamp graphic 970*, always read the operating instructions and in particular the safety notes with care. This prevents insecurities in handling of the marking devices and connected safety risks to keep you safe and avoid damage to the device.

[Rechargeable batteries](#)

[Seal](#)

2.1 Rechargeable batteries

The charging of the batteries is electronically controlled. This ensures that the battery cells are charged optimally and carefully.

Recharging

► Fully charge rechargeable batteries before first application. Duration approx. three hours.

After the first full charge, the batteries do not yet reach full capacity. You must expect that the normal service times will be undercut.

Reaching full capacity

Full capacity is achieved when the batteries are completely discharged and charged several times.

2.2 Seal



The seal must be inserted accordingly with the insertion/replacement of the print cartridge or replaced. Please observe the brief instructions enclosed with each print cartridge!

3 Your safety

[Safety, description](#)

[Safety notes on rechargeable batteries](#)

[Safety notes](#)

[Safe handling of print cartridges](#)

3.1 Safety, description

DANGER

Warnings of dangers that lead to **death or severe injury directly** if not observed.

WARNING

Warnings of dangers that may lead to **death or severe injury** if not observed.

CAUTION

Warnings of dangers that may lead to **injury** if not observed.

NOTICE

Warnings of dangers that may lead to **property damage** if not observed.

► You are asked to perform actions here.



Notes and advice to make handling your *jetStamp graphic 970* even easier.



Notes on instruction videos.

3.2 Safety notes on rechargeable batteries

Rechargeable batteries are subject to wear. A longer service life than six months cannot be warranted.

WARNING

Possible explosion in contact with fire.

- ▶ Never throw batteries into fire.

CAUTION

Injuries resulting from destruction of the battery when using unsuitable rechargeable batteries or non-rechargeable batteries.

- ▶ Only use the batteries intended for the device.

Type usage

Use only the supplied mains adapter or a PC USB port to charge the batteries.

Only use rechargeable batteries (three each) type nickel metal hydride (REINER item number: 946 192 - 000) of build AA.

Always replace all flat rechargeable batteries at once.
Unauthorised batteries may cause damage or malfunction.

- ▶ Use only prescribed rechargeable batteries.

Insertion

Observe polarity of rechargeable batteries when inserting, refer to symbols!

Disposal



Defective or used batteries

Used batteries or rechargeable batteries must not be disposed of with household waste.

3.3 Safety notes

WARNING

Possible blindness due to eye contact with ink.

- ▶ Do not point the nozzles of the *jetStamp graphic 970* at people's faces!

CAUTION

Possible tripping and damage to the device due to device lines lying freely in the room.

- ▶ Place the device lines so that they do not pose a danger source!

NOTICE

Damage to the device at improper transport.

- ▶ Only use packaging that provides protection from impact and shock for the device!

NOTICE

Damage to the device by dewing.

- ▶ Before commissioning, wait until the device has reached room temperature and is completely dry!

3.4 Safe handling of print cartridges

WARNING

Possible blindness due to eye contact with ink.

- ▶ Do not point the nozzles of the *jetStamp graphic 970* at people's faces!

CAUTION

Damage to health caused by ingestion of ink.

- ▶ Do not swallow!
- ▶ Keep the print cartridge out of the reach of children!

4 Preparation and commissioning



Only connect the device to the PC after the PCset graphic software has been installed (refer to "[Install PCset graphic software](#)").

With the installation of the PCset graphic software, the required USB drivers are installed. If a connection is established between the PC and the device, the USB drivers are automatically detected and loaded. If the device is connected without installing the PCset graphic software, the installation of the device drivers fails.

[Commissioning](#)

[Execute test print](#)

[Activate Bluetooth](#)

[Install PCset graphic software](#)

[Firmware update](#)

4.1 Commissioning



Find a clip on our homepage www.reiner.de or on [youtube](#).

[Rechargeable batteries](#)

[Seal and pressure cartridge](#)

4.1.1 Rechargeable batteries

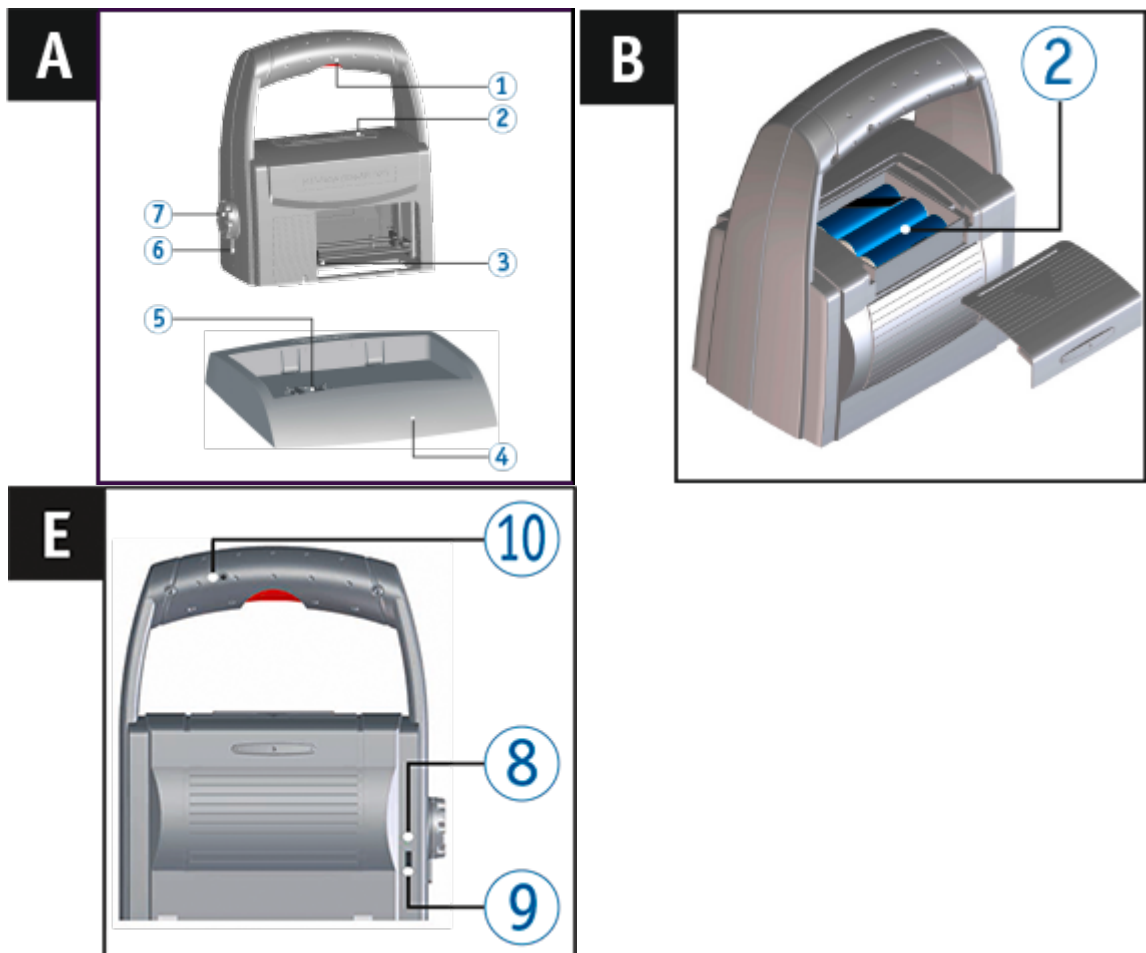
The batteries must be fully charged before first application. The charging time is approx. three hours. The batteries are charged when the green charging indicator is off **8**.

[Inserting rechargeable batteries](#)

[Charging rechargeable batteries](#)

4.1.1.1 Inserting rechargeable batteries

Insert rechargeable batteries ⇒ Fig. **A** + **B** + **E**



Always replace all flat rechargeable batteries at once. When the batteries are removed, the date, time and counter reading of the numbering machines are maintained.

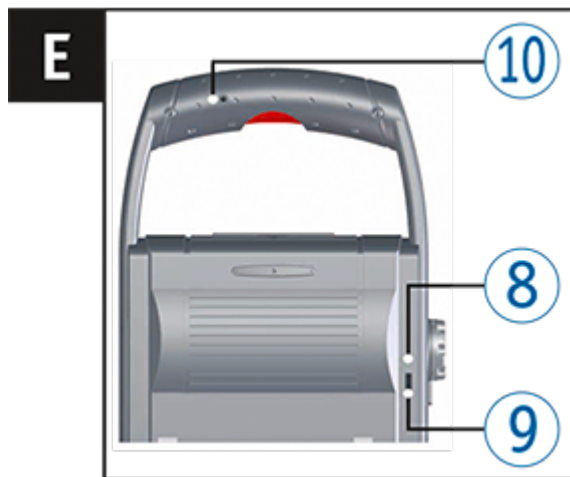
- ▶ Open battery compartment **2**.
- ▶ Place the textile tape evenly over the compartment.



i The textile tape makes it easier to remove the batteries.

- ▶ Ensure correct polarity and insert batteries.
- ▶ Close battery compartment ②.

4.1.1.2 Charging rechargeable batteries

Charge rechargeable batteries ⇒ Fig. **E**



-  Charging at a USB hub without its own power supply is not possible.
-  The power socket must be easily accessible for the mains adapter. To disconnect the device completely from the mains, the mains adapter must be unplugged from the power socket.
- ▶ Connect the Micro USB socket of the device **9** via the USB cable to the mains adapter and connect the mains adapter to the mains.
Green charging indicator **8** lights up.
Charging is complete when the charging indicator **8** is off.

4.1.2 Seal and pressure cartridge


 The seal and pressure cartridge are shipped separately from the device - follow the instructions below.

[Insert the seal](#)

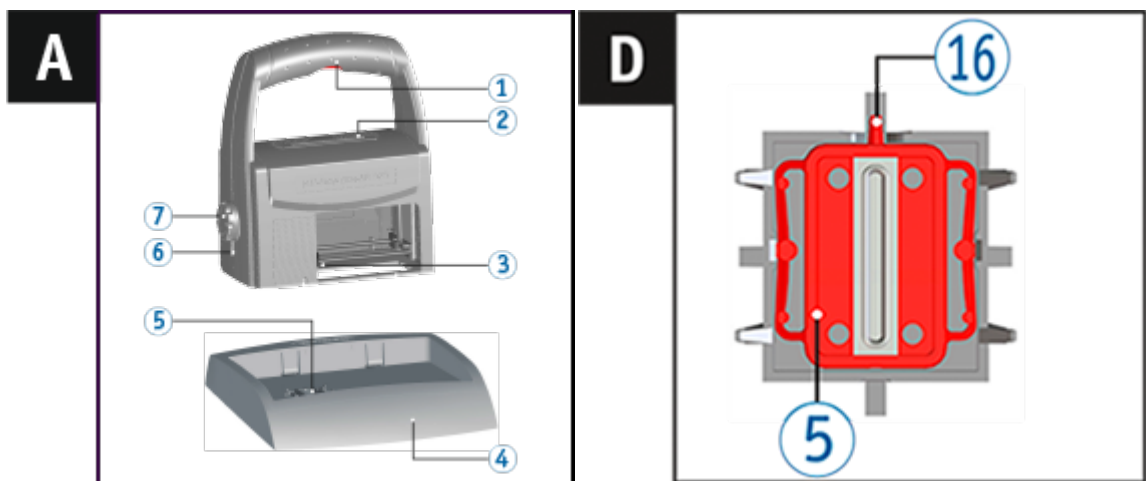
[Inserting the print cartridge](#)

4.1.2.1 Insert the seal

Insert seal ⇒ Fig. **A** + **D**

 Different seals are required depending on the type of ink used (also see "[Replace seal](#)").

 Always use the seal of the associated print cartridge – be sure to replace the seal with new print cartridges.



- ▶ Place the basis station ④ on a firm surface.
- ▶ Take the seal from the package and place it in the holder of the basis station ④.
- ▶ Press the seal slightly down until it snaps into the holder.

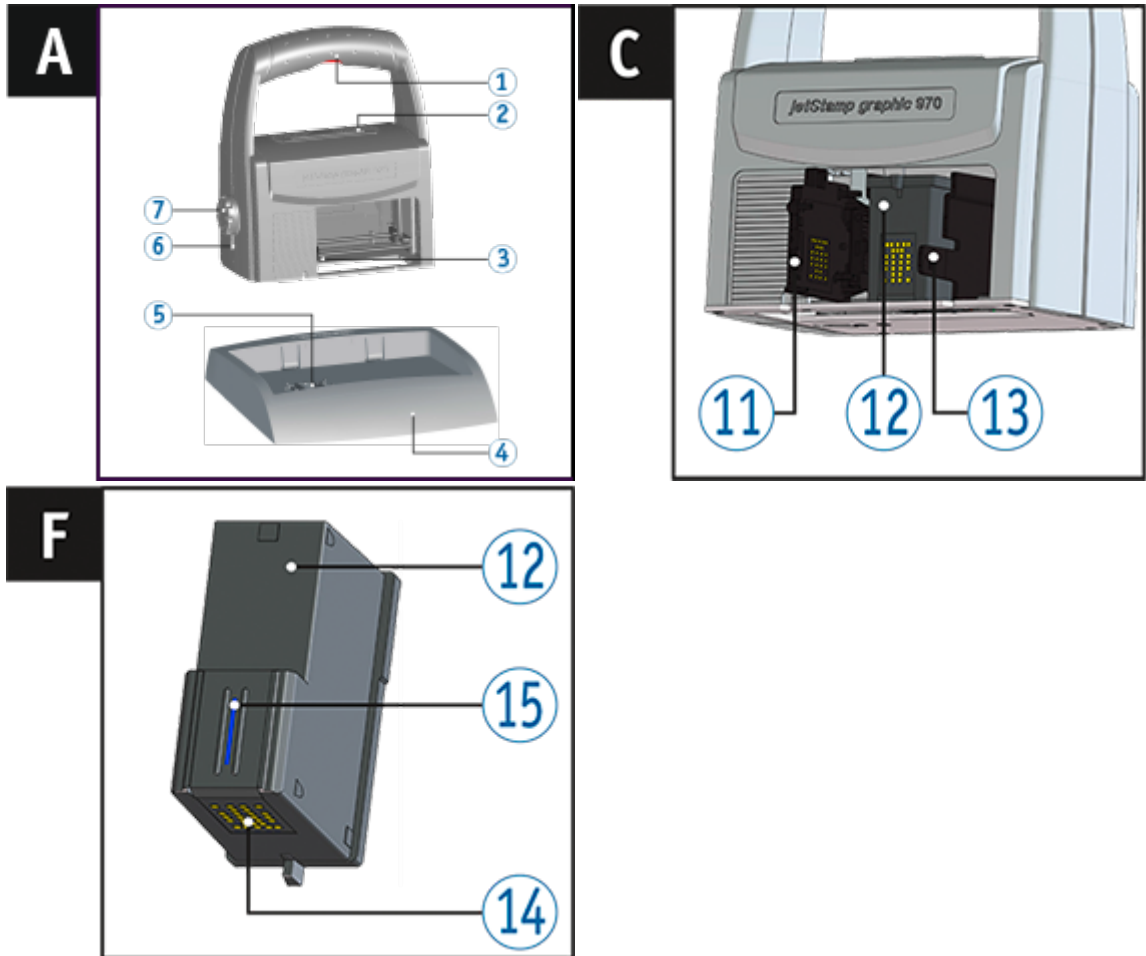
4.1.2.2 Inserting the print cartridge

CAUTION

Damage to health caused by ingestion of ink.

- ▶ Do not swallow!
- ▶ Keep the print cartridge out of the reach of children!

Insert print cartridge ⇒ Fig. **A** + **C** + **F**



- ▶ Place the *jetStamp graphic 970* in the basis station 4.
- ▶ Set the setting wheel 7 to position 1.
- ▶ Keep the trigger button 1 pressed and take the device out of the 4 basis station.
The print carriage 3 moves to the middle position.
- ▶ Release the trigger button 1.
- ▶ Press the print cartridge locking 13 slightly to the right until the print cartridge flap can be opened 11.
- ▶ Open the print cartridge flap 11.
- ▶ Take a print cartridge 12 from the packaging and remove the protective film or clip from the nozzles 15.
- ▶ Place the device on a firm surface.
- ▶ Insert the print cartridge 12.
- ▶ Close the print cartridge flap 11.
- ▶ Push the trigger button 1.
The print carriage 3 moves to the home position.

i Return *jetStamp graphic 970* to the basis station to prevent drying of the ink.
Observe acoustic signal of the *jetStamp graphic 970* (see "[Acoustic Signals](#)").

4.2 Execute test print

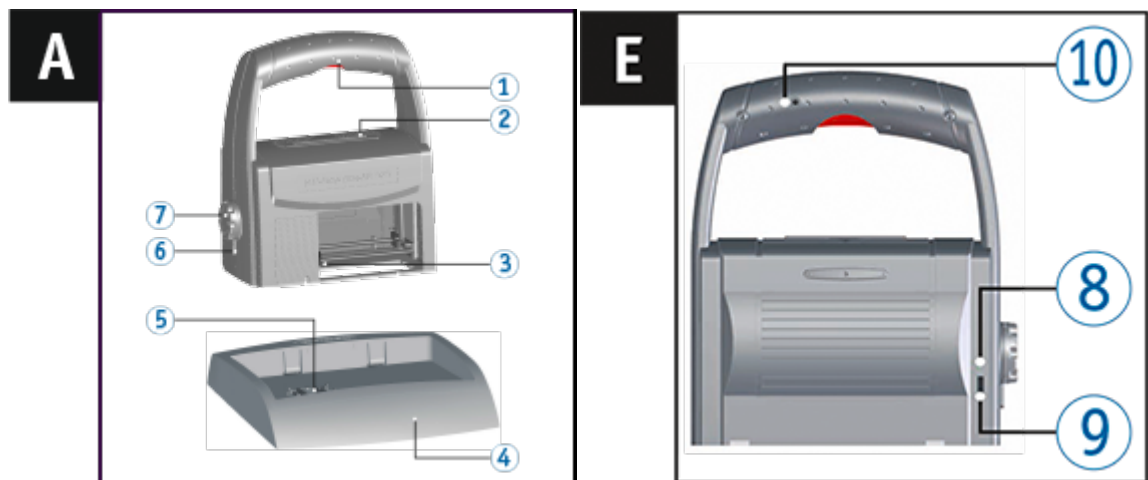
WARNING

Possible blindness due to eye contact with ink.


- ▶ Do not point the nozzles **15** of the *jetStamp graphic 970* at people's faces!

Execute test print ⇒ Fig. **A** + **E**

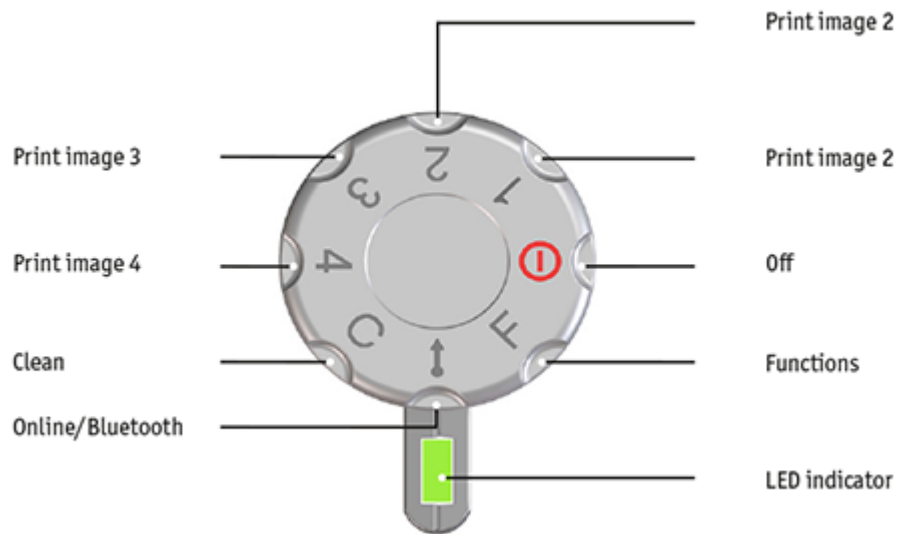
 The *jetStamp graphic 970* is delivered ex works with 4 pre-programmed sample print images.








- ▶ Set setting wheel **7** to position 1.
 - ▶ Place the device on a flat surface to be printed.
 - ▶ Push the trigger button **1**.
- The example print image 1 is printed.


 Return *jetStamp graphic 970* to the basis station to prevent drying of the ink.
Observe acoustic signal of the *jetStamp graphic 970* (see "[Acoustic Signals](#)").


4.3 Activate Bluetooth



-  Bluetooth cannot be activated while an a USB connection is active.
With an active Bluetooth connection, a USB connection cannot be established either.
-  If Bluetooth is active, the battery runtime reduces since Bluetooth is active in standby mode as well.
-  To activate Bluetooth at the device, the setting wheel  must be turned to position **Online/Bluetooth**.
-  To establish the Bluetooth connection with the device, follow the instructions "[Establish Bluetooth connection](#)".

4.4 Install PCset graphic software

 The installation must be carried out on a commercially available local PC.
A virtualised PC or thin client is not suitable.

 The local time CET/Central European Time is preset at delivery of the device.
Once the device is connected to a PC with the PCset graphic software and a print image is then transferred to the device, the device adopts the local time (see "[Transfer the print image to the jetStamp graphic 970](#)").

[System requirements](#)

[Installing the software](#)

4.4.1 System requirements

Supported REINER devices

- *jetStamp graphic 970*
- *jetStamp graphic 1025*
- *jetStamp graphic 1025 sense*
- *REINER 940*

Hardware

- Graphics adapter with a min. resolution of 1280 x 1024 pixels
- Memory 32 MB min.
- 200 MB free hard disk space
- 1 free USB interface or Bluetooth

Supported operating systems

- Windows 7, Windows 7 64 Bit, Windows 8, Windows 8 64 Bit, Windows 10, Windows 10 64 Bit, Windows 11





4.4.2 Installing the software

Administrator rights on the PC are required for the installation.

- ▶ Plug the USB stick supplied with the device into the USB port of your PC.
- ▶ Start the file "Setup_PCsetgraphic.exe".
- ▶ Follow the instructions of the installation program.

4.5 Firmware update

The current firmware of the *jetStamp graphic* 970 is available for download from www.reiner.de in the section "**Downloads - Software**".

-  Before performing a firmware update, transfer and save the print images on the *jetStamp graphic* 970 to the PCset graphic. The print images can be damaged during the Firmware update.
-  Ensure that the PCset graphic is installed on your PC but **not** opened before the firmware update is started. While the firmware update is being installed, the *jetStamp graphic* 970 must not be switched off.
- ▶ Connect the micro USB socket  to the PC via the USB cable.
- ▶ To activate the device, turn the setting wheel  to position 1.
- ▶ Unpack "**Firmware update**" and start "**970 Firmware xxxx.exe**". The firmware is installed automatically. After a successful firmware update, the PCset graphic can be opened again

5 The PCset graphic software application

[Get jetStamp graphic 970 ready for PCset graphic](#)

[Starting the software](#)

[Operator interface](#)

[Establishing Bluetooth connection](#)

[Example workflow: Generating the print image](#)

[Objects settings](#)

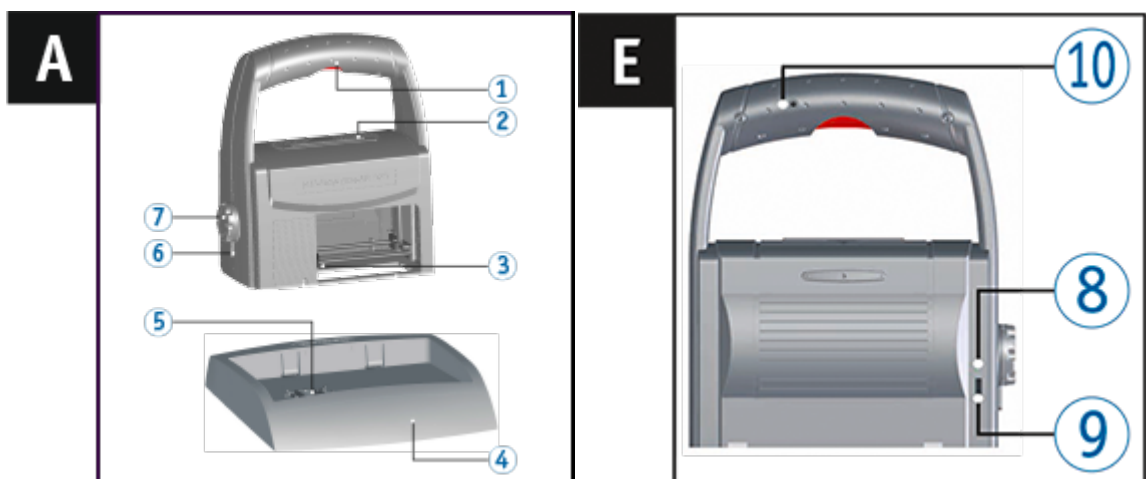
[External print triggering](#)

Supported REINER devices

- jetStamp 1025
- jetStamp 1025 sense
- jetStamp graphic 970
- REINER 940

5.1 Get jetStamp graphic 970 ready for PCset graphic

Get jetStamp graphic 970 ready for PCset graphic ⇒ Fig. **A** + **E**



i The PCset graphic software must first be installed so that the device can be recognised correctly by the PC.

- ▶ Connect the micro USB socket **9** to the PC via the USB cable.
- ▶ Turn the setting wheel **7** to position 1 to switch on the device.

The PC recognises the *jetStamp graphic 970* as a new USB device.
The device driver software is installed automatically.





 When the device is connected to the PC, the batteries are charged via the USB port.

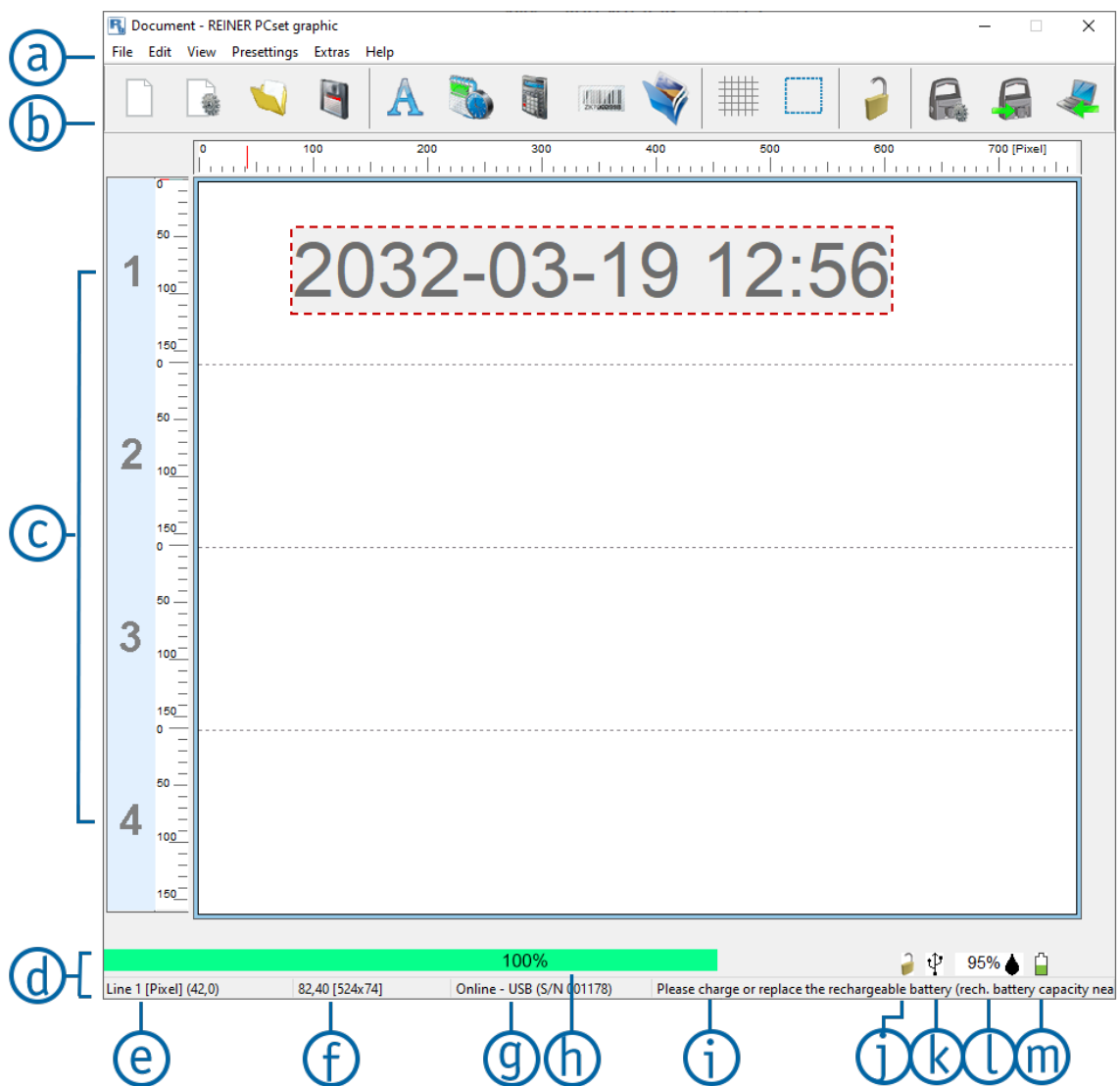
5.2 Starting the software

▶ Double-click the **REINER PCset graphic icon** .
The PCset graphic software is started.

5.3 Operating interface

The operating interface is divided into four sections:

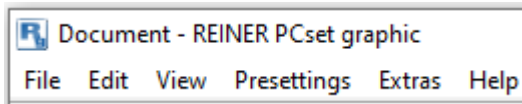
-  Menu bar with both Windows typical and PCset graphic specific functions
-  Toolbar
-  4 lines for design of the print images
-  Bar with various [status indications](#).



- | | |
|--|---|
| (a) Menu bar | (h) Transfer process |
| (b) Toolbar | (i) Device messages |
| (c) Print images | (j) Device security |
| (d) Status indicators | (k) Connection |
| (e) Cursor position | (l) Ink level indicator |
| (f) Object position [object size] | (m) Charge indicator |
| (g) Online/offline (connected device with serial number) | |

5.3.1 Menu bar

In addition to the functions in the tool bar (b), you can find a menu bar (a) in the REINER PCset application.



In the menu bar you will find both common, self-explanatory standard commands as well as PCset graphic-specific menu commands. The latter can usually also be called via the toolbar symbols.

[File](#)

[Edit](#)

[View](#)

[Presettings](#)

[Extras](#)

[Help](#)

5.3.1.1 File

| Function | Description |
|-------------------------------------|--|
| New | Reset the display. Delete the displayed draft. |
| Open | File selection menu for loading previously saved print images. |
| Save | Save the displayed print image as XML file. |
| Save as | The dialogue for saving the print images appears. |
| Device settings - Font | Configure font. |
| Device settings | Configure the print settings, signals, and functions. |
| Print image transfer | The selected print image is transferred to the device. |
| Print image upload | Load the active print image in the device for editing. |
| Search for REINER Bluetooth devices | Searches for REINER Bluetooth devices. This function is only available if there is no USB connection. |
| Last opened | Displays the last opened print images. |
| Exit | Exits the PCset graphic. |

5.3.1.2 Edit

| Function | Description |
|----------|--|
| Undo | The last actions performed are undone. |
| Delete | Deletes selected objects. |

| | |
|-------|--|
| Copy | Load selected content to the clipboard. |
| Paste | Paste content from the clipboard. |
| Cut | Delete selected contents and load them to the clipboard. |

5.3.1.3 View

| Function | Description |
|-------------------------|--|
| Grid | Set grid. |
| Zoom | 50%, 100%, 200% |
| Display lock in toolbar | Show or hide device security button. |
| REINER 940 | Operating interface REINER 940 appears. |
| jetStamp graphic 970 | Operating interface jetStamp graphic 970 appears |
| jetStamp 1025 | Operating interface JetStamp 1025 appears. |

5.3.1.4 Presettings

| Function | Description |
|-------------------|---|
| Text | Settings for text objects can be configured. |
| Date/Time | Settings for date/time objects can be configured. |
| Numbering machine | Settings for numbering machine objects can be configured. |
| Barcode | Settings for barcode objects can be configured. |

5.3.1.5 Extras












| Function | Description |
|-----------------------|---|
| Device security | The device security locks the print and protects the print data from misuse. |
| SF module | Service and maintenance module for REINER. |
| Daylight savings time | No daylight savings time, daylight savings time Europe, daylight savings time America |

5.3.1.6 Help

| Function | Description |
|----------|-------------|
|----------|-------------|

| | |
|------|---|
| Help | Help with detailed configuration instructions and the operating instructions in electronic form. |
| Info | <p>Release notes for the software.</p> <p>If the <i>jetStamp graphic 970</i> is connected, information on model, serial number and firmware version are also displayed.</p> <p>An internet link to the REINER website will be displayed to download the latest software if the software or the jetStamp 970 is not on the latest version.</p> |

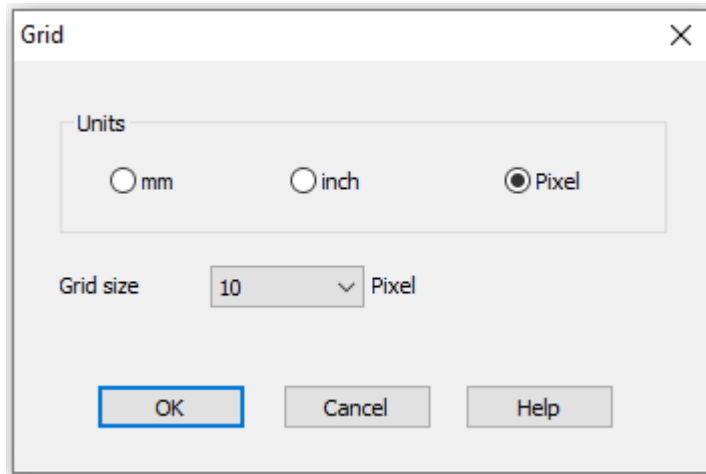
5.3.2 Toolbar

| Toolbar  | Menu command | Description |
|---|-----------------|--|
|  | New | Reset the display. Delete the displayed draft. |
|  | Font | The " Font " tab in the "Settings" menu. |
|  | Open | File selection menu for loading previously saved print images. |
|  | Save | Save the displayed print image as XML file. |
|  | Grid | Activates the grid for aligning objects. |
|  | Selection | For areas that have been fixed via the "Generate graphic" function (see " Selection "). |
|  | Device security | The device security may be set (refer to " Device safety "). The "View" tab allows you to show or hide the device security button by clicking on "Display lock in toolbar". |
|  | Settings | The " Print settings " tab in the "Settings" menu. |
|  | Transfer | The displayed print images are transferred to the device. The data present on the <i>jetStamp graphic 970</i> are overwritten. |
|  | Upload | Load the print images saved in the device for editing. |

5.3.2.1 Grid



The print area is divided into the selected raster size.



Units

Grid/ruler/mouse position/object size are displayed in the selected unit.

| Unit | Description |
|--------|--|
| mm | Ruler is subdivided into mm . |
| inch | Ruler is subdivided into inch . |
| Pixels | Ruler is subdivided into pixels . |


5.3.2.2 Selection









- ▶ Activate "Selection".
 - ▶ Hold down the left mouse button and draw a selection frame along the desired area.
 - ▶ Release left mouse button.
- All objects and backgrounds contained in the frame are selected and can be cut, copied or deleted.

5.3.3 Objects

Print images are composed of objects from the five object groups described below.
Objects can be placed freely using drag & drop (see "[Example Workflow: Generate Print Image](#)").

 The format of each object group can be configured individually. Menus for format settings are opened by right-clicking on the respective object or in the "Presettings" tab in the [menu bar](#).

| Toolbar  | Command | Description |
|---|-----------------------------------|---|
|  | Text | Enter the desired text at the cursor position. The font and font style depend on the text format you have selected. A double-click on the text terminates the text input mode. Text can also be pasted via the Windows clipboard. The font size is automatically adjusted to the grid height when the grid is enabled. |
|  | Date/Time | Font, font style, font size and format can be set individually (refer to " Font " and " Presettings "). |
|  | Numbering machine | The numbering machine is used for sequential numbering. Starting value, step width and font orientation, as well as font, font style and font size can be set (refer to " Font " and " Presettings "). |
|  | Barcode | Various barcode formats are available in the format settings (refer to " Presettings "). |
|  | Graphic | After inserting a graphic object, a file selection window opens. Select the desired graphic and confirm with "Open". |

5.3.4 Device security


[Device security](#)






[Unlock device](#)

[Lock device](#)




5.3.4.1 Device security

The device security locks the print and protects the print data from misuse.

 Devices without a current firmware version do not support device security. You can download the latest firmware version from www.reiner.de in the section "**Downloads - Software**".

► The device safety can be set in the menu bar  by clicking the tab "Extras → Device safety" or in the toolbar  via the buttons  /  / .

Three functions can be selected:

1.  Device safety is deactivated.
2.  Device safety is activated.
Print images **cannot** be transmitted and printed without entering a password.
3.  Device safety is activated.
Print images can be transmitted and printed **without** entering a password.

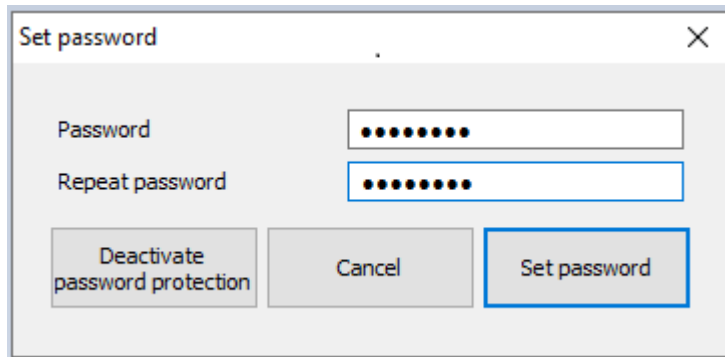
[Set password](#)




[Disable password protection](#)

[Forgotten password](#)

5.3.4.1.1 Set password






 "Set password" activates device safety and protects the print data from misuse.



- ▶ To activate the device security ,  select the "Extras" tab in the menu bar and use "Device safety → Set password" or go to the toolbar  and click the button .
- ▶ Enter a password.
- ▶ Repeat the password.

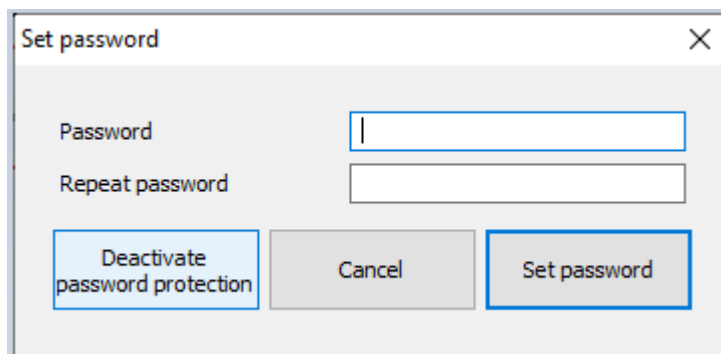
The password may contain a maximum of 8 characters.





The following characters can be used: 0-9, A-Z, a-z and the characters !"#%&'()*+,-./:;<=>?[]{} ~.

- ▶ To activate the device safety, click on the "Set password" button.
In the toolbar  the symbol changes from  to  and in the status indicator  appears the symbol .

5.3.4.1.2 Disable password protection


 "Deactivate password protection" deactivates device safety.






- ▶ To ensure the safety of the device **deactivate** in the menu bar  the tabSelect "Extras" and "Device safety → Click on Set password".
- ▶ Click on "Deactivate password protection".
In the toolbar  the symbol changes from  to .

5.3.4.1.3 Forgotten password

 When resetting the password, the *jetStamp graphic 970* is reset to the factory setting. All saved print images are deleted.

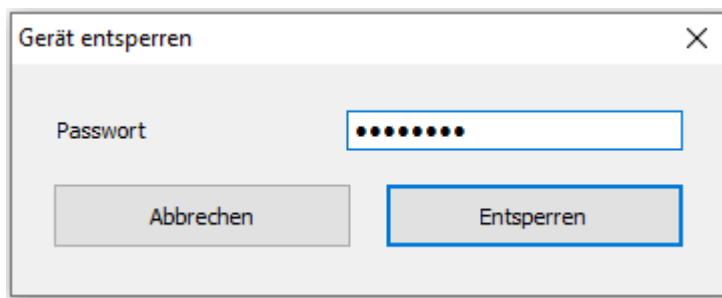
 The password can only be reset when the *jetStamp graphic 970* has no device error.







If the set password has been forgotten, it can be reset as follows:

- ▶ Remove print cartridge .
- ▶ Set setting wheel  to position **C**.
- ▶ Push the trigger button  for at least 10 seconds.
When the password is reset, a warning signal is emitted.

5.3.4.2 Unlock device







 Print images can be transmitted and printed **without** entering a password.




- ▶ To **unlock** the device, select the "Extras" tab in the menu bar  and click "Device security → Unlock device" or click the button .
- ▶ Enter password and click "Unlock".
In the status indicator  and in the toolbar  the symbol changes from  to .

5.3.4.3 Lock device

 Print images **cannot** be transmitted and printed without entering a password.

- ▶ To **lock** the device again, select the "Extras" tab in the menu bar  and click "Device safety → Lock device".
- OR -
- ▶ Click on the button .
- OR -
- ▶ Switch the device off and on
In the status indicator  and in the toolbar  the symbol changes from  to .

5.3.5 Device settings

 Device settings will only become active when they have been transmitted to the *jetStamp graphic 970*.

  Click on the symbol.
The device settings are opened.

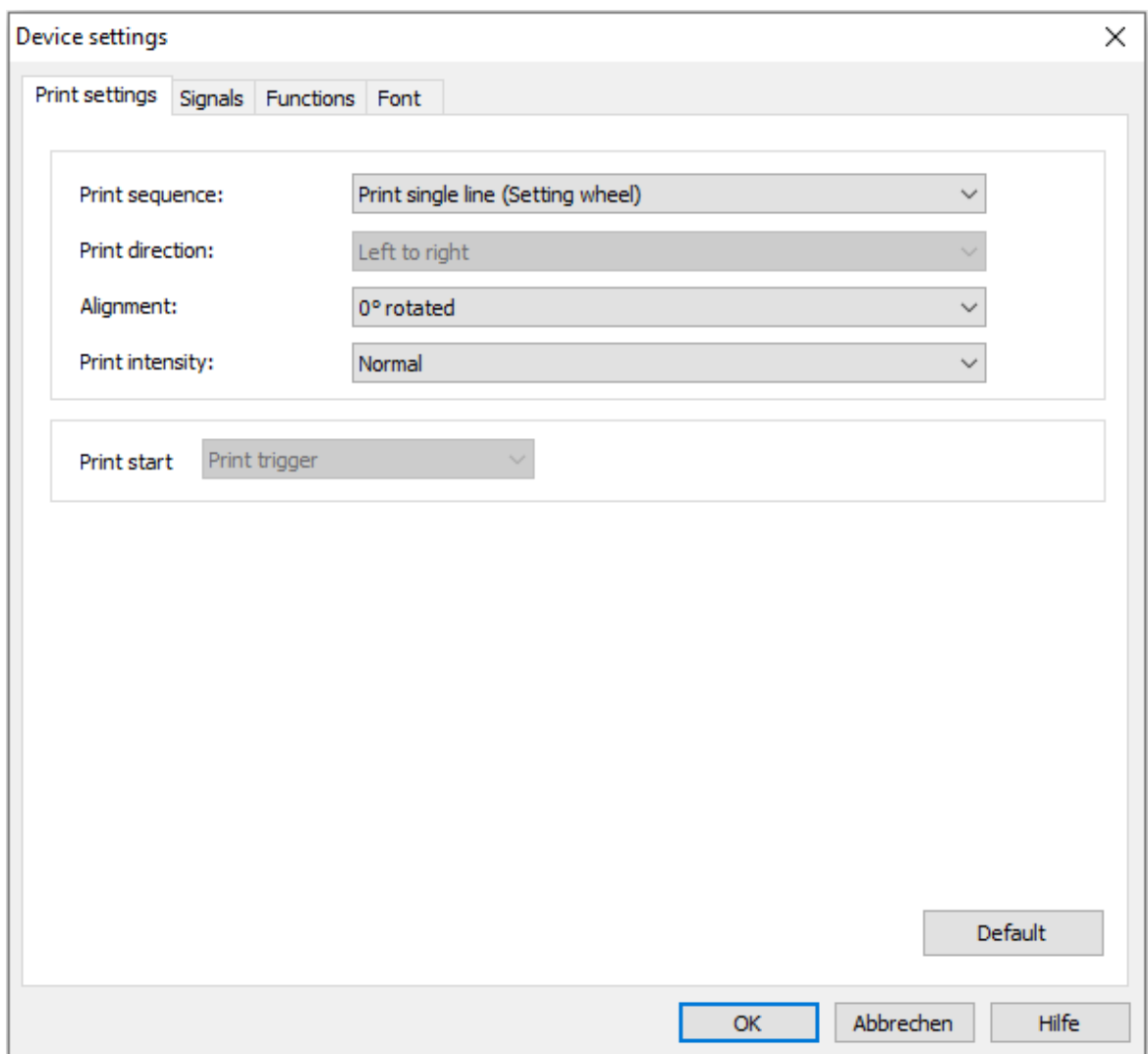
[Printer settings](#)

[Signals](#)

[Functions](#)

[Font](#)

5.3.5.1 Print settings



The screenshot shows the 'Device settings' dialog box with the 'Print settings' tab selected. The dialog has a title bar with a close button (X). Below the title bar are four tabs: 'Print settings', 'Signals', 'Functions', and 'Font'. The 'Print settings' tab contains the following settings:

- Print sequence: Print single line (Setting wheel) (dropdown menu)
- Print direction: Left to right (dropdown menu)
- Alignment: 0° rotated (dropdown menu)
- Print intensity: Normal (dropdown menu)
- Print start: Print trigger (dropdown menu)

At the bottom right of the dialog is a 'Default' button. At the bottom center are three buttons: 'OK', 'Abbrechen', and 'Hilfe'.

[Print sequence](#)

[Alignment](#)

[Print intensity](#)

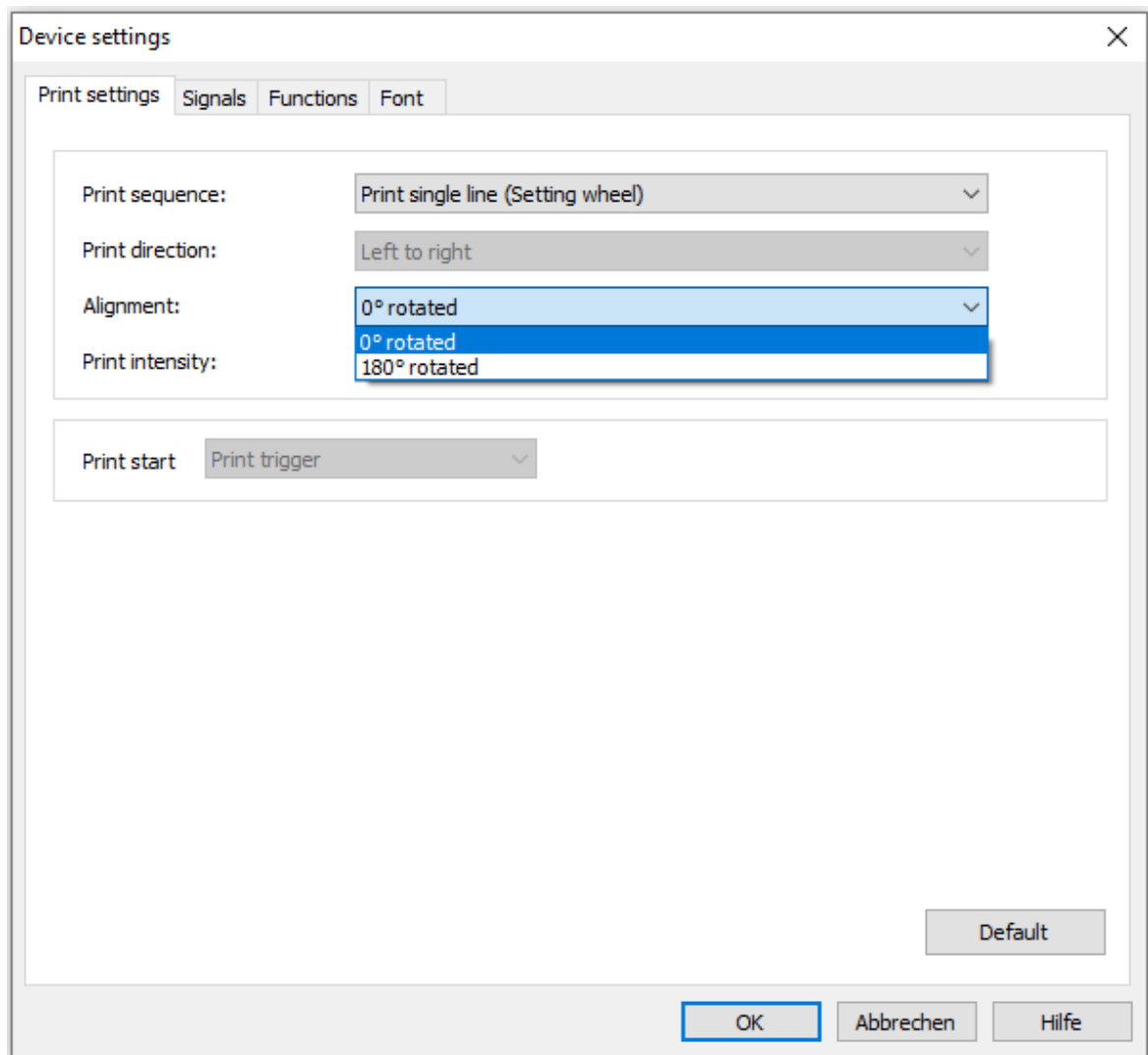
[Print start](#)



5.3.5.1.1 Print sequence


The screenshot shows the 'Device settings' dialog box with the 'Print settings' tab selected. The 'Print sequence' dropdown menu is open, displaying three options: 'Print single line (Setting wheel)' (which is highlighted in blue), 'Print single line (Setting wheel)', and 'Print lines in sequence (1,2,3,4)'. Below this, the 'Print direction' field is empty. The 'Alignment' dropdown is set to '0° rotated', and the 'Print intensity' dropdown is set to 'Normal'. At the bottom of the settings area, the 'Print start' dropdown is set to 'Print trigger'. On the right side of the dialog, there is a 'Default' button. At the very bottom, there are three buttons: 'OK', 'Abbrechen', and 'Hilfe'.

| Function | Description |
|-----------------------------------|---|
| Print single line (Setting wheel) | The selected line is printed once per print trigger. |
| Print lines in sequence (1,2,3,4) | All lines are printed in ascending order, starting with the line set on the setting wheel (1, 2, 3 or 4). |

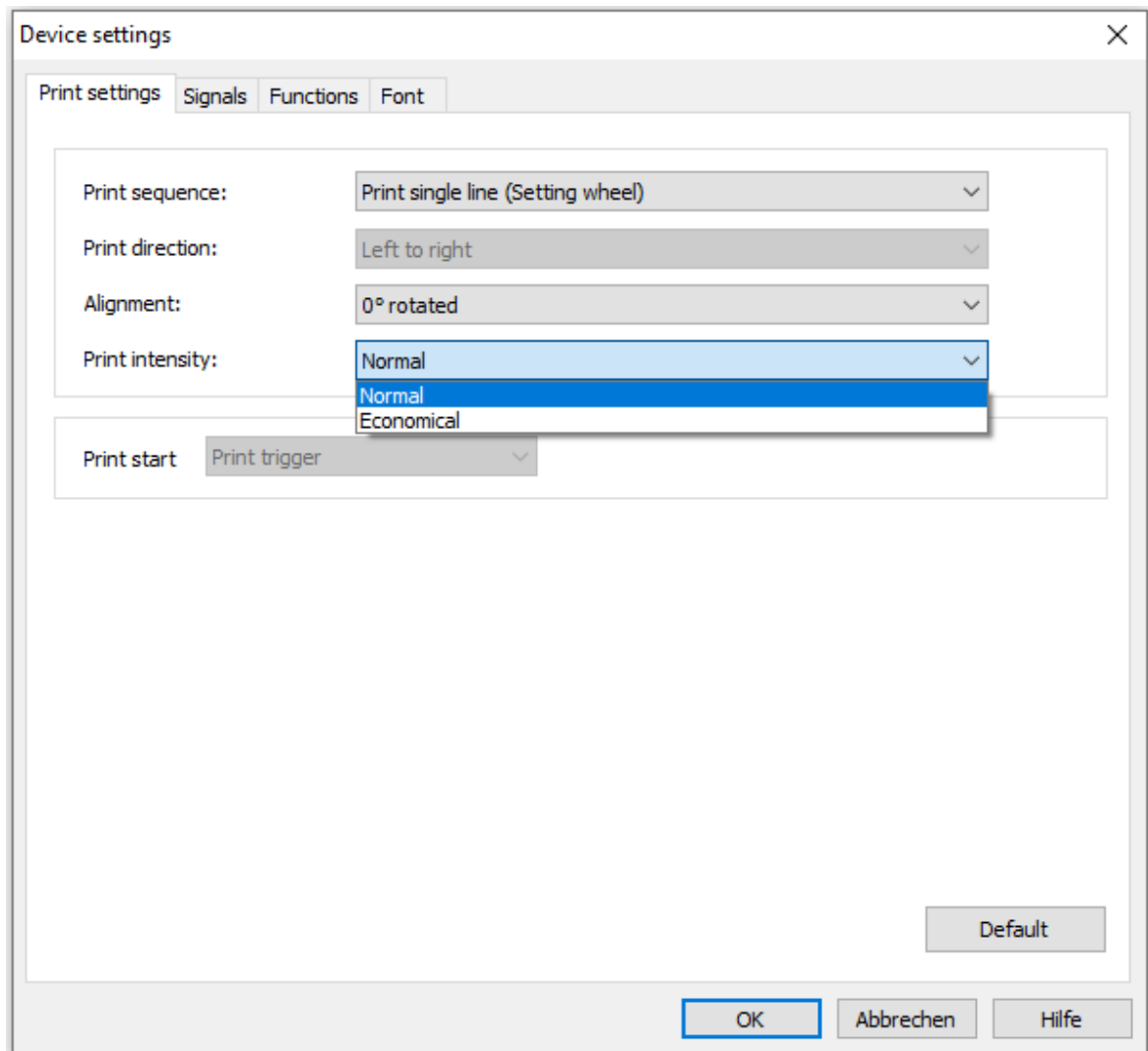
5.3.5.1.2 Alignment



| Function | Description |
|--------------|--|
| 0° rotated |  |
| 180° rotated |  |

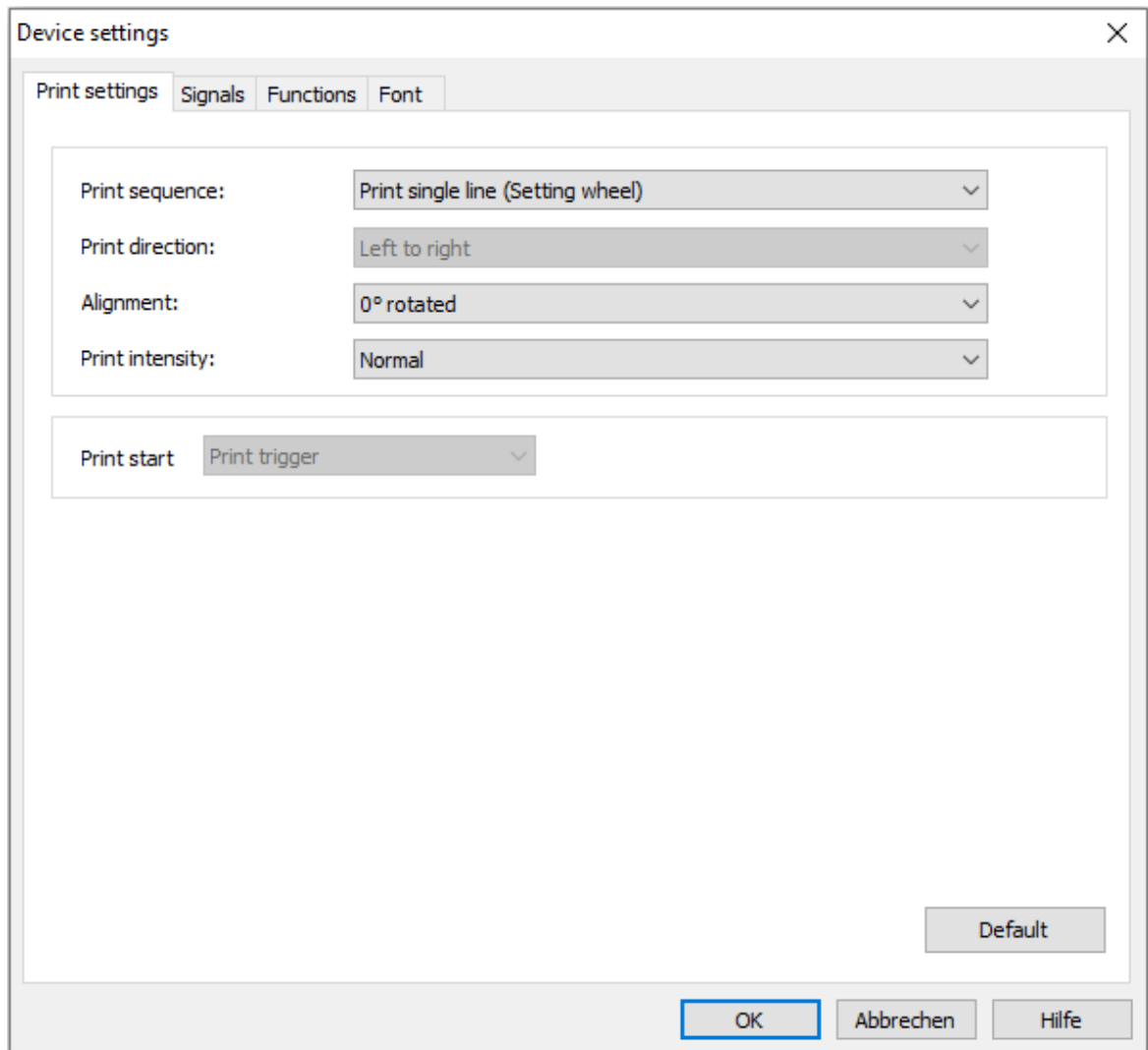
 The 180° rotation is not displayed in the PCset.
The device takes the setting into account when printing.

5.3.5.1.3 Print intensity



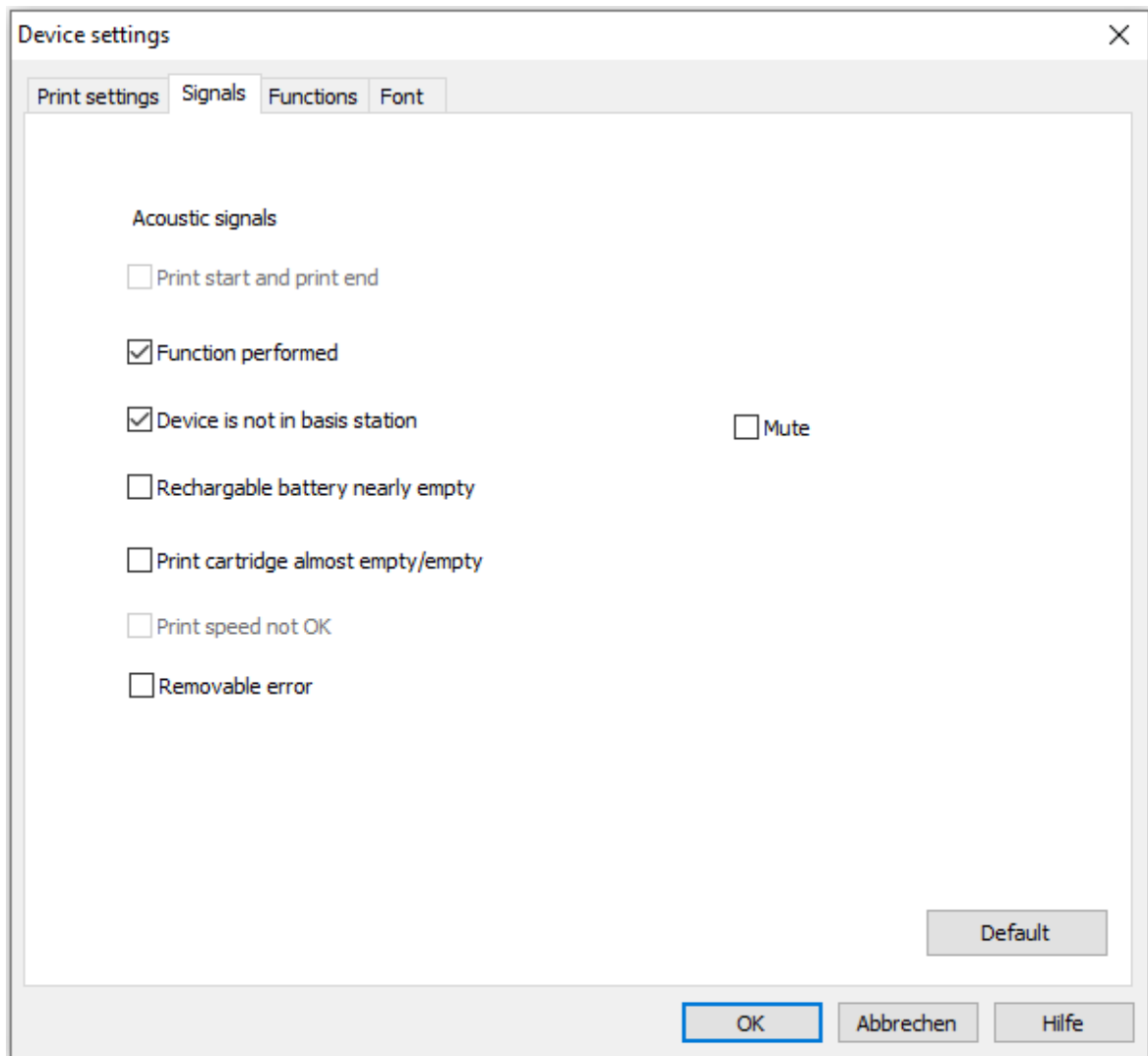
| Function | Description |
|------------|-------------------------------|
| Normal | Default ink consumption. |
| Economical | Reduction of ink consumption. |

5.3.5.1.4 Print start



| Function | Description |
|---|---|
| Print trigger | Imprint is printed as soon as the trigger button is pressed. |
| External print triggering | Imprint is printed as soon as a print signal is sent via the USB cable. |

5.3.5.2 Signals

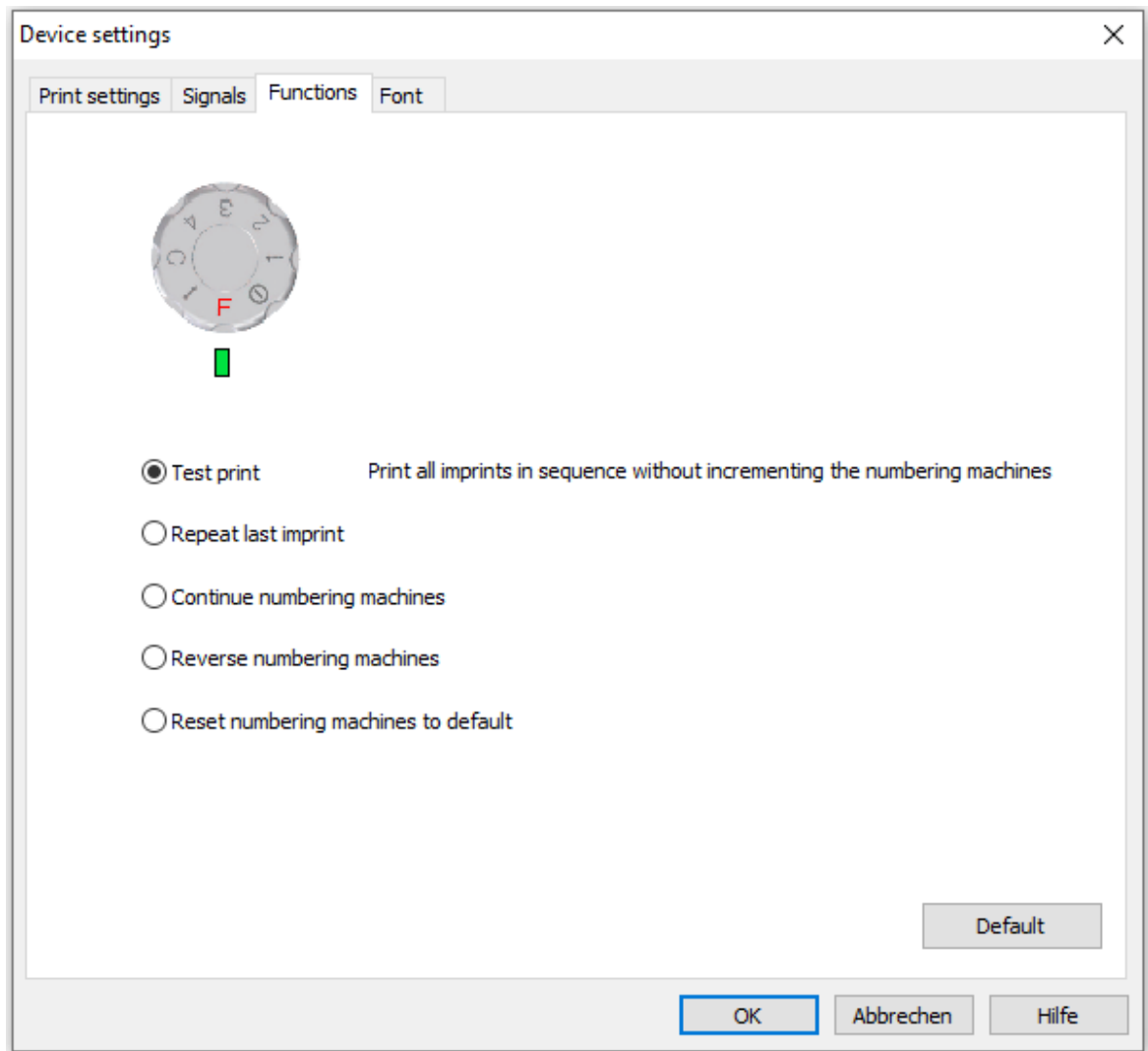


Activation or deactivation of acoustic signals for various events (refer to "[Acoustic signals](#)").

"Function performed": see tab "[Functions](#)".

"Removable errors": see "[Acoustic signals](#)".

5.3.5.3 Functions



[Test print](#)

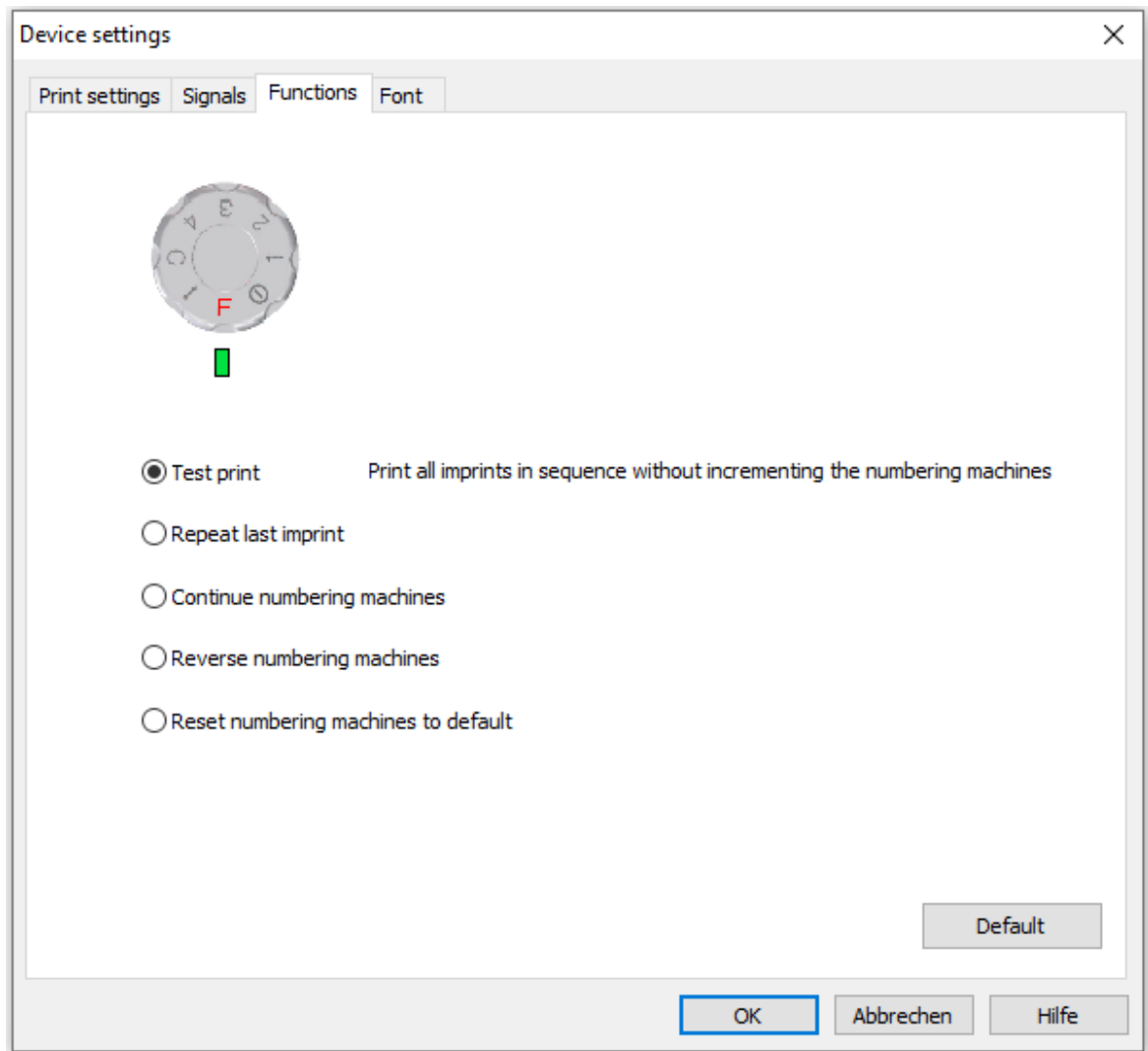
[Repeat last imprint](#)

[Continue numbering machines](#)

[Reverse numbering machines](#)

[Reset numbering machines to default](#)

5.3.5.3.1 Test print

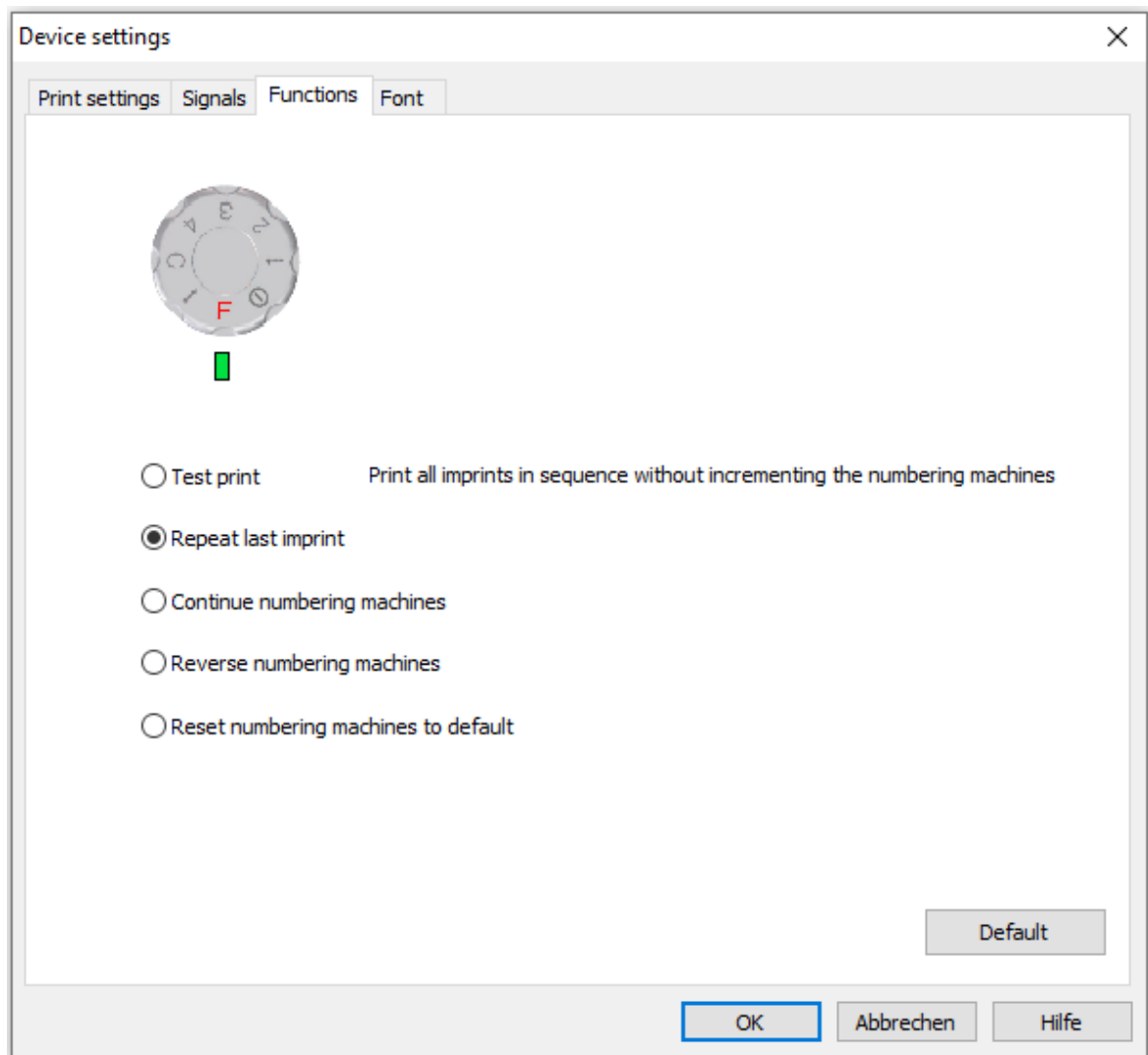


With the function "Test print", all print images can be executed as test prints. The numbering machines are not switched forward. The printing starts with print image no. 1 and is switched to the next print image with each re-triggering.

For the *jetStamp graphic 970*, "Test print" is carried out as follows:

- ▶ Turn setting wheel to position **F**.
- ▶ Print the 4 print images one after another starting with the last one used.

5.3.5.3.2 Repeat last imprint

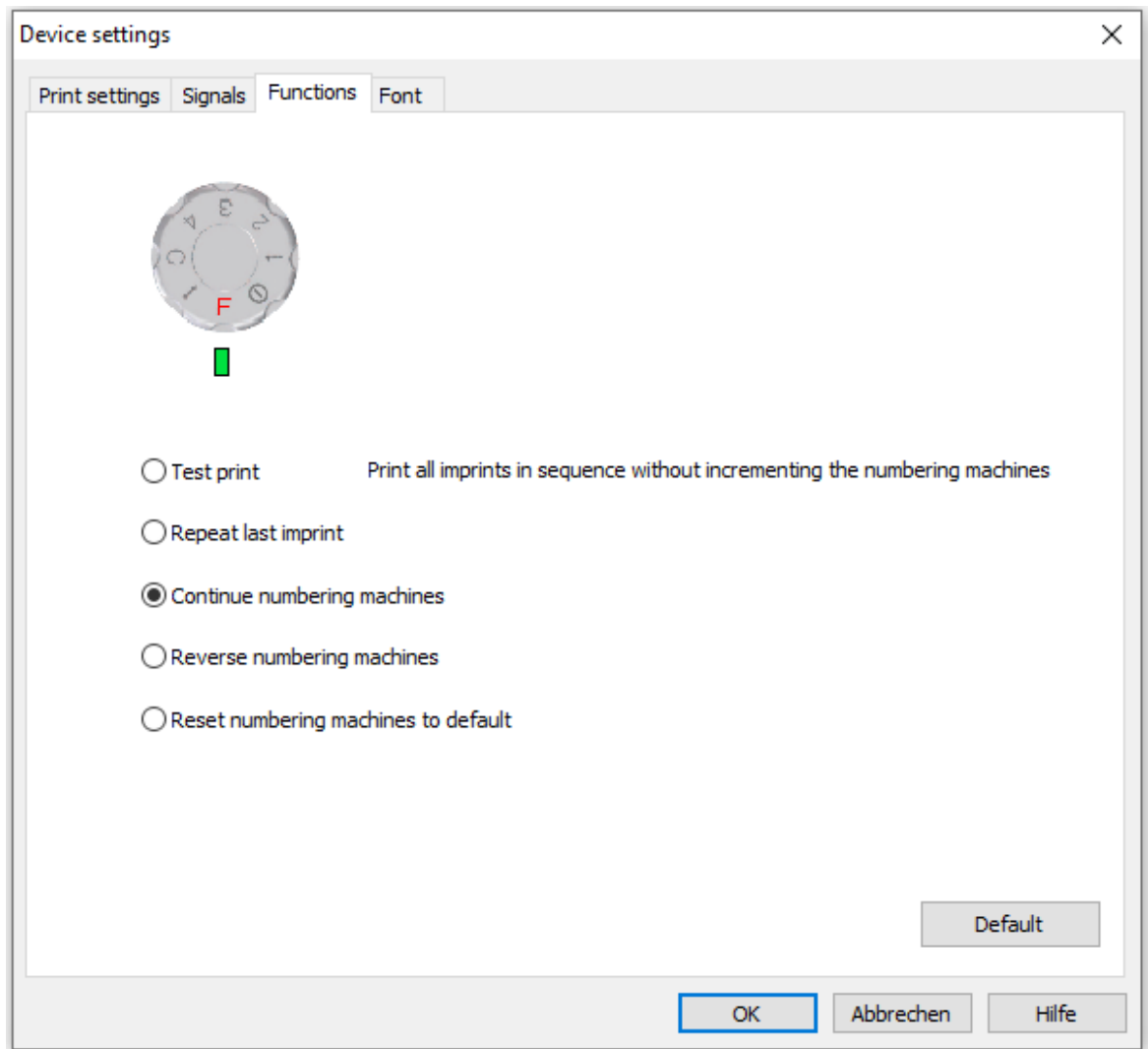


With the function "Repeat last imprint" the last printed imprint can be repeated.
The numbering machines are not switched forward.
The time is continuously updated.

For the *jetStamp graphic 970*, "Repeat last imprint" is carried out as follows:

- ▶ Turn setting wheel to position **F**.
- ▶ Push the trigger button.

5.3.5.3.3 Continue numbering machines



With the function "Continue numbering machines", the numbering machine can be switched forward manually.

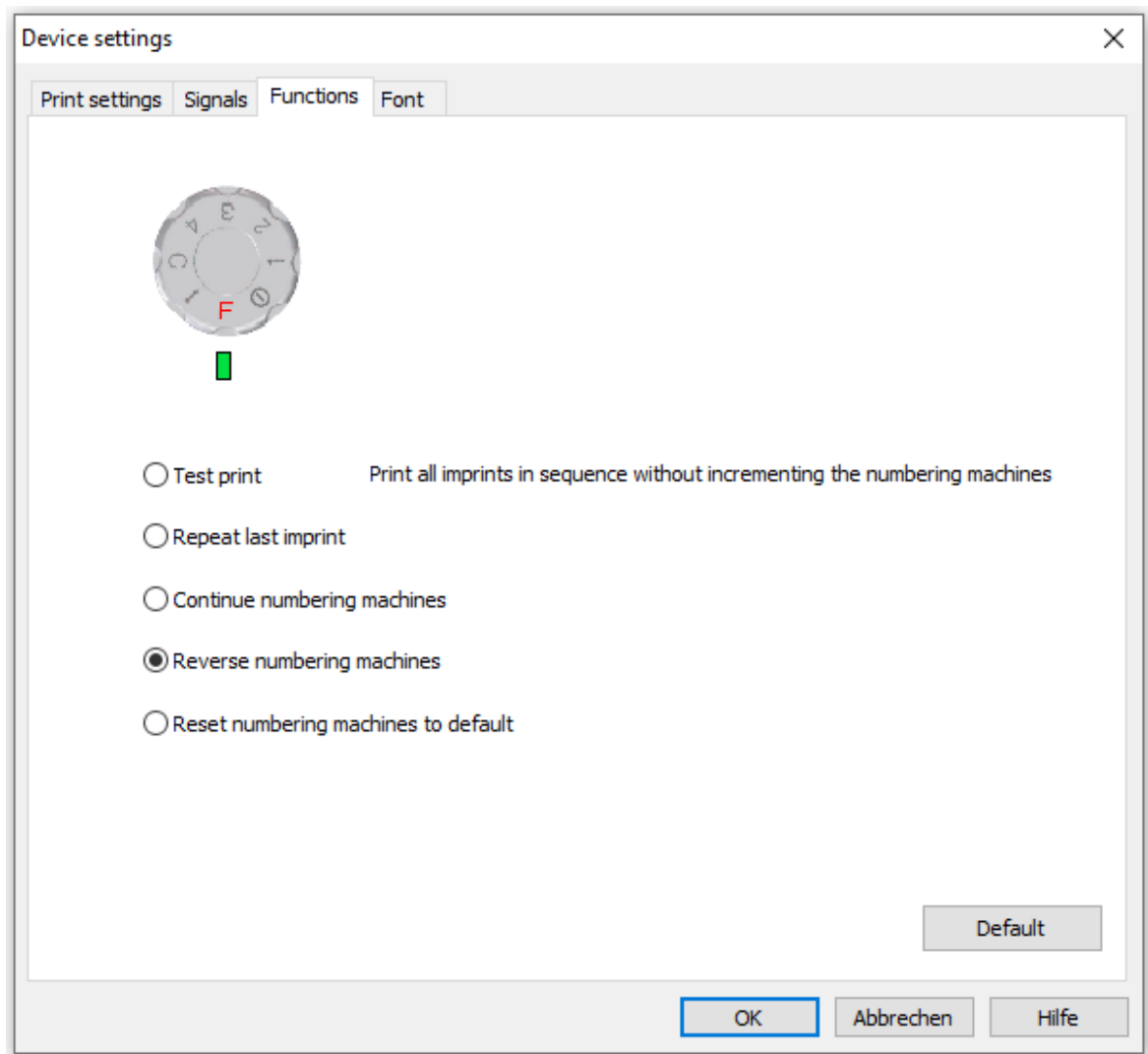
For the *jetStamp graphic 970*, "Continue numbering machines" is carried out as follows:

- ▶ Turn setting wheel to position **F**.
- ▶ Push the trigger button.

An acoustic signal confirms that the numbering machine has switched forward.

i When the function is executed, the numbering machines of the last printed line are switched forward by the set step width in their counting direction. The repetitions of the numbering machines are reset to the set repetition value. If the numbering machine is to be switched forward manually only, 'Repeat' must be set to '0'.

5.3.5.3.4 Reverse numbering machines



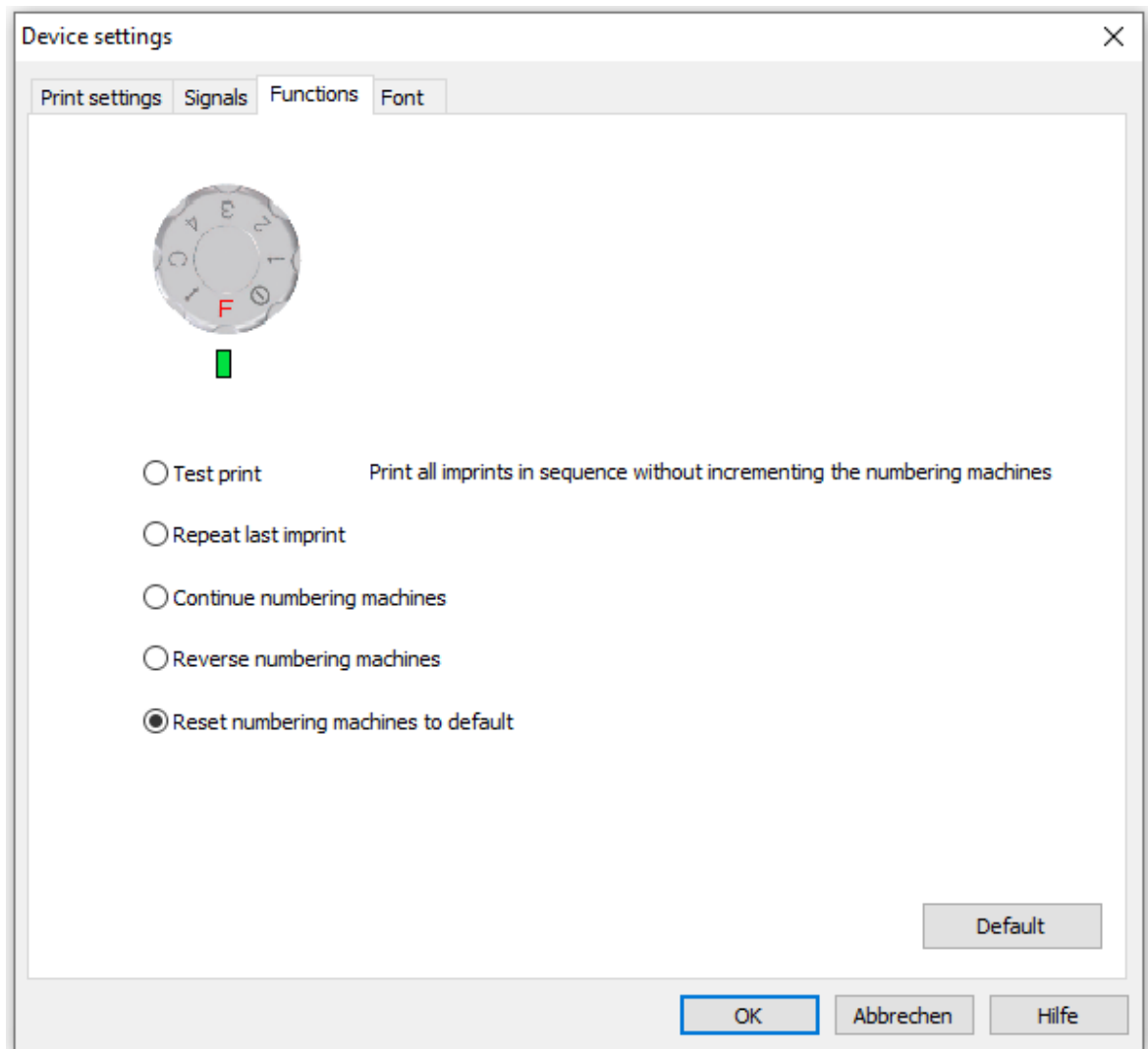
With the function: "Reverse numbering machines" the numbers can be switched back manually in a quick and easy way.

For the *jetStamp graphic 970*, "Reverse numbering machines" is carried out as follows:

- ▶ Turn setting wheel to position F.
 - ▶ Push the trigger button.
- An acoustic signal confirms that the numbering machine has switched forward.

i When the function is executed, the numbering machines of the last printed line are switched back by your set step width in their counting direction. The repetitions of the numbering machines are reset to the set repetition value.

5.3.5.3.5 Reset numbering machines to default



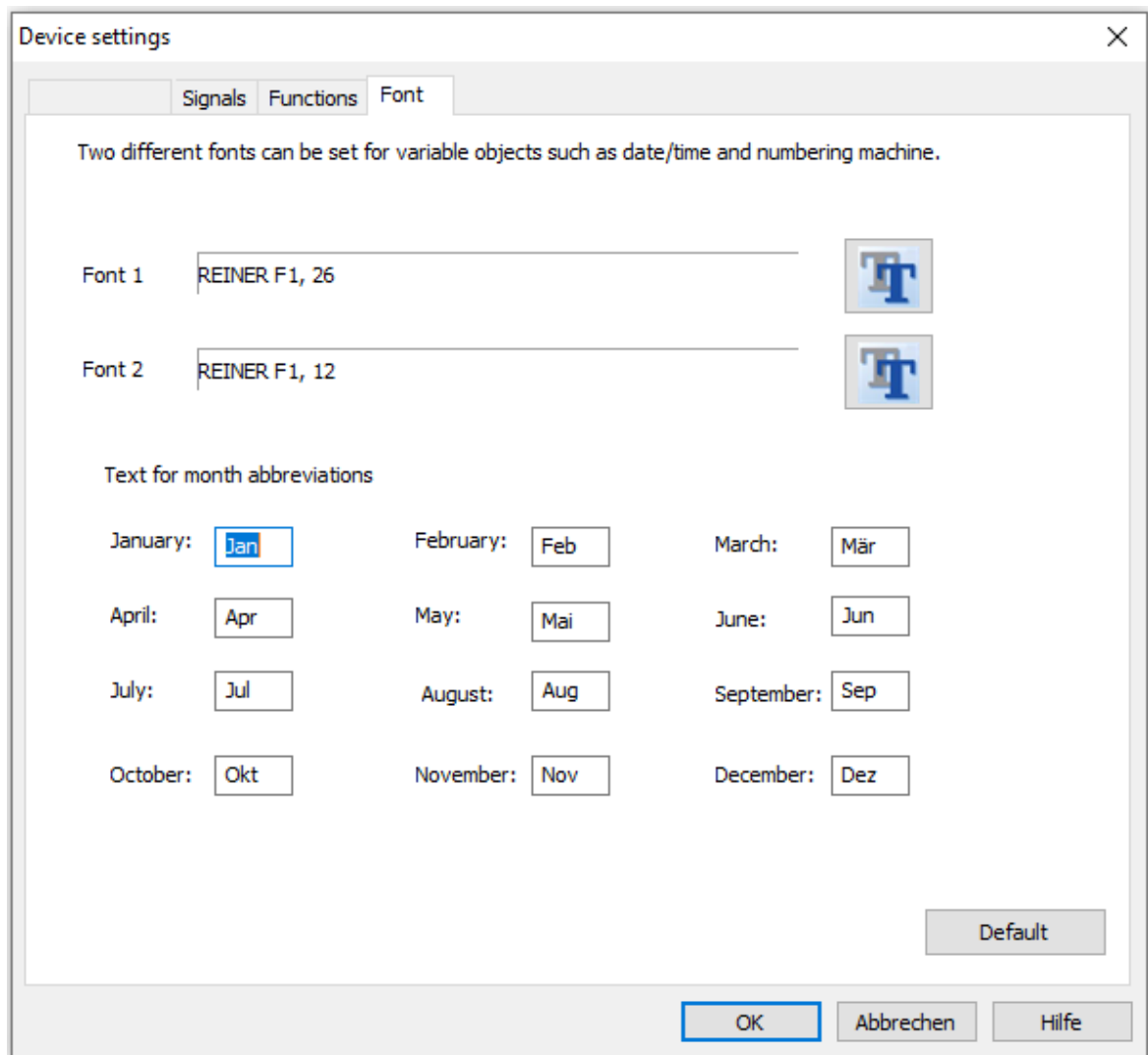
With the function "Reset numbering machines to default" all numbering machines can be reset.




The original value is the minimum value for numbering machines that are counting up and the maximum value for numbering machines that are counting down.

For the *jetStamp graphic* 970, "Reset numbering machines to default" is carried out as follows:

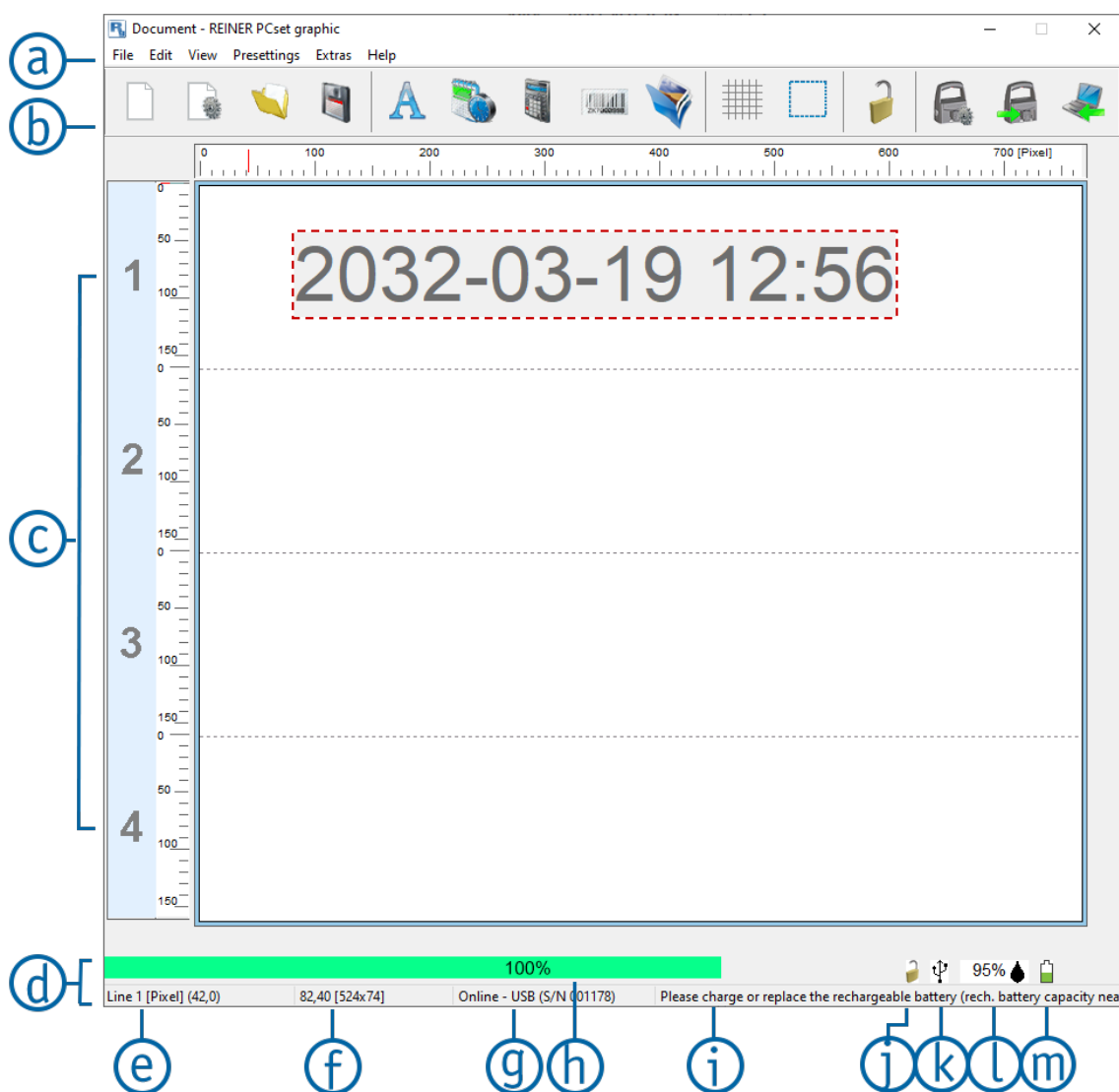
- ▶ Turn setting wheel to position **F**.
 - ▶ Push the trigger button.
- An acoustic signal confirms that the numbering machine has been reset.





5.3.5.4 Font


















-  With "Font 1" and "Font 2", fonts can be stored for the objects date/time and numbering machine.
-  Month abbreviations can be adjusted individually.
-  The font configuration window also appears in the menu bar. Here, select the "File" tab and click on "Device settings - Font".

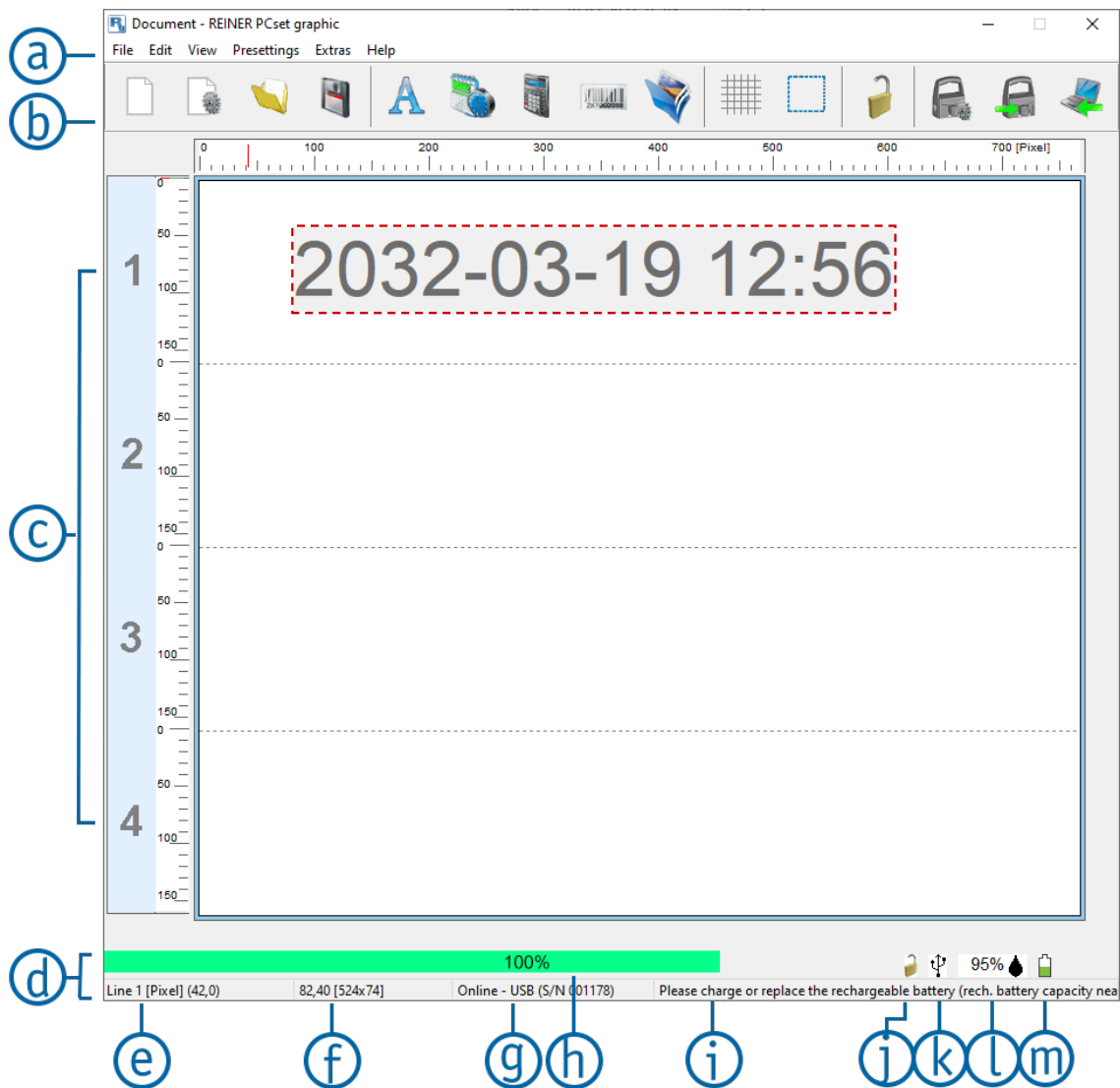
5.3.6 Status indicators



| Function | Description | Note |
|--|---|--|
| Transfer process  | Indicates the progress of the transfer process of the print image | |
| Device security  | Protects print data from misuse | The device security status depends on the status in which the device is. |
|  | Device security is activated | Print images cannot be transferred and printed without entering a password. |
|  | Device security is deactivated | Print images can be transferred and printed without entering a password. |

| | | |
|---|--|--|
| Connection  | Indicates whether the connection is established via USB or Bluetooth | |
|  | Connection is established via USB | |
|  | Connection is established via Bluetooth | |
| Ink level indicator  | Indicates the fill level of the print cartridge in % | |
| Charge indicator  | Indicates the charge state of the battery | |
|  | Battery is full | |
|  | Battery is charging | |
|  | Battery is empty | |
| Cursor position  | Displays the position in the print line | The unit of measurement depends on the unit set under Grid . |
| Object position [object size]  | Position and size of the active/selected object | |
| Online/offline  | Indicates whether the device is connected to the software | |
| Online USB (S/N)  | Device (with serial number) is connected via the USB cable | |
| Online Bluetooth (S/N)  | Device (with serial number) is connected via Bluetooth | |
| Offline  | <ul style="list-style-type: none"> - Device not switched on - USB cable not plugged in - Rechargeable battery empty | |
| Device messages  | Here you will find notes for troubleshooting | |

5.3.7 Device messages



 Device messages  in the status indicator.

General warnings

| Warnings | Cause | Correction |
|--|--|---|
| Please charge or replace the battery | Battery capacity almost empty | ▶ Charge battery |
| Please check the imprint | Print cartridge almost empty | ▶ Insert new print cartridge |
| Please insert a new print cartridge | Print cartridge almost empty | ▶ Insert new print cartridge |
| Put the device back into the basis station | Print cartridges can dry out when not in use | ▶ Place the <i>jetStamp graphic 970</i> into the base station |


Warnings for which an imprint is no longer possible

| Warnings | Cause | Correction |
|---|---|---|
| Please insert print cartridge | <ul style="list-style-type: none"> - No or defective print cartridge - Incorrect print cartridge | ▶ Inserting the print cartridge |
| Please remove and re-insert print cartridge | <ul style="list-style-type: none"> - Print cartridge not inserted correctly - Ink level write error | ▶ Insert print cartridge correctly |
| Please recharge battery | <ul style="list-style-type: none"> - Rechargeable battery empty - No battery/defective battery | ▶ Charge battery ▶ Inserting/replacing the battery |
| Device error xxx | Device error | ▶ Disconnect the device from the power supply for approx. 3 sec (also batteries and USB connection). If the error remains after activation, have the device inspected by the REINER support. |

Warnings displayed in a message box


| Warnings | Cause | Correction |
|-----------------------------|--|---|
| Transfer error | Device defective or missing connection | ▶ Check device/connections and try again |
| Error in barcode generation | Too few characters entered | ▶ 7 characters required ▶ 12 characters required |

Note update

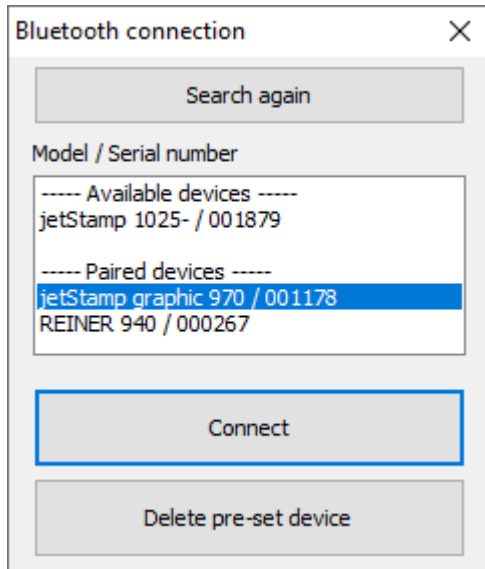
| Note | Details |
|--|--|
|  | <p>This dialogue is automatically displayed if a newer PCset graphic version is available.</p> <p>This dialogue is also displayed if the connected device is not on the latest firmware version.</p> <p>The "New version" internet link leads to the REINER website where you can download the latest version.</p> |

5.4 Establishing Bluetooth connection

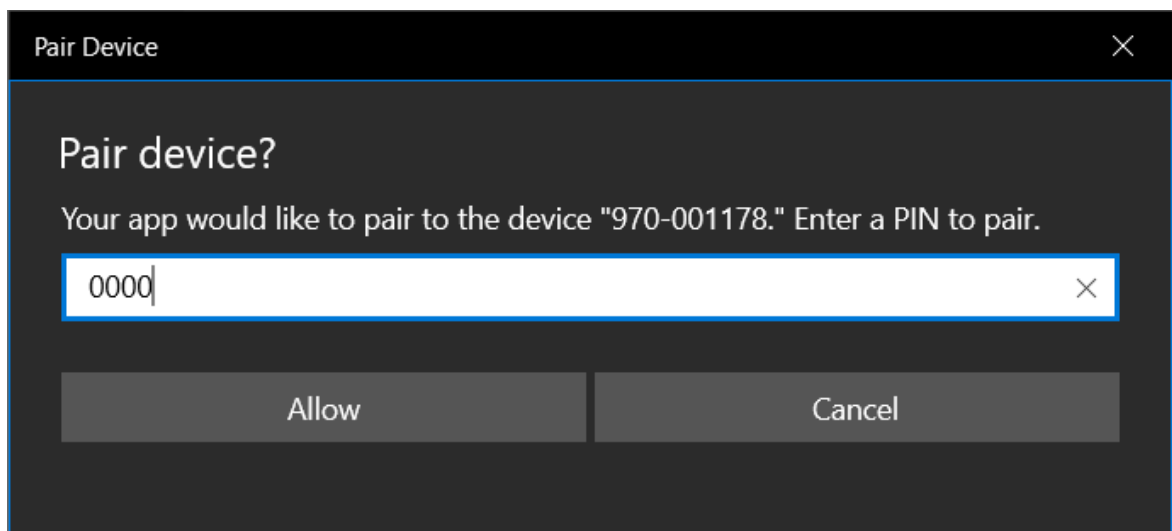
- ▶ To establish a Bluetooth connection, activate Bluetooth (see "[Activate Bluetooth](#)").
- ▶ Open PCset graphic.


- ▶ In the menu bar  select the "File" tab and click "Search for REINER Bluetooth device".
An automatic search is started.
All devices found, as well as all devices that have already been connected to the PCset graphic, are displayed with model and serial number.

 If the *jetStamp graphic970* is not found, a new search run can be started with the "Search again" button.




- ▶ To activate the Bluetooth connection, click on "Connect".
- ▶ A pop-up menu "Add device?" opens in the Windows status bar.
Click on it to enter the factory password "0000".



- ▶ Enter the factory password "0000" and click on "Allow".
The *jetStamp graphic 970* is connected to the PCset graphic.
-  The connected device is saved as a permanent connection so that the PCset graphic always connects to this device as soon as it is available.

- ▶ To cancel the permanent connection, click the "Delete pre-set device" button in the Bluetooth dialogue or establish a connection with another device.

5.5 Example workflow: Generating the print image

 When you load your own print images, all 4 of the print images stored in the device will each be shifted. The factory pre-installed print images can be uploaded to the software in advance and saved as XML files ("[Menu commands Toolbar](#)").

[Configuring the print image](#)



[Transfer the print image to the jetStamp graphic 970](#)

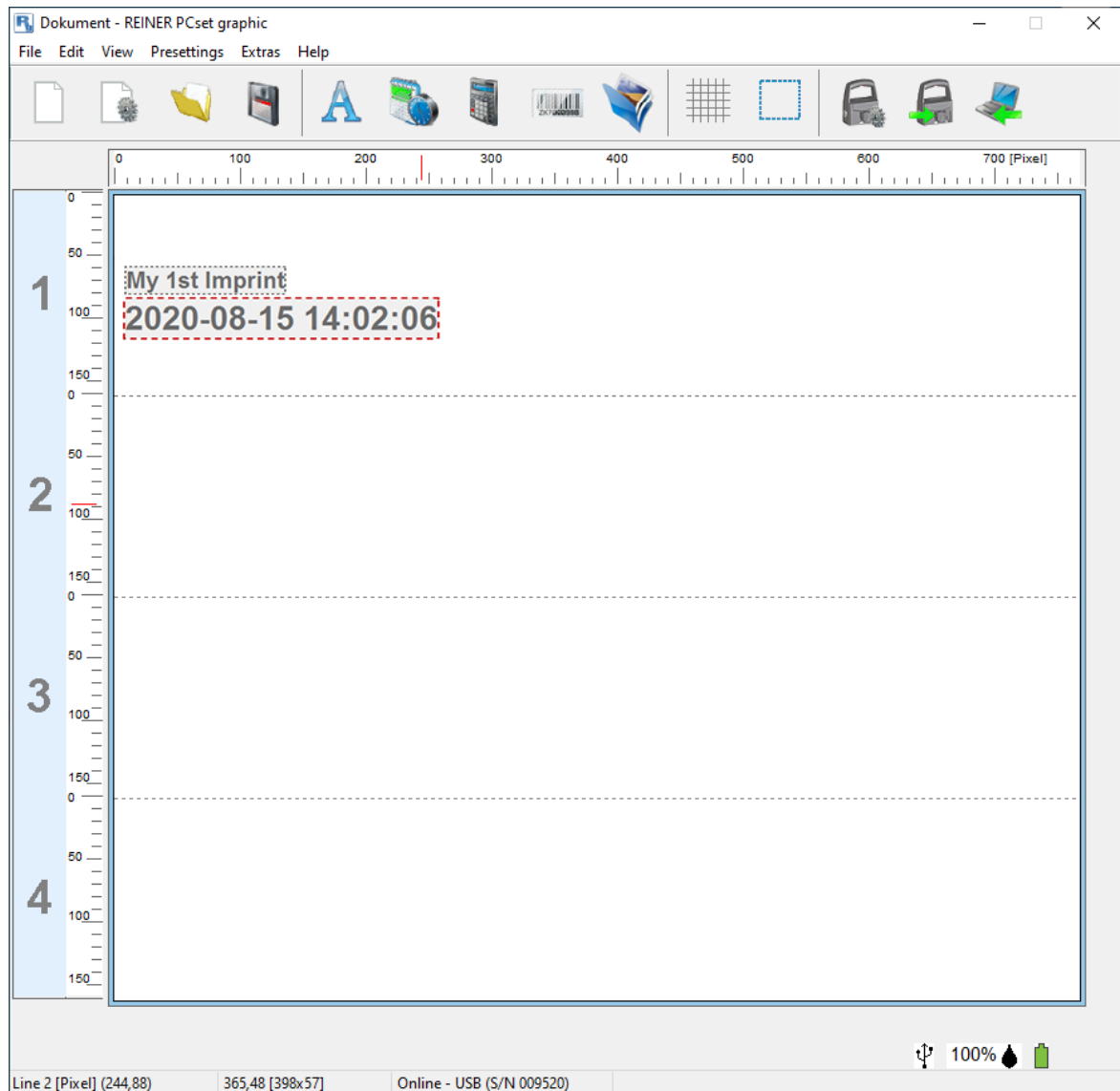
[Printing the print image](#)

[Number of imprints](#)

5.5.1 Configuring the print image


Insert text and date/time

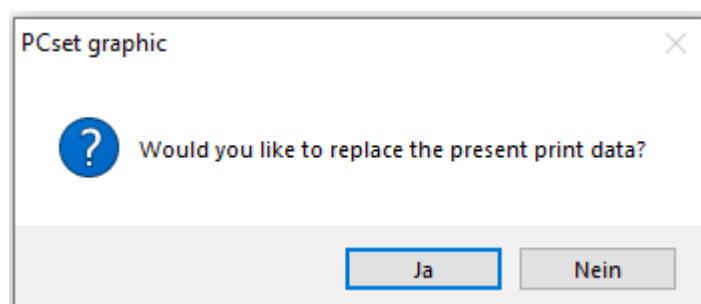
- ▶ To create a text object, use the left mouse button to drag the **text symbol**  to line 1 (print image 1) and release it at the desired position.
- ▶ Write the desired text into the text field.
- ▶ To place the text object, double-click in the text field.
- ▶ To create a date/time object, use the left mouse button to drag the **date/time symbol**  into line 1 (print image 1).
- ▶ Release at desired position.



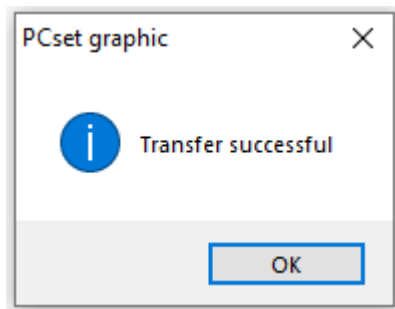
 For more commands and objects see "[Toolbar](#)" and "[Objects](#)".

5.5.2 Transfer the print image to the jetStamp graphic 970

- ▶ Click on the **transfer icon** .
- ▶ Confirm the following dialogue window with **Yes**.



If the transfer was successful, the following message appears after a few seconds.



- ▶ Confirm the message with **OK**.
The print image is stored in the *jetStamp graphic 970* and can be printed.

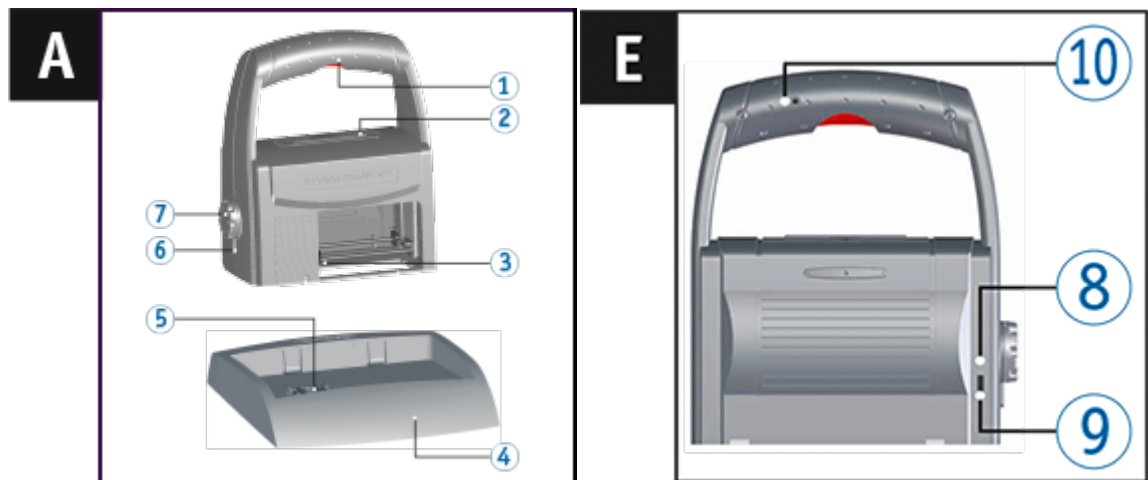
5.5.3 Printing the print image

WARNING


Possible blindness due to eye contact with ink.

- ▶ Do not point the nozzles **15** of the *jetStamp graphic 970* at people's faces!

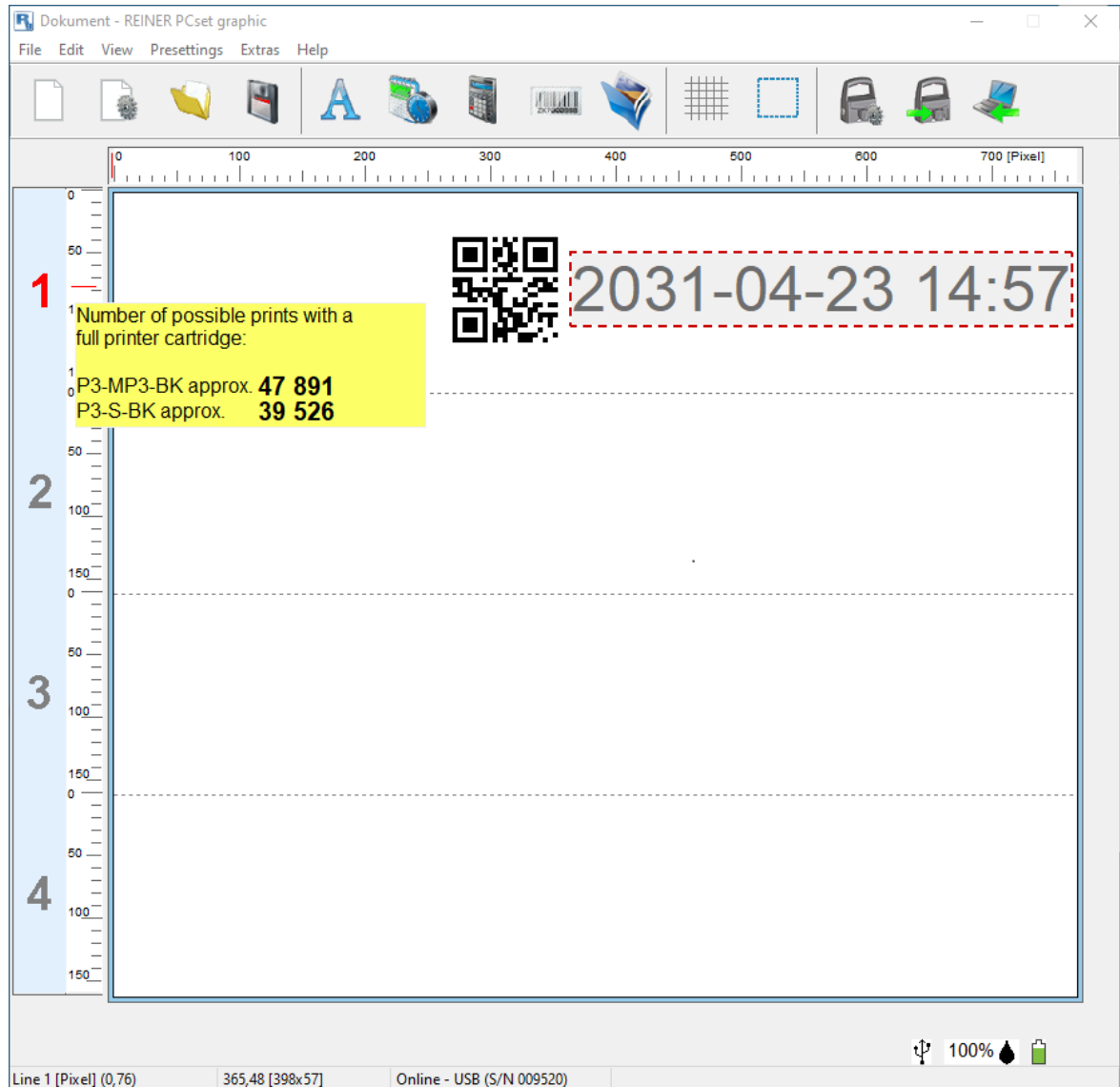
Print the print image ⇒ Fig. **A** + **E**



- ▶ Set setting wheel **7** to position 1.
 - ▶ Place the device on a flat surface to be printed.
 - ▶ Push the trigger button **1**.
- The example print image 1 is printed.

-  Return *jetStamp graphic 970* to the basis station to prevent drying of the ink.
- Observe acoustic signal of the *jetStamp graphic 970* (see "[Acoustic Signals](#)").



5.5.4 Number of imprints



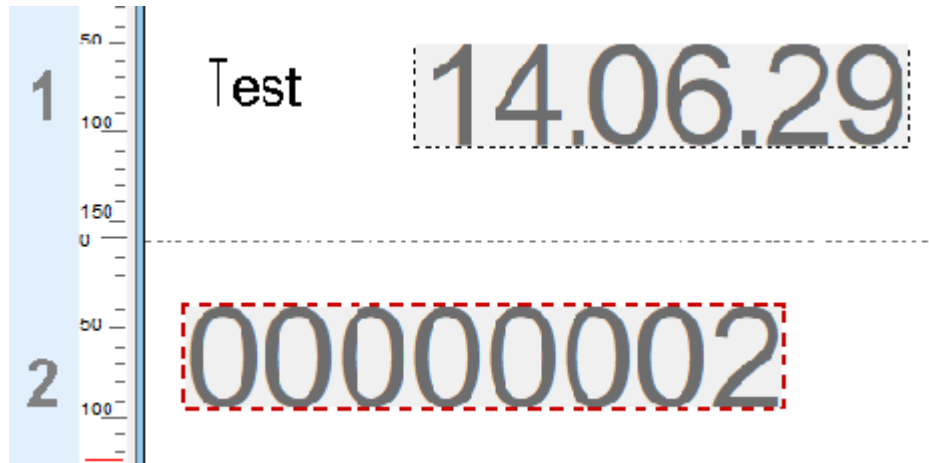
i The number of possible imprints with a full print cartridge is displayed by positioning the mouse pointer on the print image number.

5.6 Objects settings



 The settings of the objects can also be selected in the menu bar  by clicking the "Presettings" tab or via the context menu.

 The active object is framed in red in the print area.



[Text](#)

[Date/Time](#)

[Numbering machine](#)

[Barcode](#)


[Graphic](#)

5.6.1 Text



Creates text fields.

The object can be positioned exactly by using the grid.

 If the grid is enabled, the font size is adjusted.
Example: If a grid of 4 lines is set, the text object has the height of one line.


[Presettings](#)

[Context menu text object](#)

[Generate graphic](#)

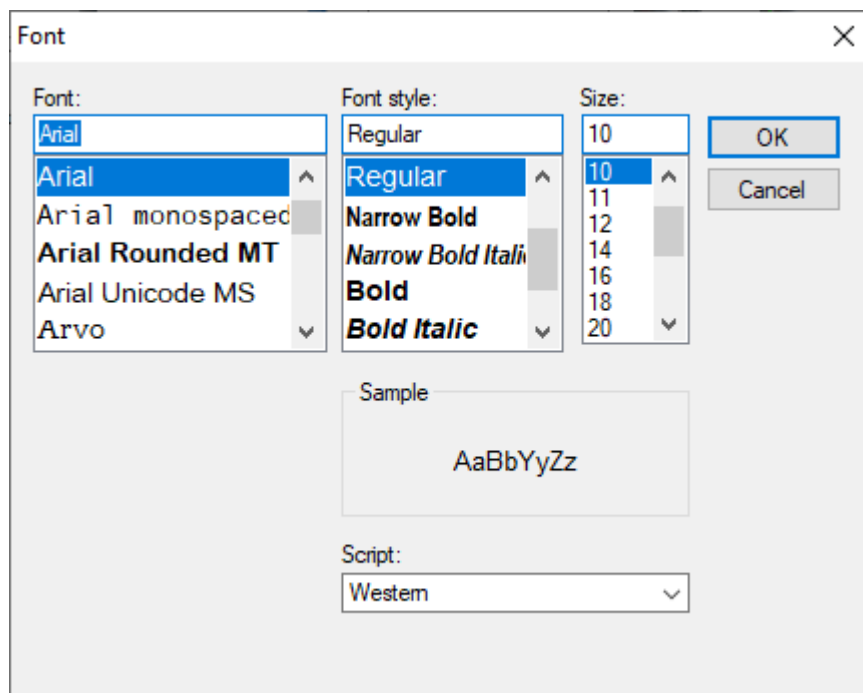
5.6.1.1 Presettings

Changed presettings apply to all future text objects.

- In the menu bar  select the "Presettings" tab and click "Text".
The configuration window for texts appears.

The configuration window for "Texts" is divided into four sections:

- Font
- Font style
- Font size
- Script



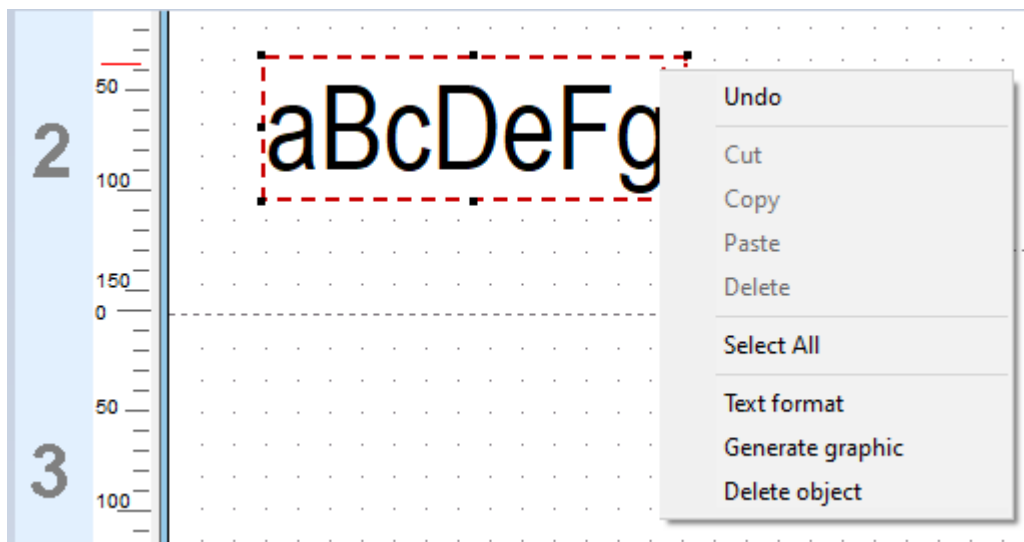
Presettings text

| Function | Description |
|------------|--|
| Font | Selection from the list of installed fonts on the current system. |
| Font style | Select the desired font style from the list (standard, bold, italic or bold italic). |
| Font size | Select or enter the font size in points. |
| Script | Displays a list of available language scripts for the specified font. |

5.6.1.2 Context menu text object

If a text object is inserted ("[Objects](#)"), the configuration corresponds to the default settings (refer to "[Presettings](#)"). The context menu can be used to individually set each text object deviating from this.

- To open the context menu, right-click the desired text object.
The context menu opens as in the following figure.



| Function | Description |
|------------------|---|
| Undo | Undo the input. |
| Cut | Cuts out the selected area. |
| Copy | Copies the selected area. |
| Paste | If there is a text in the clipboard, it will be pasted. |
| Delete | Deletes the selected area. |
| Select all | Marks the entire text. |
| Text format | To change the font. |
| Generate graphic | Converts the text to a graphic and fixes it at the current position. Note: the text cannot be edited anymore after conversion. |
| Delete object | Deletes the object. |


- i** Press Ctrl+Enter to jump to the next line.
Enter or double-click fixes the object, which then can no longer be edited.

Inactive object



| Function | Description |
|------------------|--|
| Copy | Copies the object. |
| Edit | Object becomes active and can be edited. |
| Generate graphic | Converts the text to a graphic. Note: the text cannot be edited anymore after conversion. |
| Delete object | Deletes the object. |

5.6.1.3 Generate graphic

 Text and barcode objects can be converted into graphics. Graphics are fixed and can no longer be moved. Limited editing is possible via the additional function "Selection".

- ▶ Click the object with the right mouse button.
- ▶ Select "Generate graphic".
The object has been converted to a graphic.

5.6.2 Date/Time




Font, font style, font size ("[Font](#)") and format can be set.

The date/clock time format can be globally preset.

Additionally, deviating settings can be performed for every single date/clock time object ("[Context menu date/clock time object](#)").

 A maximum of five date/time objects can be placed.


 The daylight saving time for Europe is preset at the factory and can be changed directly in the PCset graphic software under Menu - [Extras](#).

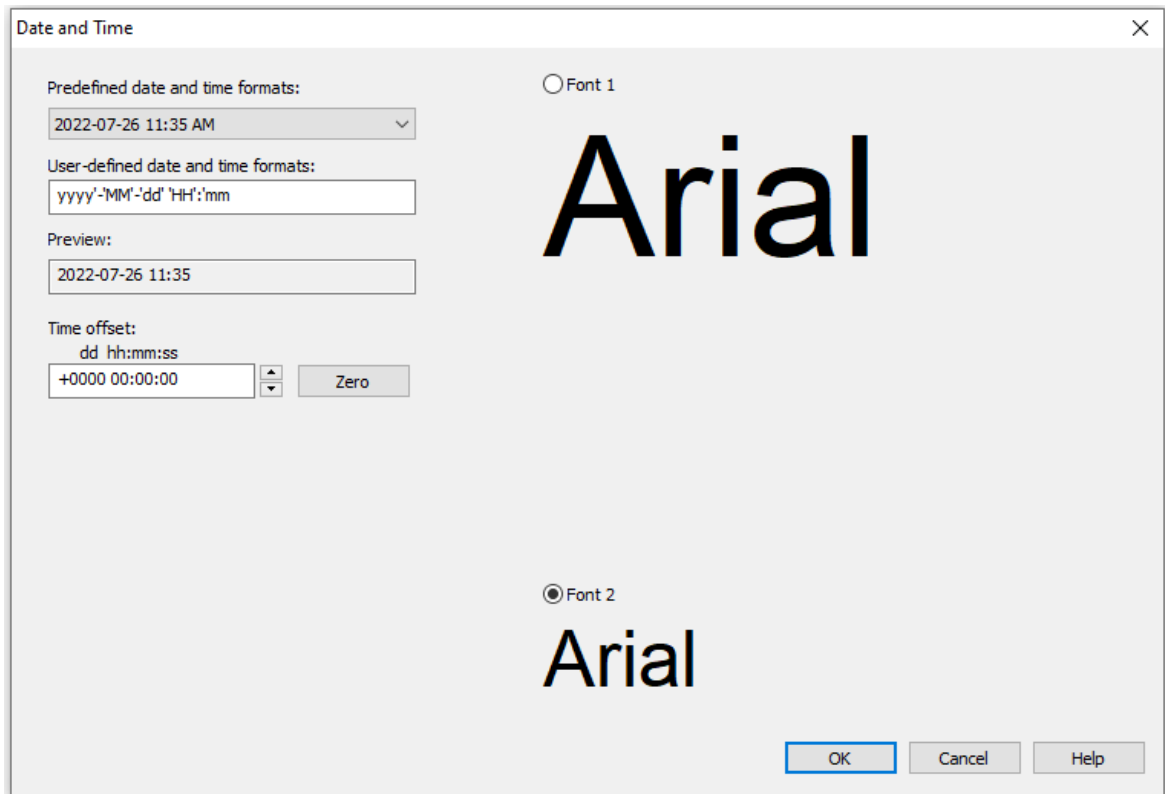
[Presettings](#)

[Context menu date/time object](#)

5.6.2.1 Presettings

Changed presettings apply to all future date/time objects.

- ▶ In the menu bar  select the "Presettings" tab and click "Date/time".
The configuration window for "Date and time" opens as shown in the following figure:



[Tab date and time](#)

[Font](#)

5.6.2.1.1 Tab date and time

| Function | Description |
|------------------------------------|--|
| Predefined date and time formats | List of preconfigured formats. Selection by clicking. |
| User-defined date and time formats | Shows the selected format in the draft view. The format can be manually configured. One abbreviation of a category each from the following table "Format abbreviation" can be used once. Additional characters (also spaces) are inserted by being included in simple apostrophes ('). For verification, the text is written in "red" once the entered format is no longer OK. |
| Preview | Preview of the selected format with the current system date. |
| Time offset | The configuration of an offset for date and time can be used, for example, to automatically calculate expiration dates. Enter or select offset, refer to example. |

Example for time offset:
Inactive offset:

User-defined date and time formats:

Preview:

Time Offset:

dd hh:mm:ss

Example: for a shelf life of 1 year, the entry is made with +0365:

User-defined date and time formats:

Preview:

Time Offset:

dd hh:mm:ss

The set values are added to the current system date. The result appears under the preview function.


Format abbreviation



| Function | Description |
|----------|---|
| dd | Day of the month with two figures (01 to 31) |
| ddd | Calendar day with three figures (001 to 365) Example: 28 May 2019 = 148.2019 |
| MM | Month of the year with two figures (01 to 12) |
| MMM | Abbreviation for the month (up to 3 characters) |
| yy | The last two figures of the year (00 to 99) |
| yyyy | Complete year (0000 to 9999) |
| HH | Hour with two figures (00 to 23) |
| hh | Hour with two figures (01 to 12) |
| mm | Minutes with two figures (00 to 59) |
| ss | Seconds with two figures (00 to 59) |
| t | One character for twelve-hour format with the letters A or P |
| tt | Two characters for twelve-hour format with the letters AM or PM |

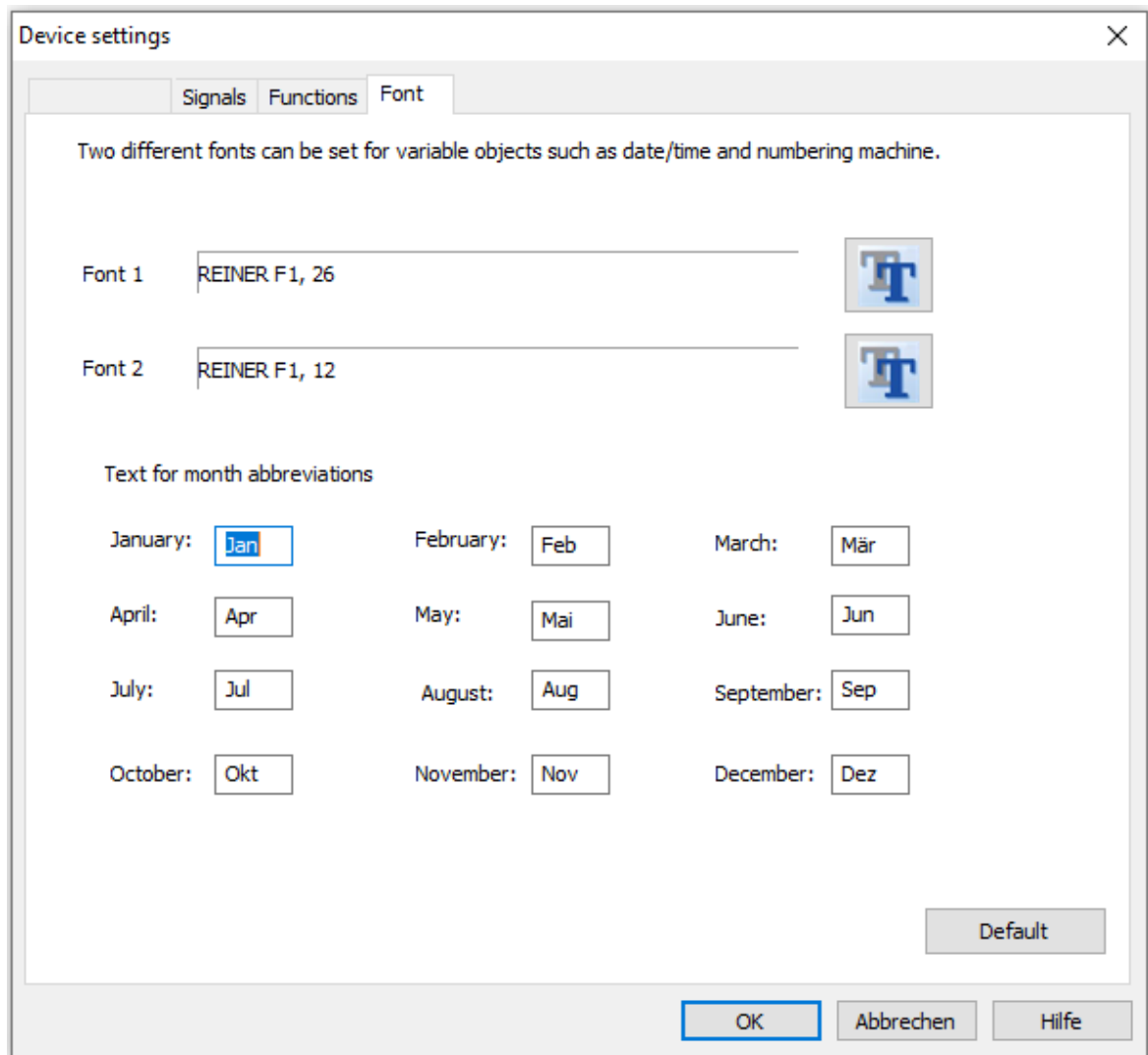
5.6.2.1.2 Font

 With "Font 1" and "Font 2", fonts can be stored for the objects date/time, numbering machine.

Changed fonts affect all future objects.

"Font 1" and "Font 2" are configurable in the menu bar  by clicking the tab:

"File → Device settings → Font" or in the toolbar  via the button .
(see "Font").



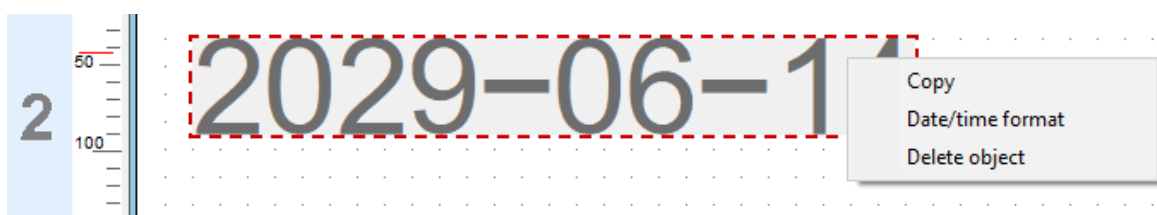
 Month abbreviations can be adjusted individually.

5.6.2.2 Context menu date/time object

If a date/time object is inserted ("[Objects](#)"), the configuration corresponds to the default settings ("[Presettings](#)"). The context menu can be used to individually set each date/clock time object deviating from this.

- To open the context menu, right-click the desired date/time object.

The context menu opens as in the following figure.



| Function | Description |
|------------------|---|
| Copy | Copies the object. |
| Date/time format | Opens the configuration window for date and time for the selected date/time object. |
| Delete object | Deletes the object. |

5.6.3 Numbering machine



The numbering machine is used for sequential numbering.

Starting value, repetitions, step and step direction, as well as font, font style and font size ("[Font](#)") can be set. The numbering machines format can be globally preset.

Additionally, deviating settings can be performed for every single numbering machine object ("[Context menu numbering machine object](#)").



A maximum of five numbering machine objects can be placed.



The numbering machine status of a numbering machine is incremented **after** each imprint according to the set step, repetitions and counting direction.

Note: The following configuration can produce nonsensical print images:

- Print sequence "Print lines in sequences"
- Numbering machines linked to each other, each with different repetitions


[Presettings](#)

[Context menu numbering machine object](#)

5.6.3.1 Presettings

Changed presettings apply to all future numbering machine objects.



Select the tab format and click "Numbering machine" in the menu bar . The configuration window for numbering machines appears.

The configuration window for numbering machines is divided into three sections:

- Settings
- Number circle
- Font

Numbering machine

Settings

Step width: 1

Repetitions: 1

☐ Counting direction backwards
 ☒ Leading zeros

Number circle

Minimal: 0

Maximal: 99999999

Numbering machine status: 0

☐ Font 1

REI

☒ Font 2

REINER

OK

Cancel

Help

[Settings](#)
[Number circle](#)
[Font](#)

5.6.3.1.1 Settings

| Function | Description |
|------------------------------|---|
| Step | Indicates the interval at which the numbering machine counts on (e.g. 1,4,7... in steps of 3). |
| Repetitions | Indicates the number of repetitions of a print image. If, e.g., the value 3 is set, the numbering machine remains on the same number for three imprints before it counts on. The repeat factor can be set from 0 to 99. The numbering machine switches on at the value 0. |
| Counting direction backwards | The numbering machine can count forwards (e.g. 10,11,12,...) or backwards (e.g. 10,9,8...). |
| Pre Zeros | Leading zeros can be suppressed or printed (e.g. 5 or 0000005). The number of printed figures depends on the maximums value set at "number circle". |


5.6.3.1.2 Number circle

The number circle defines the value range in which a numbering machine counter.


When the maximum or minimum value is reached (for upwards or downwards counting numbering machine), the count is continued at the respective other end of the scale.



| Function | Description |
|--------------------------|--|
| Minimum | This value marks the lower limit of the number circle. |
| Maximum | This value marks the upper limit of the number circle. |
| Numbering machine status | The current counter reading can be set within the defined value range. |

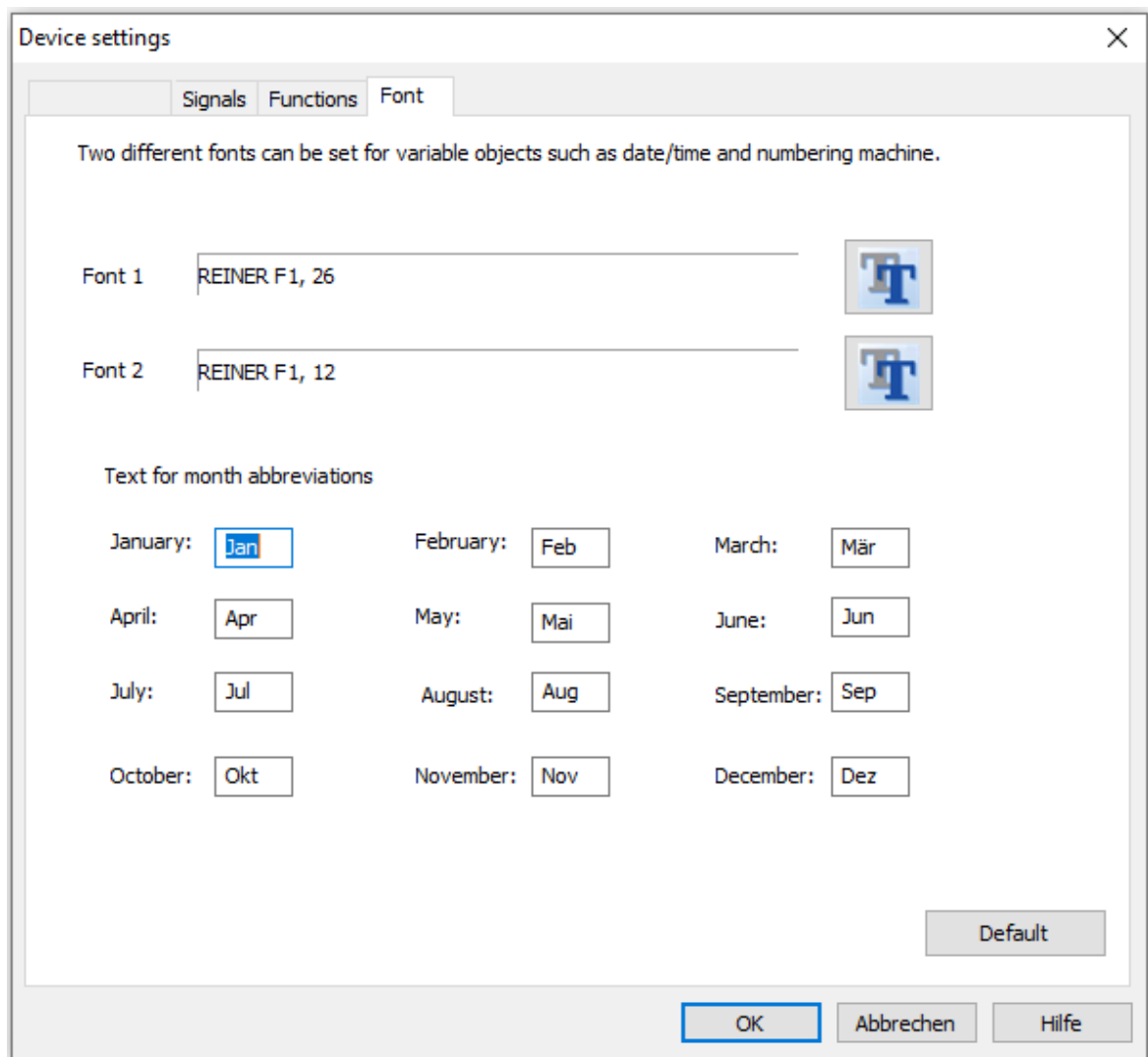
5.6.3.1.3 Font


 With "Font 1" and "Font 2", fonts can be stored for the objects date/time and numbering machine.

Changed fonts affect all future objects.

"Font 1" and "Font 2" are configurable in the menu bar  by clicking the tab:

"File – Device settings - Font" or configurable in the toolbar  via the button 
(see "[Font](#)").

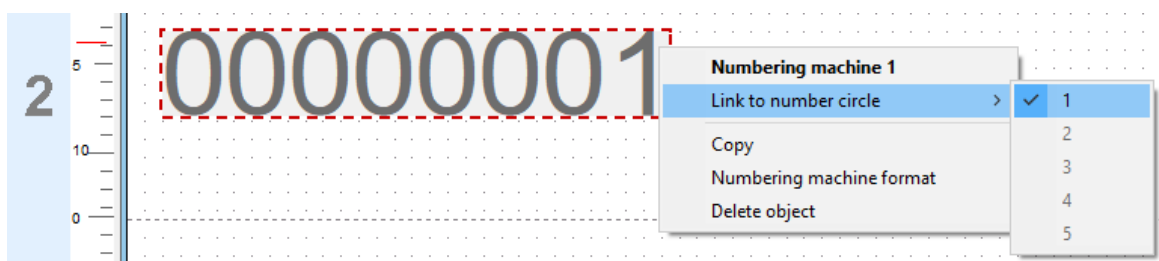


 Month abbreviations can be adjusted individually.

5.6.3.2 Context menu numbering machine object

If a numbering machine object is inserted ("[Objects](#)"), the configuration corresponds to the default settings ("[Presettings](#)"). The context menu can be used to individually set each numbering machine object deviating from this.

- To open the context menu, right-click the desired numbering machine object.
The context menu opens as in the following figure.



| Function | Description |
|--------------------------|---|
| Numbering machine | The number of the selected numbering machine object (1-5) is displayed. |
| Link to number circle | <p>Each numbering machine (1-5) is first linked to a separate number circle (1-5).</p> <p>If several numbering machine objects are placed, the numbering machine selected can be linked to the number circle of another numbering machine. The dedicated number circle is rendered inactive by this.</p> <p>The link is used to synchronise the counter reading of different numbering machines.</p> <p>Each printing system of a linked numbering machine updates the counter reading of the shared number circle.</p> |
| Copy | Copies the object. |
| Numbering machine format | <p>Opens the numbering machine configuration window for the selected numbering machine.</p> <p>The numbering machine range can also be set deviating from each other for numbering machines that are linked to a shared number circle.</p> <p>Settings for the number circle can only be made here when the selected numbering machine is linked to the dedicated number circle.</p> |
| Delete object | Deletes the object. |

5.6.4 Barcode



The PCset graphic can be used to generate different barcode formats.

Barcode type, character sequence, parameters and barcode size can be set.

The barcode object format can be globally pre-set.


[Presettings](#)

[Sequential numbering/dating](#)

[Context menu barcode object](#)

[Generate graphic](#)

5.6.4.1 Presettings

Global presettings can be set in the menu bar  via the "Presettings → Barcode" tab.

- OR -

Settings of already-inserted barcode objects can be called via the right mouse button "Barcode Format".

The configuration window for barcode appears.

The barcode window is divided into three sections:

Barcode



| Function | Description |
|--------------------|--|
| Type | Select the barcode type from the dropdown list. |
| Character sequence | Enter your desired character sequence. |
| Plain text preview | Indicates the character sequence without control characters. |

Parameter

| Function | Description |
|---------------------|--|
| Display plain text | Inserts plain text below the barcode. The plain text is the character sequence that you have entered into the barcode object. |
| Display check digit | Indicates the check figure additionally in plain text. To be able to use this option, you need to activate display plain text. The check figure is the last figure or position of the barcode information. |














| | |
|-------------------------------------|--|
| Start character and Stop characters | Start and stop characters from A - D for the barcode type Codabar. |
|-------------------------------------|--|

Barcode size

| Function | Description |
|---|--|
| Height (mm) | Barcode height. Adjustable from 3.5 mm - 13.5 mm. |
| Module height | Height of the narrowest element in pixels (stroke or gap). Only for 2D barcodes. |
| Module width (pixels) | Width of the narrowest element in pixels (stroke or gap). |
|  | The ratio of module height to module width is always the same. |
|  | The module height and width can differ. |
| Module ratio | Ratio of wide to narrow element in calculation of the code length. |
| Module ratio (2/5 matrix) | Start and stop characters for the barcode type Codabar. May contain letters A - D. |

5.6.4.2 Sequential numbering/dating

The PCset graphic differs between **fixed** and **variable** barcodes. Fixed barcodes do not change their content during printing. In addition to the text, variable barcodes also consist of date/time and/or numbering machine, which change during printing.

-  All in all, the variable barcode objects are limited to four. Fixed barcode objects can be inserted in any number.
-  The variable barcodes include the barcode types "2/5 Interleaved", "Code 39" and "Code 128 B".
-  Only **one** numbering machine and/or **one** date/time can be inserted in each barcode.
-  At first insertion of a numbering machine or a date/time object, the presettings of the respective objects are loaded.
-  In order to create a barcode object, left-click the **Barcode symbol**  and drag it into a line to the desired position.
-  Push right mouse button, select context menu "Barcode Format".
The configuration window for barcode appears.
-  To insert the **numbering machine**, pull it into the character sequence by drag & drop.
The line "Character sequence" shows %N for numbering machine.
-  To make the settings for the numbering machine, right-click %N or numbering machine.
The context menu opens (refer to "[Numbering machine](#)").
Make the desired settings and confirm with **OK**.
-  To insert date/time, pull it into the character sequence by drag & drop.
The line "Character sequence" shows %D for date/time.
-  To make the settings for the **date/time**, right-click %D or date/time.
The context menu opens (refer to "[Date/time](#)").
Make the desired settings and confirm with **OK**.
-  To save the settings made, click **OK**.
-  The red dash below the editing field determines the inserted position of the date/time and numbering machine object.

5.6.4.3 Context menu barcode object

If a barcode object is inserted (refer to "[Objects](#)"), the configuration corresponds to the presets. The context menu can be used to individually set each barcode object deviating from this.

- ▶ To open the context menu, right-click the desired barcode object.
The context menu opens as in the following figure.



| Function | Description |
|------------------|--|
| Copy | Copies the object. |
| Barcode format | To change the barcode format. |
| Generate graphic | Fixates the barcode in the current position. Note: the barcode cannot be edited anymore after fixating. |
| Delete object | Deletes the object. |

5.6.4.4 Generate graphic

i Text and barcode objects can be converted into graphics. Graphics are fixed and can no longer be moved. Limited editing is possible via the additional function "Selection".

- ▶ Click the object with the right mouse button.
- ▶ Select "Generate graphic".
The object has been converted to a graphic.

5.6.5 Graphic



Generates a graphic object.
The object can be positioned exactly by using the grid.

[Load graphic dialogue](#)

[Context menu graphic object](#)

[Generate graphic](#)

5.6.5.1 Load graphic dialogue



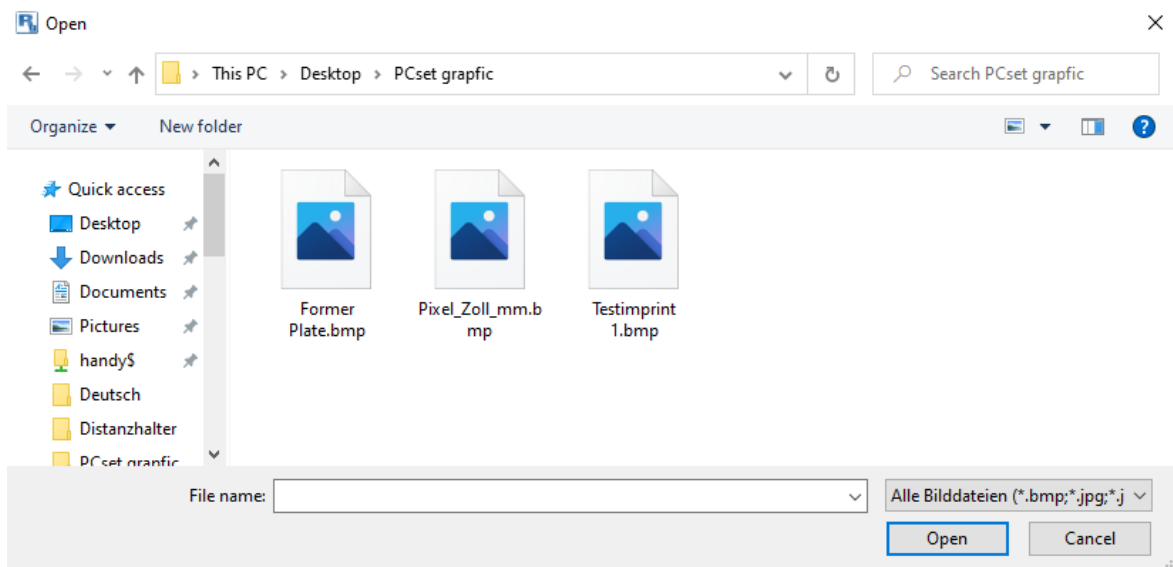
Imported colour and grey scale images are converted to a black/white image when loaded within the application. The use of black and white images is recommended.



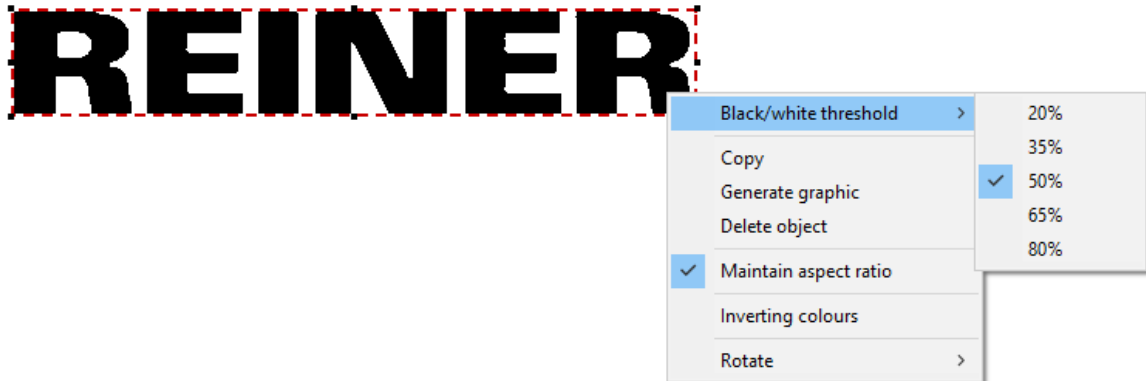
Only graphics of the file type BMP, JPG, TIF or GIF can be loaded. The graphics should have a resolution of 300 dpi so that they fit 1:1 into the print image.



For a distortion-free printout in optimal quality, a graphic should not exceed the maximum height of 160 pixels and the maximum width of 768 pixels.



5.6.5.2 Context menu graphic object



| Function | Description |
|-----------------------------|--|
| Black/white threshold value | Selection of the black/white threshold value. |
| Copy | Copies the object. |
| Generate graphic | Fixates the graphic at the current position. Note: the graphic cannot be edited anymore after fixating. |
| Delete object | Deletes the object. |
| Maintain aspect ratio | The aspect ratios always remain the same when resizing. |
| Inverting colours | Inverting colours: The colours of the graphic are reversed, black becomes white and white becomes black. |
| Rotate | Rotate right 90°, Rotate left 90°, Rotate 180°, Flip vertical and Flip horizontal. |

5.6.5.3 Generate graphic

i Text and barcode objects can be converted into graphics. Graphics are fixed and can no longer be moved. Limited editing is possible via the additional function "Selection".

- ▶ Click the object with the right mouse button.
- ▶ Select "Generate graphic".
The object has been converted to a graphic.



5.7 External print triggering

 REINER special accessories are available for external trigger types.

[Triggering via USB interface](#)



[Triggering via external switch](#)

5.7.1 Triggering via USB interface

- ▶ Connect the REINER USB trigger cable with the micro USB socket .
- ▶ Set the setting wheel  to the desired print image.
- ▶ Close contact.
The desired print image is printed.

5.7.2 Triggering via external switch

Triggering via external switch takes place via a galvanically isolated contact.
An external voltage source is required for triggering – DC 2.4 – 24 V.

- ▶ Connect the REINER trigger cable with the jack socket .
- ▶ Set the setting wheel  to the desired print image.
- ▶ Close contact.
The desired print image is printed.

6 Maintenance

[Changing the print cartridge](#)

[Cleaning the contacts of the print cartridge](#)

[Clean nozzles](#)

[Clean seal](#)

[Replace seal](#)

[Clean housing](#)

6.1 Changing the print cartridge

The ink level of the print cartridge is can be read in the status indicator **d** of the PCset graphic software .

i Different seals are required depending on the type of ink used (refer to "[Replace seal](#)").

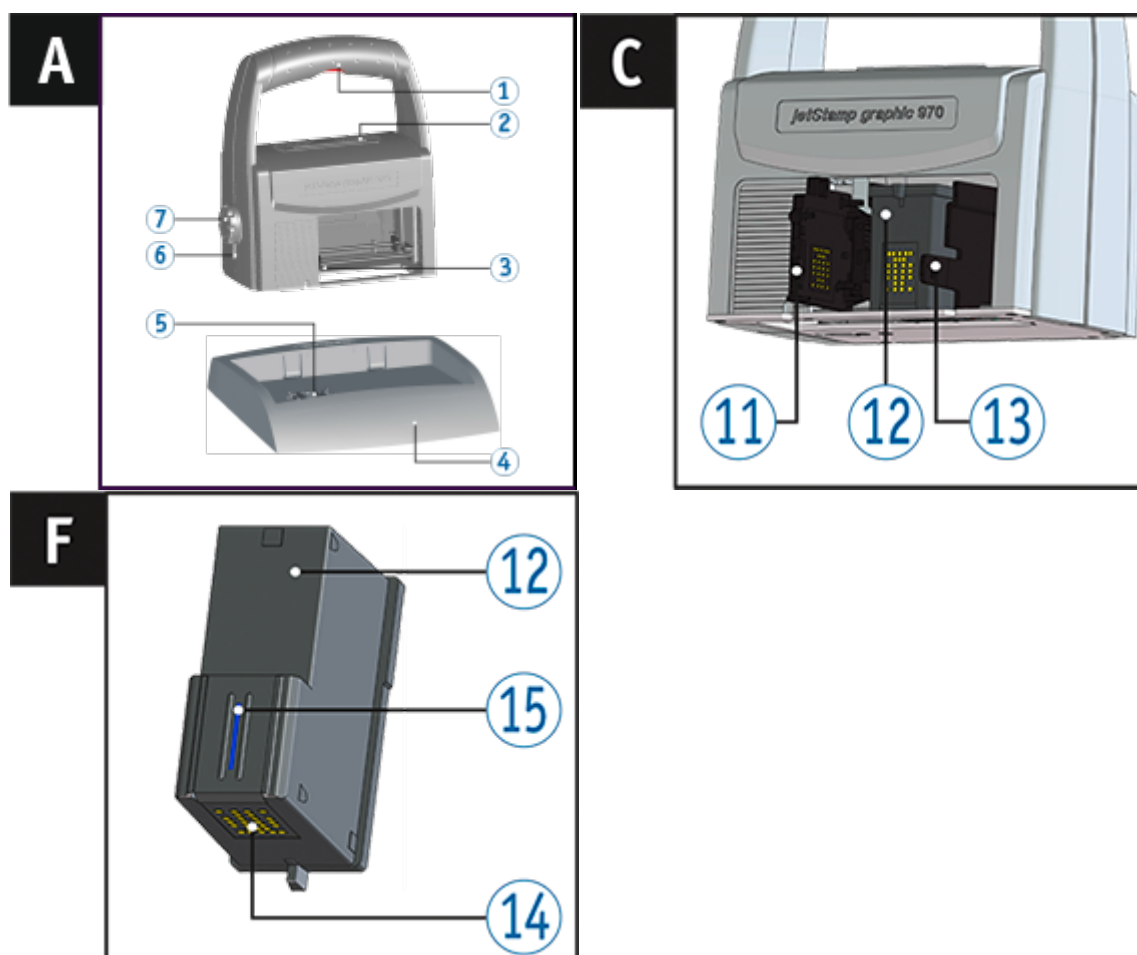
i Use seal of the enclosed print cartridge.

CAUTION

Damage to health caused by ingestion of ink.

- ▶ Do not swallow!
- ▶ Keep the print cartridge out of the reach of children!

Changing the print cartridge ⇒ Fig. **A** + **C** + **F**



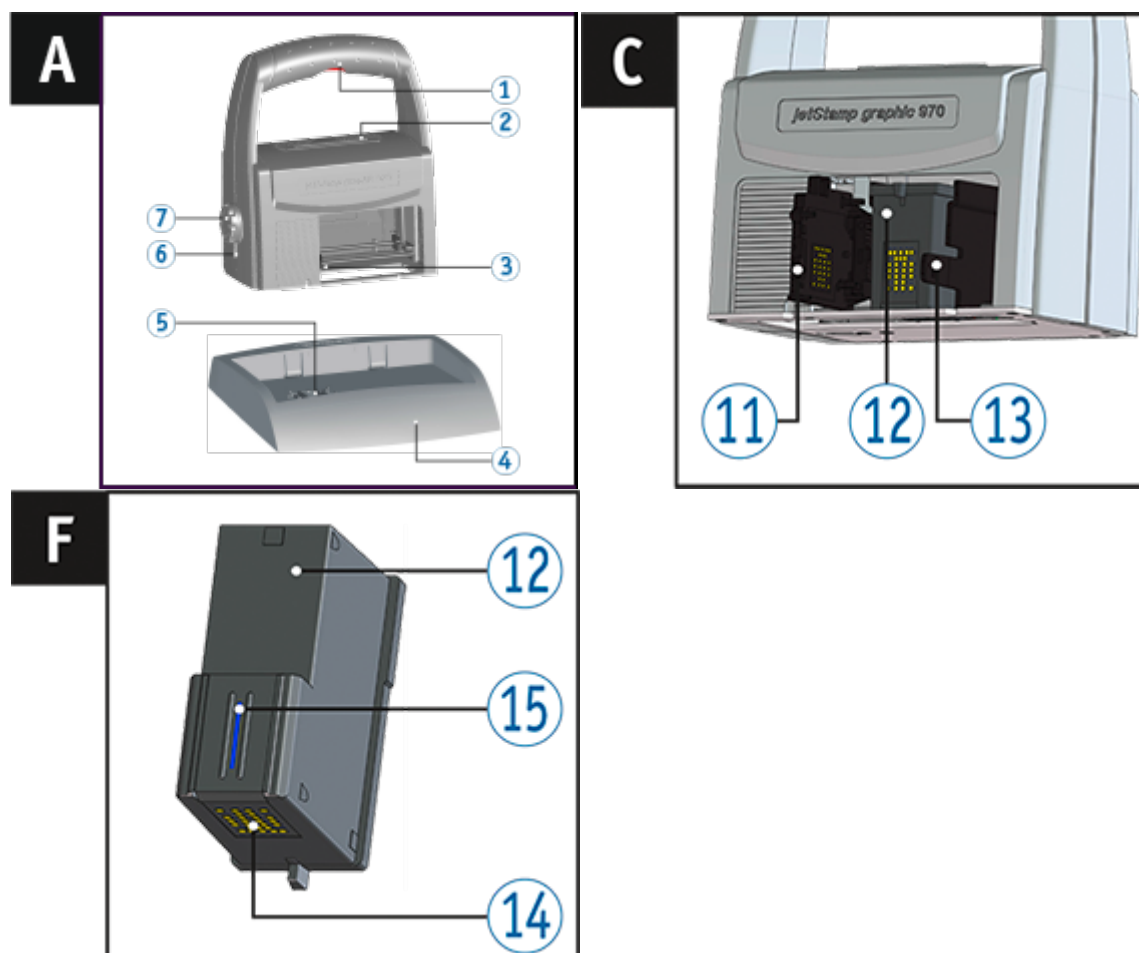
- ▶ Place the *jetStamp graphic 970* in the basis station **4**.
- ▶ Set the setting wheel **7** to position 1.
- ▶ Keep the trigger button **1** pressed and take the device out of the **4** basis station.
The print carriage **3** moves to the middle position.

- ▶ Release the trigger button ①.
 - ▶ Press the print cartridge locking ⑬ slightly to the right until the print cartridge flap ⑪ can be opened.
 - ▶ Open the print cartridge flap ⑪.
 - ▶ Remove the print cartridge ⑫ from the device.
 - ▶ Take a new print cartridge ⑫ from the packaging and remove the protective film or clip from the nozzles ⑮.
 - ▶ Place the device on a firm surface.
 - ▶ Insert the print cartridge ⑫.
 - ▶ Close the print cartridge flap ⑪.
 - ▶ Push the trigger button ①.
- The print carriage ③ moves to the home position.

i Return *jetStamp graphic 970* to the basis station to prevent drying of the ink.
Observe acoustic signal of the *jetStamp graphic 970* (see "[Acoustic Signals](#)").

6.2 Cleaning the contacts of the print cartridge

Cleaning the contacts of the print cartridge ⇒ Fig. **A** + **C** + **F**



In rare cases, impurities on the contacts of the print cartridge **14** can cause incorrect printing results.

- ▶ Place the *jetStamp graphic 970* in the basis station **4**.
- ▶ Set the setting wheel **7** to position 1.
- ▶ Keep the trigger button **1** pushed and take the device out of the basis station **4**.
The print carriage **3** moves to the middle position.
- ▶ Press the print cartridge locking **13** slightly to the right until the print cartridge flap **11** can be opened.
- ▶ Open the print cartridge flap **11**.
- ▶ Remove print cartridge **12**.
- ▶ Print cartridge contacts **14** on the print cartridge **12** and on the print cartridge holder flap **11** with a soft cloth slightly soaked in ethanol (spirit) if necessary.
- ▶ Place the device on a firm surface.
- ▶ Insert the print cartridge **12**.
- ▶ Close the print cartridge holder flap **11**.
- ▶ Push the trigger button **1**.
The print carriage **3** moves to the home position.

6.3 Clean nozzles

If streaks or problems with the print quality occur, the ink may have dried on the nozzles **15**.

Imprint without streaking



Imprint with streaking



[Automatic nozzle cleaning](#)

[Manual nozzle cleaning](#)

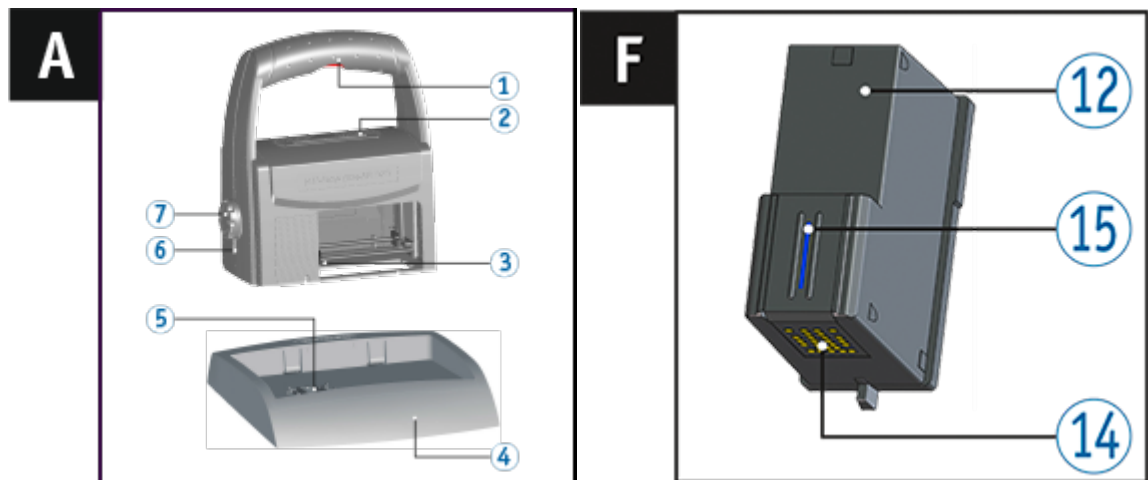
6.3.1 Automatic nozzle cleaning

WARNING

Possible blindness due to eye contact with ink.

- ▶ Do not point the nozzles **15** of the *jetStamp graphic 970* at people's faces!

Trigger automatic cleaning mechanism ⇒ Fig. **A** + **F**

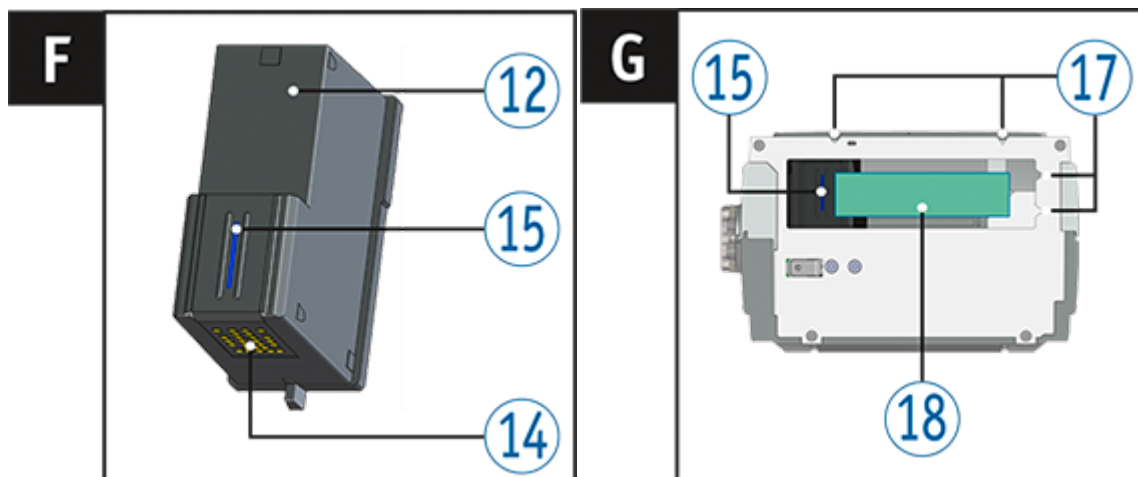


 To clean the nozzles **15** a small amount of ink is ejected.

- ▶ Remove the device from the basis station **4** and place it on a flat surface.
- ▶ Turn setting wheel **7** to position **C**.
- ▶ Push the trigger button **1**.

6.3.2 Manual nozzle cleaning

Manual nozzle cleaning ⇨ Fig. **F** + **G**

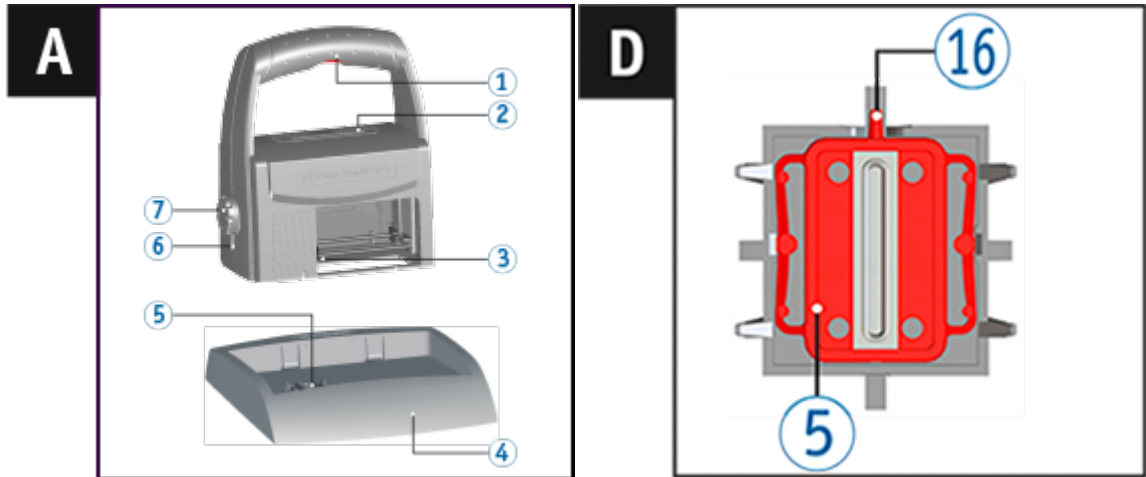


We recommend the following measure if the automatic nozzle cleaning does not lead to the desired success:

- ▶ To dissolve the dried ink, press a soft cloth slightly soaked in ethanol (spirit) against the nozzles 15 for about three seconds.
- ▶ Dab off dissolved ink and wipe the nozzles 15 dry.

6.4 Clean seal

Clean seal ⇒ Fig. **A** + **D**



The seal 5 is located in the basis station 4.

► Dab dry the seal 5 with a soft cloth.

i Clean the seal 5 at regular intervals. Replace if heavily soiled or damaged (refer to "[Replace seal](#)").

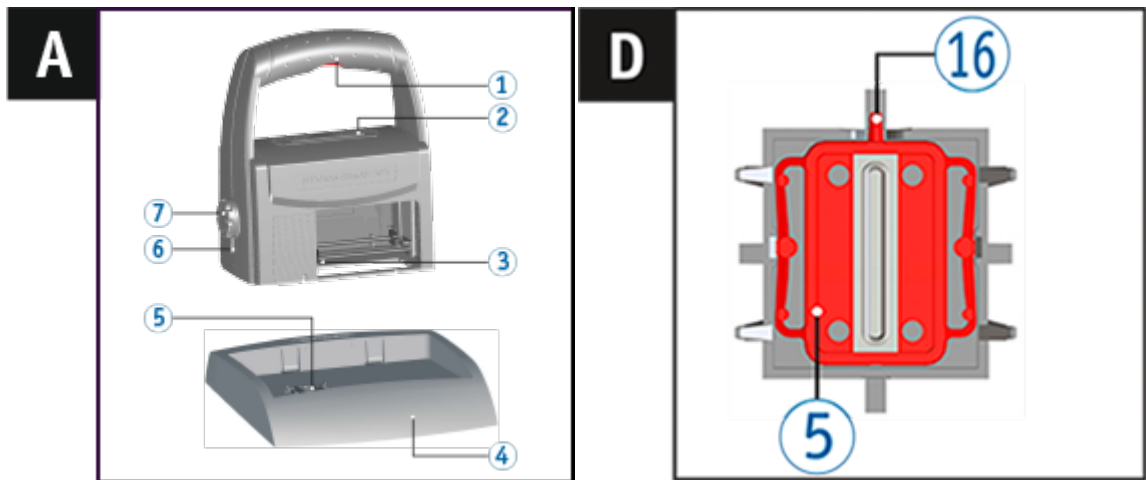
6.5 Replace seal

 Find a clip on our homepage www.reiner.de or on [youtube](https://www.youtube.com).

Replace seal ⇨ Fig. **A** + **D**

 Different seals are required depending on the type of ink used.

-  - Inkjet print cartridge P3-S-BK: use red seal
- Inkjet print cartridge P3-MP3-BK: use blue seal



- ▶ Slightly press down the seal **5** on the front edge.
- ▶ Loosen at the seal tip **16**.
- ▶ Place the new seal in the holder.
- ▶ Press the seal slightly down until it snaps into the holder.

6.6 Clean housing

CAUTION

Electric shock when liquids enter into the device inside.

- ▶ Pull the mains adapter from the outlet.
- ▶ Inform a specialist vendor or the REINER service.

NOTICE

Cleaning agents that are too aggressive may damage the housing surface.

- ▶ Do not use any abrasives and plastic-dissolving cleaning agents for cleaning.
- ▶ Clean the top cover of the device with a soft cloth if required.
For stronger contamination, moisten the cloth with water and mild detergent.

7 Recognising and removing interferences

[jetStamp graphic 970 without functions](#)

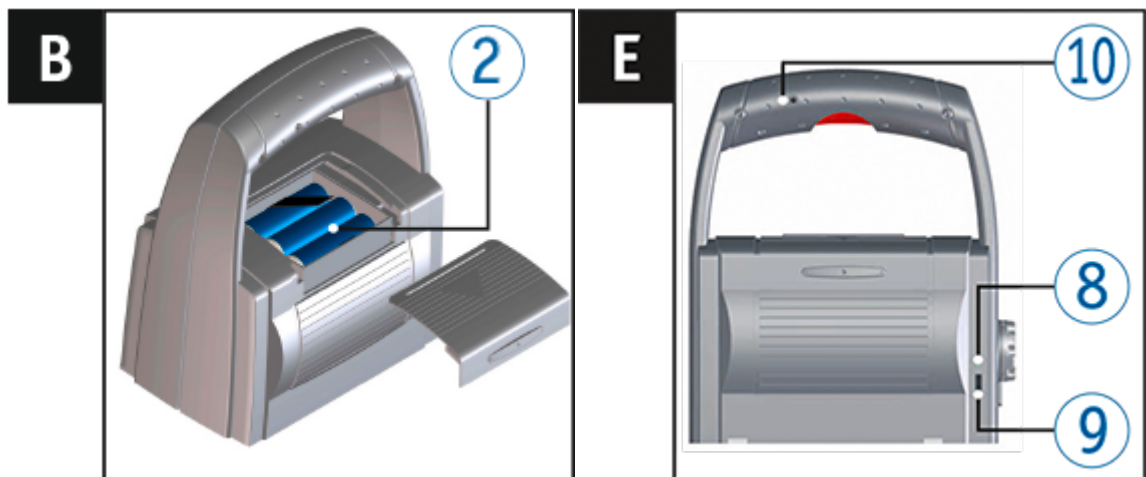
[Causes for uncharged batteries](#)

[Optical signals \(LED\)](#)

[Acoustic signals](#)

7.1 jetStamp graphic 970 without function

Troubleshooting ⇒ Fig. **B** + **E**



- ▶ Disconnect the USB cable from the *jetStamp graphic 970*.
- ▶ Open battery compartment ②.
- ▶ Remove the batteries.
- ▶ Wait about 3 seconds.
- ▶ Re-insert the batteries.
- ▶ Connect the micro USB socket of the device ⑨ to the PC via the USB cable.
- ▶ Set setting wheel ⑦ to position 1.
- ▶ Start PCset graphic.
- ▶ Check [charge indicator](#) ⓘ.




7.2 Causes for uncharged batteries


- No batteries inserted or batteries inserted incorrectly
- Incorrect contact in battery compartment
- Battery temperature above 40 degrees Celsius
- Batteries outdated
- Batteries defective
- Batteries completely discharged (deep discharge)

Capacity and service life

The batteries reach their full capacity after several discharges and recharges. With increasing ageing of the batteries, the possible operating time shortens. Rechargeable batteries are subject to wear. A longer service life than six months cannot be guaranteed.


7.3 Optical signals (LED)

 When the display flashes orange (warning), the status display  of the PCset graphic software displays a detailed device message  (see "[Operating interface](#)").

| LED display | State | Cause | Correction | Notes |
|---------------------|----------------------------|---|--|---|
| Green | | Operational | | |
| Green | Flashing | Device is in standby mode | ▶ Switching off and on again or pushing the trigger button | When the device is not in use, the power saving mode is automatically activated after 10 minutes |
| Orange (Warning) | Flashing, Interval of 1 | <ul style="list-style-type: none"> - No or defective print cartridge - Incorrect print cartridge - Ink level write error - Print cartridge not inserted correctly - Rechargeable battery empty - No battery/defective battery - Print carriage movement blocked - Print images were deleted | ▶ Inserting the print cartridge ▶ Insert print cartridge correctly ▶ Charge battery ▶ Inserting/replacing the battery ▶ New print image transfer | The detailed cause and correction are shown in the Status indicator  of the PCset graphic software |

| | | | | |
|---------------------|----------------------------|---|--|--|
| Orange (Warning) | Flashing, Interval of 2 | Print cartridge almost empty | ► Check imprint | Also acoustic signal |
| Orange (Warning) | Flashing, Interval of 3 | Print cartridge empty | ► Replace the print cartridge | Also acoustic signal |
| Orange (warning) | Flashing, Interval of 4 | <i>jetStamp graphic</i> 970 is not in basis station | ► Place the <i>jetStamp graphic</i> 970 into the basis station | <ul style="list-style-type: none"> - The display appears after 30 seconds of non- use in standard ink, after 10 seconds in MP2 ink and after 6 seconds in MP3 ink - Also acoustic signal |
| Orange (Warning) | Flashing, Interval of 5 | Battery almost empty/capacity low | ► Charge/replace battery | Also acoustic signal |
| Orange (Warning) | Flashing, Interval of 6 | Internal clock battery is empty | ► Send in device | |
| Red (error) | Flashing, Interval of 1 | Device error | ► Disconnect the device from the power supply for approx. 3 seconds (also batteries and USB connection). | If the error remains after activation, have the device inspected by the REINER support |
| Red | Permanently lit | <ul style="list-style-type: none"> - Firmware has not been installed correctly - Device error | ► Install firmware again. ► Switch the device off and on and charge the battery | <ul style="list-style-type: none"> - If the error remains after activation, have the device inspected by the REINER support - Battery deep discharged or safety shutdown - If the error persists after switching on, contact your specialist dealer or REINER support |
| OFF | | <ul style="list-style-type: none"> - Device is switched off - Rechargeable battery empty - Battery defective - No rechargeable battery inserted - Device error | ► Switch on the device ► Charge batteries ► Replace batteries ► Insert batteries ► Contact your specialist dealer or REINER Support | |

7.4 Acoustic signals

| Signal | Cause | Correction | Notes |
|--------------------------------|--|--|---|
| 1 sound pulse | <p>If the trigger button is pressed while the setting wheel is set in position F.</p> <ul style="list-style-type: none"> - Print images were deleted - Internal clock battery is empty | <ul style="list-style-type: none"> ▶ New print image transfer ▶ Send in device | |
| 1 tone pulse every 10 seconds | <ul style="list-style-type: none"> - No or defective print cartridge - Incorrect print cartridge - Ink level write error - Print cartridge not inserted correctly - Rechargeable battery empty - No battery/defective battery - Print carriage movement blocked | <ul style="list-style-type: none"> ▶ Inserting the print cartridge ▶ Insert print cartridge correctly ▶ Charge battery ▶ Inserting/replacing the battery | The detailed cause and correction are shown in the Status indicator  of the PCset graphic software |
| 2 tone pulses every 30 seconds | Print cartridge almost empty | ▶ Check imprints | |
| 3 sound impulses | Print cartridge empty | ▶ Replace the print cartridge | |
| 4 sound impulses | <i>jetStamp graphic</i> 970 not in basis station | ▶ Place the <i>jetStamp graphic</i> 970 into the basis station | <ul style="list-style-type: none"> - The display appears after 30 seconds of non-use in standard ink, after 10 seconds in MP2 ink and after 6 seconds in MP3 ink - Optical signal too |
| 5 sound pulses per minute | Battery almost empty/capacity low | ▶ Charge/replace battery | |

8 Technical data and accessories

[Type plate](#)

[Technical data](#)

[Transport and disposal](#)

[Accessories](#)

8.1 Type plate

 Observe the type plate before the device is connected.

The type plate is located on the underside of the device.

It contains the following information:

Mod. = Model

S/N = Serial number

QC. = Quality control



= *jetStamp graphic 970* has the CE-mark according to the currently valid low-voltage and EMC directive.



= *jetStamp graphic 970* is in accordance with the following standards or standardised documents

FCC 47 CFR Ch.1 Part 15 Bluetooth: FCC: R7TAMB2300.



= Safety of Information Technology Equipment.



= Do not point the nozzles of the *jetStamp graphic 970* at people's faces!



Waste electrical and electronic devices

Old devices must not be disposed of in the common household waste but in a specified acceptance point for recycling of electrical and electronic devices.

8.2 Technical data

| Technical data | |
|---|---|
| Dimensions stand-alone unit | 140 x 160 x 85 mm (l x w x h) |
| Basis station dimensions | 155 x 140 x 30 mm (l x w x h) |
| Total height | 175 mm |
| Weight stand-alone unit | approx. 520 g |
| Weight basis station | approx. 480 g |
| Max. print area | 65 x 12.7 mm (w x h) |
| Max. print speed | < 1 s/imprint |
| Print resolution | 300 dpi |
| Battery capacity | up to 1,000 imprints |
| Printing technology | Inkjet |
| Barcode printing | EAN 8, EAN 13, 2/5 Interleaved, 2/5 Industrial, 2/5 Matrix Code 39, Code 39 Full ASCII, Code Codabar, Code 93, Code 93 Full ASCIIr, Code 128 B, GS1 128 (EAN 128) |
| Barcode for sequential numbering/dating | Code 128 B, Code 39, 2/5 Interleaved |
| Graphic | BMP, JPG, TIFF, GIF |
| Ambience temperature for operation | 10 °C ... +40 °C |
| Recommended ambient temperature for operation | 16 °C ... +32 °C |
| Humidity for operation | 8 % ... 80 % relative humidity |
| Recommended humidity for operation | 10 % ... 70 % relative humidity |
| Storage temperature | |
| With standard print cartridges | 1 °C ... +43 °C |
| With MP print cartridges | 10 °C ... +20 °C |
| Storage humidity | 5 % ... 80 % relative humidity |
| Temperature for transport | |
| With standard print cartridges | -20 °C ... +60 °C (up to 12 hours) |
| With MP print cartridges | 10 °C ... +20 °C (up to 12 hours) |
| Humidity for transport | 10 % ... 90 % relative humidity |
| Data transfer | USB or Bluetooth |
| Power supply | 3 x AA NiMH rechargeable batteries; chargeable via included mains adapter. Input: 100 - 240 VAC, 50 - 60 Hz, 0,3 A Output: 5 VDC 1 A |
| Standby time per battery charge | approx. 72 hours |

| | |
|---|--|
| Battery charging time | approx. three hours |
| Data preservation (battery independent) | approx. 10 years |
| Print capacity per print cartridge | for 5,000 or more imprints depending on ink and print mode |
| Protection class | IP 20, degree of contamination 2, equipment class 3 |

8.3 Transport and disposal

Transport

NOTICE

Damage to the device at improper transport.

- ▶ Only use packaging that provides protection from impact and shock for the device!

Disposal



Defective or used batteries

Used batteries or rechargeable batteries must not be disposed of with household waste.



Waste electrical and electronic devices

Old devices must not be disposed of in the common household waste but in a specified acceptance point for recycling of electrical and electronic devices.



8.4 Accessories

Inkjet print cartridge

- Order no.: 947 100-000, P3-S-BK for paper and cardboard, black
- Order no.: 947 100-002, P3-S-MG for paper and cardboard, magenta

Inkjet print cartridge (quick drying)

- Order no.: 947 100-120, P3-MP3-BK for metal and plastic, black
- Order no.: 947 100-130, P3-MP4-BK for glass, metal and plastic, black
- Order no.: 947 100-140, P3-MP5-UV for metal and plastic, invisible (orange in UV light)

For further accessories, see <https://www.reiner.de>

9 Contact

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10 Operating instructions

REINER
jetStamp graphic 970


Bedienungsanleitung
 Operating Manual
 Manual de instrucciones
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