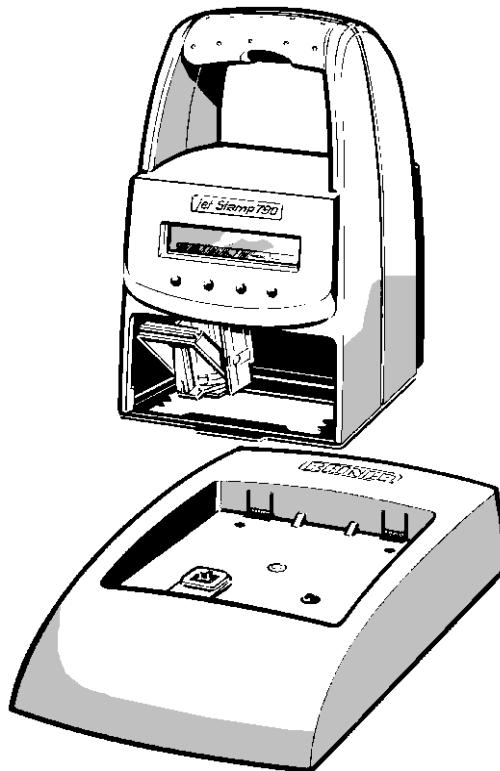


REINER

Operating Instructions

jetStamp 790

Mobile electronic hand stamp with changeable accumulators and flexible impression selection



Version 2.0

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= Information / Notice

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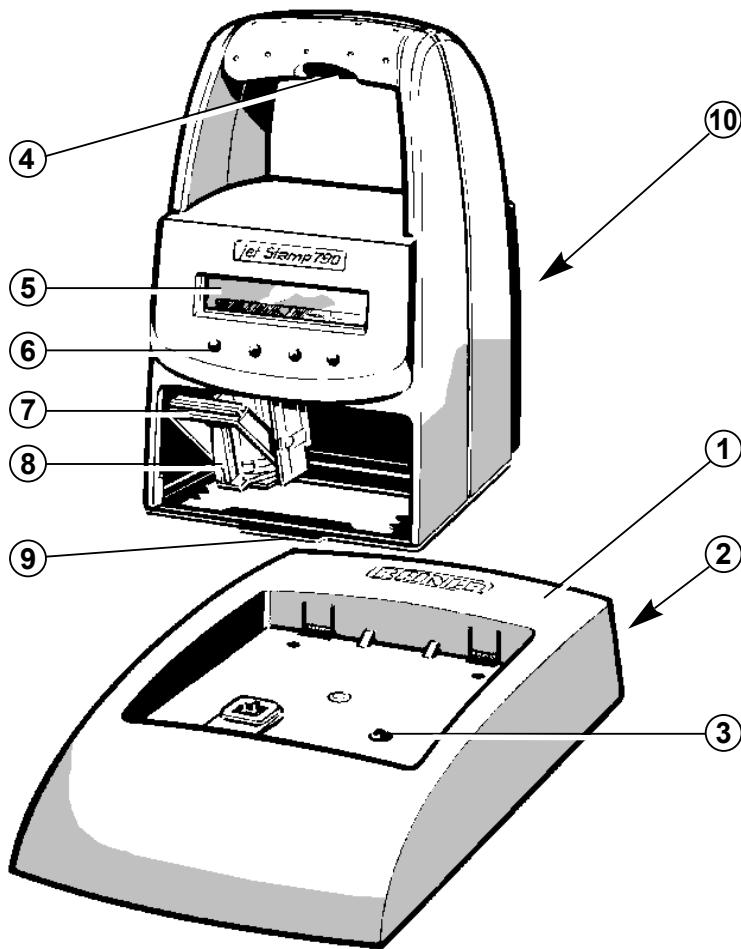
= Caution

Warning



= Safety hint

Control elements



- 1 = Charging station with mains unit
- 2 = Socket for power supply (reverse side)
- 3 = Green charge-indicator lamp
- 4 = Trigger
- 5 = Display
- 6 = Buttons
- 7 = Locking rail
- 8 = Ink cartridge
- 9 = Notch
- 10 = Accumulator case (reverse side)

Commissioning

Unpack equipment,

- ▶ Connect plug power adaptor provided to base station and connect to mains voltage

Note: Only use original REINER components!

Insert accumulators

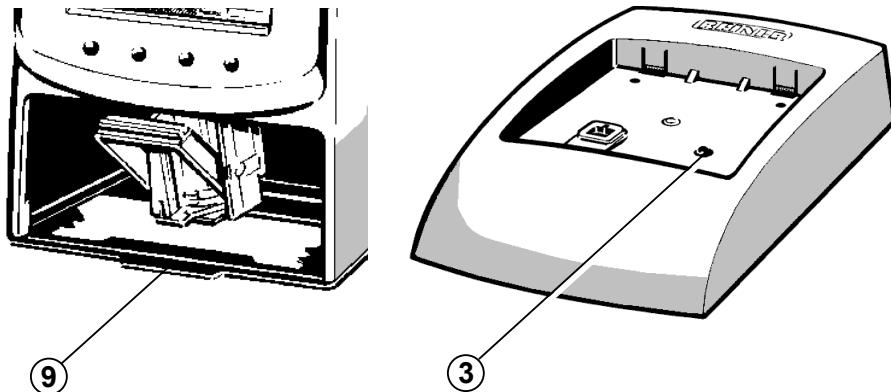
- ▶ Remove cover on back: To do this push locking latch (1) up and remove cover
- ▶ Insert accumulators, according to correct polarity markings!
- ▶ Attach stop levers of cover to the openings (2) of the equipment and close the accumulator case again



Place *jetStamp* in the charging station and load accumulators

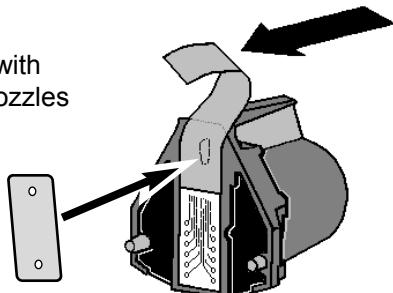
Observe the following guidelines:

- Hook *jetStamp* to the notch (9) and place in the charging station
- Fully charge the accumulators to begin with. We recommend charging the accumulators for around 16 hours continuously, e.g. overnight, for the first time. After this, between four and six hours is required for charging.
- Accumulators charge status is indicated on the display in the top right hand corner by the symbol
- Whilst charging the green charge status indicator (3) lights up in the charging station
- Do not expose *jetStamp* to direct sunlight
(For ambient temperature see page 28, 'Technical data')

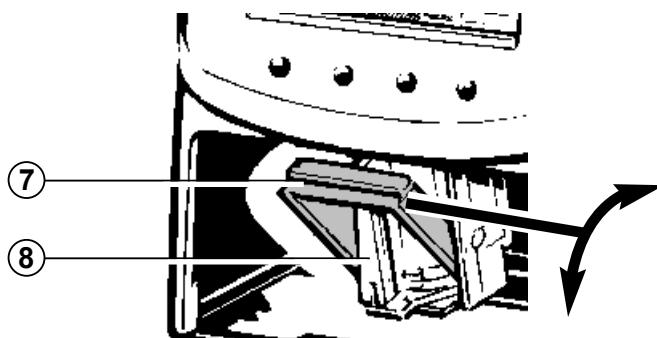


Insert ink cartridge

- ▶ When necessary press repeatedly [MODE] until menu item "INKJET" is displayed on the lower display line
- ▶ Press [INKJET] : The print carriage now automatically moves to the middle of the equipment for easier handling
- ▶ Remove ink cartridge from packaging and remove protective film from the ink cartridge
- ▶ Hold the small felt plate provided with the felt-side on the ink cartridge nozzles for about 2 seconds until there is some ink on the felt



- ▶ Push the locking rail (7) back on the print carriage and insert the ink cartridge with the handle strip (8) in the print carriage pointing to the operator
- ▶ Pull the locking rail forward again (7) until it engages
- ▶ Press [INKJET] : The print carriage will return to its original position

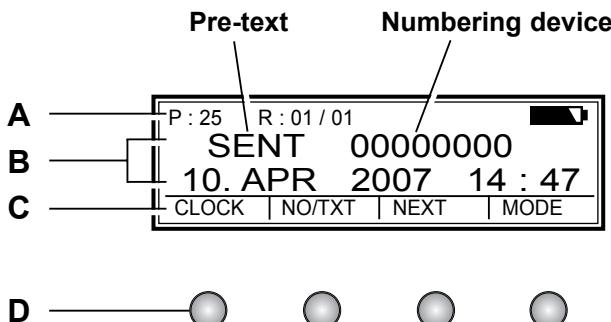


Display zones and button functions

The display is divided into three zones:

- A The top line is the **status line**.
On the left is the number of the impression selected (P:01 ... P:29) .
To the right of that, if the impression includes numbering, is the repetition setting (e.g. R:02/02) .
At the right of the top line is the battery symbol, showing the state of charge of the battery.
- B The middle of the display shows the **impression** currently selected on one or two lines.
- C The bottom line of the display contains the **menu bar**.
The menu items and commands displayed here can be selected by pressing the appropriate button.
- D Below the display there are **four buttons**.
Each button is associated with the menu field in the display immediately above it, i.e. a button function always depends on the menu or command displayed.

Example of a display:



Impression selection

A total of 25 different standard impressions are stored (see pages 10 / 11). These contain the individual printing fields 'Pre-text' 'Numbering device' 'Date' and 'Time'.

A 'pre-text' can be selected from 12 standard texts, or switched off (see page 16).

The impressions are numbered 'P:01' to 'P:25'.

The number of the impression currently selected is shown at the top left of the display.

'P:26' ... 'P:29' are reserved for customer-specific impressions (see page 12) .

The required impression can be selected in one of two ways, which are described below:

- a) Select the required impression by pressing [**NEXT**]. Only those impressions can be selected that are marked 'ON' in the Setup Menu (menu item 'SET STAMP PICT'). (See page 22, 'SET STAMP PICT').



Note

The display can be changed using the [**MODE**] button.

Press this button, if necessary repeatedly, until the menu item "NEXT" appears in the menu bar.

- b) Select an impression using the **SETUP** menu.
Here, all available impressions can be selected, including those marked 'OFF' in the Setup menu under 'SET STAMP PICT' (see page 22, 'STAMP PICTURE')

Stored impressions

Impressions P : 01 ... P : 04 = pre-text + date

P : 01	SENT	10. APR	2007	
CLOCK	NO/TXT	NEXT	MODE	

P : 02	SENT	10. 04. 2007		
CLOCK	NO/TXT	NEXT	MODE	

P : 03	SENT	2007 - 04 - 24		
CLOCK	NO/TXT	NEXT	MODE	

P : 04	SENT	APR 24. 2007		
CLOCK	NO/TXT	NEXT	MODE	

Impressions P : 05 ... P : 07 = pre-text + numbering device

P : 05 R : 01 / 01	SENT	00000000	
NO/TXT	NEXT	MODE	

P : 06 R : 01 / 01	SENT	0 0 0 0 0 0 0	
NO/TXT	NEXT	MODE	

P : 07 R : 01 / 01	SENT	00000000	
NO/TXT	NEXT	MODE	

Impressions P : 08 ... P : 10 = pre-text + figures

P : 08	SENT	0000000000	
NO/TXT	NEXT	MODE	

P : 09	SENT	0 0 0 0 0 0 0	
NO/TXT	NEXT	MODE	

P : 10	SENT	000000000000	
NO/TXT	NEXT	MODE	



Note

On selection of one of the impressions P:08 ... P:10 , the numbering-device setting is automatically cleared.

Impressions P : 11 ... P : 14 = numbering device pre-text + date

P : 11 R : 01 / 01
00000000
SENT 10. MAY 2007
CLOCK | NO/TXT | NEXT | MODE

P : 12 R : 01 / 01
00000000
SENT 10. 05. 2007
CLOCK | NO/TXT | NEXT | MODE

P : 13 R : 01 / 01
00000000
SENT 2007 - 05 - 10
CLOCK | NO/TXT | NEXT | MODE

P : 14 R : 01 / 01
00000000
SENT MAY 10. 2007
CLOCK | NO/TXT | NEXT | MODE

Impressions P : 15 ... P : 19 = pre-text + date + time

P : 15
SENT
10. MAY 2007 14 : 47
CLOCK | NO/TXT | NEXT | MODE

P : 16
SENT
10. 05. 2007 14 : 47
CLOCK | NO/TXT | NEXT | MODE

P : 17
SENT
2007 - 05 - 10 14 : 47
CLOCK | NO/TXT | NEXT | MODE

P : 18
SENT
MAY 10. 2007 14 : 47
CLOCK | NO/TXT | NEXT | MODE

P : 19
SENT
MAY 10. 2007 PM 02 : 47
CLOCK | NO/TXT | NEXT | MODE

Impressions P : 20 ... P : 25 = pre-text + numb. device + date + time

P : 20 R : 01 / 01
SENT 00000000
10. MAY 2007 14 : 47
CLOCK | NO/TXT | NEXT | MODE

P : 21 R : 01 / 01
SENT 00000000
10. 05. 2007 14 : 47
CLOCK | NO/TXT | NEXT | MODE

P : 22 R : 01 / 01
SENT 00000000
2007 - 05 - 10 14 : 47
CLOCK | NO/TXT | NEXT | MODE

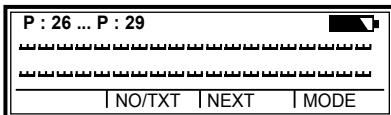
P : 23 R : 01 / 01
SENT 00000000
MAY 10. 2007 14 : 47
CLOCK | NO/TXT | NEXT | MODE

P : 24 R : 01 / 01
SENT 00000000
MAY 10. 2007 PM 02 : 47
CLOCK | NO/TXT | NEXT | MODE

P : 25 R : 01 / 01
SENT 0 0 0 0 0 0 0
10. MAY 2007 14 : 47
CLOCK | NO/TXT | NEXT | MODE

Customer-specific impressions

Impressions P : 26 ... P : 29 = customer-specific



P:26 ... P:29 are intended for individual, customer-specific impressions. Each impression can have two lines with up to 20 characters in each.

Characters can be entered as follows:

- ▶ Select impression required (P:26 ... P:29) .
- ▶ Press [NO/TXT]:
The top line of the display shows 'INPUT - MODI TEXT 01'.
MODI TEXT 01 = first entry block (10 characters) in the top line
MODI TEXT 02 = second entry block (10 characters) in the top line
MODI TEXT 03 = first entry block (10 characters) in the bottom line
MODI TEXT 04 = second entry block (10 charac.) in the bottom line
- ▶ To change from one entry block to the next, press [NEXT]
- ▶ Using [VARY], a block is selected for entry or changing, you can then enter characters with [DEC] or [INC]
The following characters are available:
0 ... 9 A ... Z Ç Ä Å É Æ Ö Ü £ Ø Ñ Á À ·
 Ê Ë Ó Ú € Í \$ & * + , - . / : @
- ▶ [RIGHT] is used to select the next entry position
- ▶ Press [RETURN] to go back to the previous menu



The customer-specific impressions P:26 ... P:29 have the fields *Date 2*, *Time 2*, *Numbering device 2* and *Pre-text* assigned to them. When using a PC-Set, the appropriate fields can be individually entered in these impressions, and then selected for data entry (see pages 11, 12 and 13).
If you have any questions, please contact your dealer.

Setting time and date

To set the time and date, an impression must first be selected that contains the date, or date and time as appropriate.

- ▶ First select an impression that contains the date, or date and time as appropriate (see also pages 10 and 11)
- ▶ Press [MODE] if necessary repeatedly, until the menu item "CLOCK" is displayed
- ▶ Press [CLOCK] to select the required menu item
The display shows "INPUT - TIME 1" * and below it you will see the time currently set



Note

This menu may be protected by a password.
In that case the correct password must first be entered.

- ▶ Press [VARY] to select the minutes figures and set the minutes by pressing [INC]
- ▶ Press [NEXT] to select the hours figures and set the hours by pressing [INC]
- ▶ Press [RETURN] and then [NEXT] to change to the date display (display shows "INPUT - DATE 1" *)
- ▶ Press [VARY] to select the year figures and set the year by pressing [INC]
- ▶ Press [NEXT] to change to the month display and use [INC] to set the month
- ▶ Press [NEXT] to change to the days figures and use [INC] to change the setting
- ▶ Press [RETURN] if necessary twice, to exit the menu.
The impression selected will be displayed, and the stamp is ready for use

* When using a customer-specific impression (P:26 ... P:29),
you can change to "INPUT - TIME 2" or "INPUT - DATE 2"
at this point by pressing [NEXT] (see page 12)

Setting numbering device or figures

The numbering device is used for the successive numbering of forms. Numbering can be increasing or decreasing. Further, various functions of the numbering device can be coupled together, e.g. repetition, zeroing, counting, activation of a minimum or maximum value, advance step, etc. Before the numbering device can be set, an impression, which uses the numbering device or figures, must be selected (see pages 10 / 11).

Selecting the numbering device:

- ▶ Press the [MODE] button, if necessary repeatedly, until the menu item “NO / TXT” appears in the menu bar.
Pressing [NO / TXT] then activates the menu.



This menu may be protected by a password. In that case the correct password must first be entered.

Note

Depending on the impression selected, the following functions may be available. By pressing [NEXT], you can scroll through them.

- INPUT - REPETITION = for setting the repetition factor
- INPUT - NUMBERER 1 or INPUT - NUMBERER 2 * = for entering the starting point of a numbering device
- INPUT - PRE TEXT = for selecting the pre-text
- INPUT - NUMBER 1 or INPUT - NUMBER 2 * = for setting figures

* These functions are only available with a customer-specific impression (P:26 ... P:29), which has been prepared using PC-Set

Setting the repetition factor (INPUT - REPETITION):

- ▶ Press [NEXT] if necessary repeatedly, until the display shows “INPUT - REPETITION”
- ▶ Press [VARY] to select the units position of the entry
- ▶ Set the units position by pressing [INC] to increase the setting, or press [DEC] to reduce it
- ▶ By pressing the [LEFT] button, you can move to the tens position, which can also be set with [INC] or [DEC]
- ▶ Press [RETURN] to exit the setting

Numbering device - setting starting point or figures :

- ▶ Press [**NEXT**] if necessary repeatedly, until the display shows "INPUT - NUMBERER 1" "INPUT - NUMBER 1" or INPUT - NUMBERER 2 * INPUT - NUMBER 2 *
- * Only available with a customer-specific impression (P:26 ... P:29), which has been prepared using PC-Set
- ▶ Press [**VARY**] to select the first position of the entry
- ▶ Set this digit by using [**INC**] to increase, or [**DEC**] to decrease it
- ▶ With the [**LEFT**] and [**RIGHT**] buttons, you can move to the other positions. They can be set using [**INC**] and [**DEC**]
- ▶ To exit the setting press [**RETURN**]
- ▶ Press [**RETURN**] again to exit the menu. The selected impression is displayed again, and *jetStamp* is ready for use

Numbering device - additional functions

Increasing and / or decreasing numbering between two limits.

Press [**MODE**] if necessary repeatedly, until the following functions appear in the menu bar:

- [**N1 MAX ▲**] = upper limit is activated (pressing this button again displays the upper limit)
- [**N1 MAX**] = upper limit is de-activated
- [**N1 MIN ▲**] = lower limit is activated (pressing this button again displays the lower limit)
- [**N1 MIN**] = lower limit is de-activated
- [**N1 CLR**] = all limits de-activated
- [**COUNT**] = increases or decreases the counter reading by one step
- [**CLEAR**] = sets the counter back to the limit

For further notes on additional numbering-device functions, see page 23

Setting pre-texts

There are 12 different standard pre-texts stored in the stamp for each language. The set pre-text (or blanks if pre-text is switched off) is printed with all standard impressions which include a pre-text.

The following standard pre-texts are stored :

RECUD	INU.	DRAFT	FAX
SENT	ORDER	PAID	ORIG
FILE	ENT.D	RECEP	REG.D
----- (= pre-text switched off)			

To select a pre-text proceed as follows:

- ▶ Press [MODE] if necessary repeatedly, until "NO / TXT" appears in the menu bar
- ▶ Press [NO / TXT] to select this menu item



This menu may be protected by a password. In that case the correct password must first be entered.
If you need more information, please contact your dealer.

- ▶ Depending on the impression selected, the display will now offer entry of the numbering device (= INPUT - NUMBERER 1), the repetition factor (= INPUT - REPETITION) or the pre-text (= INPUT - PRE TEXT)
- ▶ Press [NEXT] if necessary repeatedly, until the display shows "INPUT - PRE TEXT"
- ▶ Pressing the [VARY] button will cause the present pre-text to be shown blinking
- ▶ Press the [NEXT] button, if necessary repeatedly, until the required pre-text appears
- ▶ Press [RETURN] to accept this pre-text
- ▶ Press [RETURN] again to exit the menu. The selected impression will be displayed again, and the stamp is ready for use.

Stamping

Stamping will be triggered by pressing the red trigger, which is located in the grip.

Depending on the impression selected, the impression will have one or two lines. The position of the two lines, relative to the base of the stamp, can be seen in the illustration below.



Note

Stamping may be protected by a password. In that case the correct password must first be entered.

To block stamping again, press [MODE] repeatedly until 'CLOSE' appears in the menu bar.

Pressing [CLOSE] will block stamping.

If you need more information, please contact your dealer.

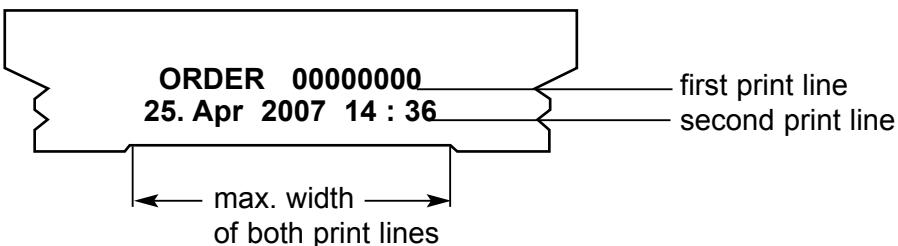


The ink in the ink cartridge is harmful!

Never hold *jetStamp* against a person's face!

Stamping is not possible under the following circumstances:

- When the battery is discharged - the display shows "EMPTY BATTERY NO IMPRINT POSSIBLE"
- In Setup or Setting mode
- When *jetStamp* is in the charging station
- Printing is blocked - the display shows "IMPRINT BLOCKED": The blockade can be released by pressing [QUIT] (see also page 24, menu item 'BLOCK IMPRINT')



Changing the ink cartridge



Note

- The change of the ink cartridge may be necessary if the imprint is incomplete or if dots are missing
- For an optimal print performance the ink cartridge should be changed at least all six months
- The ink cartridge is ready to print that means there is no preparation necessary before using it
- Replacement ink cartridges are available with the order number 801 307 - 000 on REINER stock

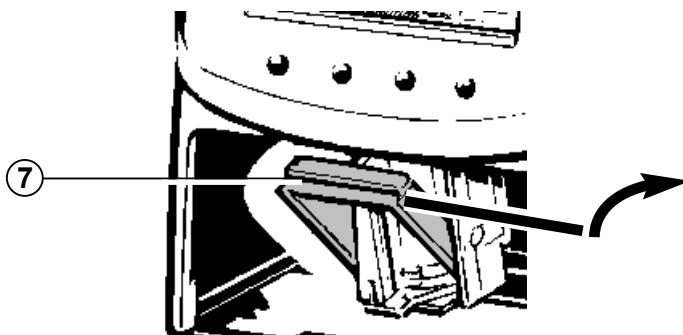


Warning

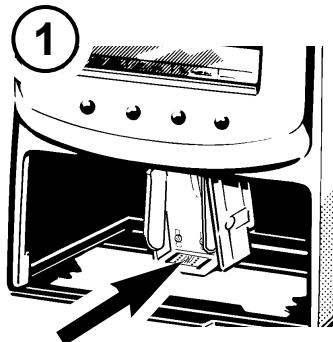
The ink in the ink cartridge is harmful. Never swallow it!
Always keep the ink cartridge out of the reach of children!

Removing a used ink cartridge:

- ▶ Press [MODE], if necessary repeatedly, until the menu item "INKJET" appears
- ▶ Press [INKJET]: The print carriage will go automatically to the centre of its travel to make handling easier
- ▶ Push the locking rail (7) back until it clicks into position, and then withdraw the ink cartridge forwards

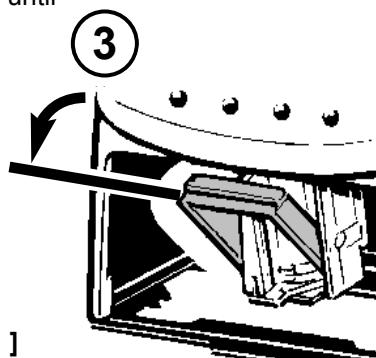
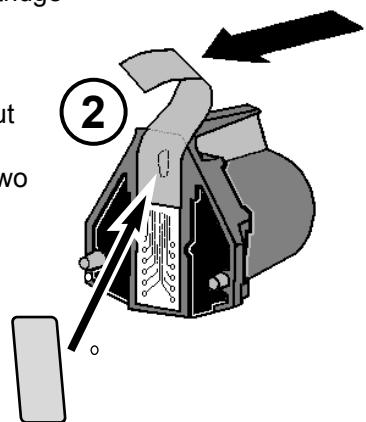


Dirt and dried up ink at the holder of the ink cartridge can be removed with a soft cleaning cloth moistened in spirit (see figure 1)



Insert the new ink cartridge:

- ▶ Take the ink cartridge from the packaging and remove the coloured protection film from the ink cartridge (see figure 2)
- ▶ Take the small felt plate and put the felt side to the nozzle plate of the ink cartridge for approx. two seconds until a little bit of ink is at the felt
- ▶ Put in the new ink cartridge into the ink cartridge holder
- ▶ Push the locking clip upwards until it engages, by this means the ink cartridge will be locked (see figure 3)



Note

When *jetStamp* is in the charging station, a cleaning sequence for the ink cartridge can be activated by pressing [**CLEAN**]

If necessary, press [**MODE**] repeatedly until [**CLEAN**] appears in the menu bar.

Setup module

The Setup module contains the following two main menus:

SETTINGS: Enables comprehensive, extensive changes to settings to be carried out, which, among other things, influence the impression and the handling of the stamp.

UPDATE: In combination with the optional PC - Set, the program in *jetStamp* can be updated. In addition, the impressions P:26 ... P:29 can be individually replaced or modified.

Selection of the Setup module can be carried out from the menu bar as follows:

- ▶ Press **[MODE]**, if necessary repeatedly, until "SETUP" appears in the menu bar
- ▶ On pressing **[SETUP]**, the first main menu 'SETTINGS' is displayed and with **[NEXT]** you can switch between the two menu items 'SETTINGS' and 'UPDATE'. Whichever is displayed can be selected by pressing **[CALL]**

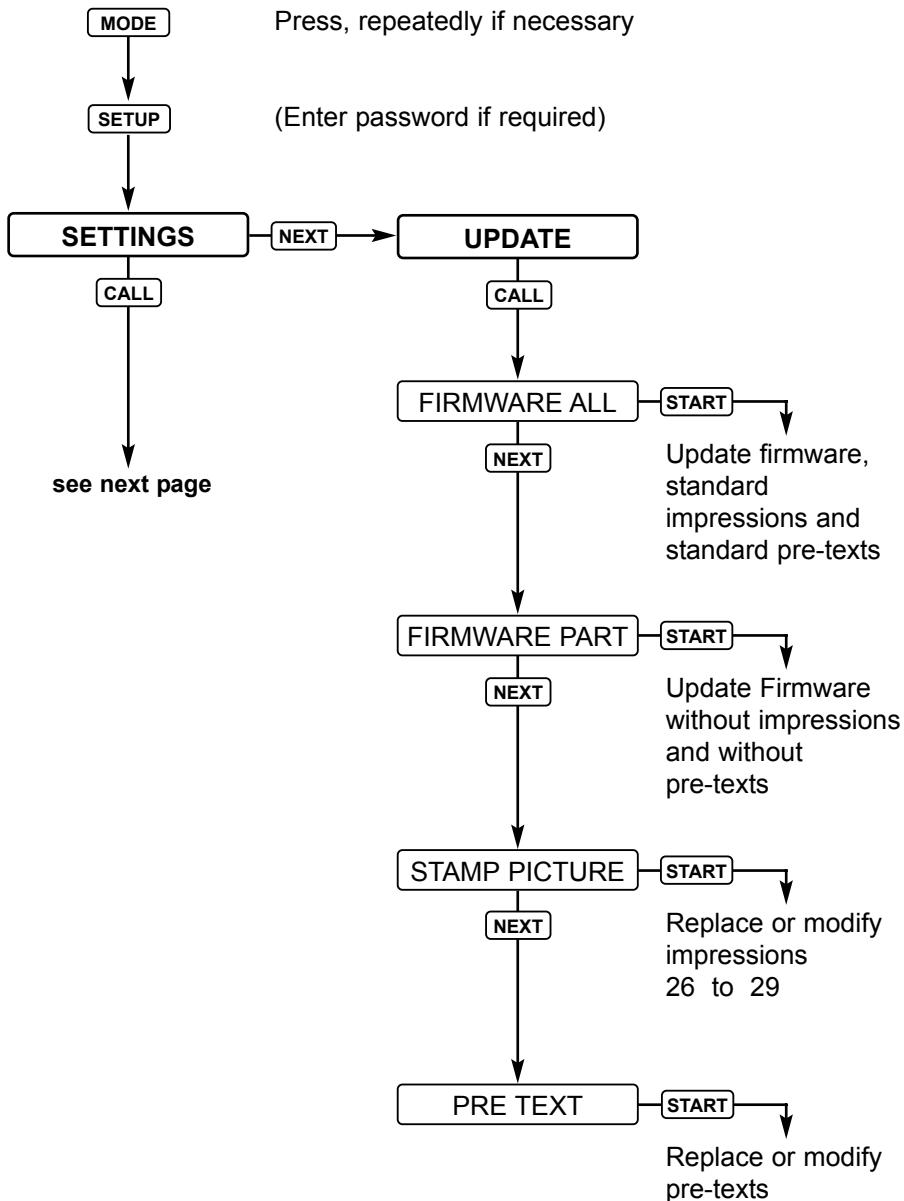


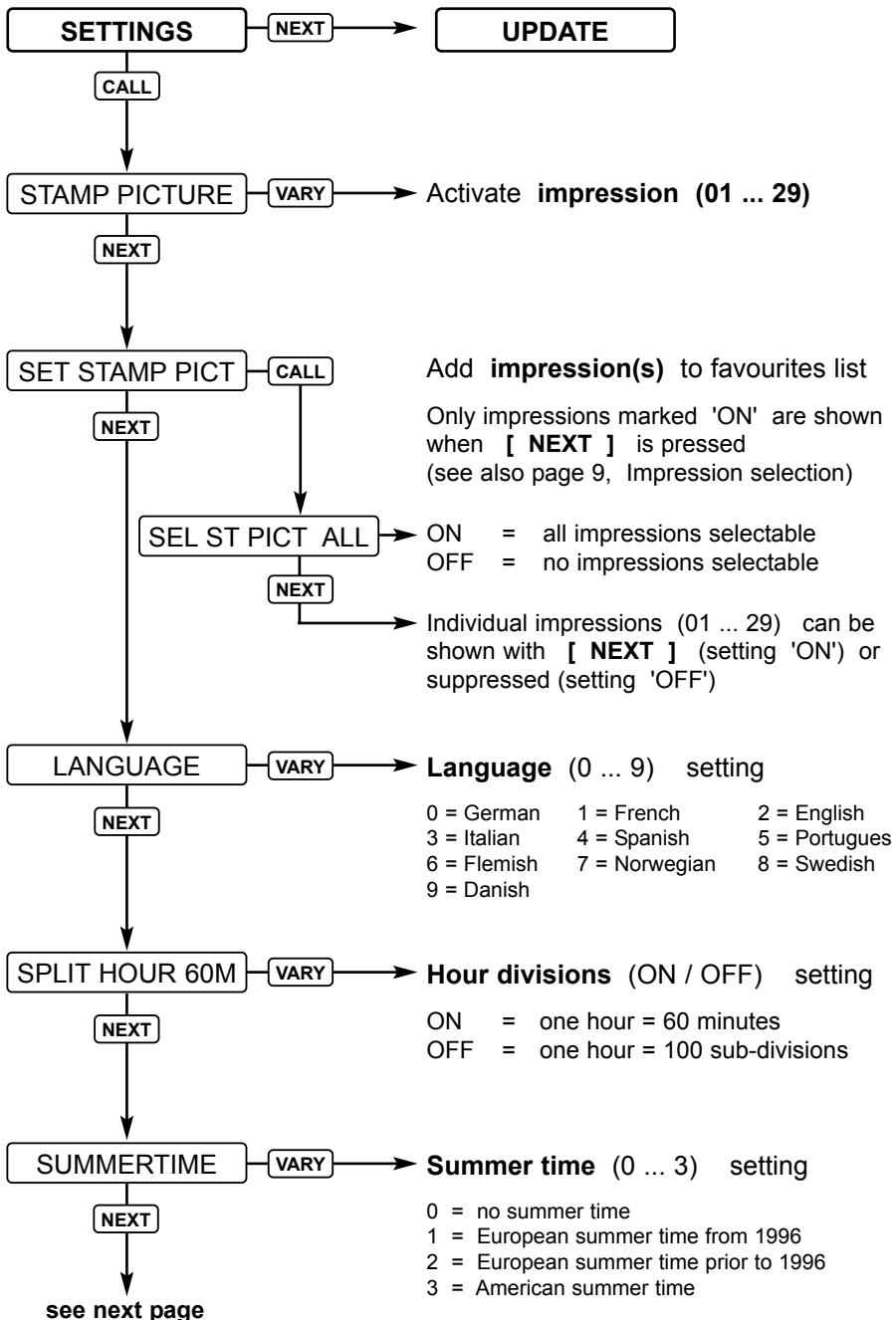
Note

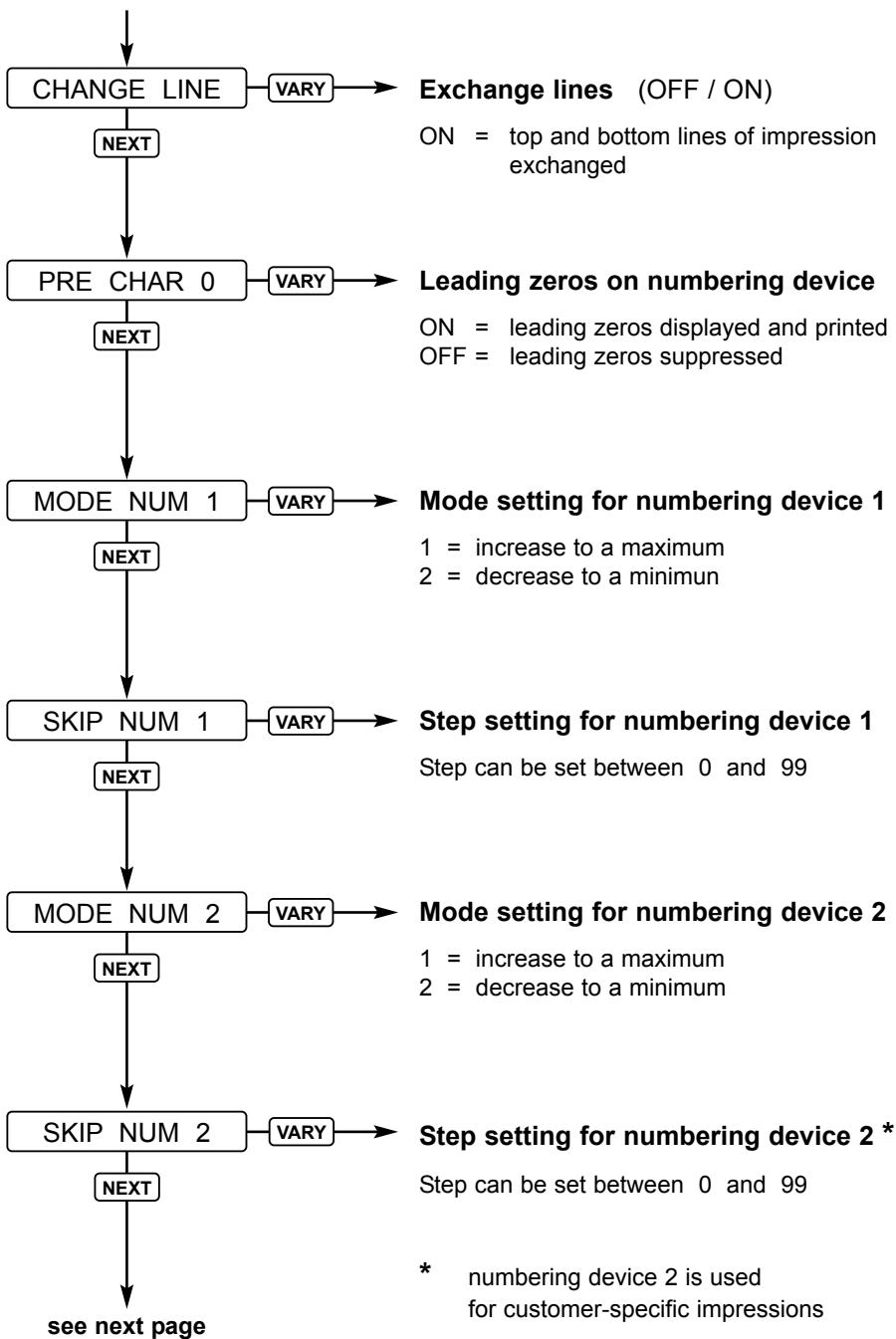
Selection of the Setup module may be protected by a password. In that case the correct password must first be entered. If you need further information, please contact your dealer

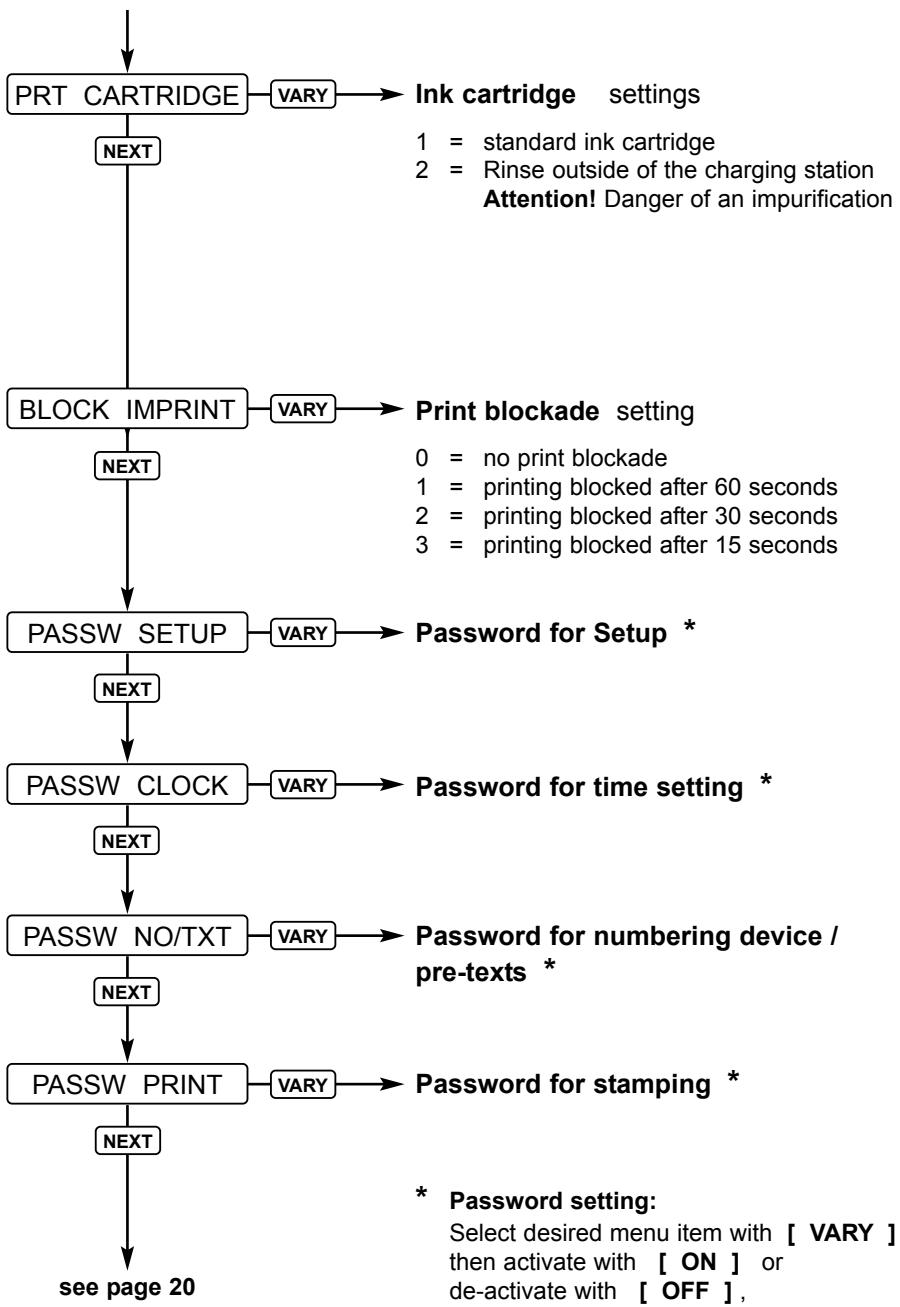
- ▶ By pressing **[NEXT]**, you can scroll through the menu items (see also page 21). The value or status of the current item is always shown on the right of the display.
- ▶ Pressing **[VARY]** selects the menu item shown, e.g. to change its value or status
- ▶ Numerical values can be increased by pressing **[INC]** or reduced by pressing **[DEC]** (decreasing)
- ▶ A status can be changed using **[OFF]** and **[ON]**
- ▶ Pressing **[RETURN]** accepts the value or status selected, and the display automatically shows the next menu item. Pressing **[RETURN]** again exits the Setup menu. The selected impression is displayed, and the stamp is ready for use

Description of the Setup module









* **Password setting:**

Select desired menu item with [VARY]
 then activate with [ON] or
 de-activate with [OFF],
 press [RETURN] and enter
 your chosen password.

see page 20

Troubleshooting

Display	Cause	Recommendation
IMPRINT BLOCKED	Time allowed by 'Block Imprint' has expired, disappears trigger has been pressed	Press [QUIT]: <i>jetStamp</i> is then ready for use again
WRONG STATION	Wrong base station, <i>jetStamp</i> needs an intelligent base station	Press [QUIT]: Error message disappears and previous display reappears
Error 04	Memory error	Press [QUIT]
Error 09	<ul style="list-style-type: none">Sensor or motor defectivePrint carriage blockade	Press [QUIT] and start stamping again

Reset button



Note

- If the Reset button is pressed, various settings are lost, e.g. date and time and the battery charge indication. *jetStamp* must then be placed in the charging station for about 3 hours to synchronise the state-of-charge indicator.
- If the battery has been discharged too far, the charging process may cause confused signs to appear in the display. Pressing the Reset button will cure this condition.
- To operate the Reset button, insert a straightend paper clip or similar object through the opening in the rear face of the stamp



Note

**Batteries are likely to deteriorate.
For this reason a life-time of more than 6 months
cannot be guaranteed.**

- Only use rechargeable batteries (accumulators) such as the AAA type Nickel Metal hydride (NiMH) provided!
- The following products are recommended if replacements are required:
Panasonic AAA NiMH 800 mAh and
GP Batteries AAA NiMH 950 mAh
- In principle only use accumulators of the same type (NiMH) and the same capacity
- Do not use other or normal (non-rechargeable) batteries! Other batteries may lead to operational failures or may damage the equipment. Damage may also be caused to the accumulator casing (dangerous). The manufacturer does not assume any liability in such cases.
- Pay attention to the polarity markings of the accumulators when inserting them! (see battery symbols in accumulator case)
- Pay attention that the contacts in the accumulator case do not come into contact with metallic or greasy components
- Do not immerse accumulators in water, nor throw them in fire
- Do not dispose of old, defective batteries with normal household rubbish
- Accumulators become warm during charging, this is normal and not dangerous
- Only use with charging station provided!
Accumulators may become damaged with other chargers.

Guidelines on commissioning and operating accumulators

- The charging of accumulators is electronically controlled. This ensures that the accumulator cells are charged in an optimal and sparing way.
- Fully charge the accumulators to begin with. We recommend charging the accumulators for around 16 hours continuously, e.g. overnight, for the first time. After this a maximum of six hours charging time is required (depending on battery capacity).
- After the first full charge the accumulators reach normal operating level. Although the green charge status indicator indicates that the accumulators are charged (green charge indicator display is off) in this initial phase it must be taken into account that normal stand-by times are lessened.
- New accumulators reach full capacity, while jetStamp is not on the charging station several times, until 'Emty BAT ' is indicated on the display.
After this the accumulators should be recharged again for about 16 hours.
- When removing the accumulators the display indicator is reset. Irrespective of the charge status of the accumulators an empty battery symbol  is always indicated on the display.

Technical data

Stamping time	approx. 0,7 seconds
Stamping cycle	> 2 seconds
Print capacity per ink cartridge	approx. 300.000 characters
Stand by time per accum. charge	6 days or 500 stampings
Time to charge accumulators	approx. 3 hours
Dimensions, <i>jetStamp</i> 790 only	(B x D x H in mm) 95 x 70 x 170
Dimensions, charging station only	(B x D x H in mm) 102 x 135 x 32
Height of <i>jetStamp</i> in charg. stat.	187 mm
Weight of <i>jetStamp</i> 790	approx. 490 g
Weight of charging station	approx. 430 g
Ambient temperature for operation	+ 8° C ... + 35° C (temperat. limits) down to - 8° C conditional
Temperature for transport and storage	- 20° C ... + 60° C (up to 48 hours)
Humidity for operation	30% ... 70% relative humidity
Humidity for transport and storage	10% ... 90% relative humidity
Power supply	by REINER AC adapter model A30908G, Protection class II
Manufacturer	Ontop European Div. of SAC Group
Mains voltage	230 V ~ / 50 HZ / 65 mA AC
Input voltage for charging station	9 V / 500 mA DC
Noise level	< 60 dB(A) (Workplace related emissions to ISO 7779)

Certifications



Tested safety

jetStamp is manufactured to the safety standards IEC 950, EN 60950 and VDE 0805



Kennzeichnung

jetStamp complies with EC directive 89 / 336 / EEC
'Electromagnetic compatibility'



Electro- and electronic appliances are off the point of domestic waste or residual waste

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