

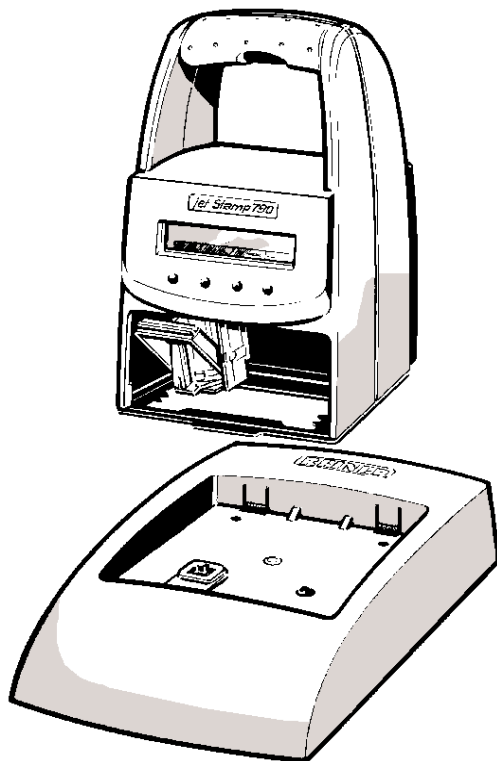
# REINER

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## Operating Instructions

### *jetStamp* 790 MSL

Mobile electronic hand stamp  
with flexible impression selection



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**Note**

= Information / Notice



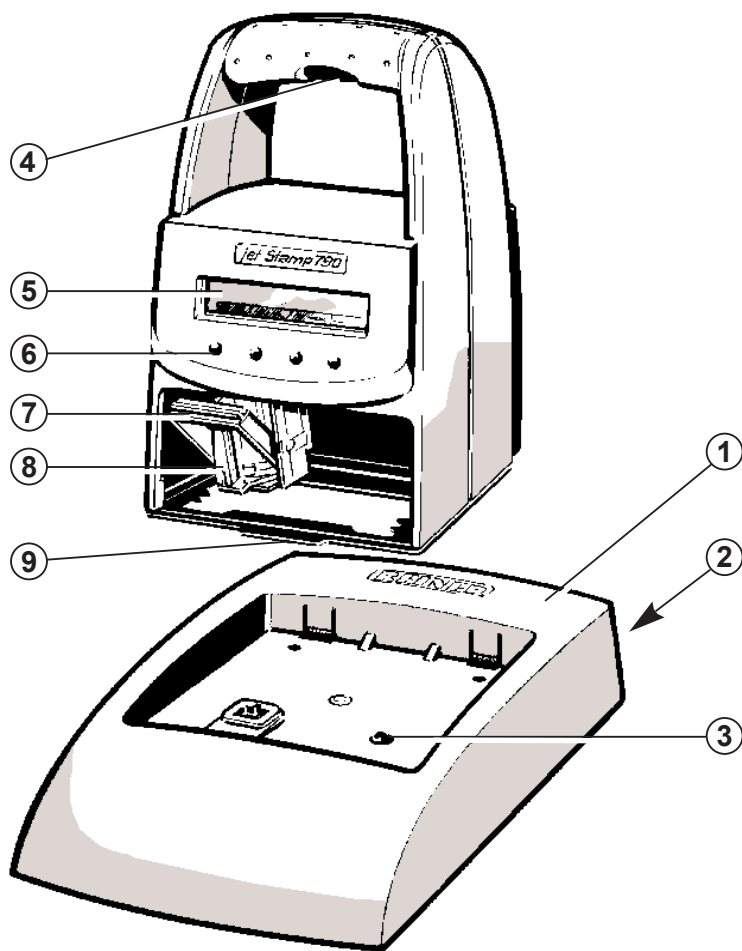
**Warning**

= Caution



= Safety hint

## Control elements




- 1 = Base station with mains unit
- 2 = Socket for power supply
- 3 = Green charge-indicator lamp
- 4 = Trigger
- 5 = Display
- 6 = Buttons
- 7 = Locking rail
- 8 = Ink cartridge
- 9 = Notch

## Commissioning

**Unpack the stamp,** connect the mains unit to the charging station, plug in the mains unit, and switch on the power supply.

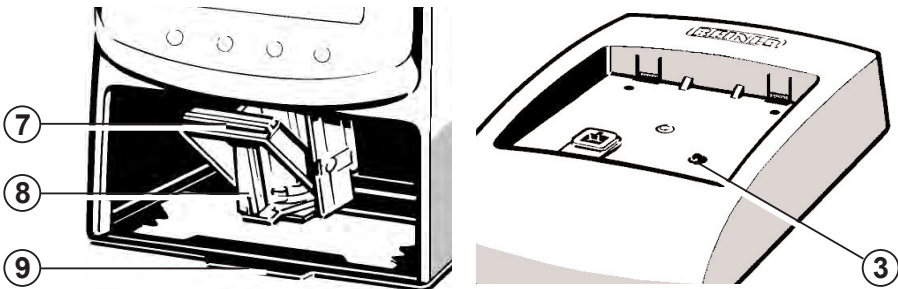
*Note:* Use only original REINER components!

**Place *jetStamp* in the charging station,** take care of the following points:

- Engage the notch (9) and place *jetStamp* in the charging station
- Allow at least 14 hours for the first charging, subsequently, approximately three hours are required for charging.  
The state of charge of the battery is shown in the top right-hand corner of the display by the battery symbol  .  
While charging is taking place, the green charging indicator light (3) on the charging station is illuminated.
- Avoid exposing the *jetStamp* to direct sunlight.  
For permissible ambient temperature, see page 23, 'Technical data'

### Installing ink cartridge:

- ▶ Press [ **MODE** ] if necessary repeatedly, until the menu item "INKJET" appears in the lower line of the display (menu bar)
- ▶ Press [ **INKJET** ]: For easier handling, the print carriage moves automatically to the centre of its travel
- ▶ Take the ink cartridge out of its packing (follow the manufacturer's instructions!)
- ▶ Press the locking rail (7) to the rear and insert the ink cartridge into the print carriage with its grip (8) towards you
- ▶ Pull the locking rail (7) forwards again until it engages
- ▶ Press [ **INKJET** ] to transport the print carriage back to its start position

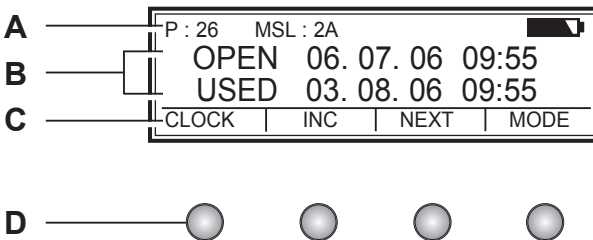


## Display zones and button functions

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:26 ... P:29) .  
To the right of that, the **Moisture Sensivity Level** is displayed (MSL: 1, 2, 2A, 3, 4, 5, 5A, 6)  
  
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:



## Setting time and date

- ▶ First select an impression that contains the date, or date and time as appropriate
- ▶ 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”)

At this point it is possible to switch over to “INPUT - TIME 2” and “INPUT - DATE 2” with [ **NEXT** ] (impracticable with MS-Level 5A !)

- ▶ 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

## Select a stamp picture



### Note

- A total of four different stamp pictures are stored. These contain the individual printing fields 'Date' and 'Time'.
- The stamp pictures are numbered 'P:26' to 'P:29'. The number of the stamp picture currently selected is shown at the top left of the display
- The following formats of the date are assigned to the different Stamp pictures:

#### Stamp picture P:26

Day, Month, Year, Time of day

P : 26	MSL: 2A		
OPEN	12. 07. 06	15:23	
USED	09. 08. 06	15:23	
CLOCK	INC	NEXT	MODE

#### Stamp picture P:27

Year, Month, Day, Time of day

P : 27	MSL: 2A		
OPEN	06-07-12	15:23	
USED	06-08-09	15:23	
CLOCK	INC	NEXT	MODE

#### Stamp picture P:28

Month, Day, Year, Time of day

P : 28	MSL: 2A		
OPEN	07 12 06	15:24	
USED	08 09 06	15:24	
CLOCK	INC	NEXT	MODE

#### Stamp picture P:29

Month, Day, Year, Time (AM/PM)

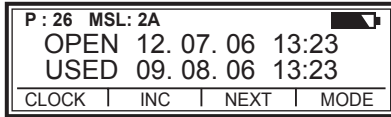
P : 29	MSL: 2A		
OPEN	07 12 06	PM 03:24	
USED	08 09 06	PM 03:24	
CLOCK	INC	NEXT	MODE

### Selection of a desired Stamp picture:

Select the desired Stamp picture via the SETUP menu. Over here all available Stamp pictures can be selected, as well as the Stamp pictures, demarked with 'OFF' in the Setup menu at 'SET STAMP PICT'  
(see Setup - menu, page 18, 'STAMP PICTURE')



## Descriptions of the Stamp pictures



### Note

- Each Stamp picture includes two lines with respective 20 possible input characters
- All Stamp pictures are assigned with the fields *Date 1* , *Date 2* , *Time 1* and *Time 2* .  
With application of a PC-Set the Stamp pictures can be reserved individual with the corresponding fields.  
Following this fields can be selected for data input.
- MSL (Moisture Sensivity Level):  
Setting see Setup module, page 18, 'MSL LEVEL'  
or see like following described:

### Setting of the MS - Level :

- ▶ Select the desired Stamp picture (P:26 ... P:29)
- ▶ To swap between the different MS - Levels (MSL 1 ... 6)  
press [ **NEXT** ]


<b>MS - Level:</b>	1	=	Unlimited
	2	=	1 Year
	2A	=	4 Weeks
	3	=	7 Days
	4	=	3 Days
	5	=	2 Days
	5A	=	1 Day
	6	=	Time on Label (description see next side)

## Time on Label

### Special function MSL: 06

By pressing [ **INC** ] the timing can be add up by one hour within of 23 hours. The alternation of days will be taken into account.

### Display example:

P : 26	MSL: 06		
OPEN	01. 10. 06	13:45	
USED	01. 10. 06	14:45	
CLOCK	INC	NEXT	MODE

### Imprint example:

MSL06 01.10.06 13:45  
USED 01.10.06 14:45

## Changing text blocks

### Entry of characters:

- ▶ Select the desired stamp picture (P:26 ... P:29)
- ▶ Press [ **NO / INC** ]:

The upper line of the display shows ' INPUT - MODI TEXT 01 '



Hinweis

INPUT - MODI TEXT 01 = Text block of the upper line:  
This is only an indication,  
printed is the set  
MS - Level  
(see page 10 and 12)

INPUT - MODI TEXT 02 = Text block of the lower line:  
This is the display of the  
printable block

- ▶ To vary between the input fields use [ **NEXT** ]
- ▶ Press [ **VARY** ] to select the displayed text block for input or modification
- ▶ Press [ **DEC** ] or [ **INC** ] to input the characters

Following characters are available:

0 ... 9      A ... Z      as well as following special characters:  
Ç Ä Å É Æ Ö Ü £ Ø Ñ Á  
À • Ê Ë Ó Ú € Í \$ & \* +  
, - . / : @

- ▶ Press [ **RIGHT** ] to select the single input digits
- ▶ Press [ **RETURN** ] to return to the previous menu

## 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.



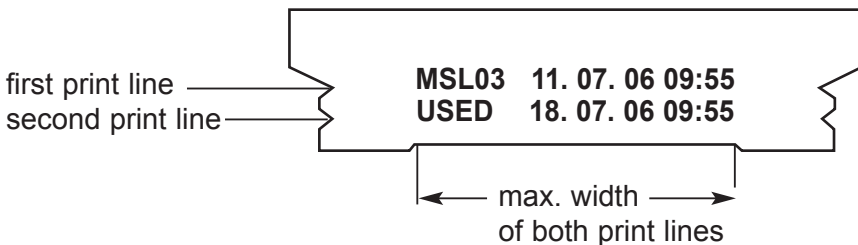
- Stamping may be protected by a password. In that case the correct password must first be entered. To block stamping again, press [ **MODE** ] repeatedly until 'CLOSE' appears in the menu bar. Pressing [ **CLOSE** ] will block stamping
- With longer stamp breaks, *jetStamp* should be placed into the base station to ensure that the jets of the ink cartridge stay on up state



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 21, 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

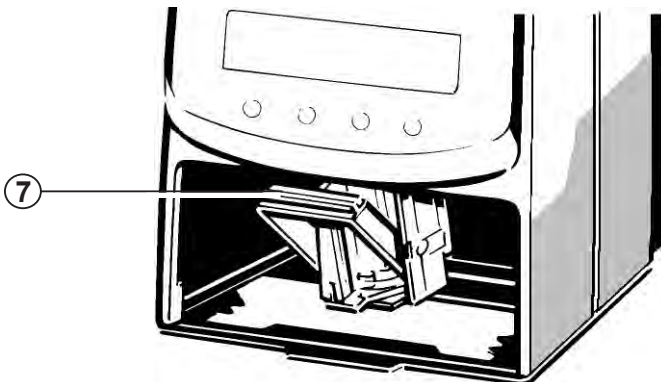


### Warning

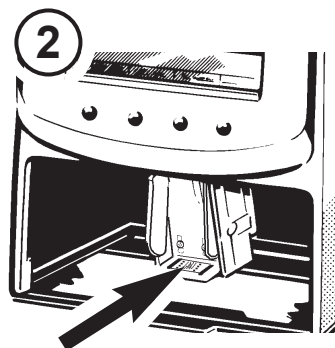
The ink in the ink cartridge is harmful. Never swallow it! Always keep the ink cartridge out of the reach of children!

### Removing a used ink cartridge:

- ▶ Press [ **MODE** ], if necessary repeatedly, until the menu item “INKJET” appears in the menu bar
- ▶ 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

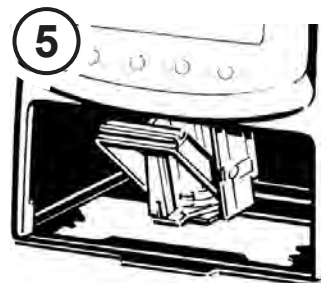
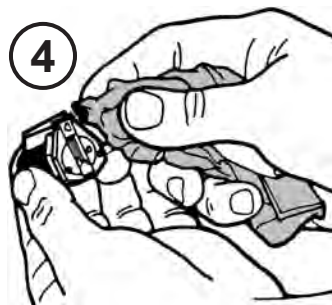
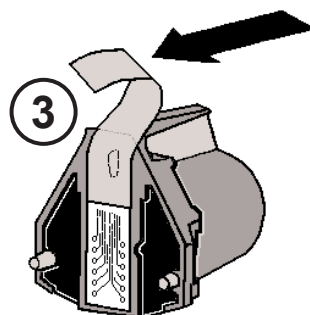


Dirt and dried up ink at the holder of the ink cartridge can be removed with a soft cleaning cloth moistened in spirit (see figure 2)



### Insert the new ink cartridge:

- ▶ Take the ink cartridge from the packaging and remove the coloured protection film from the ink cartridge (see figure 3)
- ▶ Residual ink on the silver plate can be removed with a soft cloth (see figure 4)
- ▶ 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 5)



#### 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** ]



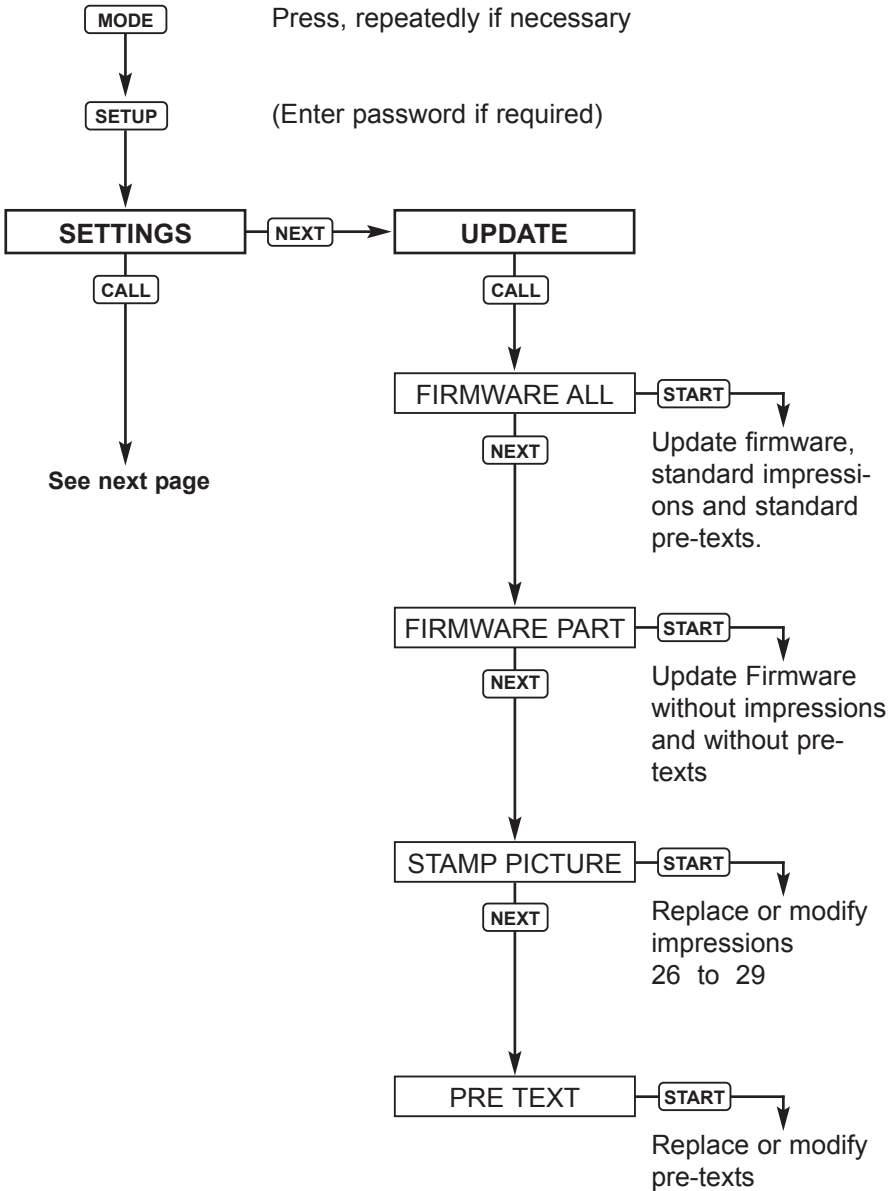
### Note

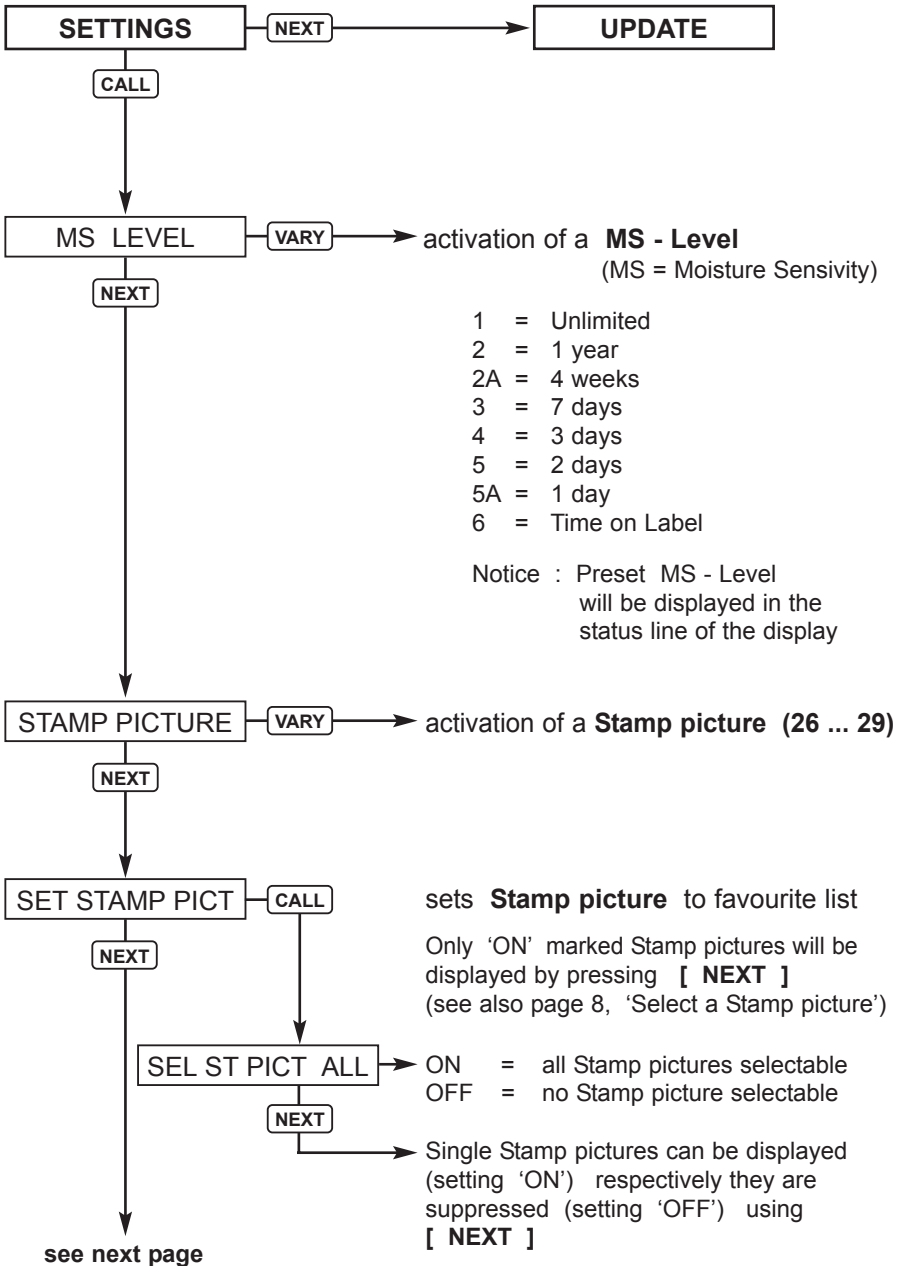
Selection of the Setup module may be protected by a password. In that case the correct password must first be entered. If you need further information, please contact your dealer

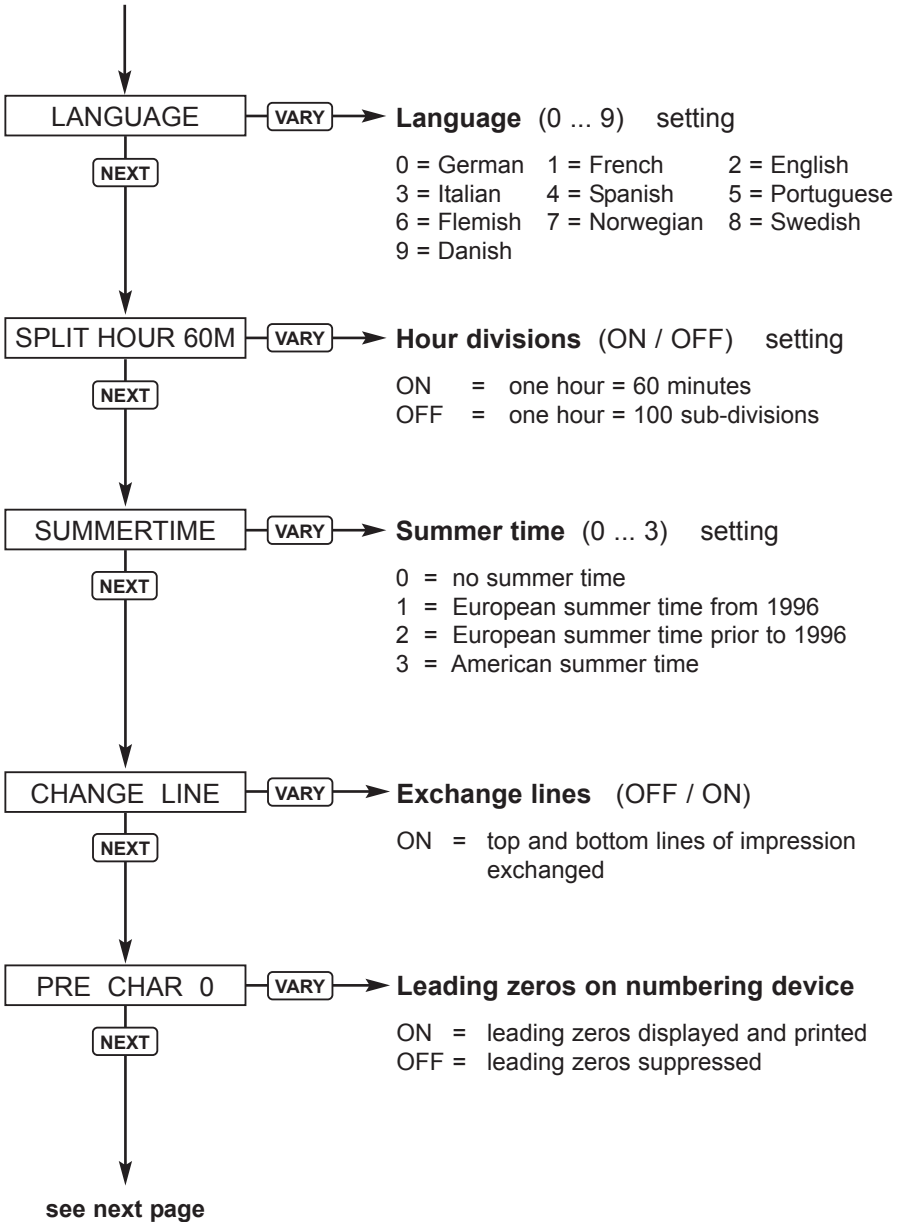
- ▶ By pressing [ **NEXT** ], you can scroll through the menu items (see also pages 17 and 18). The value or status of the current item is always shown on the right of the display.
- ▶ Pressing [ **VARY** ] selects the menu item shown, e.g. to change its value or status
- ▶ Numerical values can be increased 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

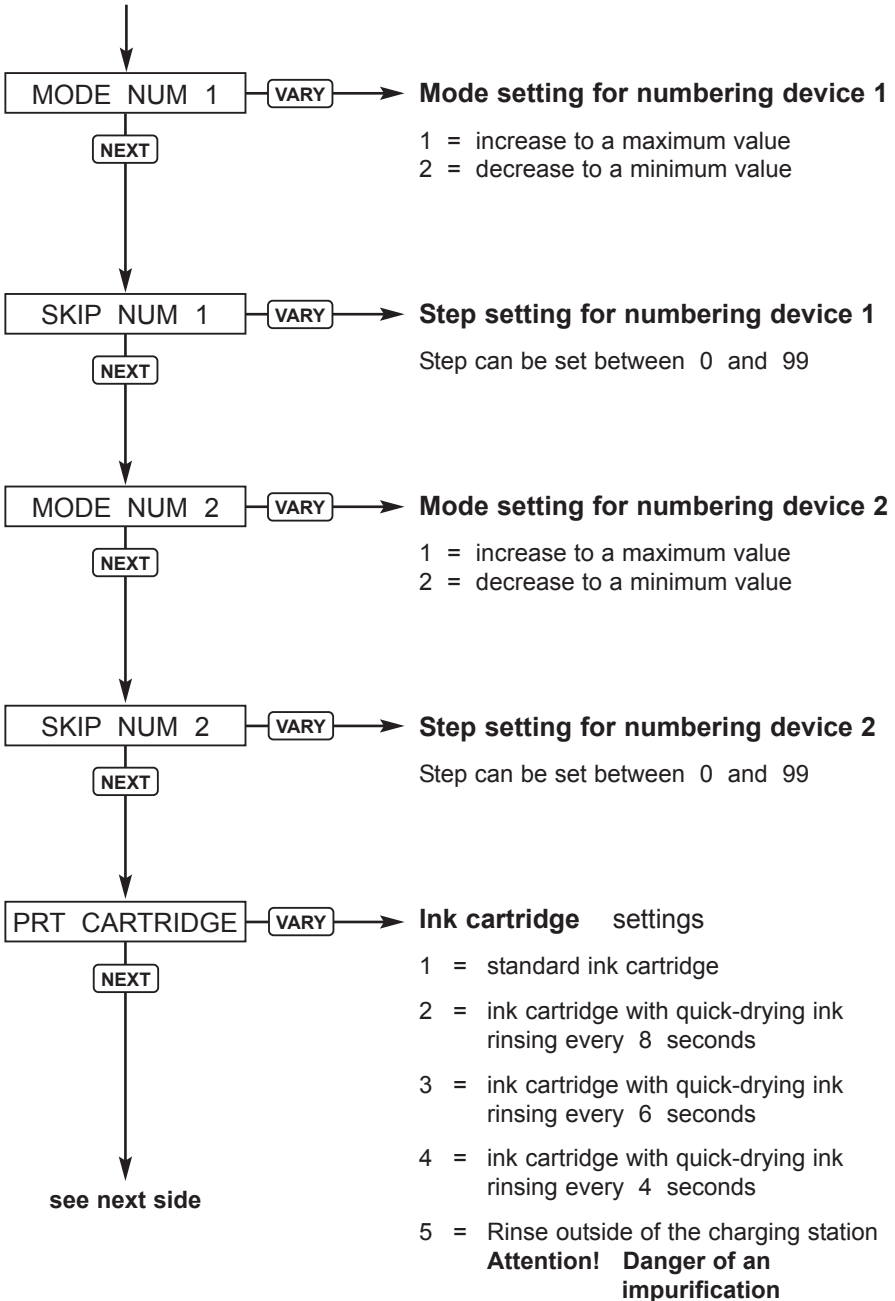


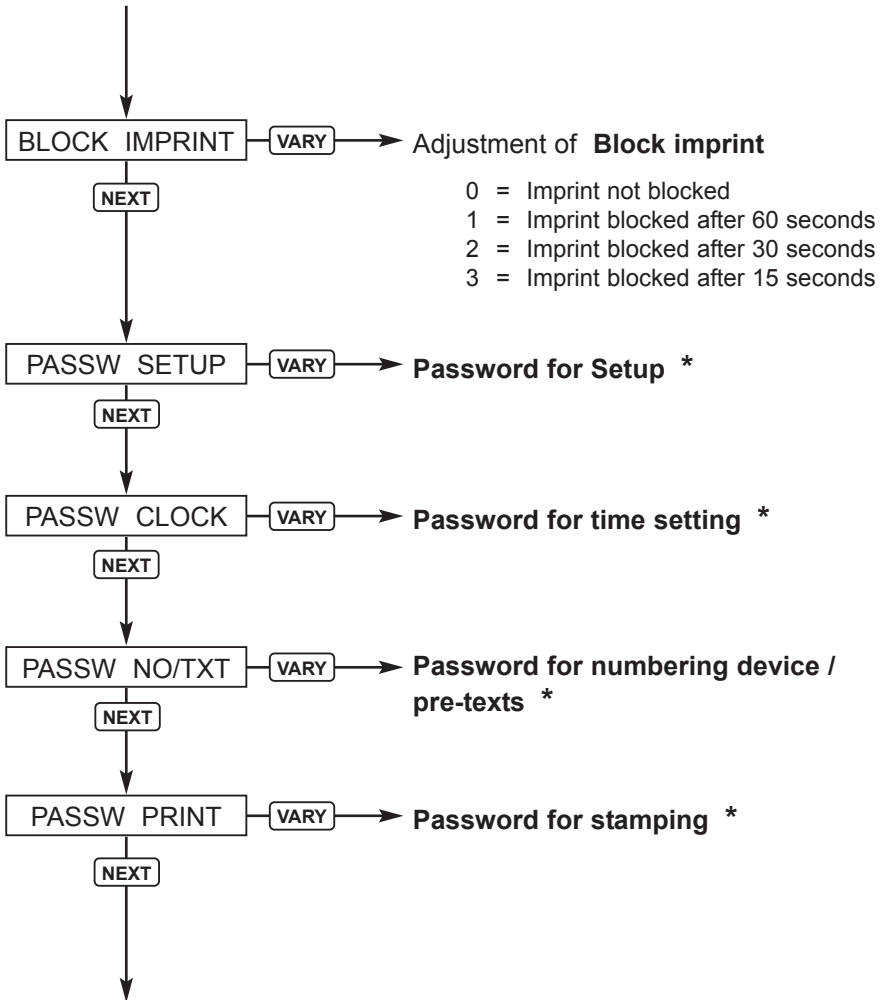
## Description of the Setup module











- 0 = Imprint not blocked
- 1 = Imprint blocked after 60 seconds
- 2 = Imprint blocked after 30 seconds
- 3 = Imprint blocked after 15 seconds

back to  
MS LEVEL  
see page 18

\* **Password setting:**  
 Select desired menu item with [ VARY ]  
 then activate with [ ON ] or  
 de-activate with [ OFF ],  
 press [ RETURN ] and enter your  
 chosen password

## Troubleshooting

Display	Cause	Recommendation
IMPRINT BLOCKED	Time allowed by 'Block Imprint' has expired, disappears trigger has been pressed	Press [ <b>QUIT</b> ] : jetStamp is then ready for use again
WRONG STATION	Wrong base station, <i>jetStamp</i> needs an intelligent base station	Press [ <b>QUIT</b> ] : Error message disappears and previous display reappears
Error 04	Memory error	Press [ <b>QUIT</b> ]
Error 09	- Sensor or motor defective - print carriage blockade	Press [ <b>QUIT</b> ] 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

## 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 battery charge	6 days or 500 stampings
Time to charge battery	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 possible
Temper. 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 A30950G, 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)



### Tested safety

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



### Markings

*jetStamp* complies with EC directive 89 / 336 / EEC 'Electromagnetic compatibility', and therefore carries the CE symbol.

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