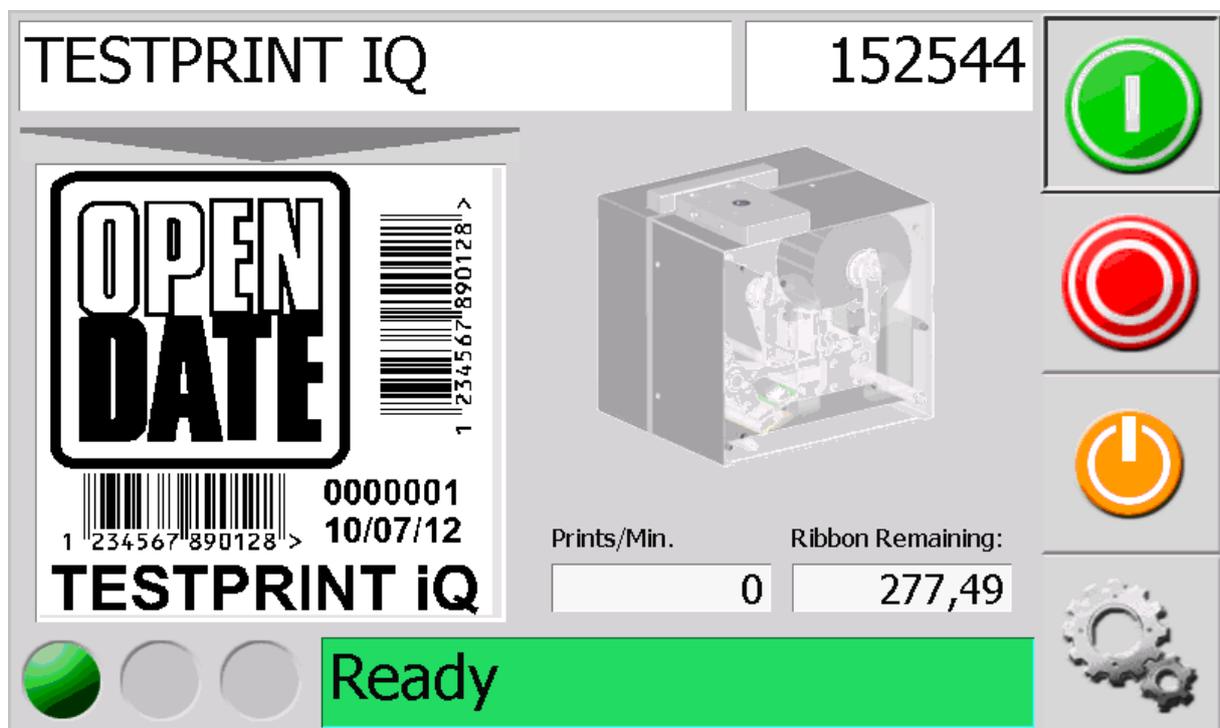


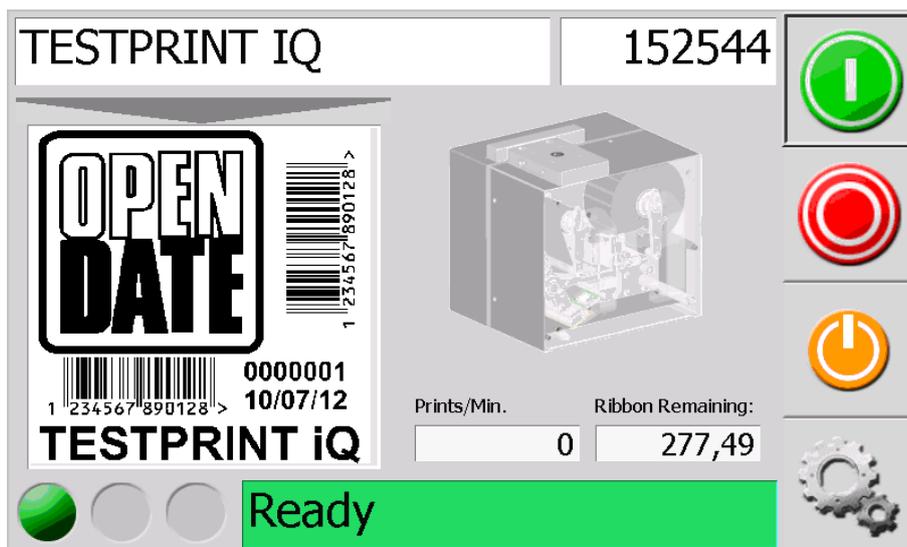
Instruction Manual for the iQ Editor



Contents

	Page No
Contents	2
1.0 Overview of the Main Screen.....	3
2.0 Switching the Printer On & Off.....	6
2.1 Switching On.....	6
2.2 Switching Off.....	6
3.0 Basic Functions of the User Software.....	8
3.1 Buttons.....	8
3.2 Input Windows.....	9
3.2.1 Input Numbers.....	9
3.2.2 Text Input.....	10
3.3 Search Function.....	12
3.4 Menu Structure.....	13
4.0 Product Counter Set.....	14
5.0 Overview of the Main Menu. (Settings).....	15
6.0 Overview of Information Screen.....	16
7.0 Test Print Menu.....	17
8.0 Service Menu.....	18
8.1 Time & Date.....	18
8.2 Ribbon Parameters.....	18
8.3 Printhead Data.....	20
8.4 Network.....	21
9.0 Passwords Menu.....	22
9.1 Display.....	22
9.2 Change.....	23
9.3 Activate.....	24
10.0 Supervisor Menu.....	25
10.1 Language.....	25
10.2 Relays.....	26
10.2.1 Relay set.....	26
10.2.2 Functions of the Relay.....	26
10.3 Delay.....	27
10.4 Limit.....	27
10.5 System Variables.....	28
10.6 Pause Printing.....	28
11.0 Format Management Menu.....	29
12.0 Edit Current Format Menu.....	31
12.1 Create New Format.....	31
12.2 Current Format Delete.....	31
12.3 Change Format Orientation.....	32
12.4 Change Print Parameters.....	33
12.5 Edit Format.....	34
12.6 Set Print Count.....	34
12.7 Set Variables.....	34
12.8 Save As.....	34
13.0 Create New Format.....	35
13.1 Construction of the Editor.....	36
13.1.1 Function of the Buttons.....	37
13.2 Creating the Format.....	39
13.2.1 Creating Text.....	39
13.2.3 Creating a Barcode.....	40
13.2.4 Adding Graphics.....	42
13.2.5 Create a Box or Line.....	43
13.3 Variable Create / Modify.....	44
13.3.1 Fixed Text.....	46
13.3.2 Text using Limits.....	47
13.3.3 Counter Field.....	48
13.3.4 Time.....	49
13.3.5 Shift Code.....	50
13.3.6 Date.....	51
13.4 Set Variables.....	55
13.5 Variable Create / Modify using Text Input.....	57
13.6 To Add a Variable Field.....	58
13.6 To Edit a Variable Field from the Text Input Window.....	60
13.7 Saving Format.....	61
13.8 Creating a New Format from an existing one.....	61
14.0 Using a USB Flash Drive.....	63
14.1 Fonts.....	63
14.2 Graphics.....	63
14.3 Labels (Print Formats).....	64
15.0 Entering the Print Head ID.....	64
16.0 Firmware Update.....	65

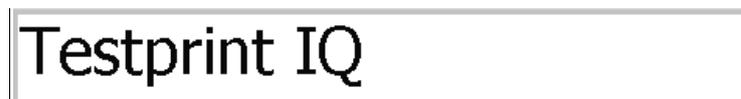
1.0 Overview of the Main Screen.



This is the main screen of the Editor, the functions and descriptions are described as follows.

Format Description

Displays the format description / name
(In this example 'Testprint IQ').



Product Counter

Displays the total number of prints. This counter can be zeroed or set to any six digit number. (See page 15)



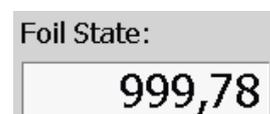
Prints Per Minute

The counter displaying prints per minute. Please note that this counter will update only once per minute.



Ribbon Remaining Counter

Displays the remaining ribbon left on the magazine.
(This value is only correct if you zero the counter after each ribbon change)





Format Image Window

Preview of the actual format layout.

On the bottom side of the Main Screen, you will see the Status Window.

Information is displayed in two areas. Optical (Colour green, yellow and red) and text (Ready, Offline or Fault).



If the optical status is green and in the text note is 'Ready', the printer booted up and in the operating mode.



If the optical status yellow and in the text note is 'Off Line', the printer booted up but not in the operating mode. (There is no fault with the printer)



If the optical status is red, you will see a fault message in the text note (in this example, Magazine open). When the fault is cancelled / cleared, the printer will switch automatically to 'Ready'.



On Line Button

Takes the printer On Line / Ready.



Off Line Button

Takes the printer Off Line.



Power Down Button

Turns the printer off.



Settings Menu Button

Takes you to the settings menu.

2.0 Switching the Printer On & Off.

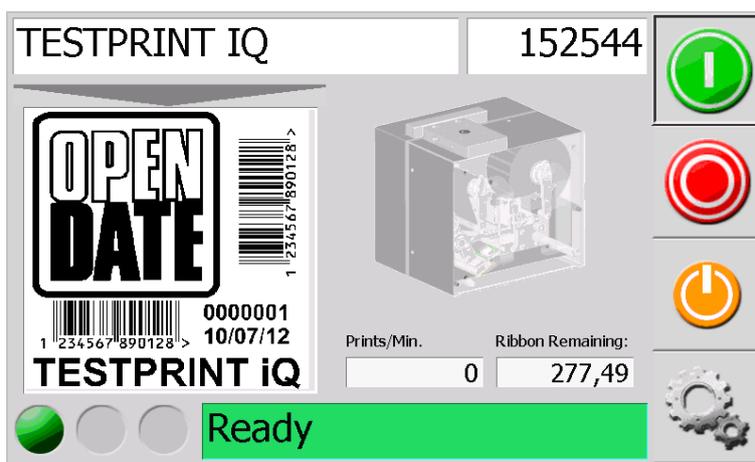
Before turning the printer on make sure all the cables are connected correctly and firmly screwed tight.

2.1 Switching On.

Turn power on to the printer by the switch on the power supply. After approximately 15 seconds the Editor screen below will be displayed.

If the magazine is not in place the optical status message will be red, and the text box will read 'Calibrating'.

When the magazine is in place the printer will now start its calibration sequence. After a few seconds the status of optical status message will be green and the message 'Ready' appears. The printer can now be used.



2.2 Switching Off.

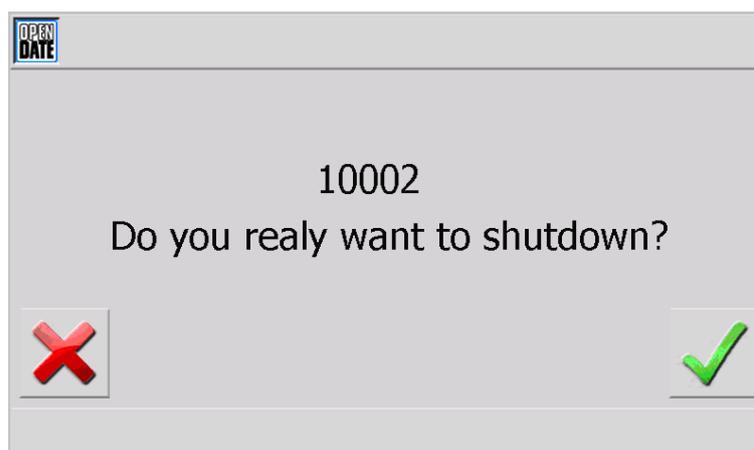
The printer must be switched off correctly to ensure print count, remaining ribbon counter and recent changes to the settings are saved in the printer's memory.



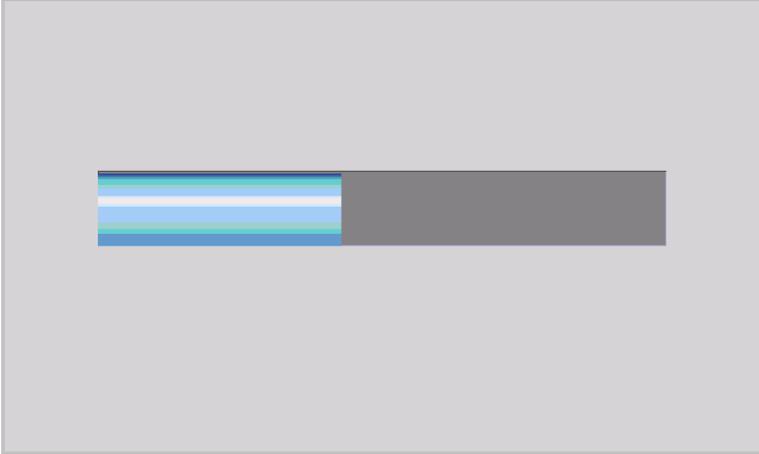
Press the Power Down Button.

The following screen is displayed.

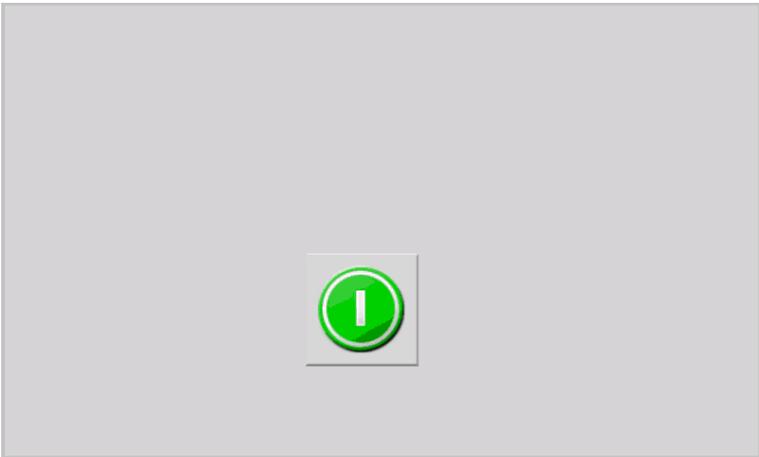
Press the green tick (**Accept / Enter Button**) to turn the printer off.



You will see a loading bar. During this period, all data stored in the printer is backed up.

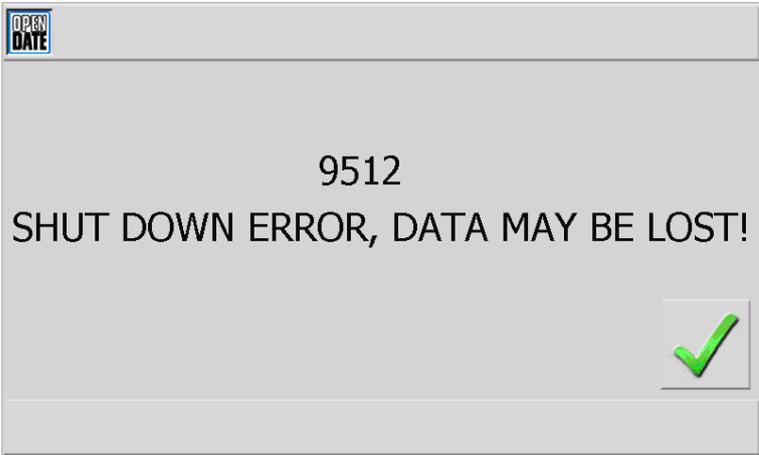


When powered down the following screen is displayed. You can now turn off power to the printer using the switch on the power supply.



If you want to continue printing, press the green Power On button. After a few seconds, the printer will power up and display the main screen of the Editor.

If you turn power off to the printer and do not observe the shut down procedure described above the following screen will be displayed.



3.0 Basic Functions of the User Software.

3.1 Buttons.



Home Menu Button
Takes you to the previous menu.



Accept / Enter Button
Saves the changed setting or values and leave the menu.



Escape / Cancel Button
Leaves the menu without saving the changes.



Field Right Button
Selects the choice box one field to the right.



Page Right Button
Selects the choice box page one page to the right.



Field Left Button
Selects the coice box one field to the left.



Page Left Button
Selects the choice box page one page to the left.



Create New Button
For creating new formats.



Delete Button
For deleting a format.



Choice Box Button
Selects a choice box.



UP / Down Buttons

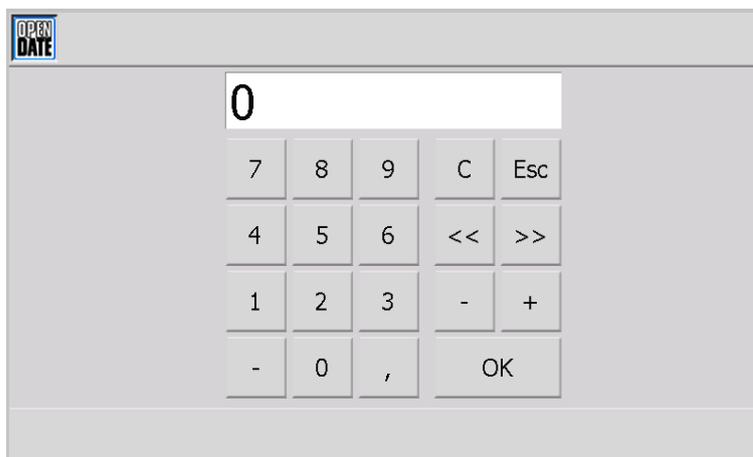
Changes the values up and down.

Left Arrow = Decrease Value / Right Arrow = Increase Value (by a unit of 1)

3.2 Input Windows.

In some menu items you can type either numbers or text.

3.2.1 Input Numbers.



You can input the numbers with the number buttons.



Cancel / Clear Button

Resets the value to zero.



Escape Button,

Exits the input window without saving the changes.



Move Cursor Left Button

Moves the cursor to the left.



More Cursor Right Button

Moves the cursor to the right.



Minus Button

To reduce the value by 1.



Add Button

To raise the value by 1.



OK / Enter Button

To enter / save the changed setting / values and leave the menu.

3.2.2 Text Input

Standard text input window.



Shift Button

Takes you to the capital letters window.

Input window with capital letters.





Special Character Button

Takes you to the special characters window.

Input window with special characters.



You can add special characters as shown above.



Escape Button

Exits the input window without saving the changes.



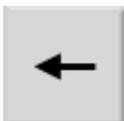
Delete Button

To delete single characters.



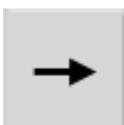
Enter Button

To enter / save the changed setting / values and leave the menu.



Move Cursor Left Button

Moves the cursor to the left.



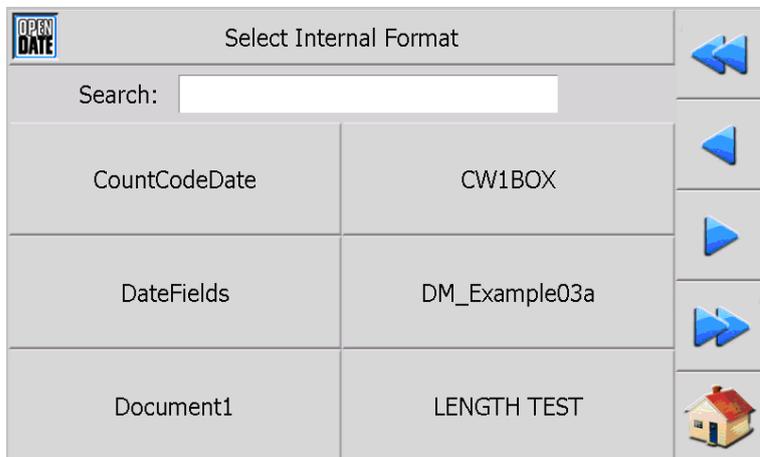
Move Cursor Right Button

Moves the cursor to the right.

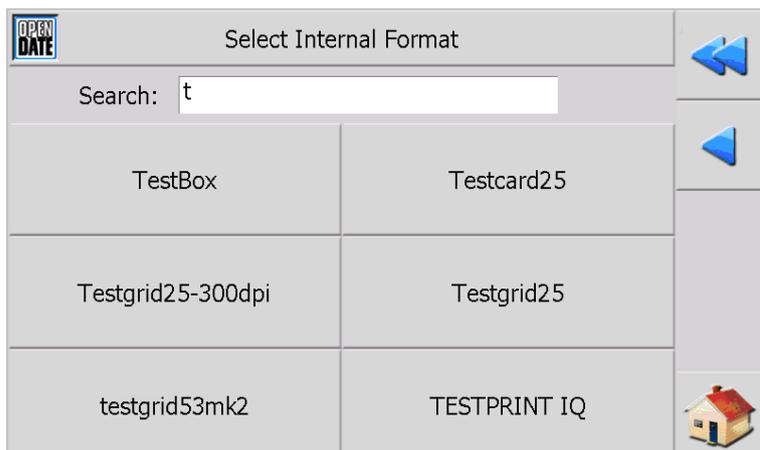
3.3 Search Function.

When selecting / searching for formats the filter function can be used. Touch the Filter Window to select. Now enter text to search for the required format. **The upper / lower case of the text is not important.** The more information entered the more specific the search will be.

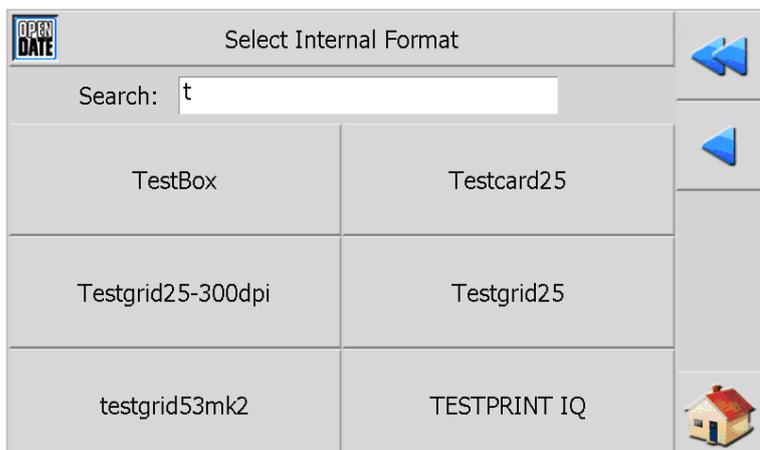
No filter function. It displays all loaded formats.



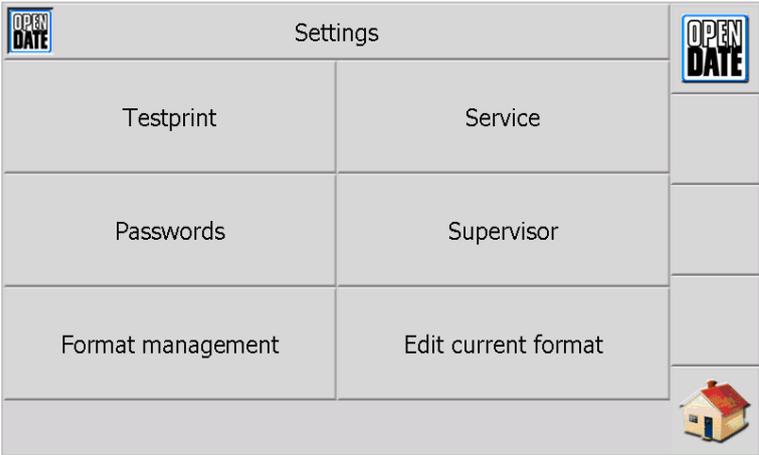
Type 't' (or 'T') and all the formats that with begin with that letter will be displayed.



Type the whole format name and only the desired format will be displayed.



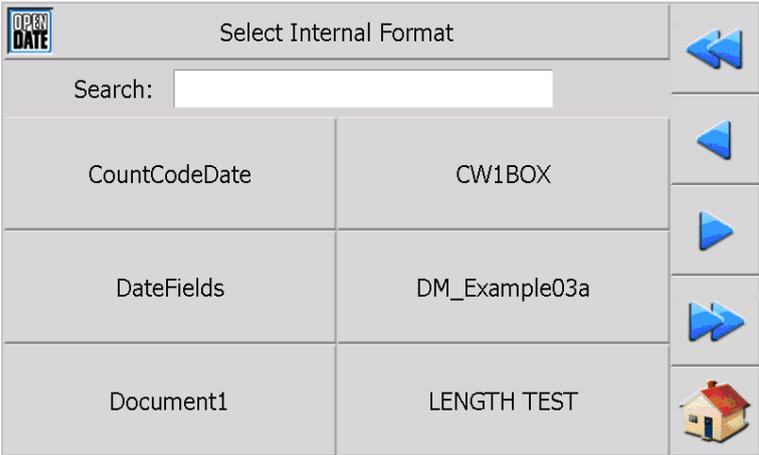
3.4 Menu Structure.



The construction of all menu screens (in the above example 'Settings') is similar for all menu screens.

The main body of the screen is made up of the large buttons, i.e. Testprint / Service / Testprint etc.

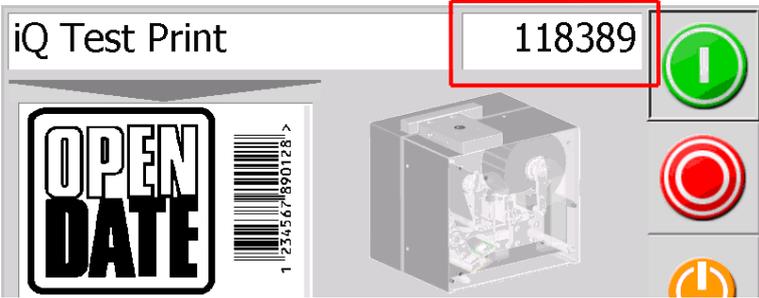
To the right of the screen are five square buttons that are populated with different controls depending on the screen selected as seen in the example below.



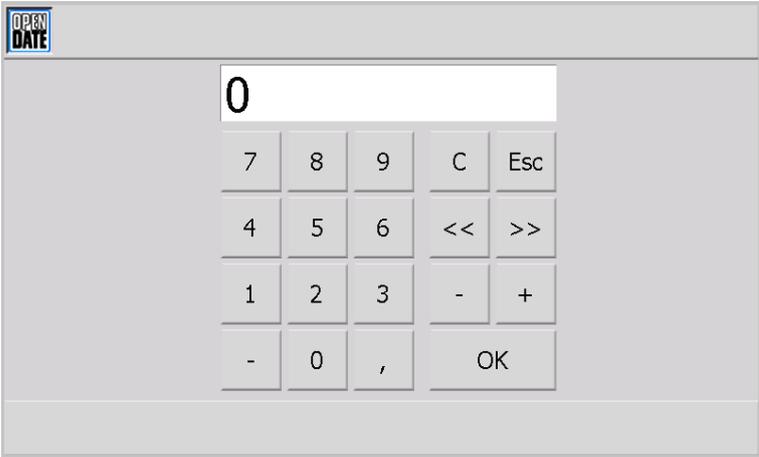
In all menu screens the 'Home Menu Button' on the bottom right of the screen is always displayed to allow you to exit the screen and return to the previous menu.

4.0 Product Counter Set.

To set the value of the counter product, touch the counter window on the Main Screen to select it.



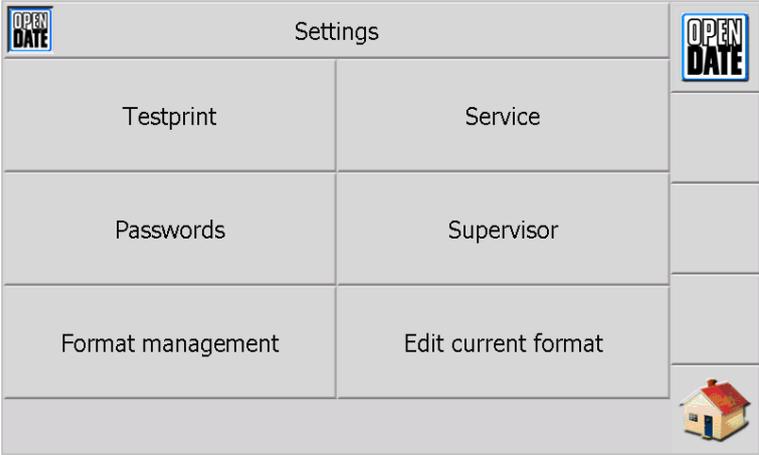
The following window is displayed for entering numbers.



You can now enter either zero or a desired value.

5.0 Overview of the Main Menu. (Settings)

To access the main menu (Settings), touch the 'Settings Button' (Gears) on the main screen.



The following screen is displayed.

Touch any of the main function buttons to access the submenus. (The functions of the main function menus are described later in this manual)

At the top left corner of the screen is the Info Button (Open Date logo). This button access the business details and printer information. (See Page 16)

6.0 Overview of Information Screen.

Touch the Info Button (Open Date logo)

The following screen is displayed. Descriptions are described as follows



Local Open Date Company contact details.

Actual date and time (the clock will only update when the screen is refreshed)

Version of the currently loaded firmware displayed. The date and time of the firmware version are also displayed.

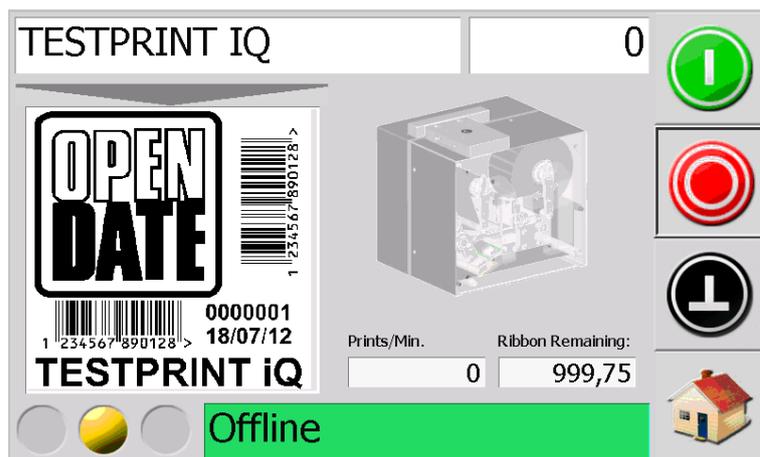
FPGA = the current FPGA version displayed.

Meters Done = the number of meters the print head has printed since being fitted.

Prints = the number prints the print head has printed since being fitted

Ram = the free space of the memory of the Editor.

7.0 Test Print Menu.



As well as appearing on the main screen of the Editor the 'Test Print' screen displays the format name, product counter, the prints per minute, the remaining amount of ribbon and a preview of the current format.

The visual message is status when entering the menu always appears in the text box as yellow and 'Off Line'.

The buttons, however, have another function as the main screen.



Print Button

To activate 'continuous printing'.

After about 1 minute, the calculated value for prints per minute can be seen in the Prints Per Minute Window.



Stop Print Button

Takes the printer off line and stops printing.



Test Print Button

Touch the button to trigger a single print.

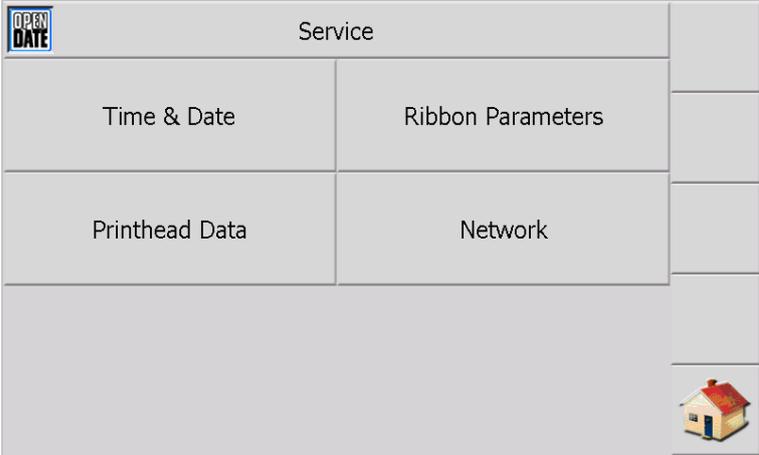


Home Menu Button

Pressing the button takes you back to the main menu.

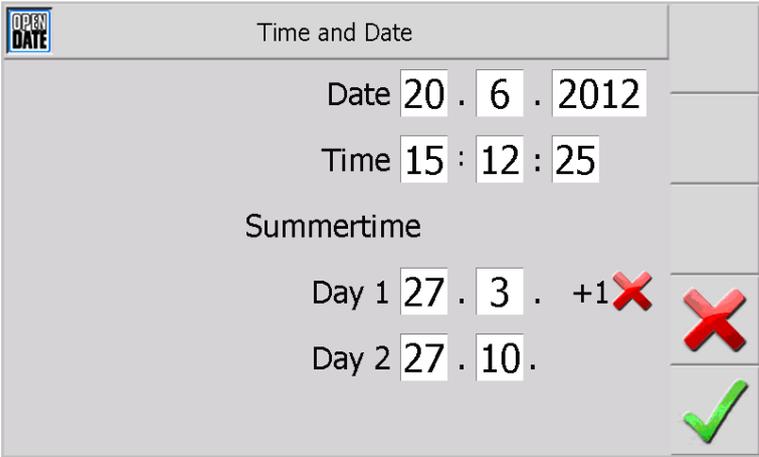
8.0 Service Menu.

If you touch the 'Service Button' in the main menu, the following screen is displayed.



8.1 Time & Date.

If you touch the 'Time & Date' button in the 'Service' menu button, the following window is displayed.



Once you click on one of the clear background display window, the window opens for entering numbers. You can now enter the desired value.

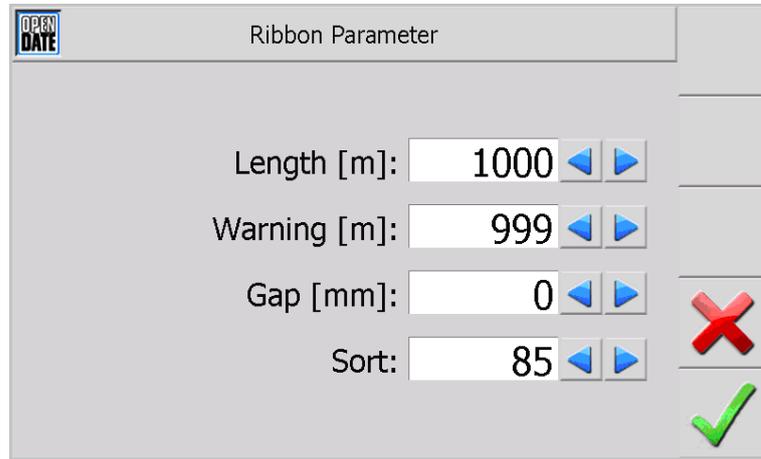
When the time is set to automatically switch from summer time to winter time, this must be changed in the image by Red Cross (next +1) Touch the Red Cross to change it to a Green Tick.

You can now set 'Day 1' to the start of daylight saving time and 'Day 2' to the end of summer time.

To store the changed value, touch the button with the Green Tick. The time the Editor needs to back up the change is approximately 1 minute.

8.2 Ribbon Parameters.

If you touch the 'Ribbon Parameters' button in the 'Service' menu (see page 19) the following screen will be displayed



Once you touch on one of the clear background display windows, the window opens for entering numbers. You can now enter the desired value.

You can also use the arrows to use in addition to the white input fields to change the values.

The window 'Length (m)' is used to enter the ribbon reel length.

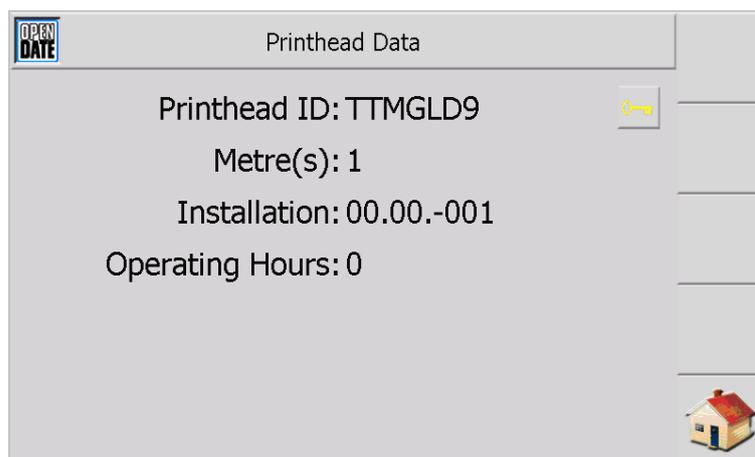
The window 'Warning (m)' is used to enter the desired remaining length of ribbon for an 'end of ribbon warning'.

The window 'Gap (mm)' is used to set the amount of how many mm the ribbon should be pulled more than the length of the printed image.

The window 'Sort' is used to adjust for higher melting point ribbons. The default value for a wax / resin film 85 and a resin film 110.

8.3 Printhead Data.

If you touch the 'Printhead Data' button in the 'Service' menu (see page 19) the following screen will be displayed.



In the line "Printhead ID" Open Date's unique ID number for the Printhead will be displayed.

The Print Head ID number is provided with each new print head.

Please note that this is not the serial number.

In the line 'Meter' the total number of the meters printed by the Printhead is displayed.

In the line 'Commissioning' is the date of the installation of the Printhead is shown.

In the line "Operating Hours' total number of printing hours of the Printhead is shown.



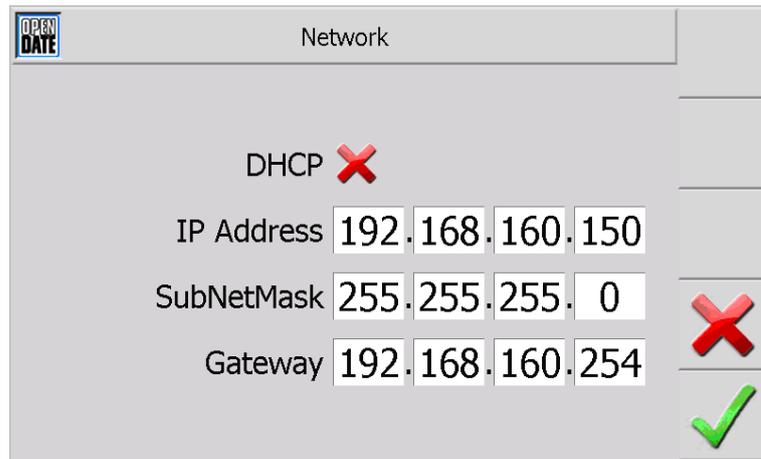
By touching the 'Key Button' a menu opens to enter a new Printhead ID.

This is in the manual under 'Entering a new Print Head ID' (See Chapter15.0)

Please enter only a new ID if you have installed a new print head, or in consultation with a Service Technician Open Date.

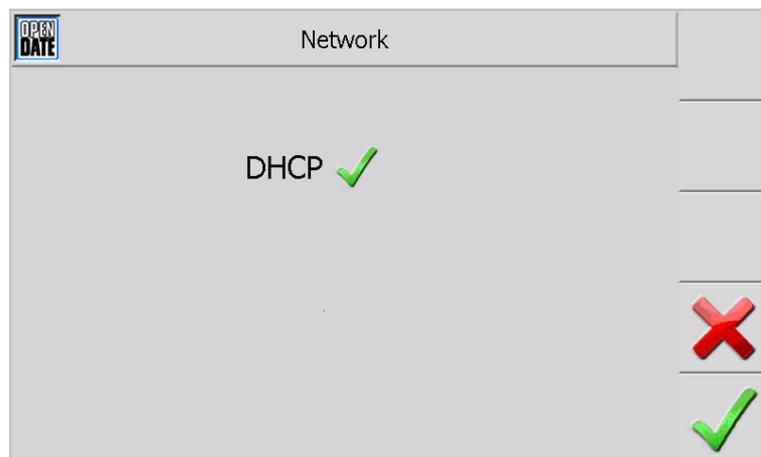
8.4 Network.

If you touch 'Network' button in the 'Service' menu (see page 19) the following screen will be displayed



The screenshot shows a 'Network' configuration screen. At the top left is a logo with 'OPEN DATE'. The title 'Network' is centered at the top. Below the title, the text 'DHCP' is followed by a red 'X' icon. Underneath, there are three rows of input fields: 'IP Address' with the value '192.168.160.150', 'SubNetMask' with the value '255.255.255.0', and 'Gateway' with the value '192.168.160.254'. To the right of these fields are two large icons: a red 'X' and a green checkmark.

Once you click on one of the clear background display windows the window opens for entering numbers. You can now enter the desired value.



The screenshot shows the same 'Network' configuration screen. The 'DHCP' text is now followed by a green checkmark icon. The input fields for IP Address, SubNetMask, and Gateway are no longer visible. The red 'X' and green checkmark icons remain on the right side of the screen.

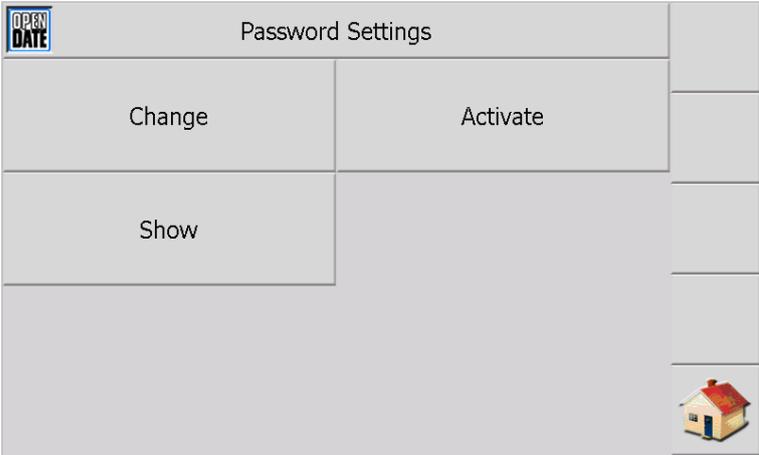
Once you press the red cross next to "DHCP". It appears now a Green Tick. The input boxes will disappear.

The function of DHCP is to obtain an IP address automatically (the same as in Windows). Please note that this feature works only in appropriate networks.

If this screen is displayed and you want to change the network settings, touch the smaller Green Tick to the right of DCHP and the network display windows will appear.

9.0 Passwords Menu.

If you touch the 'Passwords Button' in the main menu (see page 16) the following screen will be displayed.



The functions of the sub-menus are described below.

9.1 Display.

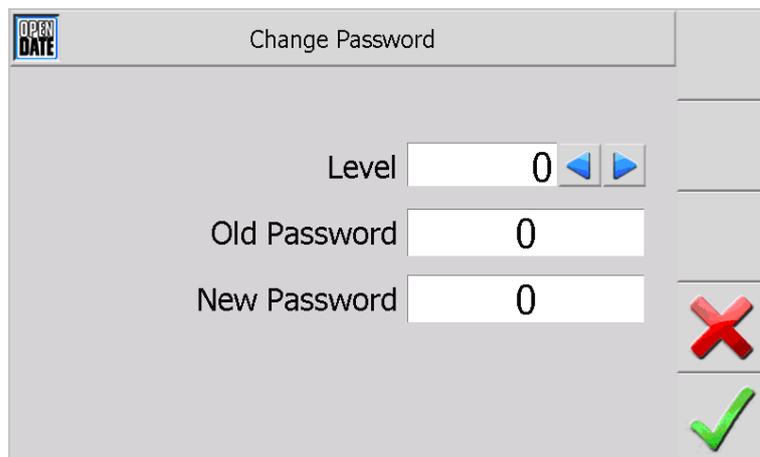
If you touch the 'Show Button' in the "Password" menu the following screen is displayed.



In this window you can see the passwords set for the various levels of password.

9.2 Change.

If you touch the “Go” button in the “Password” menu the following screen is displayed.



The screenshot shows a 'Change Password' dialog box. At the top left is a logo with the text 'OPEN DATE'. The title of the dialog is 'Change Password'. There are three input fields, each containing the number '0'. The first field is labeled 'Level' and has two blue arrow buttons to its right. The second field is labeled 'Old Password' and the third is labeled 'New Password'. To the right of the input fields are two buttons: a red 'X' button and a green checkmark button.

Once you touch on one of the clear background display window, the window opens for entering numbers. You can now enter the desired value.

You can also use the blue arrows to use in addition to the white input fields to change the password level.

In the line ‘Level’ is the password level that you want to change.

In the line ‘Old Password’ enter the current password.

In the line ‘New Password’ enter the new password.

Touch the Green Tick to store the changed value.

9.3 Activate.

If you touch the 'Activate button' in the 'Password' menu the following screen is displayed.



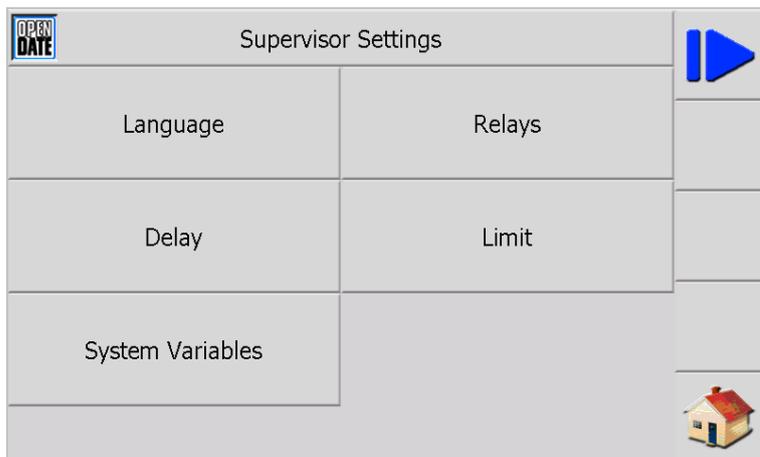
Once you touch one of the clear background display window, the window opens for entering numbers. You can now enter the desired value.

You can also use the blue arrows in addition to the white input fields to change the password level.

The input value "0" corresponds to "no password". This means that any adjustments or changes can be performed without a password.

10.0 Supervisor Menu.

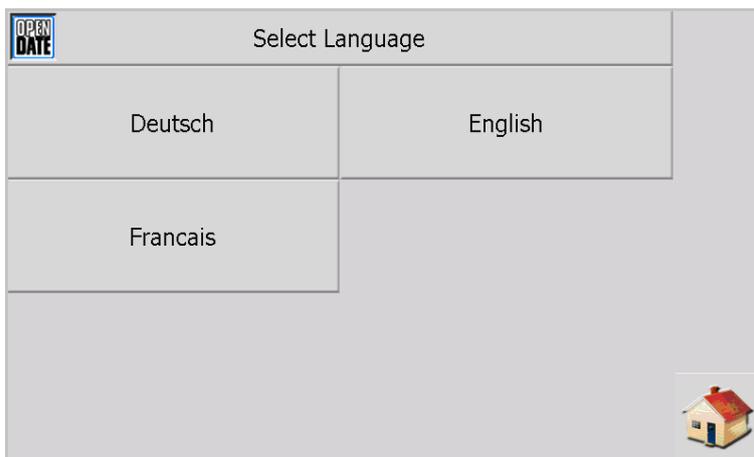
If you touch the 'Supervisor' button in the main menu (see page 16) the following screen is displayed.



The functions of the sub-menus are described below.

10.1 Language.

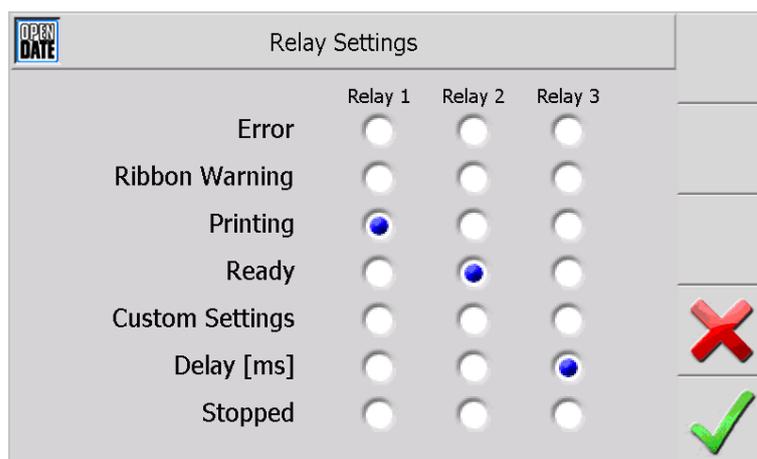
Press the 'Language' button, the following screen is displayed.



Press the appropriate language button to select.

10.2 Relays.

Press the 'Relay' button, the following screen is displayed.



In the Power Supply there are 3 relays. The function of the individual relays can be set.

10.2.1 Relay set.

The relay settings are displayed in 3 columns "Relay 1, Relay 2 and Relay 3. The blue dot in the white boxes indicate the current setting for the relay. To change the setting, touch the desired field. The blue dot will then appear in the selected field.

10.2.2 Functions of the Relay.

Error: An error is present at the printing system. This is indicated by the red optical and status message in the Status Window.

Warning foil: This relay switches on when the preset length is reached foil warning. To adjust the preset length (see page 19)

Print: The relay is switched on during the printing process.

Ready to print: The relay switches when the printer is 'Ready to Print'.

User Preference: Not currently Available

Delay (ms): The print signal is delayed by a number of milliseconds. To adjust the delay time (see page 27)

Stopped: The relay switches when the printer is off line or fault is detected.

10.3 Delay.

If you touch the 'Delay' button in the "Supervisor" menu the following screen is displayed.

Delay

Print Delay [ms]: 0

Inhibit [ms]: 0

Once you click on one of the clear background display window, the window opens for entering numbers. You can now enter the desired value.

You can also use the arrows to use in addition to the white input fields to change the values.

In the line 'Print Delay (ms)' a value can be entered in milliseconds. This is the time delay before the printer prints, after the print signal is received.

In the line 'Inhibit (ms)' value is entered, after how many ms after the start of printing, the printer turns off the relay. When printing starts, the relay switches.

10.4 Limit.

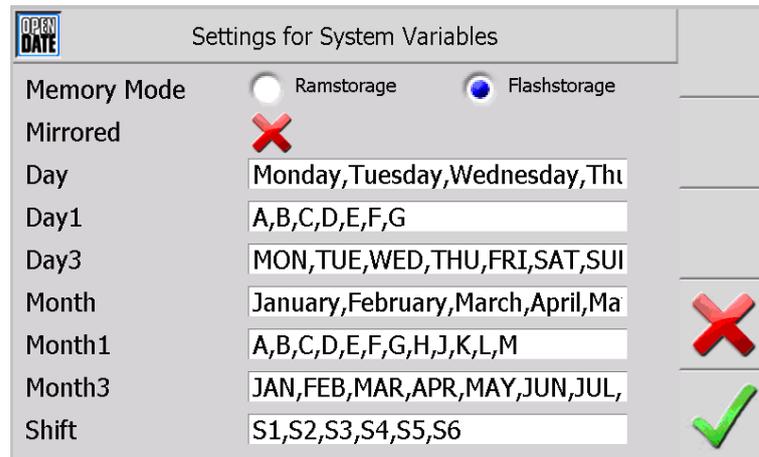
This input window is open only to qualified Open Date personnel.

Please do not change any values. (This can lead to serious system changes or defect the printer)

Min.	Max.	Min.	Max.	Max.	
Print Speed	0	Ribbon Length	0	Print Delay	0
Burn Time	0	Ribbon Warning	0	Inhibit Delay	0
Pressure	0	Ribbon Offset	0	Print Repeat	0
Printhead Height	0,00	Ribbon Sort	0		
Print Offset	0	Home Offset	0		

10.5 System Variables.

If you touch the 'System Variables' button in the 'Supervisor menu, the following screen is displayed.



Setting	Value	Status
Memory Mode	Ramstorage / Flashstorage	Flashstorage selected
Mirrored		Red X
Day	Monday, Tuesday, Wednesday, Thu	
Day1	A, B, C, D, E, F, G	
Day3	MON, TUE, WED, THU, FRI, SAT, SUI	
Month	January, February, March, April, Ma	Red X
Month1	A, B, C, D, E, F, G, H, J, K, L, M	Red X
Month3	JAN, FEB, MAR, APR, MAY, JUN, JUL	
Shift	S1, S2, S3, S4, S5, S6	Green Checkmark

The storage mode must be set to 'Flash Memory' (Blue Point in flash memory).

If this is not the case, touch the white box next to flash memory switch. The Blue Point is now in flash memory.

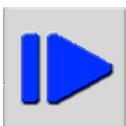
'Mirrored' allows you to flip the format to be printed. **This setting will apply to all formats.**

To activate the mirroring function, touch the Red Cross next to 'Mirrored'. It appears now a Green Tick.

In lines (day, month and shift), you can change the contents of the variable. A description of the variables can be found in Chapter 13.0

Once you click on one of the clear background display window, the window opens for entering text. You can now enter the desired text.

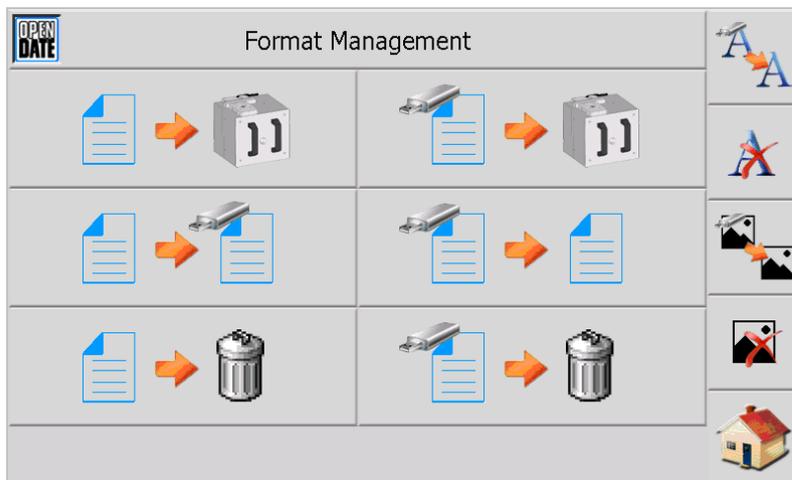
10.6 Pause Printing



If you touch the 'Pause Printing Button' in the 'Supervisor' menu, the printer will pause printing. Print signals are therefore not processed. However, the printer is set to 'Ready'.

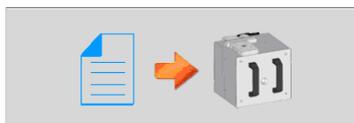
11.0 Format Management Menu.

If you touch the 'administration format' button in the main menu, the following screen is displayed.



Some functions will require a USB flash drive to be used as an additional memory. A detailed description of how to use the USB flash drive can be found on page 56

When you press one of these buttons will appear in a new window. In this you can press the appropriate file by selecting the appropriate button.



View Formats Stored in Editor Button

With this button you can open formats that are stored in the printer memory.



View Formats Stored on USB Flash Drive Button

With this button you can open formats that are stored on a USB flash drive.



Editor to USB Flash Drive Button

With this button you can load styles from the printer to a USB flash drive.



Formats from USB Flash Drive to Editor Button

With this button you can load from a USB flash drive formats to the printer memory.



Formats Stored in Editor Delete Button

With this button you can delete formats from the printer memory.



Delete Formats from USB Flash Drive Button

With this button you can delete formats from a USB flash drive.



Fonts to Editor from USB Flash Drive Button

Click this button to download fonts to the printer from a USB flash drive.



Delete Fonts from Editor Button

With this button you can delete fonts from the printer memory.



Graphics from USB Flash Drive to Editor Button

With this button you can load graphics from a USB flash drive into the printer's memory.

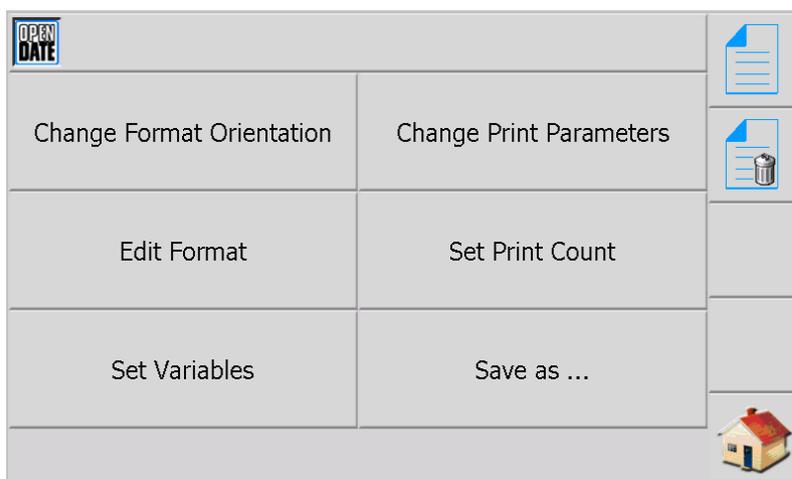


Delete Graphics from Editor Button

With this button you can delete images from the printer memory.

12.0 Edit Current Format Menu.

If you touch the 'Edit Current Format' button the following screen is displayed.



The functions of the sub-menus are described below.

12.1 Create New Format.



Touch the 'Create New Button', to create a new format. Once you touch the button a window opens for text entry. You can now enter the desired name of the format. Then you can edit the format and set the print parameters. (See Page 35)

12.2 Current Format Delete.

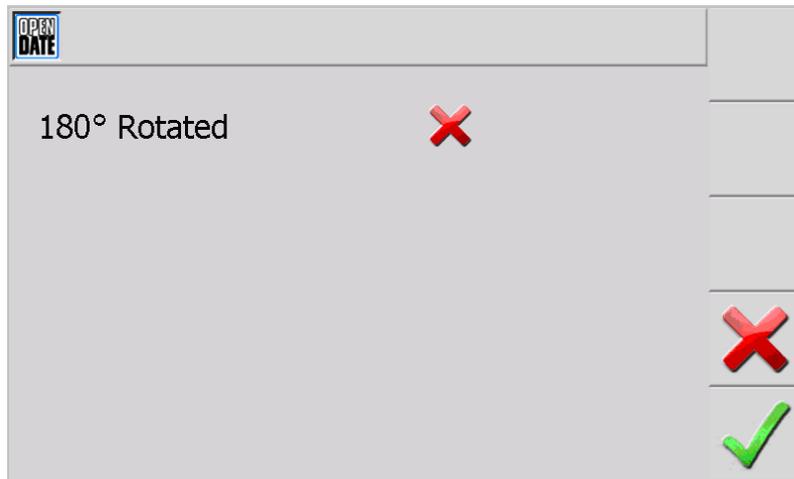


Touch the 'Delete Button' to delete the current format. Once you touch the button a window opens where you are asked to confirm if you wish to delete the selected format. If you confirm this with the Green Tick, the format will be deleted from Editor memory.

The format remains held in memory and is displayed as the current format until another format is opened. Only then is the format erased from memory.

12.3 Change Format Orientation.

If you touch the 'Change Format Orientation Button' the following screen is displayed.



With the '180° rotation window', you can rotate the current format through 180°. This setting applies for all formats.

To activate the 180° rotation feature, touch the Red Cross. It now appears as a Green Tick.

12.4 Change Print Parameters.

If you touch the 'Change Print Parameters' button in the 'current format edit' menu the following screen is displayed.

Print Speed:	0	◀ ▶	
<small>Range 50-400 [mm/sec]</small>			
Burn Time:	0	◀ ▶	
<small>Range 50-425 [µs]</small>			
Pressure:	20	◀ ▶	
<small>Range 20-35 [N]</small>			
Home Offset [mm]:	3	◀ ▶	✖
Print Offset [mm]:	3		
Printhead Height [mm]:	0,98	◀ ▶	✔

The values are applied only to the current format.

Once you touch one of the clear background display windows, the window opens for entering numbers. You can now enter the desired value. You can also use the arrows to use in addition to the white input fields to change the values.

The values to be set (printing speed, burn time and pressure) depend on the thermal transfer ribbon, the format length, format, content and substrate to be printed on.

In the line 'Print Speed', the value is entered equals how the print head moves over the substrate. Standard values: 100 – 250

In the line 'Burn Time' of the value is entered equals how long the print head will heated for. Standard values: 150 – 425

In the line 'Pressure' the value is entered, as the amount of pressure applied to the print head. Standard values: 20 – 24

In the line 'Home Offset (mm)' the value entered equals how far the print head should be removed from the absolute zero. Standard values: 3

In the line 'Print Offset' you cannot change the value.

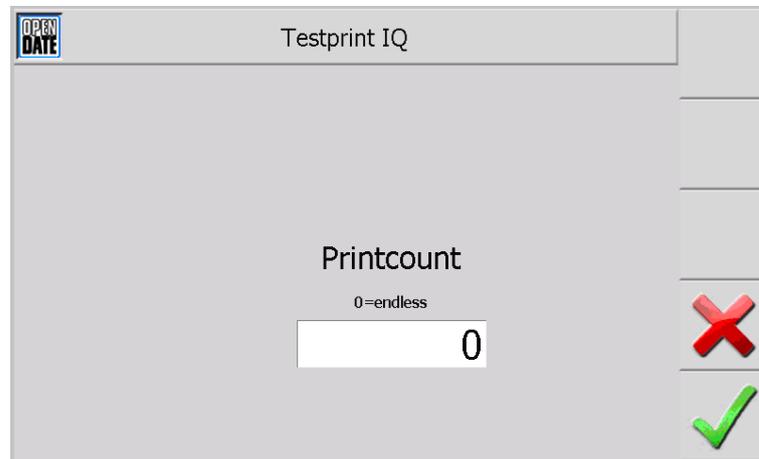
In the line 'Printhead Height', the value is entered equals the distance between the print head and material to be printed on while in waiting mode (printer waiting for print signal). Standard values: 1 – 3

12.5 Edit Format.

See Chapter 13.0 (Page 36)

12.6 Set Print Count.

If you touch the 'Set Print Count Button' in the 'Current Format Edit' menu. The following screen is displayed



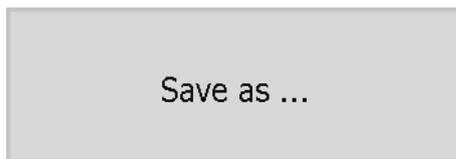
Once you click on one of the clear background display window, the window opens for entering numbers. You can now enter a specific number of prints.

If the value 0 is entered the printer will print indefinitely.

12.7 Set Variables.

See Chapter 13.4

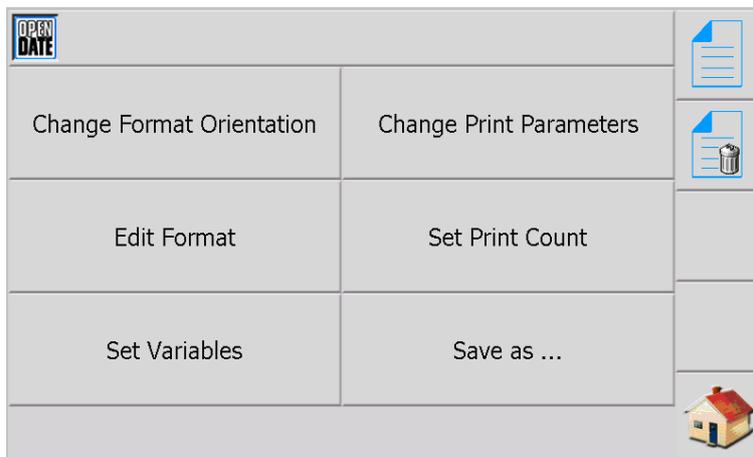
12.8 Save As.



See Chapter 13.8

13.0 Create New Format.

To create a new Format touch the 'Edit Current Format' button in the 'Settings' menu the following screen is displayed.



Touch the 'Create New Button'

The following screen is displayed.

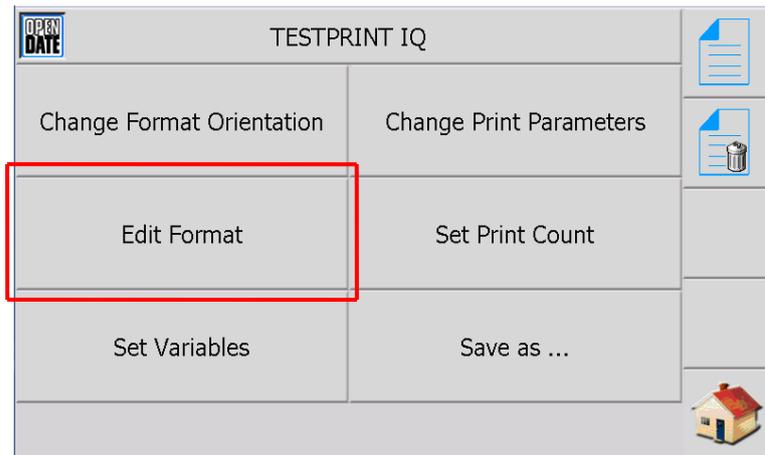


Type the desired name of the Format.



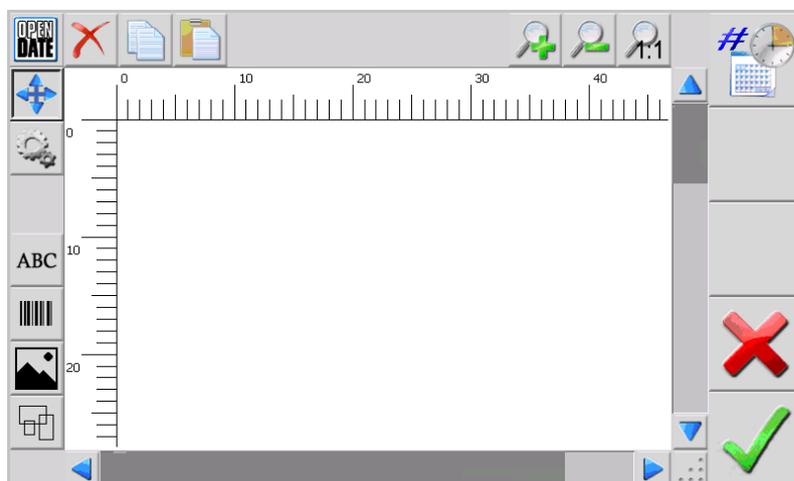
Touch the 'Enter Button'

The following screen is displayed.



Touch the 'Edit Format Button'

A blank Format Image Window is displayed.



The Format can now be created.
The operation of the Editor and its functions is described below.

13.1 Construction of the Editor

On the left side and in the upper area there are several buttons. The function of the buttons are described in more detail in chapter 13.2

In the middle of the screen is the display to create the format. The white area is the possible printing area of the system (Format Plane). The rulers show the print size in mm. (Note Maximum print area is 53mm x 100mm)

Format components, which are located outside the Format Plane, will not be printed.

The two bars (right and bottom) with Blue Arrows at each end can be used to view the format outside of the visible screen area by touching the Blue Arrow to move the screen in the desired direction.

13.1.1 Function of the Buttons



Arrow Button

When touched the selected format component can be manually moved (dragged). After touching the button touch the item to be moved is displayed as a blue frame. While touching the item, drag it into the desired position



Modify Button

With this button, the selected component within the format can be modified. (eg, content, font size, font, bar code etc)



Text Button

With this button new text can be created. (See page 39)



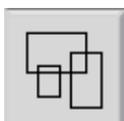
Barcode Button

With this button, a new barcode can be created. (See page 40)



Graphic Button

With this button graphics can be added. (See page 42)



Framework Button

With this button a new framework can be created. (See page 43)



Delete Button

With this button, the selected format component will be deleted. This is again checked for safety.



Copy Button

With this button, the selected format can be copied.



Paste Button

With this button, the copied format can be pasted.



Zoom In Button

With this button the format size will be enlarged.



Zoom Out Button

With this button, the format size will be reduced



Original Size Button

With this button the format will be displayed in its native size (one to one)



Variable Button

This button allows you to add new variables and view any existing variables in the format. (See Chapter 13.5)

13.2 Creating the Format

The operation of the Editor's function to create a Format is described below.

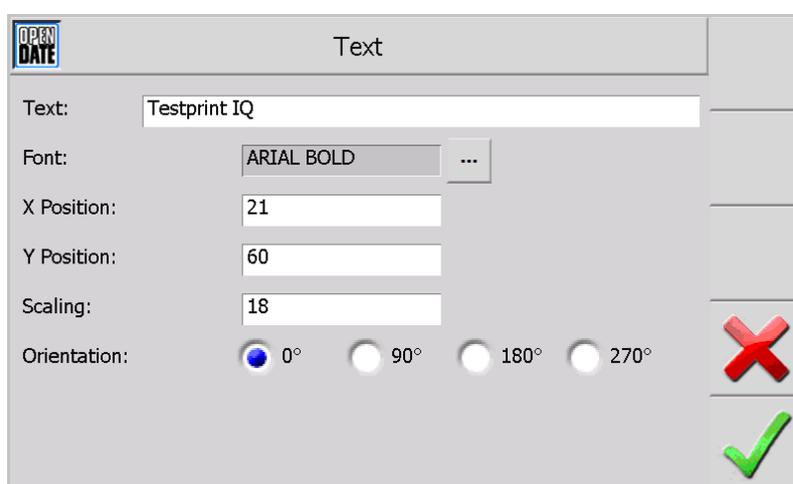
13.2.1 Creating Text

To add new text, touch the 'Text Button'.



While still touching the button drag it into the format plane to the desired position.

The following screen is now displayed. In this window, the details for the desired text can now be entered.



Once you click on one of the clear background display window, the window opens for entering text or numeric input. You can now enter the desired value.

In the line 'text' you can type the desired text and insert variables.

In the line 'Font' the font being used is displayed. By pressing the select button you will open a new window. In this window, a new font to be selected.

In the line 'X position' and 'Y Position', the value can be entered for positioning of the text in the format plane exactly. Please note the values are in pixels (one pixel = 1/12 of a millimetre or 1/300 of an inch). The zero point of the print area is the top left corner of the Format plane.

In the line 'scaling' the font size can be entered.

In the line 'orientation', the desired orientation of the text can be entered. The blue dot in the white boxes indicate the current orientation of the text. Touch the white field to select the orientation required. The blue dot will appear in the selected field.

13.2.3 Creating a Barcode

To add a Barcode, touch the button 'Barcode Button'.



While still touching the button drag it into the format plane to the desired position.

The following screen is now displayed. In this window, the details for the type, text, size and position can now be created.

A screenshot of a software interface for configuring a barcode. The window has a title bar with the 'OPEN DATE' logo on the left and the word 'Barcode' in the center. Below the title bar, there are several rows of controls. The first row is 'Text:' with a text input field containing '1234567890123'. The second row has 'X Position:' with an input field containing '107' and 'Height:' with an input field containing '50'. The third row has 'Y Position:' with an input field containing '638' and 'Bar width' with an input field containing '4'. The fourth row is 'Orientation:' with four radio buttons labeled '0°', '90°', '180°', and '270°'; the '0°' button is selected with a blue dot. The fifth row is 'Ratio:' with three radio buttons labeled '3:1', '2.5:1', and '2:1'; the '3:1' button is selected with a blue dot. The sixth row has 'Human readable:' with a green checkmark icon and 'Checksum:' with a green checkmark icon. To the right of these two icons is a red 'X' icon. The seventh row is 'Barcode:' with a dropdown menu showing '02 EAN 128' and a three-dot menu icon. At the bottom right of the dialog is a large green checkmark icon.

Once you click on one of the clear background display window, the window opens for entering text or numeric input. You can now enter the desired value.

In the line 'text' you can enter the desired content of bar codes or variable insert.

In the line 'X position' and 'Y Position', the value can be entered for positioning of the barcode in the format plane exactly. Please note the values are in pixels (one pixel = 1/12 of a millimetre or 1/300 of an inch). The zero point of the print area is the top left corner of the Format plane.

In the line "height", the desired height of the bar code can be entered. The values are in pixels.

In the line "line width", the desired line width of the bar code can be entered. The details are in points.

In the line "orientation", the desired orientation of the bar code can be entered. The blue dot in the white boxes indicate the current orientation of the barcode. Touch the white field to select the orientation required. The blue dot will appear in the selected field.

In the line "ratio", the desired ratio of white and black lines are set in the bar code. The blue dot in the white boxes show the current ratio of bar codes. Touch the white field to select the orientation required. The blue dot will appear in the selected field.

To print human readable text, touch the red cross next to "readability". It now appears as a Green Tick.

To print a check digit, touch the red cross next to “checksum”. It appears now a Green Tick.

In the line “barcode” the currently selected bar code is displayed. By pressing the select button you will open a new window. In this window a new barcode can be selected.

If you selected a Data Matrix Code, input window appears as shown above.

If you want to print Data Matrix Code mirrored, you must press the red cross next to “Mirrored”. It appears now a Green Tick.

For the Data Matrix Code to calculate its size automatically, you must press the Red Cross next to ‘Auto Size’. It appears now a Green Tick. If you want to choose the Code size manually, you can enter it on the fields ‘column size’ and ‘line size’

The line “line width” has no meaning in the Data Matrix Code.

In the line “point multipliers”, the size of the individual points of the data matrix bar codes are changed.

In the line ‘character set’ the currently selected font will be displayed. By pressing the select button you will open a new window. In this window, a new character set can be selected.

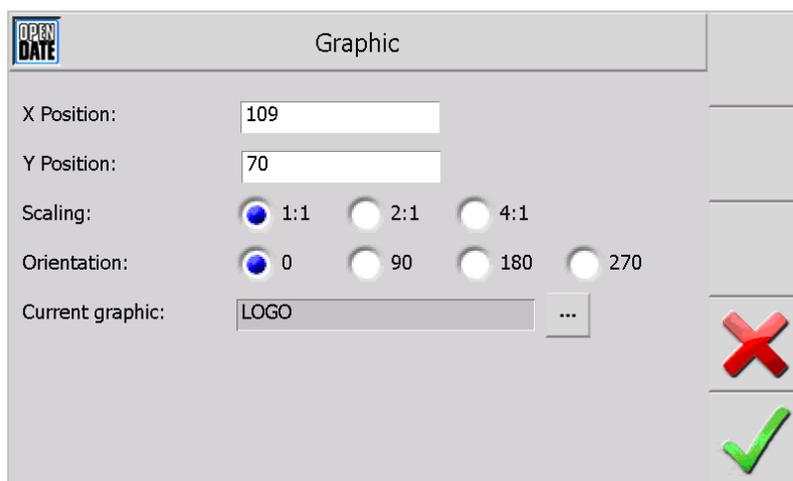
13.2.4 Adding Graphics

To add a Graphic, touch the 'Graphic Button'.



While still touching the button drag it into the format plane to the desired position.

The following screen is now displayed. In this window, the text for the size and position can now be created.



Once you click on one of the clear background display window, the window opens for entering numbers. You can now enter the desired value.

In the line 'X position' and 'Y Position', the value can be entered for positioning of the graphic in the pressure range exactly. Please note the figures are for points and not millimetres. The zero point of the print area is the top left corner of the Format plane.

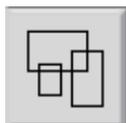
In the line 'scaling', the desired size of the image can be adjusted. The blue dot in the white boxes indicates the current scale of the graph. Touch the white field to select the scale required. The blue dot will appear in the selected field.

In the line "orientation", the desired orientation of the image can be entered. The blue dot in the white boxes indicate the current orientation of the graph. Touch the white field to select the orientation required. The blue dot will appear in the selected field.

In the line "New Graphic" a new image can be selected from either the Editor's internal memory or an inserted USB flash drive.

13.2.5 Create a Box or Line

To create a box, touch the 'Create Framework Button'.



While still touching the button drag it into the format plane to the desired position.

The following screen is now displayed. In this window, the value for the size and position can now be created.

OPEN DATE		Box	
X Position:	<input type="text" value="247"/>		
Y Position:	<input type="text" value="142"/>		
Horizontal Length:	<input type="text" value="100"/>		
Vertical Width:	<input type="text" value="100"/>		
Horiz Line Thickness:	<input type="text" value="2"/>		
Vert Line Thickness:	<input type="text" value="2"/>		

Once you click on one of the clear background display window, the window opens for entering numbers. You can now enter the desired value.

In the line 'X position' and 'Y Position', the value can be entered to position the text exactly in the printing area. Please note the figures are points and not millimetres. The zero point of the print area is the top left corner of the Format plane.

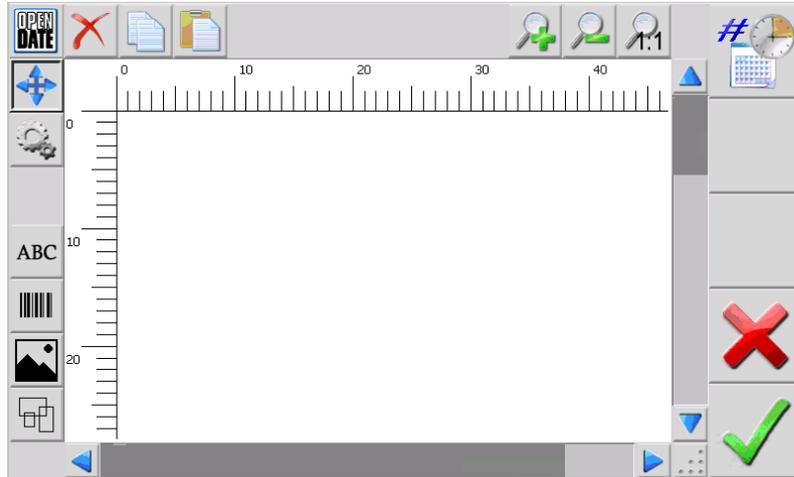
In the lines 'Horizontal Length' and 'Vertical Width', the height and the width of the frame can be entered. The figures are points.

In the line 'Horiz Line Thickness' and 'Vert Line Thickness', the line width of the horizontal and vertical lines can be entered. The figures are for points.

13.3 Variable Create / Modify

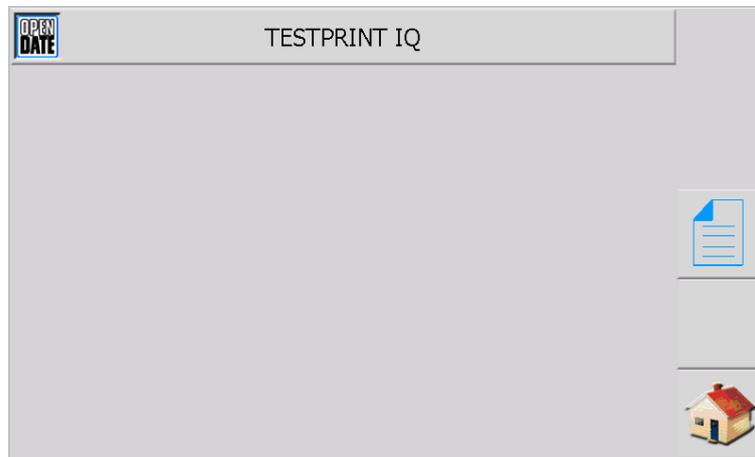
To create Variable information, touch the 'Edit Format Button' in the 'Edit Current Format' Menu.

The following screen is displayed. (Note this example is in the case of a new Format, in the case of editing an existing format the Format Image Window would be populated)



Touch the Variable Button

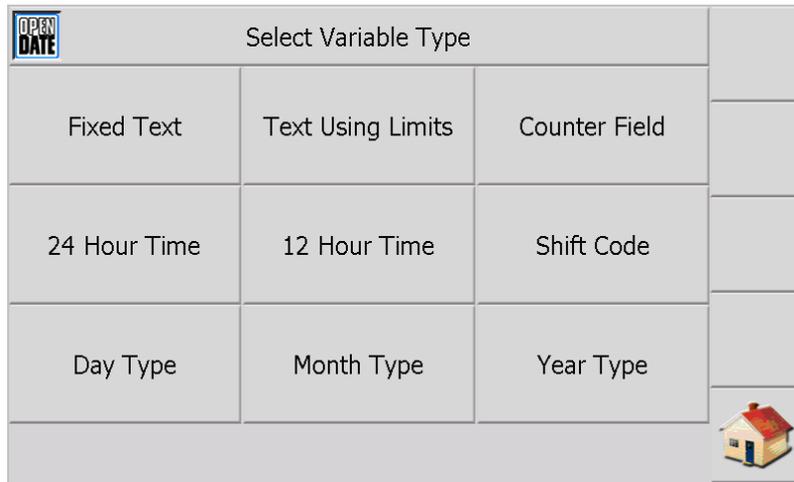
The following screen is displayed



You can create new variables in this field. To do this, touch the Create New Button.

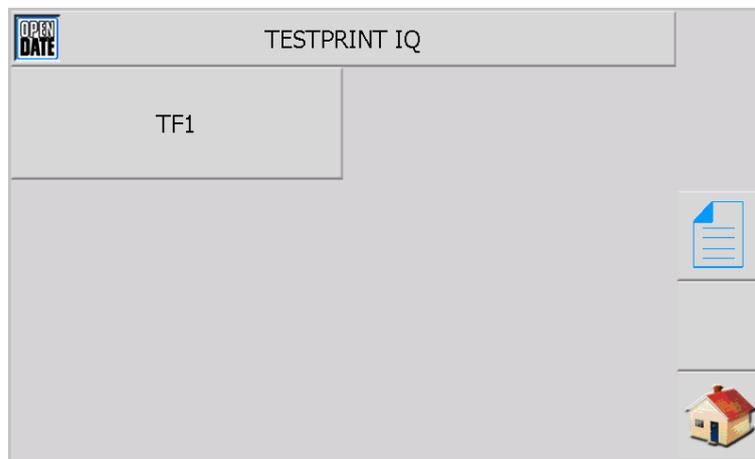


The following screen is displayed



This window can now be selected for the corresponding variable type. The functions of the variables are described below in Chapters 13.3.1 to 13.3.6

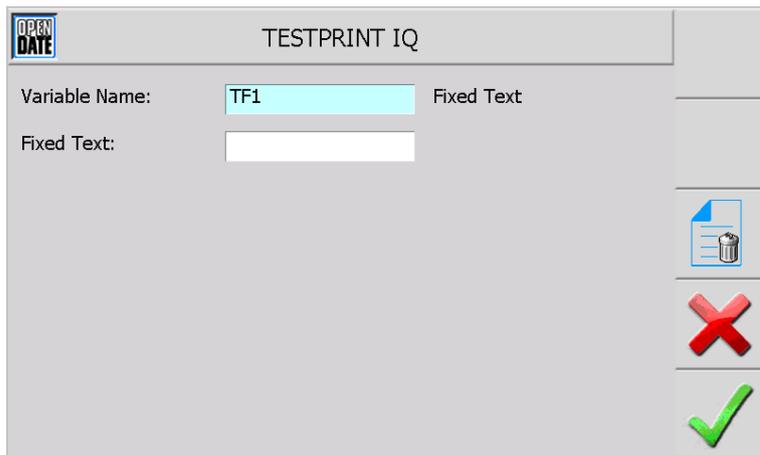
Once a Variable has been created the following screen will be displayed.



In this example a Fixed Text Variable has been created. A description for this is described in Chapter 13.3.1

13.3.1 Fixed Text

If you touch the 'Fixed Text Button' in the 'Variables' menu the following screen is displayed.



Once you touch on one of the clear background display window, the window opens for entering text. You can now enter the desired text.

In the line 'Variable Name' change you can enter the desired name of the variable or.

In the line 'Fix Text' you can enter or modify the required content of the variable.

*To save text entered to the Variable touch the Green Tick. Touching the Red Cross closes the window without saving the changes.

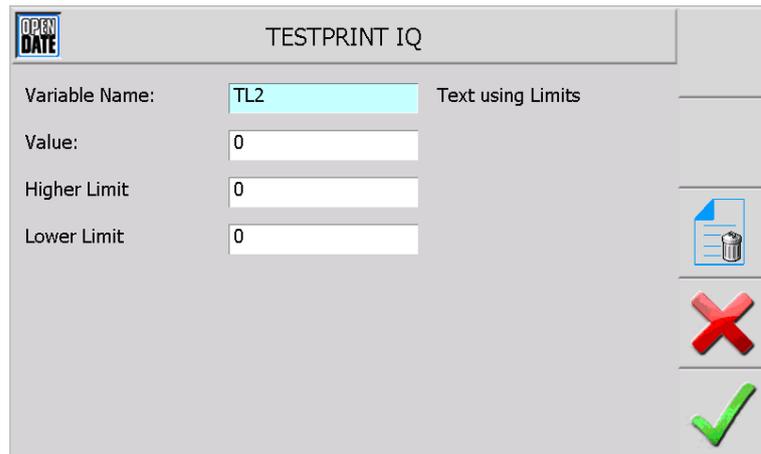
*Touch the Delete Button to delete the Variable completely.



*This is the procedure for all saving and deleting all Variables described in Chapters 13.3.1 to 13.3.6

13.3.2 Text using Limits

If you touch the 'Text Using Limits Button' in the 'Variables' menu, the following screen is displayed.



The screenshot shows a software interface titled 'TESTPRINT IQ'. In the top left corner, there is a logo with the text 'OPEN DATE'. The main area contains four input fields: 'Variable Name:' with the value 'TL2', 'Value:' with '0', 'Higher Limit' with '0', and 'Lower Limit' with '0'. To the right of these fields is the text 'Text using Limits'. On the right side of the screen, there are three vertically stacked icons: a blue document icon with a trash can, a red 'X' mark, and a green checkmark.

Once you click on one of the clear background display window, the window opens for entering text or numeric input. You can now enter the desired value.

In the line 'Variable Name' you can enter the desired name of the variable or.

In the line 'Value' you can enter or modify the value to be printed or.

In the lines 'Upper Limit' and 'Lower Limit the maximum and minimum values of the input variables can be entered.

13.3.3 Counter Field

If you touch the 'Counter Field' in the 'Variables' menu the following screen is displayed.

The screenshot shows a configuration window titled 'TESTPRINT IQ'. It contains the following fields and controls:

- Variable Name: CO3 (highlighted in cyan) Counter Field
- Current Value: 1
- Counter Start Number: 1
- Increment: 1
- Repeating Pallet Count: 1
- Rollover Number: 1
- No. of Characters: 3
- Print Leading Zeros:
- Justify Right:

On the right side of the screen, there is a trash icon, a red 'X' icon, and a green checkmark icon.

Once you touch one of the clear background display windows, the window opens for entering text or numeric input. You can now enter the desired value.

In the line 'Variable Name' change you can enter the desired name of the variable or.

In the line 'Current Value' you can enter or modify the desired current counter value of the variable or.

In the line 'Counter Start Number' you can enter the desired starting value of the counter or.

In the line 'Increment' you can enter the value to continue to count how many jobs the printer does.

In the line 'Repeating Pallet Count' you can enter the value according to how many prints the printer will print, before repeating the print count.

In the line 'Rollover Number' you can enter the value when the printer starts to repeat its count.

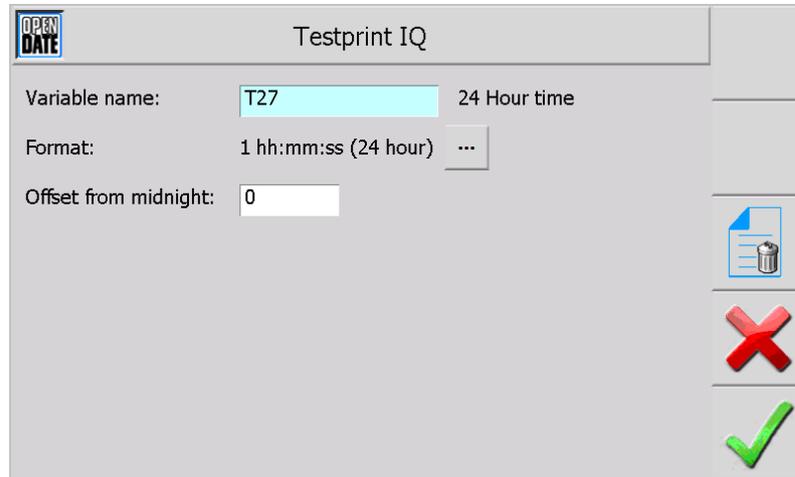
In the line 'No. Of Characters' you can enter the desired number of digits required.

By default Print Leading Zero's and Justify Right are selected. To De-select touch the smaller Green Tick (to the right of the annotation) It will turn into a Red Cross and turn off the function.

13.3.4 Time

For time you have two options available. Firstly, a 24-hour version or a 12 hour AM and PM version.

If you touch the '24 Hours Button' in the 'Variables' menu, the following screen is displayed.



The screenshot shows a configuration window titled 'Testprint IQ' with an 'OPEN DATE' icon in the top left. The window contains three input fields: 'Variable name:' with the value 'T27', 'Format:' with the value '1 hh:mm:ss (24 hour)', and 'Offset from midnight:' with the value '0'. To the right of the 'Format' field is a three-dot menu button. On the right side of the window, there are three vertically stacked buttons: a document icon with a trash can, a red 'X' button, and a green checkmark button.

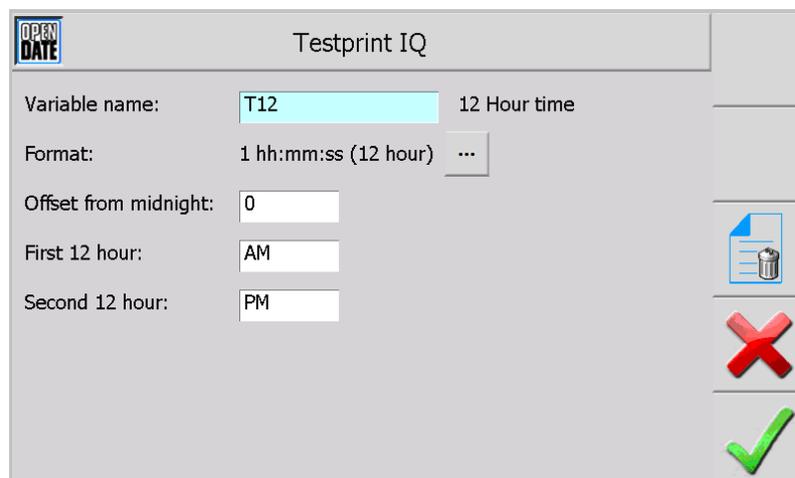
Once you click on one of the clear background display window, the window opens for entering text or numeric input. You can now enter the desired value.

In the line 'Variable Name' you can enter the desired name of the variable or.

In the line 'Format' the currently selected format is displayed. Touching the select button will open a new window. In this window, a new image will be selected.

In the line 'Offset from Midnight' a delay can be entered to adjust the start of the day.

If you touch the '24 Hours Button' in the 'Variables' menu, the following screen is displayed



The screenshot shows a configuration window titled 'Testprint IQ' with an 'OPEN DATE' icon in the top left. The window contains five input fields: 'Variable name:' with the value 'T12', 'Format:' with the value '1 hh:mm:ss (12 hour)', 'Offset from midnight:' with the value '0', 'First 12 hour:' with the value 'AM', and 'Second 12 hour:' with the value 'PM'. To the right of the 'Format' field is a three-dot menu button. On the right side of the window, there are three vertically stacked buttons: a document icon with a trash can, a red 'X' button, and a green checkmark button.

Once you click on one of the clear background display window, the window opens for entering text or numeric input. You can now enter the desired value.

In the line 'Variable Name' you can enter the desired name of the variable or.

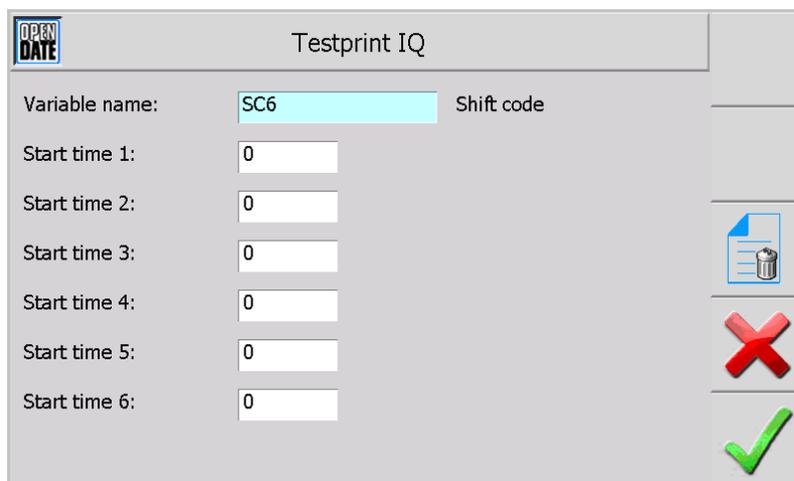
In the line 'Format' the currently selected format is displayed. Touch the 'Select Button' to open a new window. This window can be selected.

In the line 'Offset from Midnight' a delay can be entered to adjust the start of the day.

In the line 'First 12 Hours' and 'Second 12 Hours', the desired abbreviations for morning or afternoon to be entered.

13.3.5 Shift Code

If you touch the 'Code Layer Button' in the 'Variables' menu the following screen is displayed.



The screenshot shows a mobile application interface titled 'Testprint IQ'. At the top left is an 'OPEN DATE' button. The main form has the following fields:

- Variable name: SC6 (highlighted in cyan) Shift code
- Start time 1: 0
- Start time 2: 0
- Start time 3: 0
- Start time 4: 0
- Start time 5: 0
- Start time 6: 0

On the right side of the form, there are three icons: a document with a trash can (clear), a red 'X' (cancel), and a green checkmark (confirm).

Once you click on one of the clear background display window, the window opens for entering text or numeric input. You can now enter the desired value.

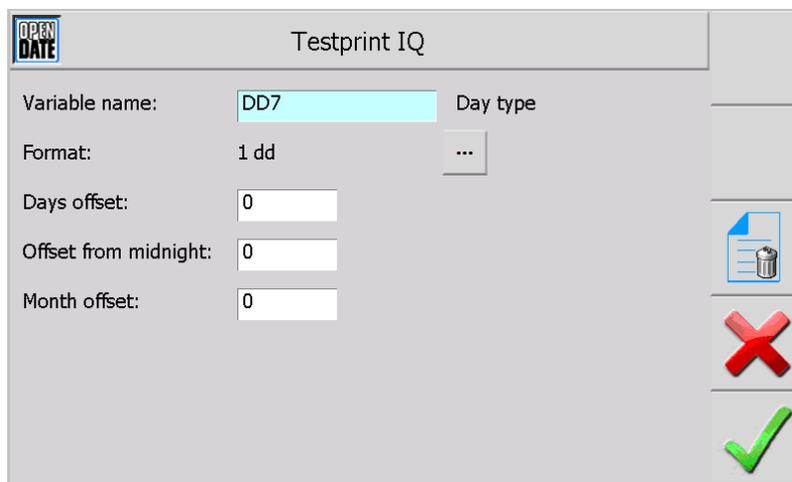
In the line 'Variable Name' you can enter the desired name of the variable or.

In the line 'Start 1' to 'Start 2', the start times of the individual layers can be entered. The output value for layer 1 to layer 6 can be adjusted in the System Variables.

13.3.6 Date

To create a date you need more than one variable. One for day, month and year. These can be pasted into a text connected with one another.

If you touch the 'Day Type Button' in the 'Variables menu the following screen is displayed.



The screenshot shows a configuration window titled 'Testprint IQ'. On the left, there is a vertical button labeled 'OPEN DATE'. The main area contains the following fields and controls:

- Variable name:** A text input field containing 'DD7'.
- Day type:** A dropdown menu currently showing 'Day type'.
- Format:** A text input field containing '1 dd' and a small square button with three dots '...' to its right.
- Days offset:** A numeric input field containing '0'.
- Offset from midnight:** A numeric input field containing '0'.
- Month offset:** A numeric input field containing '0'.

On the right side of the form, there are three vertically stacked icons: a blue document icon with a trash can, a red 'X' mark, and a green checkmark.

Once you click on one of the clear background display window, the window opens for entering text or numeric input. You can now enter the desired value.

In the line 'Variable Name' change you can enter the desired name of the variable or;

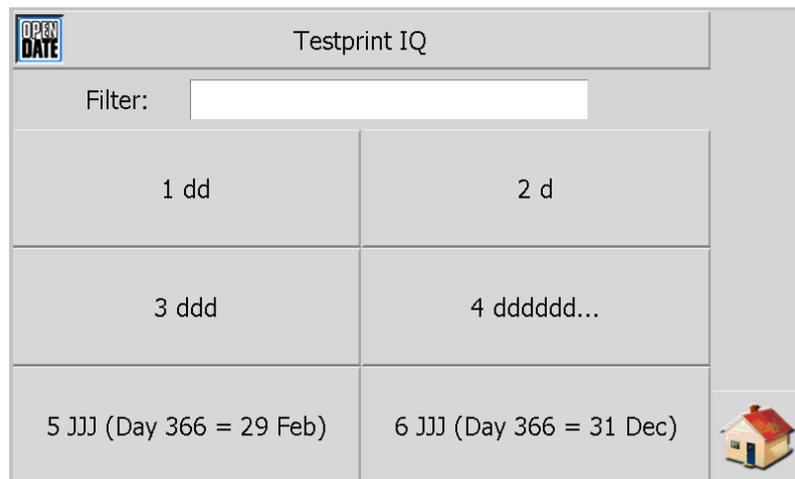
In the line 'Format' the currently selected format is displayed. By touching the select button a new window will open. In this window you can select a new format.

In the row 'Days Offset' you can enter a value of how many days are ahead of the variable. **However, this must also be entered in any one month and year variable being used.**

In the line 'Offset from Midnight' a delay can be adjusted with the change to the start of the day. **However, this must also be entered in any one month and year variable being used.**

In the line 'Month Offset' a value can be entered of how many months ahead will include the variable. **However, this must also be entered in any one month and year variable being used.**

If you touch the select button in the “day type” menu, the following screen is displayed.



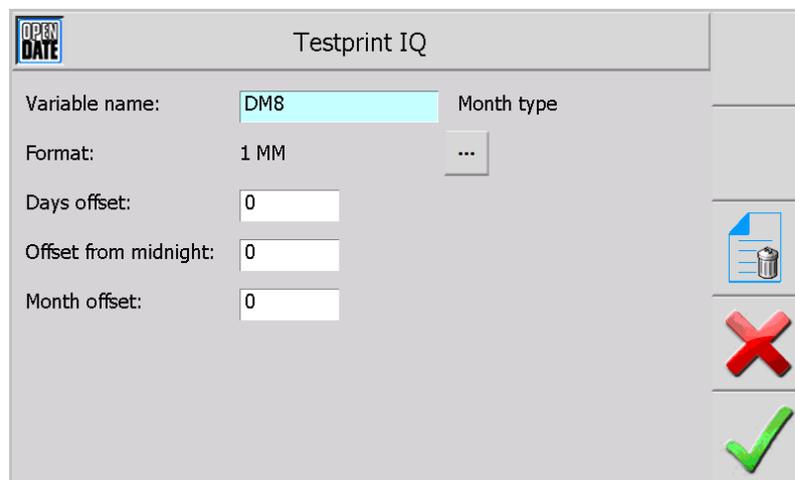
With the format “dd” the current day is indicated in the month (01 – 31).

The output value of “d”, “ddd” and “dddddd ...” can be set in the system variables (page ...).

With the format “YYYY (Day 366 = 29 Feb)” is specified in the current day.

With the format “YYYY (Day 366 = Dec 31)” the current day is indicated.

If you touch the ‘Month Type Button’ pressed in the “Variables” menu the following screen is displayed.



Once you click on one of the clear background display window, the window opens for entering text or numeric input. You can now enter the desired value. In the line “variable name” change you can enter the desired name of the variable or.

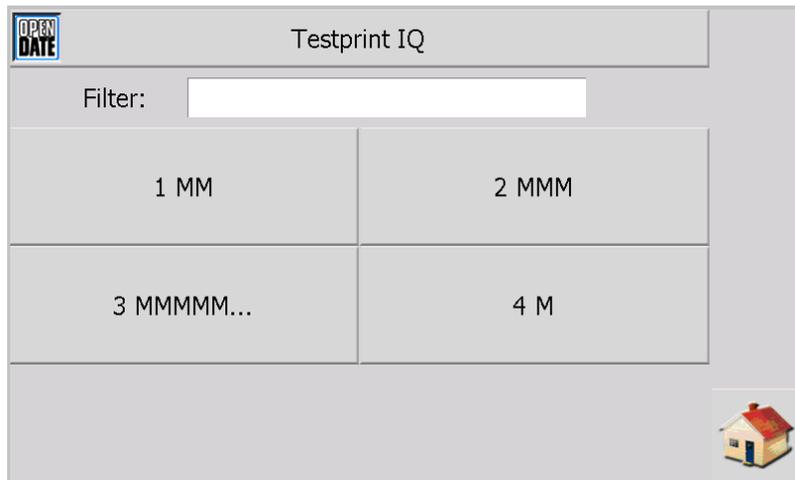
In the line “format” the currently selected format is displayed. By pressing the select button will open a new window. In this window you can select a new format.

In the row “Days offset” can be entered value, how many days are ahead of the variable. However, this must also be entered in any one day, and year variables used.

In the line “offset from midnight,” a delay can be adjusted with the change to the start of the day. However, this must also be entered in any one day, and year variables used.

In the line “month offset” value can be entered, how many months ahead will include the variable. **However, this must also be entered in any one day, and year variables used.**

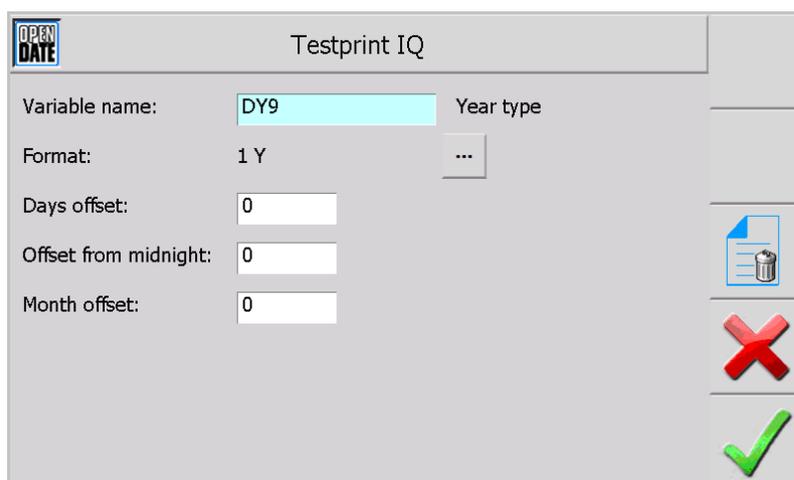
If you touch the select button in the “Month Type” menu, the following screen is displayed.



With the format “MM” in the current month is specified as a number (01 – 12).

The output value for the “MMM”, “MMMMM ...” and “M” can be set in the system variables (page ...).

If you touch the ‘Year Type Button’ in the “Variables” menu the following screen is displayed.



Once you click on one of the clear background display window, the window opens for entering text or numeric input. You can now enter the desired value.

In the line “variable name” change you can enter the desired name of the variable or.

In the line “format” the currently selected format is displayed. By pressing the select button will open a new window. In this window you can select a new format.

In the row “Days offset” can be entered value, how many days are ahead of the variable. **However, this must also be entered in any one day, and year variables used.**

In the line “offset from midnight,” a delay can be adjusted with the change to the start of the day. **However, this must also be entered in any one day, and year variables used.**

In the line “month offset” value can be entered, how many months ahead will include the variable. **However, this must also be entered in any one day, and year variables used.**

If you touch the select button in the “Annual type” menu, the following input window is displayed

Testprint IQ	
Filter:	<input type="text"/>
1 Y	2 YY
3 YYYY	4 WW (Week number)

With the format “Y” is the last digit of the year is specified. (2 for 2012)

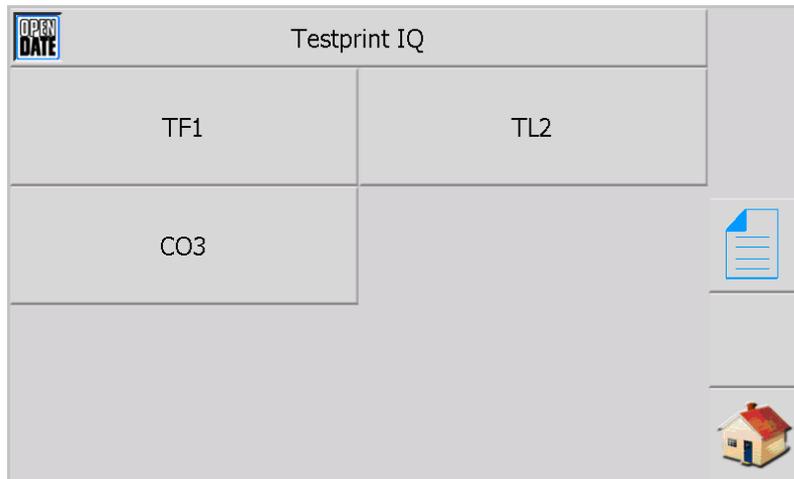
With the format “YY” the last two digit of the year are given. (12 2012)

With the format “YYYY” the whole year is given. (2012 2012)

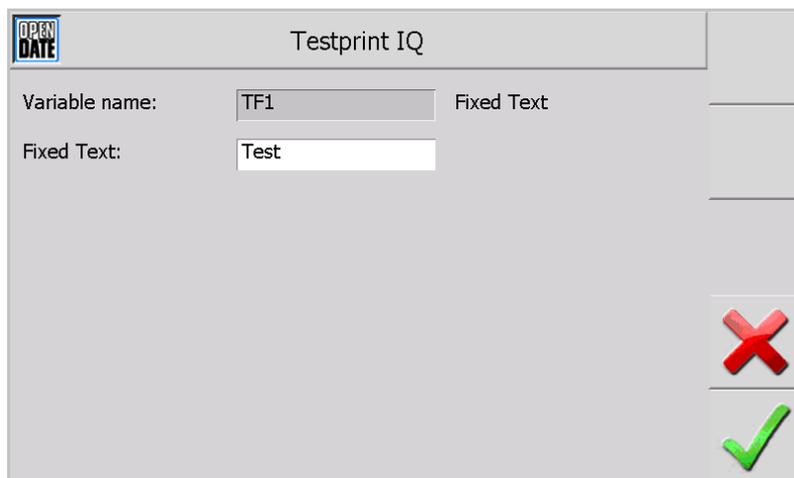
With the format “WW (Week number)” is the calendar week of the year indicated.

13.4 Set Variables

If you touch the 'Set Variable Button' in the 'Edit Current Format' menu button the following screen is displayed.



In this menu you can view the contents of any previously created variable (fixed text, text with borders and counter) change. Other values cannot be changed.



A variable 'Fixed Text can only edit the text to be changed.

Once you press the white display window, the window opens for entering text. You can now enter the desired value.

A variable 'text boundaries' can only change the value.

OPEN DATE		Testprint IQ	
Variable name:	TL2	Text using Limits	
Value:	200		
Higher Limit:	500		
Lower limit:	1		
			
			
			

Once you press the white display window, the window opens for entering numbers. You can now enter the desired value.

A variable “counter” can only add. Value can be changed.

OPEN DATE		TESTPRINT IQ 2	
Variable Name:	CO5	Counter Field	
Current Value:	1		
Counter Start Number:	1		
Increment:	1		
Repeating Pallet Count:	1		
Rollover Number:	1		
No. of Characters:	3		
Print Leading Zeros:		Justify Right:	
			
			

Once you press the white display window, the window opens for entering numbers. You can now enter the desired value.

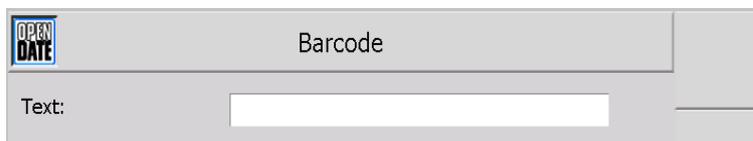
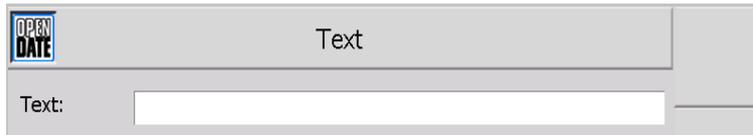
13.5 Variable Create / Modify using Text Input.

It is also possible to create and modify Variables from the text input window when adding either Text or a Barcode to the Format.



Touch either the Text or Barcode Button

The following screens are displayed



Touch the white Text Input Window

The following screen is displayed



Touch the 'Variable Button' found at the bottom left hand corner of the screen.

Follow the procedure as described in Chapter 13.3 for creating a Variable field.

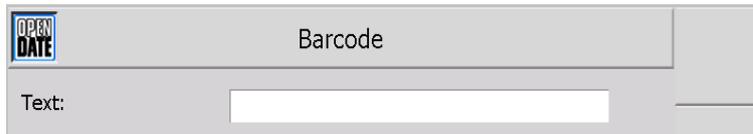
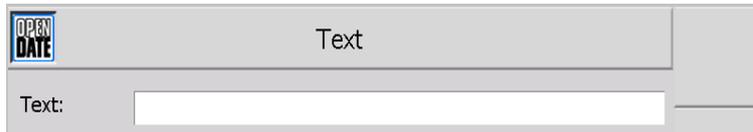
13.6 To Add a Variable Field.

To insert a Variable field you must first create Variables as described in Chapter 13.3 to 13.5



Touch either the Text or Barcode Button

The following screens are displayed



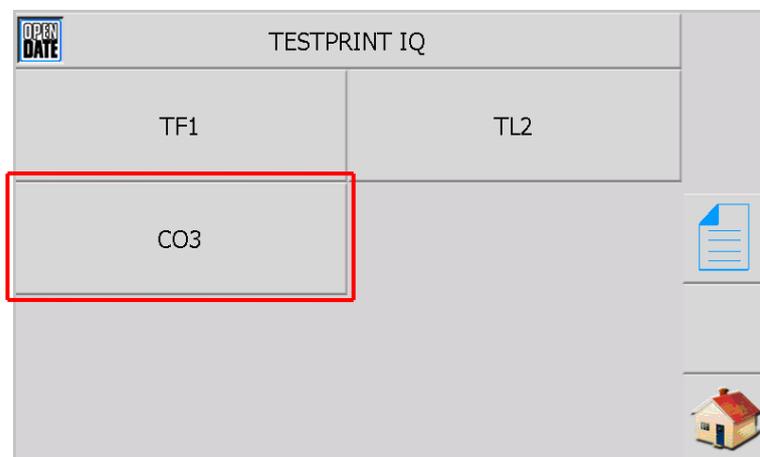
Touch the white Text Input Window

The following screen is displayed

Touch the 'Variable Button' found at the bottom left hand corner of the screen.

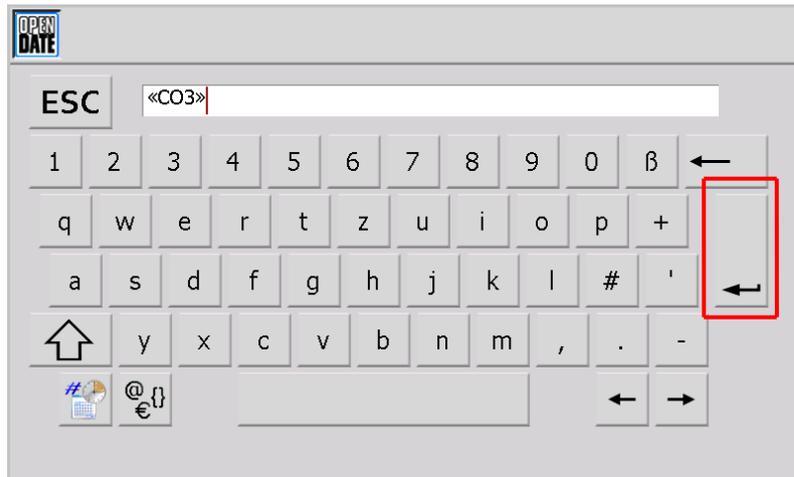


The following screen is displayed



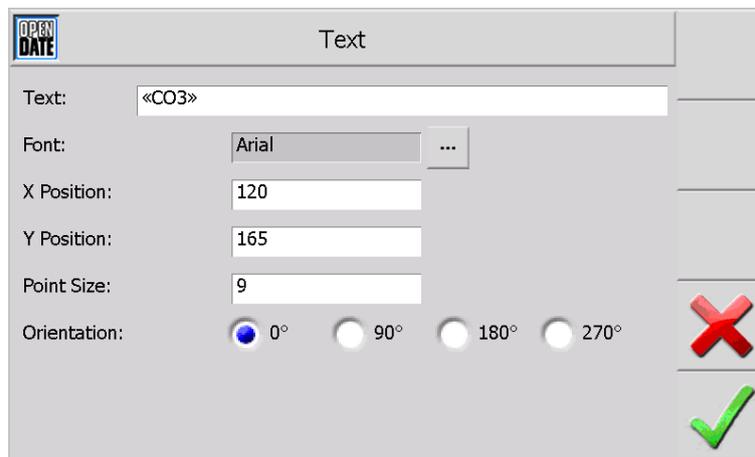
Touch the desired Variable Button (In this example CO3)

The following screen is displayed. The variable has been added, as shown '<<CO3>>' in a double bracket.

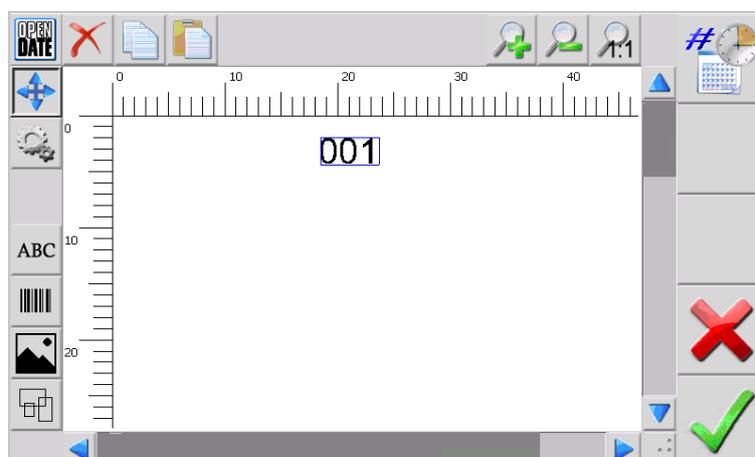


Touch the Enter Button

The following screen is displayed



To save touch the Green Tick. The Variable Field (in this example Counter Field is show in the Format Display Window



13.6 To Edit a Variable Field from the Text Input Window.

When the Variable has been added to the Text Input Window as seen in the previous Chapter, you have the option to edit the Variable Field



Use the Move Cursor arrows (in this instance left) to place the Cursor on the text <<CO3>>



The text will then change to a green font. While Green you can edit the field.

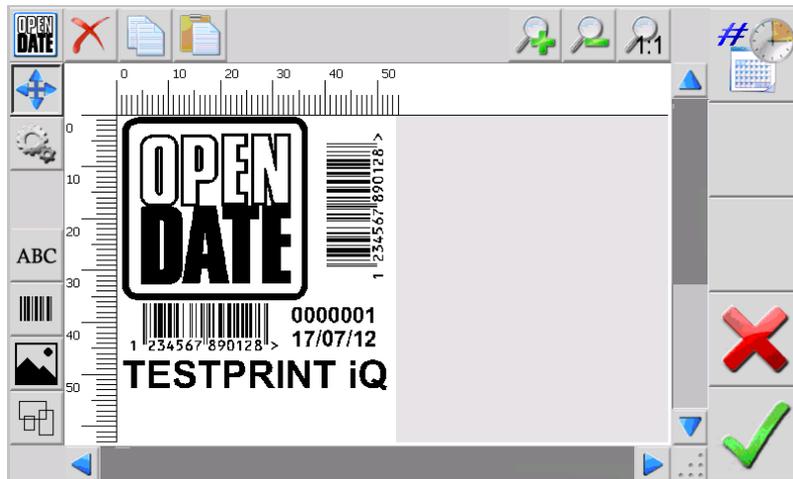


Touch the 'Variable Edit Button' at the bottom left corner of the screen.

You can now edit the variable. The variable values are the same as when creating a new variable.
(Chapter 13.3 to 13.5)

13.7 Saving Format.

When the Format has been created it can be saved by touching the Green Tick at the bottom right hand corner of the screen.



13.8 Creating a New Format from an existing one.

Select an existing Format that you wish to modify from the Format Management Button in the Settings Menu.

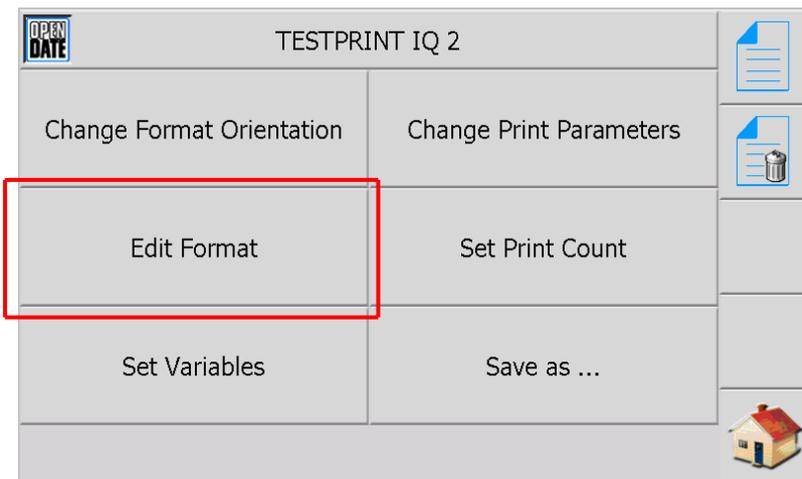


Touch the 'Save As Button' to save the current format. Once you touch the button the window for text entry opens. You can now enter the desired Format name.



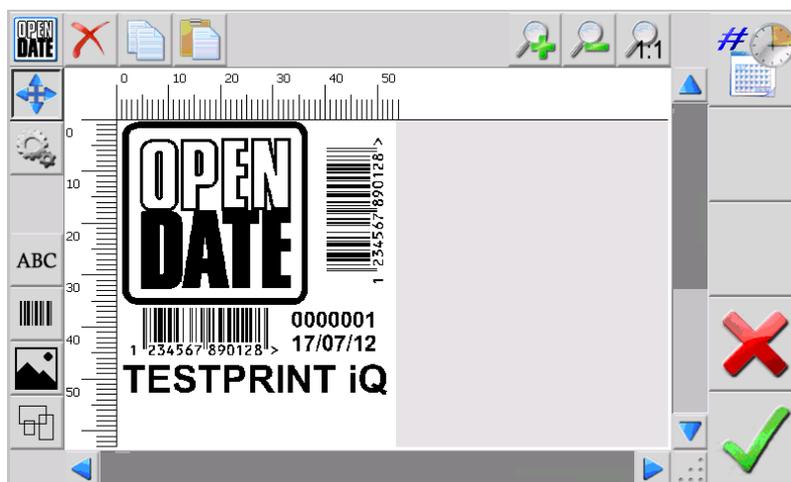
Touch the Enter Button.

The following screen is displayed.

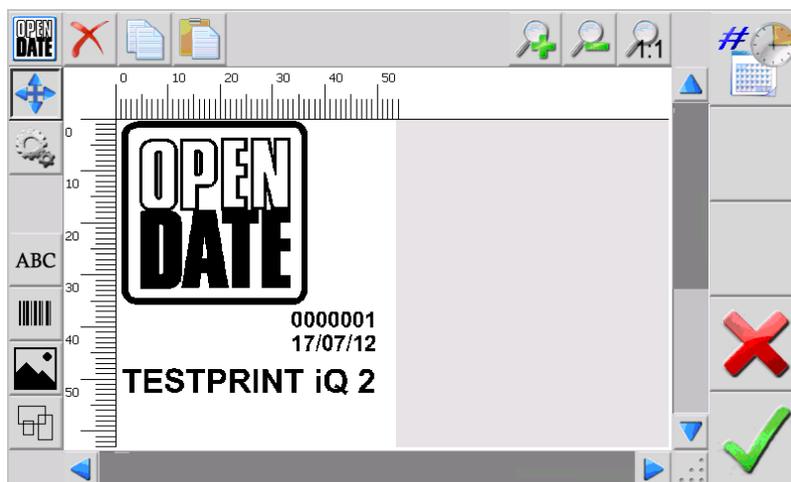


Touch the Edit Format Button

The Format to be modified / edited will be displayed



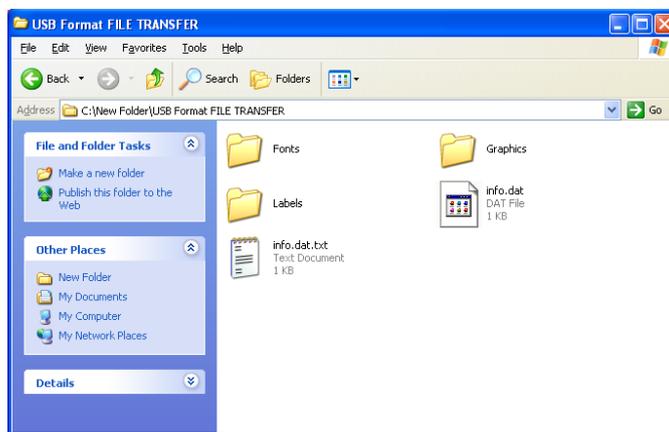
Once the Format has been modified / edited touch the Green Tick at the bottom right hand corner of the screen



14.0 Using a USB Flash Drive

You can use a USB flash drive as a means of transferring data from a computer to the printer, from one printer to another or as additional printer memory.

To prepare a USB flash drive for use firstly make sure that there are no other files or folders on it as they could affect the smooth transfer of data. If in doubt it is recommended that the flash drive is reformatted in FAT32.



Two files have to be copied to the root directory of the flash drive for it to be recognised by the printer as a storage device. These files are named *info.dat.txt* and *info.dat* and can be provided your local Open Date distributor.

When the above mentioned files are loaded to the flash drive three folders, named *Fonts*, *Graphics* and *Labels* should also be created. When fonts graphics or labels are copied from the printer to the USB flash drive they will be automatically placed in to these folders.

14.1 Fonts

The *Fonts* folder is for storing and transferring fonts.

Fonts must be in the .fon format. The iQ printer will be supplied with a small selection of pre-loaded fonts. Additional fonts can be loaded to the printer using the Font Downloader included with the optional *Codesoft* label design software or can be supplied by your local Open Date distributor. Customer's own fonts can be converted to suit the iQ however many are subject to copyright and the customer should ensure that they have the right to use them before requesting conversion.

14.2 Graphics

The *Graphics* folder is for storing and transferring graphic images such as logos. Graphic images must be monochrome (1 bit) bitmaps (.bmp). It is recommended that they be 300dpi and in the exact size required for printing as the software can only scale up by the ratios of 2:1 and 4:1 and cannot scale down.

Such images can be created and edited using proprietary software such as Microsoft™ Paint.

14.3 Labels (Print Formats)

The *Labels* folder is for storing and transferring print formats. Print formats created using the printer's Editor software are saved with the extension *.frm* for example *name.frm* and the printer only works with files of this type. There is a separate instruction document for creating *.frm* print formats using the optional *Codesoft* label design software.

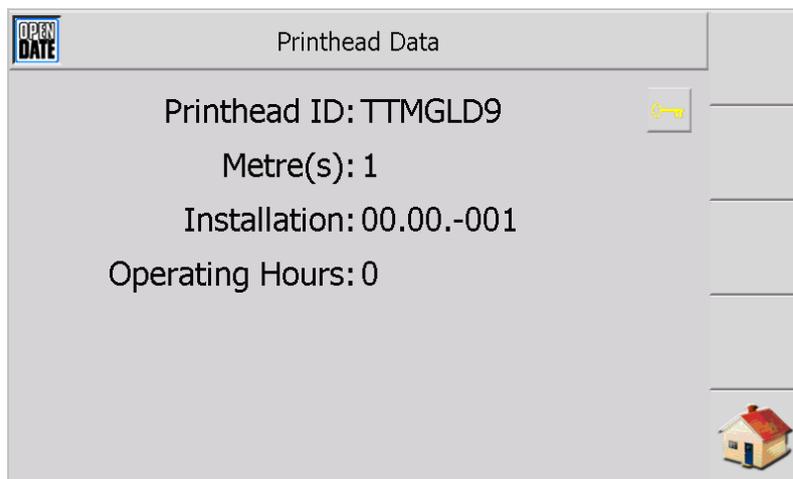
15.0 Entering the Print Head ID

When installing a new print head, you must enter a unique identification number. This Print Head ID number sets the correct resistance.

The ID must be entered in order to ensure the print quality of the print head. A false ID may damage the print head.

In order to enter a new ID, please follow the steps below.

1. Press the 'Settings' Button on main menu.
2. Press the 'Service' button in 'Settings' menu.
3. Press the 'Print Head' button in the "Service" menu.
4. Press the button with the key symbol in the "print head data" menu.



In this window, the print head ID of the new print head can be entered.

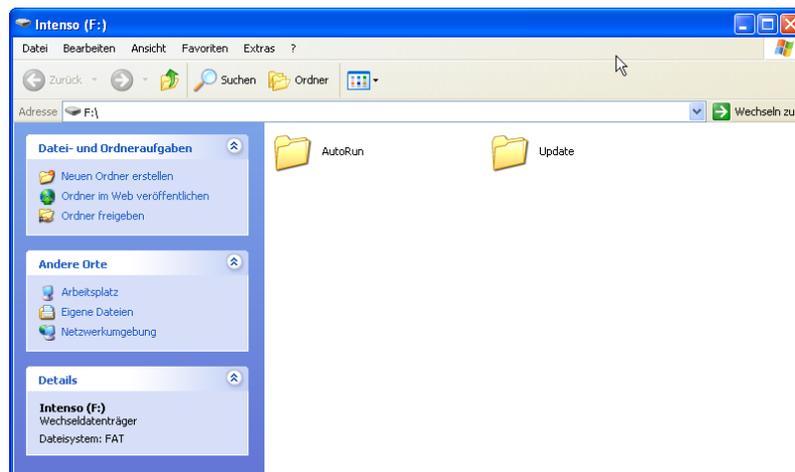
Once you click on the clear background display window, a window opens for entering text. You can now enter the desired Print Head ID.

Please check the ID before saving it. To save the Print Head ID open the Time and Date window and press the Green Tick

16.0 Firmware Update

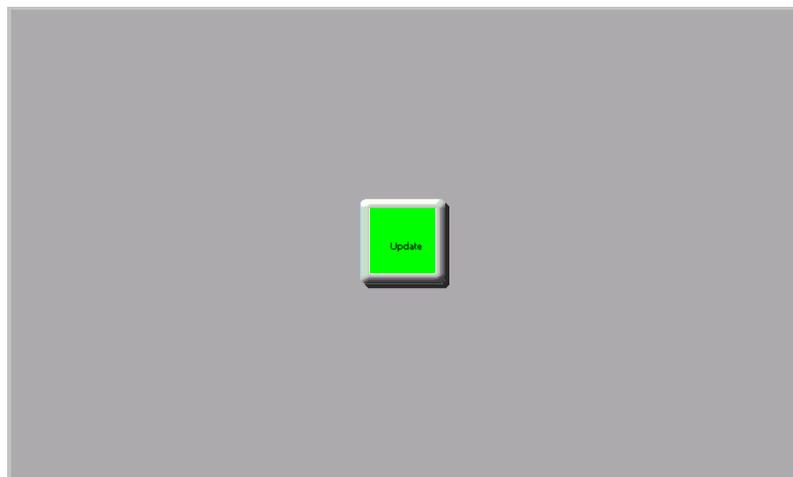
Latest issue firmware for the Editor can be found on our technical information website www.opendateinfo.com You can load new firmware updates directly from a USB flash drive (memory stick) into the Editor

Please make sure that no other folders and files are on the USB flash drive. This could affect the smooth transfer of data. (We recommend reformatting the flash drive in FAT32)

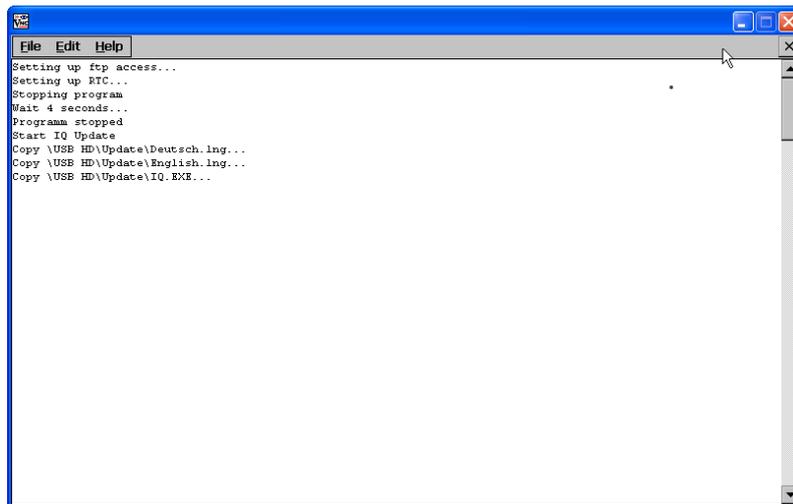


Copy the folders 'AutoRun' and 'Update' onto the flash drive.

Plug the flash drive into the USB port plug the printer, after a few seconds, the following screen will appear.

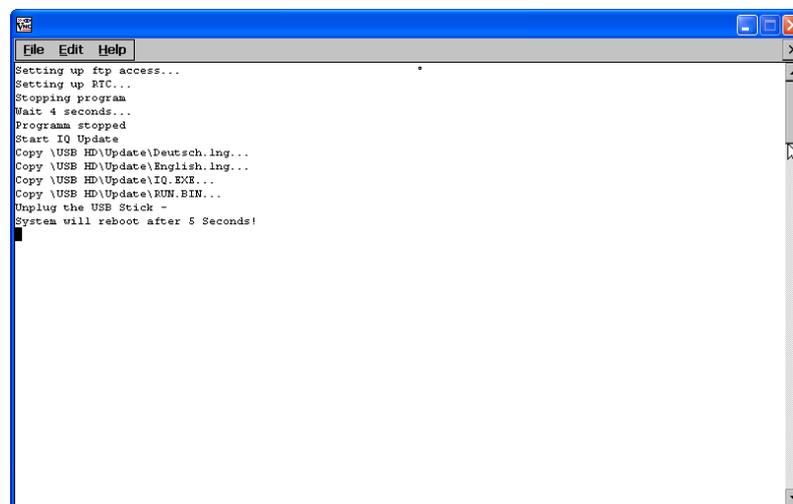


Once you press the "Update" button, the firmware update is started.



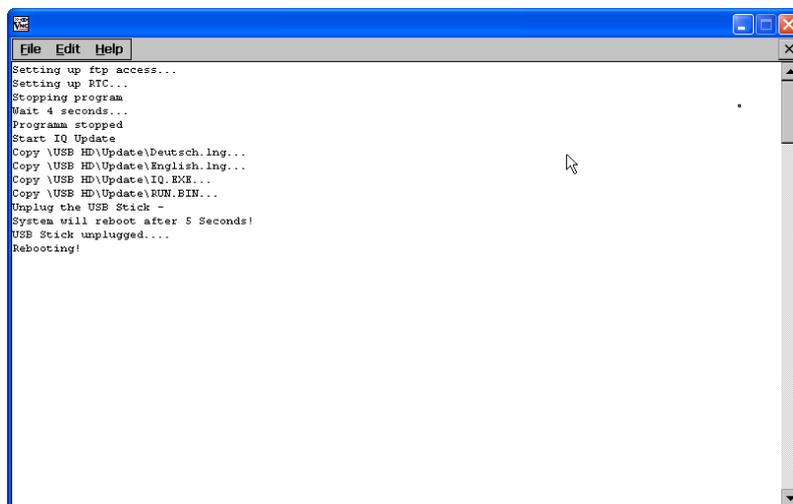
```
File Edit Help
Setting up ftp access...
Setting up RTC...
Stopping program
Wait 4 seconds...
Program stopped
Start IQ Update
Copy \USB HD\Update\Deutsch.lng...
Copy \USB HD\Update\English.lng...
Copy \USB HD\Update\IQ.EXE...
```

You will see the update history displayed.



```
File Edit Help
Setting up ftp access...
Setting up RTC...
Stopping program
Wait 4 seconds...
Program stopped
Start IQ Update
Copy \USB HD\Update\Deutsch.lng...
Copy \USB HD\Update\English.lng...
Copy \USB HD\Update\IQ.EXE...
Copy \USB HD\Update\RUN.BIN...
Unplug the USB Stick -
System will reboot after 5 Seconds!
```

After about 1 minute you will see the words "Unplug the USB Stick."
Now remove the flash drive.



```
File Edit Help
Setting up ftp access...
Setting up RTC...
Stopping program
Wait 4 seconds...
Program stopped
Start IQ Update
Copy \USB HD\Update\Deutsch.lng...
Copy \USB HD\Update\English.lng...
Copy \USB HD\Update\IQ.EXE...
Copy \USB HD\Update\RUN.BIN...
Unplug the USB Stick -
System will reboot after 5 Seconds!
USB Stick unplugged....
Rebooting!
```

After about 5 seconds, the word "Rebooting" will appear
The firmware update is complete.
The printer will automatically reboot.