Operator's Manual





cablabel S3

Operator's Manual for the following products

Family	Art. Nr	Туре
Labelling Software cablabel S3	5588000	cablabel S3 Lite
	5588009	cablabel S3 Demo
	5588001	cablabel S3 Pro
	5588010	cablabel S3 Pro Laser

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1 Introduction

1.1 Instructions

Important information and instructions in this documentation are designated as follows:



Danger!

Draws your attention to an exceptionally grave, impending danger to your health or life.



Warning!

Indicates a hazardous situation that could lead to injuries or material damage.



Attention!

Draws attention to possible dangers, material damage or loss of quality.



Gives you tips. They make a working sequence easier or draw attention to important working processes.



Environment!

Notice!

Gives you tips on protecting the environment.

- Handling instruction.
- \triangleright Reference to section, position, illustration number or document.
- * Option (accessories, devices, special fittings).
- Hour Information in the display.

1.2 System requirements

- PC with 2 GHz Processor or higher
- 32/64 bit Microsoft[®] Windows[®] operating system with latest updates: •

Windows Vista	Server 2008
Windows 7	Server 2008 R2
Windows 8	Server 2012
Windows 8.1	Server 2012 R2
Windows 10	Server 2016
	Server 2019

- 1 GB available RAM (depending on the system)
- 500 MB available hard disk space .
- Second network card dedicated to the laser with deactivated firewall and all ports open (the IP address of this network card is usually fixed to 192.168.1.1 and the one of the laser to 192.168.1.11)
- The decimal symbol in the Windows regional settings needs to be changed from a comma "," to a full stop "."
- Minimum screen resolution of 1280x1024
- Administrator rights on local computer for installation and activation •

6 1 Introduction

cablabel S3 specifications 1.3

	Lite	Pro	Print	Print Server ⁽¹⁾
General functions				
Languages: English, French, German, Spanish, Italian, Polish Chinese (simplified and traditional), Korean	•	-		-
Creating labels with layers management				
Wizard-based user interface				
cab labels formats				
Printing labels		-		
JScript code viewer				
Unicode support		_		
True WYSIWYG				
Multiline texts, paragraph		_		-
TrueType fonts		-		-
Text alignment and decimals formatting		_		
Max width of text and hyphenation	-	-		
Text box with various markups (e.g. for highlighting allergens)				
Graphic import Raster (bmp, jpg, tif,)				-
Vector (dxf, plt, svg,)				
Color support				
Background picture or color				-
	(2)			-
Linear, 2D, GS1 and composite types of barcodes	(=)	-		-
Barcode wizard GS1/EAN/UCC-128, FACT/MH10 and QR	-			_
Prompt fields free				
with input mask and choice list				
Barcode verifier and compound prompts				
Date and time including offsets and format wizards				
Counter basic (numeric and increment +/-1)				
advanced (alphanumeric, increment +/-n, reset,)				
Formula: mathematical operations, manipulate strings,				
Laser devices support		(3)	(3)	
ABC basic compiler support with code library				
Variable graphics and character map				
Variables: datasources with information about the label, the printer,				
View and control of the printer display ⁽⁴⁾				
Database functions				
OLE DB, ODBC, ASCII			(5)	(5)
Database Connector and SQLite for the standalone mode				
Query editor				
Multiple tables and databases			(5)	(5)
Import / export functions				
Print to file				
Export to graphic PNG				
Export to PDF				
Import of LBL JScript files				
Printing functions				
Interfaces: serial, parallel, USB, Ethernet, WLAN				
Number of native cab printers	unlimited	unlimited	unlimited	(6)
Printer spooler				
Bidirectional communication				
Standalone mode				
Network printer (TCP/IP)				
Windows printer				

Table 1 Specifications

⁽¹⁾ In progress
 ⁽²⁾ Except EAN 18/128 barcodes
 ⁽³⁾ Specific version

⁽⁴⁾ Depending on printer model and used port
 ⁽⁵⁾ Run queries only
 ⁽⁶⁾ Depending on license

2 Installation



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Installing on computer

Notice!

It is possible to do a silent installation of cablabel S3 directly in command line. \triangleright 7.1 Installation parameters.

- Insert the delivered CD-Rom in your computer, the installation should start automatically. If the autorun does not start or if you have downloaded the installation file, double-click on the file « cablabelS3_XXXX_Setup.exe » to begin the installation (where XXXX matches your version).
- Select the installation language of the program.

	Select Setup Language
cab	Select the language to use during the installation:
	English V OK Cancel

Figure 1 Select installation language

Start installation and read the user license.

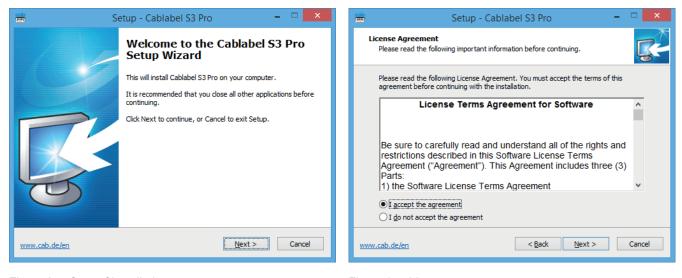


Figure 2 Start of installation program

Figure 3 License agreement

8 2 Installation

Enter user information and read the release notes.

🚟 Setup - Cablabel S3 Pro 🗕 🗖 🔀	💼 Setup - Cablabel S3 Pro 🗕 🗖 🗙
User Information Please enter your information.	Information Please read the following important information before continuing.
Title First name Last name Mr. Image: Company Image: Company Email Image: Company Image: Company Email Image: Company Image: Company Cab will handle your personal information as described in our Privacy statement. This information will not be accessible to any third party for marketing purposes. You can unsubscribe from receiving communications from cab at anytime by changing the above option or by contacting us via mail, phone or email.	When you are ready to continue with Setup, dick Next. General: - New PX Qprinter series - New device setting for monitoring the ribbon ink side of thermal transfer printing mode (only for printers with X4 CPU) - New SQLite functionality for the standalone mode allowing to upload databases to printer's memory (only for printers with X4 CPU) - New barcode type DotCode (only for printers with X4 CPU) - New barcode type DotCode (only for printers with X4 CPU) - New barcode syme - Script functionalities are not supported with previous printer's models - Added saving of previous used settings in the label creator wizard - Added saving of previous selected card reader or file location in the upload dialog - Added warning message when a prompt is filled with an invalid input through the prompt list - Improved visibility of color text in some tabs
www.cab.de/en <back next=""> Cancel</back>	www.cab.de/en <a>Back Cancel

Figure 4 User information

Figure 5 Release notes

▶ The program will be installed by default in the displayed folder, you can change it only if required.

📸 Setup - Cablabel S3 Pro 🗕 🗖 🗙	📸 Setup - Cablabel S3 Pro 🗕 🗆 🗙
Select Destination Location Where should Cablabel S3 Pro be installed?	Select Start Menu Folder Where should Setup place the program's shortcuts?
Setup will install Cablabel S3 Pro into the following folder.	Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.	To continue, click Next. If you would like to select a different folder, click Browse.
C: Program Files (x86)\Cablabel S3 Browse	Cablabel S3 Browse
At least 107,6 MB of free disk space is required.	Don't create a Start Menu folder
www.cab.de/en <back next=""> Cancel</back>	www.cab.de/en <back next=""> Cancel</back>

Figure 6 Choose of target folder

Figure 7 Choose of start menu folder

2 Installation

- Select the additional tasks to be done by the installation program and check the selected options summary.
- Click on Install.

📸 Setup - Cablabel S3 Pro 🗕 🗖 🗙	📸 Setup - Cablabel S3 Pro 🗕 🗆 🗙
Select Additional Tasks Which additional tasks should be performed?	Ready to Install Setup is now ready to begin installing Cablabel S3 Pro on your computer.
Select the additional tasks you would like Setup to perform while installing Cablabel S3 Pro, then click Next.	Click Install to continue with the installation, or click Back if you want to review or change any settings.
Additional icons: Create a desktop icon Create a Quick Launch icon	User information: cab
Greate a guild Ladiich Icon File association: ✓ Associate Cablabel S3 Pro with the .stc file extension	C:\Program Files (x86)\Cablabel S3 Start Menu folder: Cablabel S3
	Additional tasks: Additional icons: Create a desktop icon File association:
www.cab.de/en <back next=""> Cancel</back>	www.cab.de/en <back cancel<="" install="" th=""></back>

Figure 9

Installation summary

Figure 8 Additional tasks

Wait until the end of the installation.





Figure 11 End of installation

2.2 Program starting

After installing cablabel S3, an icon of the program is placed on the user desktop and/or in the start menu (depending on selected installation options).

Start the program by double clicking on one of these icons.

10 2 Installation

2.3 Activation

1

Depending on the installed version, an activation is needed before you can use the program.

Attention!

Except the Lite version, the program cannot be used without being activated.

At the first start, a message will ask you to activate the program.

	Cablabel S	3 Pro - Host Application -		_ 🗆 🛛
General				۵ 0
Open Save as	Print Configure devices list		Settings	🕧 About
File	Printing	Plugins		Global
	Application need Do you want to a	s to be activated before you can use it	×	
	16:38:10	Spooler NUM		Cablabel S3 Pro .;;

Figure 12 Program activation

After clicking on Yes, the activation wizard starts. Or else by clicking on the About button in the toolbar of the General tab.

-	Activation wizard
cab	Cablabel S3 activation
	to the activation of your cab Software. ect which method to use to activate the software:
0	Online activation This is the easiest way for the activation. Your product will be immediately activated online after entering your product key. Please note that https must be enabled.
0 🗟	File activation / email request In case online activation is not working, you can choose the file activation. We will send you a file via email which you can then use to activate the software.
	Next 🌼

Figure 13 Activation wizard

2 Installation

2.3.1 Online activation

	Activation wizard	x
Cab Onlin	e activation	
Please give in your	product key to activate the software	
Authentication code	ААААААА	
Product key	X0000X0000X0000X0000X0000	
	Activate	
	Previous Close	

Figure 14 Online activation

- Enter product key provided with your purchase.
- Click on the Activate button. After a few seconds, the software will be automatically activated through internet and will then restart.

Notice!

i Ar

An internet access is required for online activation. Otherwise you will have to use the file activation.

2.3.2 File activation

	Activatio	on wizard 🛛 💌
File a	ctivation	
Please give in your (product key to activa	te the software
Authentication code	AAAAAAA	
Product key	XXXXX -XXXXX -XXXXX -	XXXXX-XXXXX 🖌
I don't have an a Click on the button belo email for an activation f be sended to you soon.	w to ask cab via ile. This file will	I already have an activation file Load the activation file here and click on the "activate" button below. Activate Previous Close

Figure 15 File activation

If you don't have an internet access or if the online activation did not work, it is possible to do a file activation.

- Enter product key provided with your purchase.
- Click on the Request button to generate automatically an email containing the activation request. If this does not work, the activation request is created on the desktop in a TXT format file.
- Send the activation request to the specified address from a computer connected to the internet. After verification by the activation service, you will receive in response the activation file.
- Copy the activation file to the computer where cablabel S3 is installed.
- ▶ Click on the "..." button to select the activation file.
- Click on the Activate button. The software will then be activated and will automatically restart.

3.1 Main interface

After activation and restarting, the welcome page appears:

General Printer Spooler Designer	Cablabel S3 Pro - Host Applicatio	on -		_ □ <mark> ×</mark> 10— ^ @
New document	mony card	Settings		
cablabel ^{S3}				we identify more
New Devices Settings Create a new layout 5	Support 4			Teachmanha Star Sein Heann (; ja 66) ab bereval agles auto Predictive hinhit
New label	🛗 GS1-128.stc	-6=		CANANTING AND A CANANTING AND
New label from wizard New from existing label	<pre>printer_parts_promptstc</pre>	-133		Court : 20 on to - Durit Bythes : 22(1): 6
	Printer_parts.stc Variables plugin.stc	-(=) -(=)		
Open a layout 6	cab Painting.stc	-[=1	Properties Filename	GS1-128.stc
👼 Open and print			Created Last modified	22/01/2013 16:45:26 29/06/2016 09:08:00
💾 Open a sample label	8		Version Nb of objects	Pro 1.0.6.4
_		9	Database	No Administrateur
7				

Figure 16 cablabel S3 welcome page

1. Qu	uick access bar	Quick access to the most common commands (open, save)
2. Ma	ain button	Access to main software commands
3. To	olbar	Access to different objects and properties of selected ribbon
4. We	/elcome page	Starting page
5. Ne	ew label	Create a new label
6. Op	pen label	Open an existing label
7. Sta	atus bar	Status and information
8. Re	ecent files	List of last opened labels, with favorites pinning possibility
9. Fil	le information	Preview and information of the selected label
10. 🏼 /	/ 🔉	Show / hide the toolbar
11. He	elp button	Access to the operator's manual you are currently reading

3 Overview

3.2 Designer

The Designer let you create a label and place different objects on it.

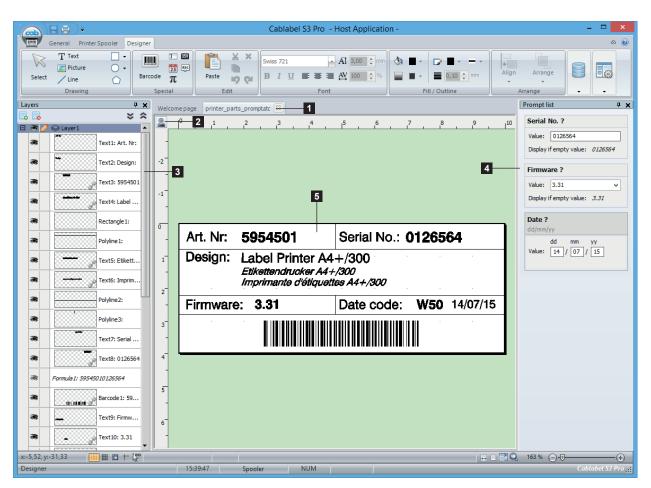


Figure 17 Designer

1.	Opened labels	Tab with the opened labels
2.	Layout orientation	Portrait / Landscape (orientation without objects by holding "Ctrl" key)
3.	Layers	Layers with the different objects
4.	Prompt list	List with the different prompt fields of Formular type
5.	Label	Label with the different objects

Notice!

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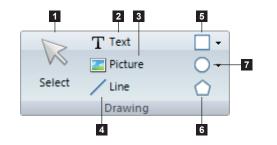
The Layers (3) and the <code>Prompt list</code> (4), are available under the <code>Display options</code> button in the <code>Designer ribbon</code>. \triangleright 5.3 Document settings

The properties of the different prompts are also available by right-clicking in the Prompt list (4).

14 3 Overview

3.2.1 Drawing toolbar

The Drawing toolbar is composed of the most used objects on a label.



- 1. Selection cursor
- 2. Text
- 3. Picture
- 4. Line
- 5. Rectangle and square
- 6. Polygon
- 7. Circle and ellipse

Figure 18 Drawing toolbar

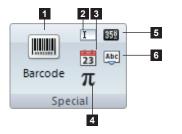
Notice!

i

"Ctrl" key allows to draw the objects with a free angle, instead of an horizontal or vertical alignment. "Alt" key allows to draw the objects starting from the center, instead of the top left corner.

3.2.2 Special toolbar

The Special toolbar is composed of special objects to insert a barcode or a datasource.

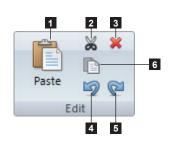


- 1. Barcode
- 2. Prompt field
- 3. Date / time
- 4. Formula
- 5. Counter
- 6. ABC code

Figure 19 Special toolbar

3.2.3 Edit toolbar

The Edit toolbar is composed of basic edition commands.



- 1. Paste
- 2. Cut
- 3. Delete
- Undo
 Redo
- Copy

Figure 20 Edit toolbar

3.2.4 Font toolbar

The Font toolbar is composed of different text formatting commands.

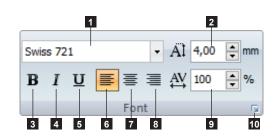


Figure 21 Font toolbar

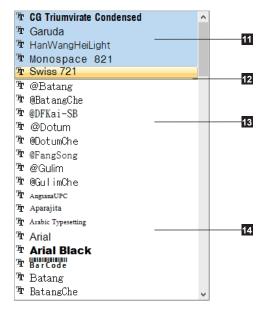


Figure 22 Font face

- 1. Font face
- 2. Font size (height) in mm
- 3. Bold
- 4. Italic
- 5. Underline
- 6. Left alignment
- 7. Center alignment
- 8. Right alignment
- 9. Font width
- 10. Advanced properties \triangleright 5.2.3 Inserting texts
- 11. The native fonts provided with cablabel S3 are listed at the beginning
- 12. Visual separation between native fonts and graphic fonts
- The special graphic fonts, whose name begins with the symbol "@", contain ideograms rotated by 90°.
 These characters allow for example to easily create a vertical text area.
- 14. Standard graphic fonts

Notice!

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All fonts listed in cablabel S3 correspond to those installed in Windows.

3.2.5 Fill / Outline toolbar

The ${\tt Fill}$ / ${\tt Outline}$ toolbar is composed of the different commands to change the filling and outline of a drawing object.

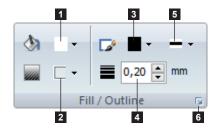


Figure 23 Fill / Outline toolbar

- 1. Fill color
- 2. Fill style
- 3. Outline color
- 4. Outline width
- 5. Outline style
- 6. Advanced properties ▷ 5.2.2 Object Fill & outline

3.2.6 Arrange toolbar

The Arrange toolbar is composed of different commands to adjust the objects position.

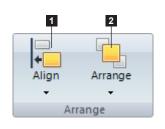


Figure 24 Arrange toolbar

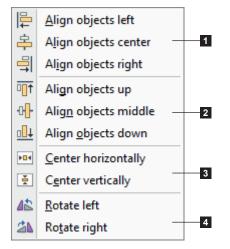


Figure 25 Alignment options

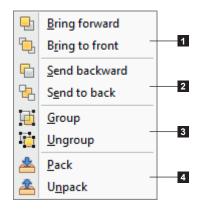


Figure 26 Arrange options

- 1. Alignment of selected objects
- 2. Arrangement of selected objects

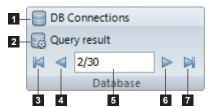
- 1. Horizontal alignment of selected objects
- 2. Vertical alignment of selected objects
- 3. Centering of selected objects in the label
- 4. Rotation of selected objects

- 1. Objects stack up position in the label (front)
- 2. Objects stack up position in the label (back)
- Group / ungroup selected objects Selected objects are only displayed as grouped, but sent individually to the printer.
- 4. Pack / unpack selected objects Selected objects are merged and sent to the printer as one picture.

3 Overview

3.2.7 Database toolbar

The Database toolbar is composed of the different commands to connect and use a database.



_ _ _

Figure 27 Database toolbar

- 1. Create / change database connection
- 2. Display the result of the query
- 3. First record
- 4. Previous record
- 5. Actual record position
- 6. Next record
- 7. Last record

Notice!

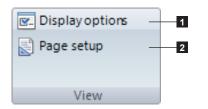
The database toolbar appears only when the database plugin is loaded. \triangleright 6.8 Database wizard This plugin is not available in every versions of cablabel S3.

3.2.8 View toolbar

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The View toolbar is composed of the different visual commands.



- 1. Display view settings
- 2. Label and paper properties

Figure 28 View toolbar

Notice!

It is possible to set a picture to the label background in the display options.

If you use pre-printed labels, this background picture can for example display your pre-printed label. So you have a real view of your resulting label when placing objects on it.

3.2.9 Objects properties

Different options are also available by right-clicking on the objects from label or layers:

⋇	<u>C</u> ut	Ctrl+X
D	Сору	Ctrl+C
Ē	<u>P</u> aste	Ctrl+V
×	<u>D</u> elete	Del
9	<u>U</u> ndo	Ctrl+Z
	<u>G</u> roup	•
Ъ	<u>B</u> ring to	front +
G	Send to	bac <u>k</u> ▶
48	Ro <u>t</u> ate	•
т	<u>F</u> ont	
	Datasou	rce
	Remove	
	<u>I</u> nvisible	
	Properti	es

Figure 29 Objects properties

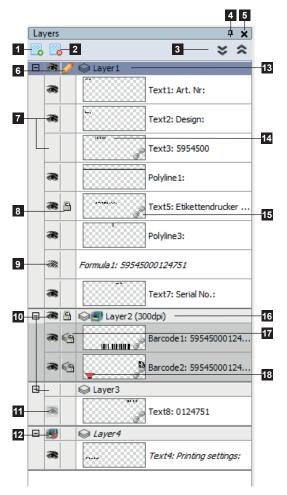
18 3 Overview

3.2.10 Layers

Layers contain all different objects composing a label.

Each layer can be hide or locked. Each object on the layer can also be individually hide or locked in order to prevent moving.

A layer can also be assigned to a pre-defined printing resolution. For example one layer for a 300 dpi resolution.



- 1. Add a new layer
- 2. Delete selected layer
- 3. Expand / Collapse all layers
- 4. Pin layers window
- 5. Close layers window
- 6. Edit / lock layer
- 7. Object visible / invisible on display and printing
- 8. Object lock
- 9. Object invisible only on printing but sent to the device
- 10. Layer visible / invisible on display and printing
- 11. Object invisible by the layer
- 12. Printing of the layer is not allowed
- 13. Neutral layer
- 14. Object preview on label
- 15. Object linked to another (for example linked to a datasource)
- 16. 300 dpi layer
- 17. Object locked by the layer
- 18. Barcode verifier enabled

Figure 30 Layers



Notice!

Layer objects assigned to a specific resolution, will only be printed on devices supporting the same resolution. For example objects from a 200 dpi layer, will not be printed on a 300 or 600 dpi device. This can be useful to display the real size of a barcode.

3 Overview

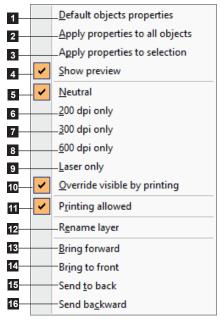


Figure 31 Layers properties

Different options are available by right-clicking on the layer names:

- 1. Display the default objects properties window
- 2. Apply the properties to all objects of the selected layer
- 3. Apply the properties to the selected object
- 4. Show a preview of the object in the label
- 5. Neutral layer device-independent
- 6. Layer forced for 200 dpi devices
- 7. Layer forced for 300 dpi devices
- 8. Layer forced for 600 dpi devices
- 9. Layer forced for laser devices
- 10. Force printing layer for the corresponding print resolution
- 11. If printing is not allowed, the objects in the layer are visible on the screen but are not sent to the device
- 12. Allow to rename selected layer

Only if there are several layers in the document:

- 13. Bring the selected layers forward
- 14. Bring the selected layers to front
- 15. Send the selected layers to back
- 16. Send the selected layers backward

3.2.11 Status bar

The status bar display different states and information of the active label.

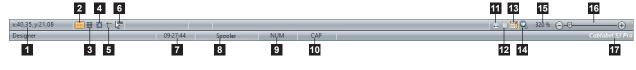


Figure 32 Status bar

1.	Cursor coordinates (in mm) on label
2.	Show / hide dot grid
3.	Show / hide line grid
4.	Enable / disable snap to grid
5.	Show / hide cursor guide
6.	Enable / disable last object repetition
7.	Current time
8.	Switch to printer spooler
9.	Num Lock status
10.	Caps Lock status
11.	View adjust to the page width
12.	View adjust to the whole page
13.	Enable / disable automatic resizing of the page when the window is resized
14.	Zoom on selection
15.	Zoom level
16.	Zoom level slider
17.	cablabel S3 version

4 Configuration 20

4.1 Global settings

cablabel S3 settings are available under the Settings example change the software language or style (color theme).

Attention!

These settings are the default settings which will be applied when creating a new label.

4.1.1 General tab

In this tab you will find the parameters related to the program.

Global settings ### Grid 👖 Object 🔌 Background 🏼 🔊 Fill & outline 1 Application style Silver v 2 - Language English v 3 ✓ Display Label Creator Wizard 4 Show hints 5 Expert mode 6 Generate .bak file 7 ✓ Include layout name for picture name calculation 8 Check for existing fonts or images Pictures 9 Search path C:\Users\Public\Documents\cab\stc\Gallery\ 10 Default extension .jpg 🗸 <u>о</u>к X Cancel

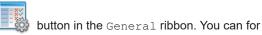
Figure 33 General global settings

4.1.2 Expert mode

The Expert mode allows access to some features reserved for advanced users. It allows:

- to print documents without correction even if the parameters are outside the device specifications ▷ Notice! 5.4 Label printing
- in standalone mode, to disable the automatic graphic fonts uploading of fixed texts \triangleright 5.5 Save a label on a memory card
- to display the System devices tab when configuring a device if a document is opened > 4.2.7 System devices / Document devices
- to access the Color management for each object > 5.2.2 Object Fill & outline

- Application style (color theme) 1.
- 2. Application language
- 3. Show / hide the Label Creator Wizard
- 4. Show / hide the display of tooltips on objects
- 5. Enable / disable the Expert mode
- Enable / disable the creation of a backup file 6.
- 7. Includes or not the layout name in the picture name calculation generated for a printer
- 8. Do not resend font or image if it can be found locally on the device
- 9 Default search folder where pictures are stored
- 10. Default extension for picture files





4.1.3 Grid tab

In this tab you will find the display-related settings.

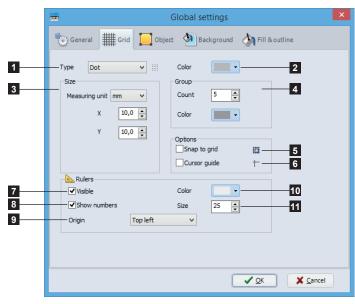


Figure 34 Global grid settings

4.1.4 Object tab

In this tab you will find the parameters related to objects.



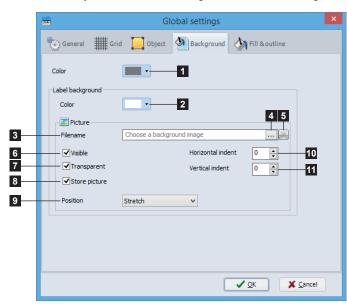
Figure 35 Global objects settings

- 1. Grid type (none, dots or lines)
- 2. Grid color
- 3. Grid size
- 4. Group settings
- 5. Enable / disable automatic alignment of objects on the grid
- 6. Show / hide the cursor guide
- 7. Show / hide the rulers
- 8. Show / hide numbers on rulers
- 9. Origin position of the rulers
- 10. Rulers color
- 11. Rulers size

- 1. Settings on mouse over an object on the label
- 2. Settings when selecting an object on the label

4.1.5 Background tab

In this tab you will find the settings related to the background.



- 1. Background color
- 2. Label background color
- 3. Path and name of the label background picture file
- 4. Browse your computer to select a picture file
- 5. Delete the label background picture
- 6. Show / hide the label background picture
- 7. Enable / disable the transparency of the label background picture (if this picture supports transparency)
- 8. Enable / disable saving the picture in the label file
- 9. Specify the picture position
- 10. Picture offset in horizontal direction
- 11. Picture offset in vertical direction

Figure 36 Global background settings

4.1.6 Fill & outline

In this tab you will find the parameters related to the filling and outline of objects as well as text fonts.

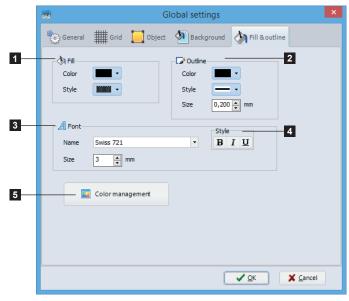


Figure 37 Global fill and outline

- 1. Objects fill settings
- 2. Objects outline settings
- 3. Font type and size
- 4. Font style
- 5. Color management for color printers > page 23

4 Configuration

4.1.7 Color management

Notice!

i

Picture split color settings are only used when printing on a two color printer.

When printing on a two color printer (XC ...), you can specify the secondary color to print. For this you can select a color from the list or pick it directly on the screen or in your label using the eyedropper tool. The objects defined with this color will then automatically send to the secondary color printhead. Different settings to adjust the tolerance of this color are also available.

The gamma correction allows you to change the rendering of the lightest colors.

Colors auto levels redefines the color scale by applying the lightest pixel to the white color and the darkest one to the black color.

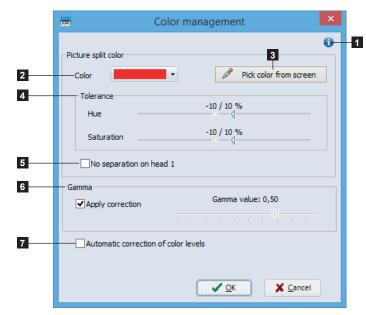


Figure 38 Color management

- 1. Show / hide the help panel
- 2. Picture split color
- 3. Pick color from screen
- 4. Hue and saturation tolerance ranges
- 5. Enable / disable separation on head 1
- 6. Enable / disable gamma correction
- 7. Enable / disable automatic correction of color levels

24 4 Configuration

4.2 Devices

All cab devices drivers are build-in in cablabel S3. Devices are installed in the main application and their print settings will be saved in the document after the first printing.

Attention!

Unlike other labelling software, in cablabel S3 the label is created regardless of the device or resolution. The label can then be printed on any device.

So, there is no default or active device.

4.2.1 Add a device

To add a new device click on the Configure printers list button in the general ribbon or click on the Printers tab on the welcome page.

- Select the device type (1) and device model (2) to install from the right list.
- Double-click on selected model (2) or click on Install selected device button (3) to install it. Once configured, it will be added on the left in the installed devices (4).
- Validate with the OK button (5).



Attention!

With cablabel S3 Pro, it is possible to use any other non native device (6), provided that it is detected and installed as a printer on Windows.

However, standalone mode and "Replace" cannot be used on these devices, and the data integrity is not guaranteed on the printout.



After adding a device, the port selection window opens automatically.

Select port type (1) and port settings (2).



i

The available port types depend on the selected device.

4 Configuration

4.2.2 Delete a device

- Select device model to delete in the installed devices list on the left.
- ▶ Right-click on it and select the Remove device command.

System devices						v device	
	alled devices			ridu	a nev	v device	
Native dev			Step 1: choose	e device type			
	2/300		Thermal Transfe	er Printer			~
	H 4S/300B	6.9		-			
	IX 4/300P		onfigure device				
Windows p		🗄 Re	ename device	evice model			
	y BBP11-34L MACH1/200	🔒 Re	emove device			A- Series	^
	MACH1/200 MACH2/200			_		A+ Series	
🔊 CAB	MAC12/200					Apollo Series	
	ICA MINOLTA C36	4Seri			•	EOS Series	
	soft XPS Docume		:			Hermes A Series Hermes C Series	
	igner ZT230-300d				•	Hermes C Series HERMES Q Series	
			Í			Hermes Series	
						Hermes+ Series	
					œ.	M Series	
					æ	Mach4 Series	
						PX 0 Series	
					Ŧ	PX Series	
					Ð	SQUIX Series	
					٠	XC Series	~
				🖶 Insta	ll sele	cted device	

Figure 41 Devices list

4.2.3 Rename a device

Each device is installed with a default name.

To change this name:

- Select device model in the installed devices list on the left.
- ▶ Right-click on it and select the Rename device command.
- Enter new name.

4.2.4 Configure a device

Device settings - SQUIX 4.3/300 - SQUIX 4.3/300 💌
Setup 😌 Port 🕘 Options
🖶 Printing 🔄 Machine 🔊 Image output
General T0//
Heat level 0
Print speed 100 v mm/s
Print mode
Ribbon winding monitoring None
Direct thermal
Label Q Label sensor Gap
Options V 180° rotation
Mirrored label
Negative label Slashed zeros (depending on font)
VQK X Cancel

Figure 42 Device settings

To configure a device:

- Select the device to configure in the installed devices list on the left.
- Double-click on this device or right-click and select Configure device.
- Change the wished settings.
- ► Validate with the OK button.



Notice!

A non native device can be configured in the same way from cablabel S3 Pro, with the help of the Windows driver provided with this one.

4.2.5 Device options

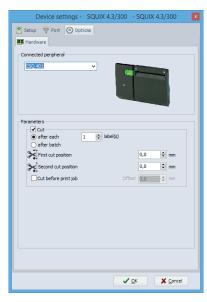


Figure 43 Device options

4.2.6 **RFID** options

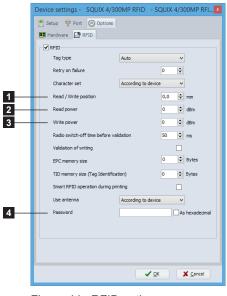


Figure 44 RFID options

To add a device option:

- Select the device to configure in the installed devices list on the left.
- Double-click on this device or right-click and select Configure device.
- ▶ Go to Options tab.
- Select connected option in the list.
- Change the wished settings.
- Validate with the OK button.

For more information about the device settings \triangleright Device manual.



Notice!

The RFID tab is only displayed for RFID devices.

To configure the RFID options:

- First teach-in the RFID labels with the help of the device menu
 - \triangleright Configuration manual of the device
- Then enter the following values, from the result of the teach-in:
 - 1. Read / Write position
 - 2. Read power
 - 3. Write power
- When the RFID labels are protected, specify the access password (4), in order to be able to write data to them or modify their lock level.
- Change if necessary the other settings.
- ► Validate with the OK button.



Attention!

The read and write values depend on the consumable (label material, antenna shape and location). If different consumables are used, then it is

necessary to perform this configuration for each of them.

These specific configurations can then be saved in the document devices. ▷ 4.2.7 System devices / Document devices

4 Configuration

4.2.7 System devices / Document devices

When a document is printed, system device settings are automatically copied into it. During next printing these document settings are automatically recalled.

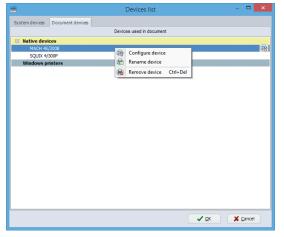


Figure 45 System / document devices list

Notice!

1

1

The System devices tab is only displayed in Expert mode. By default it is the Document devices tab which is displayed.



An already printed document will use the device settings saved into it. To change these settings, you have to change them in the device settings of this document and not in the system settings.

When a document device is deleted, the system device settings are again copied during next printing.

28 5 Use

5.1 New label creation

There are 3 possibilities to create a new label on the welcome page.

	Cablabel S3 Pro - Host Applicat	ion -	×
General Printer Spooler Designer			۵ 🔞
T Text Image: Constraint of the second sec	X Swiss 721 Al 3,00 ≎ m B I U E E Al 100 ≎ % Font		mm Align Arrange
Velcome page GSI-128.stc	Support		we identify more
Create a new layout	Recent files	ų	Productive formation from the filling in Advances of the filling in Advance
Wew label from wizard	 minter_parts_promptatc minter_parts.atc 	цц ц	SEC: Interview Backari Held David 19 mm - Backari Held Backari 19 mm - Backari Held Backari 19 mm - Backari Held Backari 19 mm - Backari 19 mm - Backari Held Backari 19 mm - Backari 19 mm -
Open a layout Open and modify Open and print Open a sample label 	齏 Variables plugin <i>s</i> tc 齏 cabPainting.stc	- File Cre Las	Image: constraint of the second sec
	Spooler NUM	Nb Dat Use	of objects 37 zabase No er Administrateur nputer D610

Figure 46 Welcome page

5.1.1 New blank label

- ▶ Click on the New label button to start the wizard.
- Set the information of your label and its layout.
- Click on the Next button.

I Label / paper	Lat	bel Creator Wizard	×
General Measuring unit Display name Description	mm Enter a label name here	Label columns 1 0 Label layout Label width 100,00 0	
Layout orientation Layout country	Portrait v 2 According to device v 2 2	Label height 50,00 Spacings Spacings Cap 3,00 t t	
		Next 🔹 🗶 Çancel	_

Attention! Label width (1) always corresp

always correspond to the printing width, regardless to its orientation.



Y

The layout country of label (2) is used for:

- the text language ▷ Hyphenation

- the datetime fields in regional format

▷ Datetime fields

- the printing of numbers with decimal separator

28

Figure 47 Label Creator Wizard

5 Use

5.1.2 New label using the wizard

The Label Creator Wizard allows you, for example, to create your label from a pre-defined format among many existing references.

	Label Creator Wizard	×
This wizard helps you cre Please select	ate a new label	
O New label		
New label from existing format		
O Duplicate an existing label	Clear label content	
	3	
		Next 🔹 🗶 Cancel

Material		Art. Nr		Width (mm)	Height (mm)		
M-Cot	e white paper					^	×
		5556471		40	20		
		5556472		54	35,5	_	
		5556473		68	58		
		5556475		89	36		
		5556477		100	42		
		5556884		100	80		
		5556478		110	68		
		5556450		157	112		
		5556489		210	149		
		5556491		148	210		:
		5556479		115	99		-
		5556480		100	150		:
		5556883		100	50	~	·
Recomman	nded ribbons						
Art. Nr	Ribbon name	Quality	Color	Width (mm)	Length (m)		
5556564	W41		Black	76	360		
5300304	W42		Black	76,2	360		
5556162	B110A		Black	76	360		
5556015	RW62		Black	76,2	360		

Figure 48 Label Creator Wizard for new labels



5.1.3 New label from an existing label

This option allows you to easily duplicate a label. You can choose to keep its content or only the label layout, the printing and databases settings.

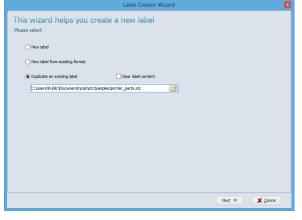


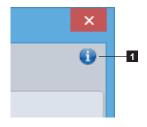
Figure 50 Duplicate a label

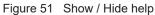
5.2 Inserting objects in the document

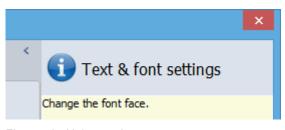
Notice!

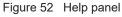
i

Different settings are available for the objects. They are described in the help panel on the right, which is hidden by default. You can display this panel by clicking on the "i" icon (1) at the top right of the object properties window.









5.2.1 Object settings

In the General tab you will find the general settings of an object.

	Text properties: editing Text4	~		
Object name JScript name Summary	Fill & outline Text Text4 Text4 Image: State of the state of			Attention! The object name (1) and the JScript name (2) are limited to 32 non special characters. They must also be unique on the label.
4 Height B,	Position Top 9,09 mm Left 19,40 mm 32 mm Bottom 12,41 mm Right 58,44 mm 90° 180° 270° Custom 9,0 0 0 0 0 !#99999		1	Notice! Depending on the object, some size and position settings (4) are calculated automatically or cannot be changed.

Figure 53 General settings of an object

1.	Name of the object to identify it in cablabel S3 (layers, datasource, etc.)	2.	Name used on printer for example in standalone mode
3.	Free text available for the user	4.	Size and Position of the objet in the label
5.	Rotation of the object	6.	Allows to format a number with decimal separator

5.2.2 Object Fill & outline

In this tab you will find the parameters related to the filling and outline of an object.

	Rectangle properties: editing Rectangle1	×	
	General 🔥 Fill & outline 📄 Picture 💼 Gradient	•	
12	Fill Color Color 3 Style Style Style 3 Use lightness Style 1 for printing Style 3		
5	Rectangle Rounded radius mm		
6	Color management		

Notice!

The option (2) extracts the lightness value from the fill color and convert it to corresponding dot density (0%, 6%, 12%, 25%, 38%, 50%, 100%). This allows to print a filled shape in grayscale.

The custom Color management for each object (6) is only displayed in Expert mode.

Figure 54 Fill and outline parameters of an object

1.	Fill color and style of the object	2.	Use the lightness of color
3.	Outline color and style of the object	4.	Outline width
5.	Specific parameters depending on the object type	6.	Custom color management for this object

5 Use

5.2.3 Inserting texts

To insert a text:

- ▶ Select the Text object in the toolbar > 3.2.1 Drawing toolbar
- Click somewhere in the label where you want to insert the object
- Enter the wished text in the edit field (1)
- Select the different options related to the text (2) such as font, size ...
- Validate by clicking on the OK button (9)

Your text		
– Label Printer A4+/200		 ▲
🔏 Font 👂 Keywords	🚭 Language Miscellaneous	
Font properties		
- Swiss 721	•	ÄÌ ^{4,00} € mm
BIUTN		AV 100 ★ %
3	4	- Multi line
Baseline 12,04	mm Force text height	Line spacing 0 🔷 %
	mm 5 Kerning	Max width 0,0 🗼 mm
Prefix 🛛 🗐 Undo	Ctrl+Z	
Suffix 🛛 😹 Cut	Ctrl+X	
Сору	Ctrl+C	
Paste	Ctrl+V	
Selec	: All Ctrl+A	
Chara	icter map	

Notice!

H

Move the mouse over the kerning (5) and the text (6) to get some ▷ Visual information about the font properties.

The Multi line options (7) allow you to set the display of a long text or with a dynamic content For more information. \triangleright Multi line and max width

It is possible to insert special characters in a visual form, by rightclicking (8) in an editable field of a text, a formula or a barcode. For more information

 \triangleright 6.4 Character map

5.2.3.1 Negative text

It is also possible to put a text in negative and to specify the size of the frame around this text. To do this:

- Enable the negative option by clicking on the button (3)
- Define the size of the frame by clicking on the button (4)

	Text frame	x
Frame Upward Downward Leftward Rightward	0,00	
C Reset	<u>✓ QK</u> X <u>C</u> ancel	

Figure 56 Text in negative

► Validate by clicking on the OK button

Height 3,00 mm 8,50 pt Lorem ipsum LineSpacing dolor sit amet,

5.2.3.2 Visual information about the font properties



Figure 57 Font properties

Figure 58 Kerning

Height \overrightarrow{Al} : size of font in mm	Squeeze $\stackrel{\text{AV}}{\longleftrightarrow}$: width of text in %
MaxWidth : max width of paragraph in mm	LineSpacing : line spacing for a paragraph in %
BaseLine : baseline for the characters in mm	Tracking $\overleftarrow{\mathbb{A}}$: letter spacing for the characters in mm

5.2.3.3 Highlighting keywords

You can highlight (bold, italic ...) automatically specific words in a sentence or a text (ex allergens). For this, cablabel S3 has a built-in list of pre-defined keywords containing the most common allergens in different languages. You can also create your own custom list of keywords. > 6.10 Keywords

When creating or editing a text:

- Select the Keywords (1) tab
- Enable the option Keywords formatting (2)
- Choose the type of settings to use (3)
- ► Validate by clicking on the OK button

For specific settings:

- Select the wished language(s) from the dropdown list (3)
- Select the type of formatting (bold, italic...) (4)

Text properties: editing Text4
Seneral STIL & Outline Text
Your text
Label Printer A4+/200
p v v v v v v v v v v v v v v v v v v v
✓ Keywords formatting
Use global settings
O Use own settings
Languages User
B I U Aa AA Color
4

1

Attention! If the option Keywords formatting (2) is used, the text object is sent to the printer as a picture.

Figure 59 Keywords formatting

5 Use

1

5.2.3.4 Text tags

The tags allow you to change manually the formatting of a text part. They often work in pairs, with an opening tag and a closing tag, and they can also overlap.

Attention!

If text tags are used, the text object is sent to the printer as a picture.

Text properties: editing Text2	×
🐑 General 👌 Fill & outline 🕇 Text 🗧 Datasource	0
Your text Lorem ipsum dolor sit amet, <1>consectetur adipiscing elit 1 , sed do <8>eiusmod <1> <u>tempor</u> 1	^
incididunt ut labore et dolore magna aliqua.	

Lorem ipsum dolor sit amet, *consectetur adipiscing elit*, sed do **eiusmod <u>tempor</u> incididunt** ut labore et dolore magna aliqua.

Figure 61 Result on printout

Figure 60 Text with tags

Opening tag	Closing tag	Description
		Bold
< >		Italic
<u></u>		Underline
<f></f>		Empty frame around the characters
<color="#rrggbb"></color="#rrggbb">		Characters color with the value of the color in hexadecimal format (rr, gg, and bb from 00 to FF)
<upper></upper>		Converts the characters to uppercase letters
<lower></lower>		Converts the characters to lowercase letters
<bkg="#rrggbb"></bkg="#rrggbb">		Full frame around the characters with the filling color in hexadecimal format (rr, gg, and bb from 00 to FF)
<inv></inv>		Characters in negative
<size="h"></size="h">		Size of font with the height h in mm
<align="left"></align="left">		Aligns the characters of a line to the left of the text area
<align="center"></align="center">		Aligns the characters of a line to the center of the text area
<align="right"></align="right">		Aligns the characters in a line to the right of the text area
 		Inserting a line break

Table 2 Tags list

33

34 5 Use

5.2.3.5 Hyphenation

When creating a text, you can select to enable or not the word hyphenation at end of line in a paragraph with a maximum defined width.

When creating or editing a text:

- Select the Language tab (1)
- Select the language for the text in the list (2)
- Enable / disable Hyphenation by clicking on the checkbox (3)
- ► Validate by clicking on the OK button

Text properties: editing Text4	×		
💱 General 💩 Fill & outline T Text 📄 Datasource	0		Notice!
Your text		6	The text language (2) is
Label Printer A4+/200	^ \$		selected by default:
p	•		- first depending on the layout country of label
			\triangleright New blank label
Text language English V			 or else depending on the application language ▷ Global settings
Hyphenation 3			

Figure 62 Hyphenation

5.2.3.6 Interpretation of Unicode syntax

When creating a text, you can select to enable or not the interpretation of Unicode syntax, for the characters entered manually or inserted from the character map.

If checked, the [U:x] syntax is directly interpreted, in order to see in cablabel S3 the rendering of Unicode characters, as they will then be reproduced on printout or with a barcode reader.

Attention!

Y

Depending on the characters, it is sometimes necessary to disable the interpretation. For example using a text object containing a carriage return as a datasource for a barcode.

When creating or editing a text:

- Select the Miscellaneous tab (1)
- Enable / disable Interpretation of Unicode syntax by clicking on the checkbox (2)
- Validate by clicking on the OK button

Text properties: editing Text1	×
🕃 General 👌 Fill & outline 👖 Text 🥃 Datasource	0
Your text	
cab[U:CR]we identify more	^
1	
	<u> </u>
A Font Skeywords 😫 Language Miscellaneous	
✓ Interpretation of Unicode syntax	

With interpretation:

we identify more

Without interpretation: cab[U:CR]we_identify more

Figure 63 Interpretation of Unicode syntax

5 Use

5.2.3.7 Multi line and max width

By default a text without carriage return is always displayed on a single line. A long text or with a dynamic content, requires then a fixed paragraph width.

To define a paragraph width:

- Select the Font tab (1)
- ▶ Increase / Decrease the Line spacing (2) which is specific to each font
- ▶ Specify the Max width of paragraph (3) at which a line break will then automatically be done

Text properties: editing Text3	0		Attention!
General Image: Text Image: Datasource Your text Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididur aliqua. Image: Image: Text Image: Text Image: Image: Image: Text Image: Text Image: I		2	Attention: The automatic line break does not work in standalone mode, because each line of a paragraph is sent individually to the printer. And if the contents of the paragraph is dynamic, the text object is sent to the printer as a picture.
Baseline 48,83 ♀ mm Force text height Tracking Aw ● * Move the mouse here over to get some font information *	ne Line spacing 0 🔷 % Max width 30,0 🖨 mm	2	

Figure 65 Multi line

It is also possible to use the max width options:

- Select the Miscellaneous tab (4)
- Enable the option Reduce font size (5) to reduce automatically the size of text, as long as it exceeds the Max width of paragraph (3).
- And when the Minimum size limit (6) is reached, a line break is then done.
- Enable the option Truncate (7) to cut the characters beyond the Max width of paragraph (3) and to not do a line break
- Validate by clicking on the OK button

👸 General 🛛 👌 Fill & outline 🏾	Text Datasource	0
Your text		
Lorem ipsum dolor sit amet, consectet aliqua.	ur adipiscing elit, sed do eiusmod tempor incidi	dunt ut labore et dolore magna 🔥
	4	~ ·
🔏 Font 🔎 Keywords 📮 Lan	guage Miscellaneous	
✓ Interpretation of Unicode syn	tax	
Max width options		
Reduce font size	Minimum size 1,50 🚔 mm	6
Truncate		



If the option Reduce font size (5) is used, the text object is sent to the printer as a picture.

Notice!

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It is possible to combine the Reduce font size (5) and Truncate (7) options. In this case, the text is first reduced until the minimum size, then truncated if it still exceeds the max width of paragraph.

Figure 66 Max width options

36 5 Use

5.2.4 Inserting pictures

To insert a picture:

- ▶ Select the Picture object in the toolbar ▷ 3.2.1 Drawing toolbar
- Click somewhere in the label where you want to insert the object and draw the frame containing the picture at the required size
- Select a picture file (1) on your computer
- Validate by clicking the Open button (2) to insert the object

Irganize 🔻 New folder			S ▶ Complete	✓ C Search Complete	
				8==	•
퉬 Users	^ Name	Date modified	Туре	^	
鷆 cab	4.3a.svg	11/12/2019 2:11 PM	SVG Document		
🍌 Default	🥘 5.1.svg	11/12/2019 2:12 PM	SVG Document		
Public	🦲 5.2.svg	11/12/2019 2:12 PM	SVG Document		
Libraries	5.2a.svg	11/12/2019 2:13 PM	SVG Document		
퉬 Public Desktop	🥘 6.1.svg	11/12/2019 2:13 PM	SVG Document		
Public Documents	🕘 8.svg	11/12/2019 2:14 PM	SVG Document		
퉬 cab	acid.svg	11/12/2019 2:14 PM	SVG Document		
鷆 stc	bottle.svg	11/12/2019 2:15 PM	SVG Document	5 7	
🌗 Designer	exclam.svg	11/12/2019 2:15 PM	SVG Document		
🌗 Gallery	axplos.svg	11/12/2019 2:16 PM	SVG Document		
鷆 Conformity	🖉 flamme.svg	11/12/2019 2:16 PM	SVG Document		
🔒 GHS	Ø pollu.svg	11/12/2019 2:18 PM	SVG Document		
鷆 Complete	Fondflam.svg	11/12/2019 2:18 PM	SVG Document		
🍑 Partial	ilhouete.svg	11/12/2019 2:20 PM	SVG Document	Width: 720 Height: 720	
鷆 Other	Skull.svg	11/12/2019 2:20 PM	SVG Document	vidan. 720 Height. 720	
📗 Packaging	v <			>	
File name: flamm	ne.svg			 All graphics (*.svg;*.dxf; 	;*.dwg;*
				Open	Cancel

You can edit the properties of the picture to adjust various parameters, for this:

- ▶ Right click on the previously inserted picture and select Properties or double click on the picture
- Adjust the different parameters

	Picture properties: editing Image1					
	🐑 General 🔬 Fill & outline 🔚 Picture 😂 Datasource	0				
1	- Filename [:::Users'Public'/Documents',cab',stc'/Gallery',GHS',Complete',flamme.svg 🗱					
	Image: Picture style Stretch					
	Callery					
2	Vector picture properties Show margin ✓ Show line weight Draw mode					
	Normal V Line weight scale 1					

Notice!

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It is possible to use in the filename (1) the environment variables of Windows. For example %PUBLIC% instead of C:\User\Public. The vector picture properties (2) are only

used for some vector pictures, as for example DWG, DXF, PLT, SVG.

Figure 68 Picture properties

5 Use

5.2.5 Inserting graphical objects

To insert a graphic:

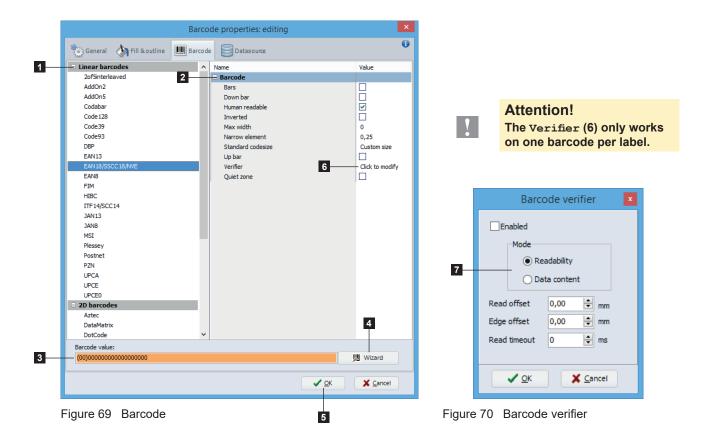
- ▶ Select the graphical object (line, rectangle...) in the toolbar ▷ 3.2.1 Drawing toolbar
- Click somewhere in the label where you want to insert the object and draw the graphic
- Click again to insert the object

5.2.6 Inserting barcodes

It is possible to select between many type of linear (1D) and two-dimensional (2D) barcodes.

To insert a barcode:

- Select the Barcode object in the toolbar > 3.2.2 Special toolbar
- Click somewhere in the label where you want to insert the object
- Select barcode type (1)
- Set its properties (2)
- Specify a fixed value by using the input mask (3) or, depending on the barcode type, use the barcode wizard (4)
 6.6 Barcode wizards
- Validate by clicking the OK button (5)



Attention!

The properties (2), the input mask of the barcode value (3), the wizard (4) or the Mode of the verifier (7) are depending on the selected barcode type.

You can edit the properties of the barcode to adjust other parameters, for this:

- Right click on the previously inserted barcode and select Properties or double click on the barcode
- Adjust the different parameters

38 5 Use

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5.2.7 Inserting datasource

Notice!

Most of special objects are composed of two elements: the object itself acting as a datasource and a linked text taking resulting content.

5.2.7.1 Prompt fields

A prompt field allows the user to enter data before printing without modifying the layout. To insert a prompt field:

- Select the prompt field object > 3.2.2 Special toolbar
- Adjust the different parameters

There are two types of prompt fields (2) :

- Standalone: the prompt is asked for on the printer's display and the user fills it directly on the printer.
- · Formular: the user fills the prompt in the software, before the printing starts or in the prompt list.

		Prompt variable p	roperties	×
	General EDatasouro	2		0
1	Active			
	Туре	Standalone v	2	
	Prompt text	Enter your prompt text here	3	
	Default value	Prompt	Choice list 4	
	Display if empty value	Prompt	5	
	Input length	0	5	
	Input mask		7	
	Repeat each	0 iabel(s)	8	
9 10 11	Delete previous input value			
10	Repeat with each ask for o			
11—	Repeat if record not found			
12		Compound prompts		
			✓ <u>OK</u> X <u>C</u> ance	
	Figure 71 Pro	mpt field	42	
			13	

- Activate / deactivate the prompt field
 Type of prompt field
- 3. Prompt text displayed to the user for the input
- 4. Optional value proposed to the user, with the possibility to create a choice list \triangleright page 39
- Text displayed only in the software, if there is no default value or current value. This text is necessary to place and to set the prompt field in the label.
- 6. Length of the input line (0 = no length limitation)
- 7. Filters the input values. This is useful to avoid the input of wrong values ▷ page 39
- It will be asked again for this prompt each "n" labels in standalone mode (0 = it will be asked for this prompt only at the beginning of the print job)
- 9. Deletes the input value between repeated prompts
- 10. It will be asked again for this prompt at each iteration in standalone mode during a printing loop
- 11. It will be asked again for this prompt, if no record could be found in a database connected in standalone mode
- 12. Edit the Compound prompts list ▷ 6.5 Compound prompts
- Validate by clicking on the OK button (13)
- Click somewhere in the label where you want to insert the object

Layers P			
0	* *		
🧟 🧭 ا	layer1		
**	Prompt1: Value1		
Text1: Value1			
W Prompt2: Value2			
8	Text2: Value2		
With Prompt3: Value3			
8	Text3: Value3		

Figure 72 Layers

rompt list	Д	X
Prompt1 ?		
Value: Value1		
Display value: Value 1		
Prompt2 ?		
Value: Value2		
Display value: Value2		
Prompt3 ?		
Value: Value3		

Figure 73 Prompt list

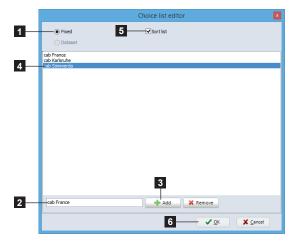
Notice!

The display of several prompts, is ordered according to their positions in the layers.



Attention!

Depending to their embedding, in for example a formula or a query, the order will be defined automatically. Choice list with fixed content



- 1. Select the Fixed list type
- 2. Enter the text to add to the list
- 3. Click the ${\tt Add}$ button to add the text to the list (4)
- You can also choose to Sort the list (5) alphabetically
- 5. Validate by clicking on the OK button (6)

Figure 74 Fixed choice list

Notice!

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When the type of prompt field is set to Standalone, the operation will depend on the printer model. Only printers with touchscreen support this feature.

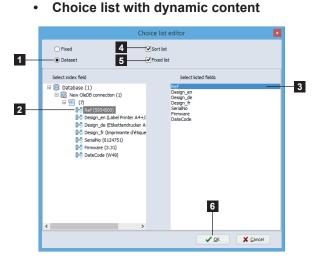
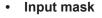


Figure 75 Dataset choice list



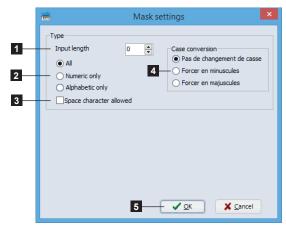


Figure 76 Mask settings

When the type of prompt field is set to Formular, it is possible to select a choice list with a dynamic content from a dataset of a database.

- 1. Select the Dataset list type
- 2. Select the index field, used for the search and the positioning
- 3. Select the listed field(s), with at least the index field
- 4. You can also choose to Sort the list alphabetically
- 5. The user can enter other data than those listed by disabling Fixed list
- 6. Validate by clicking on the OK button
- 1. Length of the input line (0 = no length limitation)
- 2. Type of allowed character
- 3. Allow or not the space character
- 4. Type of allowed case
- 5. Validate by clicking on the OK button



Notice!

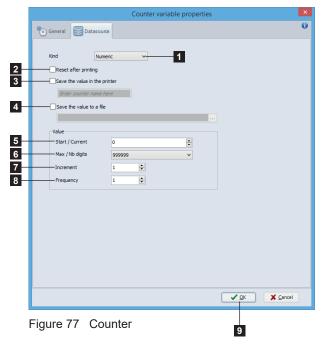
For a prompt field of Formular type, the input value is automatically converted to the selected case type (4).

40 5 Use

5.2.7.2 Counter

A counter allows to create an automatic counting during printing. To insert a counter:

- ▶ Select the counter object ▷ 3.2.2 Special toolbar
- Adjust the different parameters



- 1. Kind of counter, numeric, alphabetic, alphanumeric or hexadecimal.
- 2. After printing, the counter is reset to its start value.
- The current counter value is saved on the memory card of printer. Allows for example to continue the counting on multiple print jobs in standalone mode.
- The current counter value is saved to a file on the computer. Allows for example to continue the counting on multiple print jobs from different computers.
- 5. Start value, then current value of the counter.
- 6. Maximum value of the counter and number of digits for the text mask. The counter will restart at 0 after reaching this value.
- 7. Increment value which can be positive or negative
- 8. Number of labels to print between each increment

- Validate by clicking the OK button (9)
- Click somewhere in the label where you want to insert the object

Attention!

Y

The option Save the value in the printer (3) only works on one counter per label.

If the saved value is used directly on the printer (for example using it as a datasource), the result is printed by default with 2 digits after the comma. To change this, you have to use instead the formatted text from the counter \triangleright 5.2.1 Object settings, or to add a Formatting operation \triangleright 5.2.7.4 Formula.

5 Use

5.2.7.3 Datetime fields

A datetime field allows to do a timestamp during printing. To insert a datetime field:

- Select the datetime object > 3.2.2 Special toolbar
- Adjust the different parameters

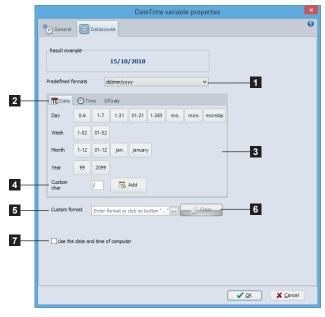


Figure 78 Datetime field

Date parameters:

- d: numeric day in 1 or 2 digits, 1-31
- dd: numeric day always in 2 digits, 01-31
- dd2: first 2 letters of day in regional format (ex: th for thursday)
- ddd: first 3 letters of day in regional format (ex: thu for thursday)
- dddd: complete weekday name in regional format (ex: thursday)
- d1: numeric day of the year always in 3 digits, 001-366 (ex: 045 for the 14th of february)
- w or ISOWDay: numeric day of the week in ISO standard format, 1-7 with 7 for sunday
- w0: numeric day of the week, 0-6 with 0 for sunday
- ww: numeric week in 1 or 2 digits, 1-53
- ww2: numeric week always in 2 digits, 01-53
- m: numeric month in 1 or 2 digits, 1-12
- mm: numeric month always in 2 digits, 01-12
- mmm: first 3 letters of month in regional format (ex: Jan for january)
- mmmm: complete month name in regional format (ex: January)
- yy: numeric year in 2 digits
- yyyy: numeric year in 4 digits
- Date: date with separators in regional format
- ISODate: numeric date in ISO standard format (ex: yyyymmdd)
- ISOOrdinal: numeric date in ISO ordinal format (ex: yyyyd1)

Notice!

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The weekday name, the month name and the date with separators in regional format, will be printed depending on the layout country of label or the country of device > 5.1.1 New blank label.

- 1. Select the wished datetime format from the list of predefined formats
- 2. Tabs of date, time and offsets parameters
- 3. Wizard to create a custom datetime format or datetime offsets
- Allows to insert a char in the custom format, which can for example be used as a separator.
 Enter wished char in the editable field, and click on the Add button to insert it.
- 5. Allows to define or modify a custom format, either:
 by using the wizard in the date / time tabs.
 by entering in the editable field the different date / time parameters listed below.
 by clicking on the "..." button to select a datasource containing the date / time parameters.
- 6. Deletes the custom format or the link to datasource
- Use the computer's clock instead of the printer's clock. If checked, the datetime fields will not be updated in standalone mode.

Time parameters:

- H12: numeric hour in 12-hour form in 1 or 2 digits, 1-12
- H012: numeric hour in 12-hour form always in 2 digits, 01-12
- H24: numeric hour in 24-hour form in 1 or 2 digits, 0-23
- hh or H024: numeric hour in 24-hour form always in 2 digits, 00-23
- nn: numeric minutes always in 2 digits
- ss: numeric seconds always in 2 digits
- XM: am/pm indicator
- ISOTime: numeric time in ISO standard format (ex: H024nnss)
- Time: time with separators in regional format, depending on the layout country of label or the country of device (ex: H024:nn:ss for UK, H012:nn:ss XM for US) > 5.1.1 New blank label

		DateTime variable properties	×
	General EDatasource		0
	Result example 15/10/	/2018	
	Predefined formats dd/mm/yyy	ry 🗸	
8	📆 Date 🎯 Time Offsets		
9	Minutes Seconds Day Month Year Week	rype © Fixed Datasource Value 0 10 11 11 3dc on button "" Clear	
		12 V QK X Sencel]

- It is possible to create datetime offsets, with a fixed increment or from a datasource.
 - 8. Select the Offsets tab
 - 9. Select the wished offset(s)
 - 10. Choose the type of increment for each offset
 - 11. Specify the value or the datasource

Figure 79 Datetime offsets

- Validate by clicking the OK button (12)
- Click somewhere in the label where you want to insert the object

5.2.7.4 Formula

A formula allows to do an operation between two or more operands, as for example a calculation. To insert a formula field:

- ▶ Select the formula object ▷ 3.2.2 Special toolbar
- Adjust the different parameters
- Validate by clicking the OK button (8)
- Click somewhere in the label where you want to insert the object

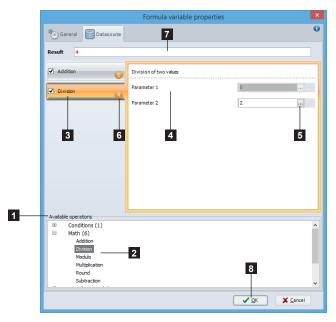


Figure 80 Formula

You can access different options when right-clicking on the operands:

1		<u>A</u> dd new parameter
2		<u>D</u> elete parameter
3		Move previous argument up
4		- Move previous argument down
5		- D <u>e</u> lete operation
6	- 🕇	Move operation up
7	•	Move operation down

Figure 81 Formula properties

Adds a new parameter to the formula (depends on the

- 2. Delete the selected parameter of the formula
- 3. Move the result of previous operation up
- 4. Move the result of previous operation down
- 5. Deletes the selected operation

To add an operation:

the list (3).

▷ Figure 81

formula)

▷ Table 3 Operation list.

operations are displayed.

Validate with the OK button (8).

Select the operation type in the list (1)

It is possible to combine more operations.

Double-click on the selected operation (2) to add it to

the editable field or by selecting a datasource (5).

Redo previous steps to add another operation.

Intermediate result (6) and final result (7) of the

Fill in the operands (4), either by entering a fixed data in

By right-clicking, it is possible to add or delete operands (depending on the operation) or even to change their order. The same applies to ordering the operations.

Only if there are several operations:

- 6. Move the selected operation up
- 7. Move the selected operation down

44 5

Operation	Category	Description
If Else	Conditions	Returns the specified value if the parameter meets the condition
Addition	Math	Addition of two or several values
Division	Math	Division of two values
Modulo	Math	Modulo of two values
Multiplication	Math	Multiplication of two or several values
Round	Math	Rounds the value If round. position is negative the value is rounded after the comma
Subtraction	Math	Subtraction of two or several values
Base to base	Miscellaneous	Converts the value from one numeral system to another
Formatting	Miscellaneous	Allows to format a number with decimal separator
Hex	Miscellaneous	Converts each character of source to its hexadecimal code point from code page
Split	Miscellaneous	Extracts an element from a list with group separators at index position (starting at 1)
Trim	Miscellaneous	Removes whitespace characters at the beginning and end of the string
Trim left	Miscellaneous	Removes whitespace characters at the beginning of the string
Trim right	Miscellaneous	Removes whitespace characters at the end of the string
Modulo 10	Check digits	Calculates the check digit of parameter according to modulo 10 Used for example by a barcode EAN13
Modulo 36	Check digits	Calculates the check digit of parameter according to modulo 36
Modulo 43	Check digits	Calculates the check digit of parameter according to modulo 43 Used for example by a barcode Code39
ReadTMP	Standalone	Reads the value stored in the TMP file of memory card
ReadUSER	Standalone	Reads the value stored in the user memory of printer (max. 32 bytes)
WriteLOG	Standalone	Writes the specified value in the LOG file stored on memory card
WriteTMP	Standalone	Writes the specified value in the TMP file stored on memory card
WriteUSER	Standalone	Writes the specified value in the user memory of printer (max. 32 bytes)
Concat	String	Concatenation of two or several parameters
Left	String	Return x characters starting from the left of the string
Len	String	Calculates the length of string
Lowercase	String	Converts the characters of parameter to lowercase letters
Mid	String	Return x characters starting from the specified position
Right	String	Return x characters starting from the right of the string
	String	Converts the characters of parameter to uppercase letters

Table 3 Operation list

Notice!

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Operations of the category Standalone files, can only be added once per label.

Attention!

If an operation of the Math category is calculated directly on the printer (for example using operands from a datasource), the result is printed by default with 2 digits after the comma. To change this, you have to add a Formatting operation.

The operations ReadTMP and WriteTMP don't work, if the option Save the value in the printer is already used on a counter in the label \triangleright 5.2.7.2 Counter

5 Use

5.2.7.5 Variables

Allows you to insert different variable information in your label.

To add a variable:

- ▶ Insert for example a text object > 5.2.3 Inserting texts
- Select the Datasource tab
- Select the wished variable in the Variables section (1)
- ► Validate by clicking the OK button (2)

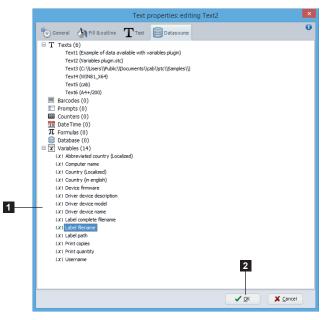


Figure 82 Variables

Variable	Description
Abbreviated country (Localized)	Returns the abbreviated country set in the operating system
Computer name	Returns the computer name
Country (Localized)	Returns the country set in the operating system
Country (in english)	Returns the english name of the country set in the operating system
Device firmware	Returns the device firmware
Driver device description	Returns the device description defined in the driver
Driver device model	Returns the device model defined in the driver
Driver device name	Returns the device name defined in the driver
Label complete filename	Returns the label full path and filename
Label filename	Returns the label filename
Label path	Returns the label path
Print copies	Returns the value of the field "Copy of each" specified in the print dialog
Print quantity	Returns the value of the field "Number of labels" specified in the print dialog
Username	Returns the currently logged username

Table 4 Variables list

46 5 Use

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5.2.7.6 RFID data (read)

Allows you to create the objects to read the data of an RFID label.

Notice!

The data read by the RFID device, are only visible on printout or directly in the device menu after printing.

To create an RFID reading object:

- ▶ Insert for example a text object > 5.2.3 Inserting texts
- Select the Datasource tab
- Select the wished data in the RFID (read) section (1)
- ► Validate by clicking the OK button (2)

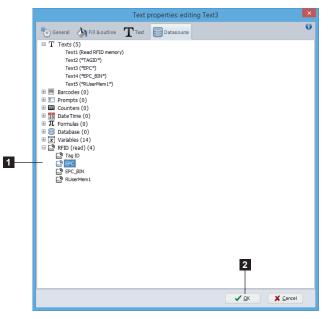


Figure 83 RFID data (read)

RFID data (read)	Description
Tag ID	Read the TID memory (Tag Identification)
EPC	Read the EPC memory
EPC_BIN	Read the EPC memory as binary
RUserMem1	Read the area defined by default in the user memory

Table 5 RFID data list



Notice!

"RUserMemX" is the name assigned by default to the read areas in the user memory.

The areas of the user memory can be defined in the RFID wizard

 \triangleright 6.11.2 Configure the reading and writing of user memory.

5 Use

5.2.7.7 Database

Before inserting a database field, you have to create the connection to this database. > 3.2.7 Database toolbar and 6.8 Database wizard

To insert a database field:

- Insert for example a new text, barcode or picture ►
- Select the Datasource tab
- Under Database, select the wished field (1) ►
- Validate by clicking on the OK button (2)

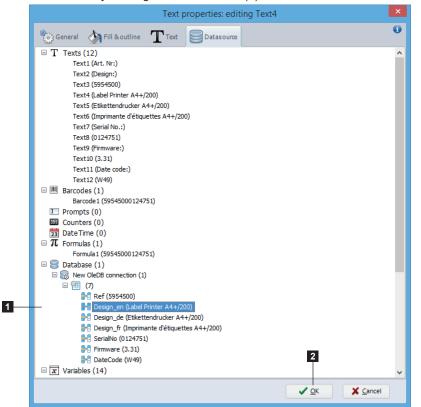
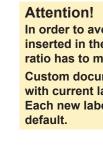


Figure 84 Datasource tab

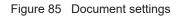
5.3 **Document settings**

Document settings are available under the Display options button in the Designer ribbon. You can change the view options of the software, as well as the custom settings of current label, like grid, style, colors and background.

			Documer	it settings	×
View	Ceneral	Grid Grid	Object	Background	Fill & outline
✓Laye	ers				
Layo	out inspector				
	ector				
Pror	npt list				
L					
					✓ QK X Cancel



In order to avoid deformation of the picture inserted in the background, its dimension ratio has to match with the label size ratio. Custom document settings are only saved with current label. Each new label will get the global settings as



5.4 Label printing

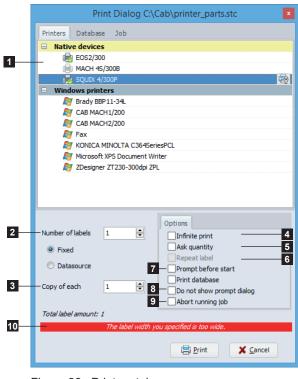


Figure 86 Printers tab

The Print button in the general ribbon allows you to print your label.

- Click on the Print button to open the print dialog
- In Printers tab, select the printer where to print the label (1)
- Either change wished quantities, by indicating a fixed Number of labels or from a datasource (2), and if necessary with the Copy of each label (3)
- Or use the option Infinite print (4) or even the option Ask quantity on the printer (5) with the possibility to Repeat label (6) after printing to create a loop
- It is also possible to use the option Prompt before start on printer (7), the option Do not show prompt dialog (8) for the prompt field of Formular type or even the option Abort running job on printer (9)
- Validate with the Print button

Notice!

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During printer selection, if Expert mode is enabled in the Global settings, a warning message is displayed when the label is out of the printing range (10).

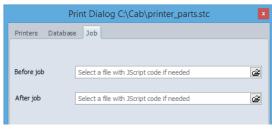


Figure 87 Job tab

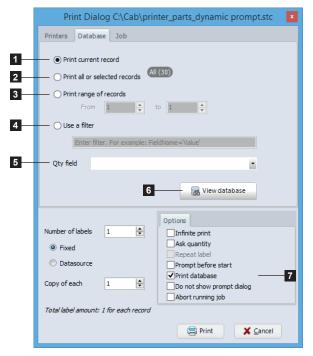


Figure 88 Database tab

The Job tab allows to send files with JScript code, to run on printer before or after printing a label.

These files can be generated using the upload window (memory card) \triangleright 5.5.1 Saving to a printer, a card reader or a file.

In the ${\tt Database}$ tab, it is possible to select the wished records to print.

- 1. Print only the current record on which you are positioned
- 2. Print all records from the database or from the custom selection
- 3. Print records from selected range
- 4. Create a filter manually. For example: FieldName='Value'
- 5. If specified in the database, define the field with the printing quantities, which are then be used by default in the overview of database.
- Overview of database with a filter builder wizard, in order to do a custom records selection and set the printing quantities ▷ Figure 89

Attention!

In order to access to the different selections, you need first to define a database connection, then check the box Print database (7) in the printing options. 50 5 Use

	🖮 Database print - 🗆 🗙							
—Drag a col								
S elect	Qty	Ref	Design_en	Design_de	Design_fr	SerialNo	Firmware	DateCo
	1	5954500	Label Printer A4+/200	Etikettendrucker A4+/200	Imprimante d'étiquettes A4+/200	0124751	3.31	W49
-	5	5954501	Label Printer A4+/300	Etikettendrucker A4+/300	Imprimante d'étiquettes A4+/300	0126564	3.31	W50
-	-1	5550176.001	PCB CPU X3	Leiterplatte CPU X3	CPU X3	170111256407	4.13	W20
	1	5551118.001	PCB CPU X2 2G	Leiterplatte CPU X2 2G	CPU X2 2G	155124772576	3.29	W42

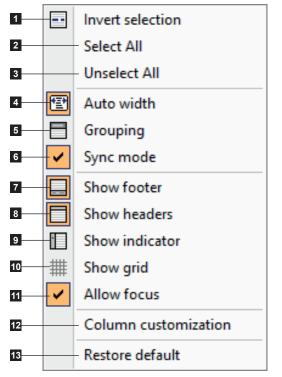
By viewing the database it is possible to filter and select the records to be printed with their quantities.

Figure 89 Printing a database

1.	Field grouping by dragging headers in this part
2.	Field names with order and filter possibility
3.	Records selected for printing
4.	Quantity of labels to print for the selected record
5.	Number of records selected for printing
6.	Navigating through records on the database
7.	Custom filter wizard

1.

Some specific options are accessible by a right mouse click in the table:



2. Select all records for printing

- 3. Deselect all records for printing
- 4. Automatically adjust column width
- 5. Show / hide the panel for grouping by fields

Invert the selected records for printing

- 6. Synchronize the label with the selected record
- 7. Show / hide footer
- 8. Show / hide headers (field names)
- 9. Show / hide the positioning indicator
- 10. Show / hide the grid
- 11. Allows the focus on columns to enable the incremental search with the keyboard
- 12. Show / hide column customization
- 13. Restore default settings

Figure 90 Database viewing and printing options

5 Use

1

5.4.1 Printing on a two color printer

When printing a label on a two color printer (for example XC4 or XC6), the printer driver will automatically send objects defined in black color to second printhead (main color) and all objects defined with another color than black to first printhead (secondary color).

For more information about the printhead allocation \triangleright Printer operator's manual.

Attention!

When using a picture the colors will automatically be sent to the right printhead depending on the settings set in the color management window.

More information about \triangleright page 23 Color management

5.4.2 Printing on a double sided printer

To print a label on a double sided printer (for example XD4), the label width needs to be defined as the double of the real width.

First half of the label matches with the back (verso) of the label and the second half with the front (recto).

For more information \triangleright Printer operator's manual.

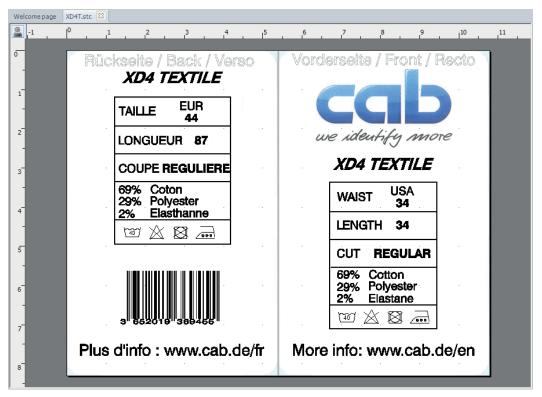


Figure 91 Double sided label

52 5 Use

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5.5 Save a label on a memory card

The Save to memory card **button** in the general ribbon allows you to export your label to a memory media (SD/Compact Flash card, USB memory stick, internal memory IFFS...) to use it in standalone mode.

5.5.1 Saving to a printer, a card reader or a file

- Click on the Save to memory card button to open the upload window.
- Select the printer model where you want to export the label (1).
- Select the target Card reader, File or Printer (2).

Notice!

As during an export to a printer, the Card reader target generates a JScript file, then copy it with the files of graphic fonts and of pictures objects from layout, by placing them in their respective folders. This allows to upload the labels to a memory media plugged directly to your computer, without the need of connecting to printer.

The File target generates a single JScript file, by including in a binary form the fonts and images. This file could for example be sent to a printer with a programmable controller, as well as with the Job tab of the print dialog. \triangleright Figure 87 Job tab

Depending on chosen target, select its location (3).

Notice!

The listed memory card locations are depending on the printer model. The Default location is the location selected in the printer menu. If another location is selected please ensure that it is present.

- Enter a file name (4), select the number of labels (5) and the wished options.
- ► Validate with the OK button.

	Upl	oad 🗾 🔀
	Printers	
	Select printer	Target
	Native devices	and the second se
	🖶 EOS2/300	O Card reader
_	ACH 4S/300B	O File
1	🚽 🛃 SQUIX 4/300P	Printer
		2
	Select card location	
3	- Default -	
	Filmen airtea	Options
4	Filename printer_	Infinite print
_	Display name Enter display name here	Ask quantity
5	Number of labels 1	Repeat label
_	Fixed	No print 6 Generate Replace template 7
	8-	✓ Check for existing fonts or images
	© Datasource 9	Repeat last file content
	10-	→ Force font upload for all texts
	Total label amount: 1	
		✓ <u>O</u> K X <u>C</u> ancel

Figure 92 Save a label on a memory card

Notice!

By default the label is also printed after the upload. The option No print (6) allows to disable this.

The option Generate Replace template (7) allows to create a template of a "Replace" file in the selected folder, from the uploaded label.

The option Check for existing fonts or images (8) allows to not resend font or image, if it can be found locally on the device (increasing data transfer speed).

The option Repeat last file content (9) allows to create a loop. So the printed label will be repeated continuously.

The option Force font upload for all texts (10) is only displayed in Expert mode. If disabled, each text object containing a graphic font, is sent to the printer as a picture.



Figure 93 Database tab

Configuration example for the standalone mode:

B	Datasource configuration	×	
Database configuration	OLE DB / ODBC databases connections	🚺 Help	
Access connection	StandaloneConnection	4 connection types can be defined: • Access database connection (printing through the software) • Excel file connection (printing through the software) • OLE DB connection (printing through the software) • Database Connector (printing in standabone mode) Warning: the Excel	
OLE DB connections	Connection string Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Cab\Devices.mdb;Persist Securit LabelData (DS1) Description de la source de données	spreadsheet does not have all features of a database. - First select the connection type you want to use and click on the link "Add a connection " - Click on the button "" to select the file to use or start	_
	SELECT Ref,Design_en,Design_de,Design_fr,SerialNo,Firmware,DateCodeFROM PARTSWI 30 Command timeout (in s) Image: StandaloneData (DS2)	the connection string wizard. The connection string depends on the connected database. For more information see the documentation of the database. - After connection string definition, create a data source by clicking on the	_
	Description de la source de données SELECT Ref,Design_en,Design_en,Design_fr,SerialNo,Firmware,DateCodeFROM PARTS 30 Command timeout (in s)	button "" to start the query builder wizard. - Validate with the OK button.	

Figure 94 Database wizard

- 1. Connection name used to generate the data file in standalone mode.
- 2. Query for the data used by the objects of the label. This also contains a selection filter (SQL keyword WHERE), to extract only the data matching to one record, entered by operator in a prompt field of Standalone type.
- 3. Query to select all the data to be transferred in standalone mode. This is necessary in this example, because the first query is filtered on a record.

In the Database tab, it is possible to upload the contents of a database in standalone mode. This will transfer the data from the datasources created in the label with the database wizard.

(only starting from X4 CPU)



Notice!

In order to access this tab, you need first to define a connection of type Access, Excel or OLE DB \triangleright 6.8 Database wizard.

The data transferred in standalone mode are saved in a SQLite file.

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5.5.2 Saving in a database

Notice!

Database saving target is only available if a connection to a database exists. It is this connection that will be used to list the fields.

A label saved in a database can be edited or modified \triangleright 6.9 Layout table management

- Click on the Save to memory card button to open the upload window
- Select the printer model where you want to export the label (1).
- Select the target Database (2)
- Select the table of the database (3)
- Select the field that will contain the label filename (4)
- Select the field where the label will be stored (5)
- Select the upload options (6) if you want to store fonts and pictures, these may already be present in the printer (saving space and increasing data transfer speed).
- Enter a file name (7), select the number of labels (8) and the wished options (9).
- Validate with the OK button to save the label in the database

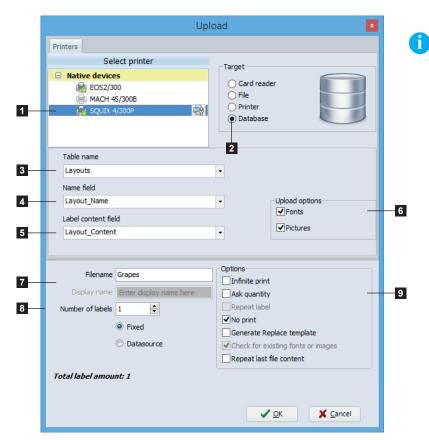


Figure 95 Saving a label in a database

Notice!

It is first necessary to create in the table (3) of target database the following fields:

- a field named "ID", defined as primary key, with an automatic increment
- a field of type text, for the label filename (4), such as "Text" with Access or "varchar(255)" with SQL
- a field of type BLOB, to store the label (5), such as
 "OLE Object" with Access or
 "varbinary(max)" with SQL

5 Use

5.6 Keyboard shortcuts

Keys	Description	Plugin
Ctrl+A	Select all	Designer
Ctrl+A	ASCII dump mode	Spooler
Ctrl+B	Insert barcode	Designer
Ctrl+B	Press the acknowledgment button of peripheral	Spooler
Ctrl+C	Сору	Designer
Ctrl+C	Reset printer	Spooler
Ctrl+E	Send email to cab support	Global
Ctrl+F	Format memory card	Spooler
Ctrl+I	Insert picture	Designer
Ctrl+L	Insert line	Designer
Ctrl+N	Create new label	Global
Ctrl+O	Open file	Global
Ctrl+P	Print	Global
Ctrl+R	Restart printer	Spooler
Ctrl+S	Save	Global
Ctrl+T	Insert text	Designer
Ctrl+V	Paste	Designer
Ctrl+W	Close current label	Global
Ctrl+X	Cut	Designer
Ctrl+Z	Undo	Designer
Ctrl++	Zoom in	Designer
Ctrl+-	Zoom out	Designer
Ctrl+Up arrow	Move job up	Spooler
Ctrl+Down arrow	Move job down	Spooler
Ctrl+Mouse scrolling	Zoom in / zoom out	Designer
Ctrl+Alt+W	Preview laser	Global laser
Ctrl+Shift+A	Deselect all	Designer
Ctrl+Shift+B	Bold	Designer
Ctrl+Shift+C	Center text	Designer
Ctrl+Shift+I	Italic	Designer
Ctrl+Shift+L	Align text to the left	Designer
Ctrl+Shift+P	Memory card	Global
Ctrl+Shift+R	Align text to the right	Designer
Ctrl+Shift+S	Save as	Global
Ctrl+Shift+U	Underline	Designer
Ctrl+Shift+Z	Redo	Designer
Ctrl+ 🞴 / Ctrl+ 🖾	Orientate the layout without turning the objects	Designer
Ctrl+Left clic	Select multiple objects individually	Designer
Left clic+Move mouse	Draw the multiple selection frame	Designer
Alt+Double click on object	Edit datasource of object	Designer

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Use

Keys	Description	Plugin	
Shift+Move window	Window docking	Global	
Del	Delete selected object	Designer	
Del	Delete selected job	Spooler	
Del	Delete file from memory card	Spooler	
Space	Pause / resume printer	Spooler	
F2	Rename device	Global	
F2	Print selected label from memory card	Spooler	
F3	Print selected label from memory card with specified number of labels	Spooler	
F5	Configure printer	Spooler	
F6	Test print	Spooler	
F7	Cursor guide	Designer	
F8	Form feed	Spooler	
F9	Snap to grid	Designer	
F10	Devices list	Global	
F11	Display options	Designer	
F12	Page setup	Designer	

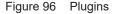
Table 6 Keyboard shortcuts

Plugins are additional modules of the basic cablabel S3 software. These modules add functions and possibilities to the basic software.

The provided plugins are depending on the cablabel S3 version.

To view or edit the list of plugins, just click on the $\tt About$ button in the toolbar of the <code>General</code> tab \triangleright 3.1 Main interface

Loaded plugins			2	Available plugins	
Filename PDFExportFilter.bpl	Version 1.0.0.195	Description PDF Export Filter		Filename DebugView.bpl	
PictureExportFilt		Picture Export Filter		DPLCommKernel.bpl	
JSStandalone.bpl	1.0.0.21	Allows JScript standalone f	00	DPLDriver.bpl	
WindowsDriver.bpl		Driver for windows printer	««	DPLLMSpooler.bpl	
	1.0.0.1093	Implements the communica	>>	FLCommKernel.bpl	
JScriptDriver.bpl	1.0.0.541	Jscript Driver	ΓΨ	FLDriver.bpl	
JScriptEditor.bpl	1.0.0.313	JScript Viewer		FLLMSpooler.bpl	
JScriptSpooler.bpl	1.0.0.560	Implements the spooler fu Database wizard		FLSpooler.bpl	
BCWizard.bpl	1.0.0.161	Database wizard Barcode wizard (EAN128)	3	LayoutTableManagement.bpl	
PictureGallerv.bpl	1.0.0.19	Picture gallery	5		
VectorPict.bpl	1.0.0.21	Vector pictures			
ABC.bpl	1.0.0.16	ABC library			
LBLImport.bpl	1.0.0.143	Import LBL printed labels			
KeyWords.bpl	1.0.0.34	Keywords configuration			
<pre> plgStcDesigner.bpl </pre>	1.0.0.296	Cablabel S3 Designer			
/ pigstcbesigner.ppi	1.0.0.290	Cabiabel 55 Designer			



To add a plugin:

- Select the plugin in the Available plugins list (4)
- Click on the add button (2), the plugin will be added to the Loaded plugins list (1)
- Restart cablabel S3 so that the plugin is loaded correctly

To remove a plugin:

- Select the plugin in the Loaded plugins list (1)
- ▶ Click on the remove button (3), the plugin will be added to the Available plugins (4)
- Restart cablabel S3 so that the plugin is unloaded correctly

Notice!

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An icon is displayed just before the plugin name to indicate its status.

- The plugin is correctly loaded
- The plugin has been removed but the program has not been restarted
- 1 The plugin has been added but the program has not been restarted

The plugin could not be loaded because:

- a new activation is required
- it doesn't match the version of the program
 - an error occurred while loading

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1

6.1 Printer spooler

The printer spooler is a useful element for users who daily manage multiple print jobs: it is his printing progress dashboard.

Printer states are displayed in the spooler, which allows to monitor devices from the printing computer. If a printer is unavailable, jobs are automatically queued.

Attention!

Jobs are lost when the program is closed.

Printer	Status	Current job	Nb of jobs	
EOS2/300	Communication error		0	
MACH 45/300B	Printhead open		0	
SQUIX 4/300P				

Figure 97 Printer spooler

6.1.1 Managing print jobs and printer functions

The spooler manages all print jobs, let change their priorities, delete jobs or do some special commands on the printer like reset or start a job in ASCII dump mode.

Some specific options are accessible by a right mouse click on a device or on a print job:

1	1	Move job up Ctrl+Up				
2	-	Move job down Ctrl+Down				
3	8	Delete job	Del			
4	- 🗟	Delete all jobs				
5	-	Pause / unPause printer Spa				
6	-13	Form feed F8				
7	-	ASCII dump mode	Ctrl+A			
8	-	Reset printer	Ctrl+C			
9	-	Restart printer	Ctrl+R			
10		Press peripheral button Ctrl+B				
11	- 20	Configure printer F5				
12	- 🛃	Print test F6				

Figure 98 Printer spooler options

Print jobs functions

- 1. Move selected job up
- 2. Move selected job down
- 3. Delete selected job only
- 4. Delete all jobs

Printer functions

- 5. Suspend / resume the printer
- 6. Make a form feed on printer
- 7. Start ASCII dump mode
- 8. Reset the printer
- 9. Restart the printer
- 10. Press the acknowledgment button of Print on demand mode (only starting from X4 CPU)
- 11. Configure the printer
- 12. Start a print test

Advanced status, memory content or even the display of the printer can be shown with a double click on a printer in the spooler.

6.1.2 Printer status

In this tab you will find all information about the printer, like its firmware version, print status...

	SQUIX 4/	300P	×	I			SQUIX 4/300P	×
🎯 Printer 🛛 🧼 Memory	😭 Job 🔊 Display			🎯 Printer	🥋 Memo	ory 🖓 Job	🗊 Display	
Model Firmware Printer date	SQUIX 4/300 5.33 (Apr 27, 20 28/05/2020		0:09:19	Job in prog Current job Labels to p	name:			
Interpreter active	0	Cleaning needed						
In form feed	0							
Label / Paper Paper synchronised Paper warning Label in peelpos Label distance		Ribbon Ribbon warning Ribbon diameter Applicator Applicator ready Label at vacuum pad	© 51.00					
Signals		ABC	Idle					
External pause Start signal	0	Status Number of lines	Idle 0					
Ready		Last update: 28/0	5/2020 10:10:44	Ready			Last update: 28/05/2020 10:10):44

Figure 99 Advanced printer status

Figure 100 Printing jobs

6.1.3 Memory card management

Notice!

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A memory card must be available in the default printer memory.

By displaying the Memory card content, if you right click on a label file, it is also possible to print, delete directly a file or format the memory card.

	SQUI	X 4/300P			
🏈 Printer 🛛 🧼 Me	mory 😭 Job 🔊 Di	splay			
Free memory:	9				
Memory card:	Compact Flash				
Files					
 Fonts 	Name	Type	Siz	e Date	
○ Images	1	LBL	1399	11.10.13 14:43	^
	A3EAN13	LBL	152	28.11.13 09:22	
 Labels 	A3ITF14	LBL	240	28.11.13 09:23	
Misc	ALSACIEN	LBL	5260	5.12.13 15:47	
	ASANSP	LBL	723	8.04.13 19:01	
cab	DBCONNEC	LBL	1142	18.04.13 11:08	
	EAN128CR	LBL	846	8.04.13 16:55	
	EAN128~1	LBL	723	8.04.13 17:00	
	EAN128~2	LBL	731	8.04.13 16:55	
	ECONOM	LBL	454	16.04.13 15:49	
	ETIO	LBL	1110	25.04.13 10:38	
	JERRICAN	LBL	914	4.09.13 09:42	
	ORANGE	BL	240	23.09.13 15:00	
	PHARE	LBL	240	23.09.13 15:23	
	PPF	LBL	21867	17.07.13 09:38	
	PPF H	LBL	21875	17.07.13 08:38	
	- Dottopec		40500	20 10 12 17:20	~
eady			Last upd	ate: 28/05/2020	10:10

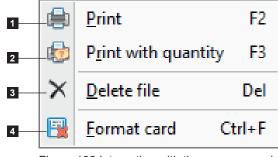


Figure 102 Interaction with the memory card

- 1. Print the selected file
- 2. Print the selected file and ask for the quantity
- 3. Delete the selected file
- 4. Delete all content of memory card and create the fonts, images, labels and misc folders

Figure 101 Memory card content

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6.1.4 Printer display

The Display tab shows the printer's display in real time.

Depending on the printer model, it is also possible to directly control the printer by clicking on its display commands.





Notice!

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- The printer's display can only be shown when the Ethernet port is used!
- Display and interaction with the printer's display is also depending on printer model. Not all printers support these functions!

6.2 JScript code viewer

The JScript code viewer allows to see instantly the JScript code of the active label. Each modification in the label is returned in real time in the viewer.

For more information about the JScript language \triangleright Programming Manual.



Figure 104 JScript code viewer

Notice!

- The code can only be viewed after a first printing.
- The viewer only displays code after printing to a JScript device.
- ▶ The displayed code doesn't match necessarily the printing file.

6.3 Variable information

This plugin adds support for specific variables in cablabel S3. More information \rhd 5.2.7.5 Variables

6.4 Character map

This plugin allows you to insert easily accented letters and symbols which are not available on your keyboard, or other non-printable characters like for example a carriage return, a group separator, as well as those used in barcodes.

in .					Chara	acter ma	р				- 🗆	×	
Low Hig	h 🛄	All	Swiss 721			*		Category	: Barcoo	le contro	l codes	~	
FNC	1 FN	IC2	FNC	3 F	NC4	COD	EA C	ODEE		DEC	ANSI_	AI	
ANSI_	DI E	CE /	APPEN	ND PI	ROG	ANSI	TM	2D					
	3	4 5	6	1							2		
						Cha	aracter i	map					×
	Low Hi	igh 🗎 🕅	All	Swiss 7	721		~		Categ	pory: Bas	sic Latin (ASCII)	*
7	-NUL	SOH	STX	ETX	EOT	ENQ	ACK	BEL	BS	ΗT	LF	VT	FF
	CR	<u> </u>		- DI -	201	F	DC3	DC4	NAK	SYN	ETB	CAN	EM
8—	SUB	E		GS				1		#	\$	%	&
	1	Grou	Group Separator				-		1	0	1	2	3
	4	5	6	7	8	9	:	;	<	=	>	?	@
	Α	в	С	D	Е	F	G	н	I.	J	К	L	М
	Ν	0	Р	Q	R	S	т	U	V	W	Х	Y	Z
Insert cł	[١]	^	_	•	а	b	с	d	е	f	g
	h	i	j	k	1	m	n	0	р	q	r	s	t
	u	v	w	х	y	z	{	1	}	~	0		/////
		S	elected ch	iars.				Chart		CONT	101		
10	Insert cl	har [U:GS] / Use Uni		ах			Bidired Text F	tter Type tional Lay Processing ard Code	out: BL(OCK SEPA		
		1	1				12			 Image: A start of the start of	<u>O</u> K	X <u>C</u> ar	ncel

Figure 105 Character map

1.	Select font					
2.	Choose character category					
3.	Display the standard ASCII characters (from 0 to 128)					
4.	Display the extended ASCII characters (from 128 to 255)					
5.	Display special codes for barcodes					
6.	Display all characters outside the ASCII table (256 and up)					
7.	List of characters from active category					
8.	Select wished character					
9.	Character information					
10.	Insert the selected char to the string					
11.	Use Unicode syntax					
12.	Deletes all selected chars					

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6.5 Compound prompts

This plugin allows to associate together several existing prompt fields of Formular type, which will then be displayed in a single input area.

Attention!

It is first necessary to create individually each prompt field concerned by the association. For more information \triangleright 5.2.7.1 Prompt fields

To create a compound prompt:

- Insert a new compound prompt (2) in the list (1)
- Adjust the different parameters

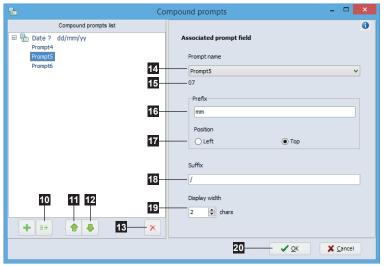


- 1. Compound prompts list
- 2. Inserts a new compound prompt in the list
- 3. Moves the element up
- 4. Moves the element down
- 5. Deletes the selected element
- 6. Prompt text displayed to the user for the input
- 7. Secondary text displayed under the prompt text
- 8. Free text available to the user
- 9. Activate / deactivate concerned compound prompt

Figure 106 Compound prompt properties

Then to associate it prompt fields:

- Add a new association to the current compound prompt (10)
- Select the name of concerned prompt field (14)
- Set properties of the association
- Do previous steps again until you get the wished result
- ► Validate with the OK button (20).



10. Adds a new association to the current compound prompt

- 11. Moves the element up
- 12. Moves the element down
- 13. Deletes the selected element
- 14. Selection of prompt field to associate
- 15. Preview of the current value of concerned prompt field
- 16. Static text displayed before the concerned prompt field
- 17. Position of displayed prefix text
- 18. Static text displayed after the concerned prompt field
- 19. Display width of concerned input area

Figure 107 Associated prompt field properties

6.6 Barcode wizards

6.6.1 GS1/EAN/UCC-128 and GS1 Datamatrix wizard

This barcode wizard helps you to create your GS1/EAN/UCC-128 or GS1 Datamatrix barcode. To create a new barcode:

- ▶ Select the barcode type GS1/EAN/UCC-128 or GS1 Datamatrix.
- ▶ Click on the Wizard button.
- Choose an AI in the available AI's list (1).
- ▶ Double-click on the selected AI to add it to the List of selected AIs (3).
- Select AI's value type (fixed or from a datasource) (4).
- Do previous steps again until you get the wished result (7).
- ► Validate with the OK button (8).

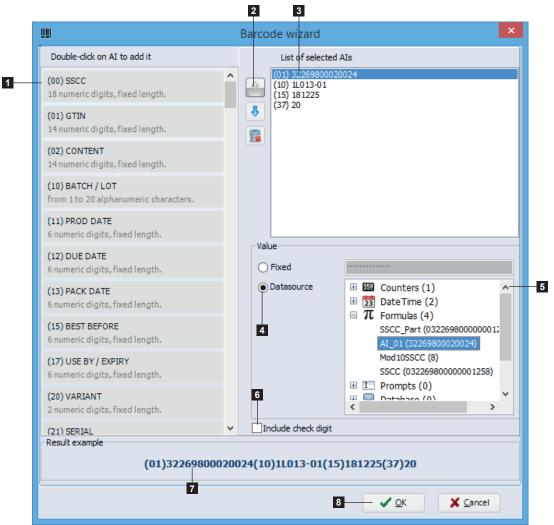


Figure 108 GS1/EAN/UCC-128 and GS1 Datamatrix barcode wizard

1.	Available AI's list
2.	Move / delete an Al
3.	Selected AI's list
4.	Value type
5.	Available datasource list
6.	Include check digit (depending on selected AI)
7.	Barcode content

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6.6.2 FACT/MH10 wizard

This barcode wizard helps you to create FACT/MH10 barcodes (especially used in the automotive industry).

To create a new barcode:

- Select the barcode type Datamatrix or PDF417.
- ▶ Click on the Wizard button.
- ▶ Follow the same steps as with the GS1 wizard ▷ 6.6.1 GS1/EAN/UCC-128 and GS1 Datamatrix wizard.
- ► Validate with the OK button (1).

		Barcode wizard		
Double-click on AI to add it		List of selected A	AIs	
B CONT TYPE up to 999 numeric digits.	î	P 31355103 1T 150432011 V CK0E		
1B CONT ID up to 999 numeric digits.		•		
2B GAS CYLINDER CONTAINER ID up to 999 numeric digits.				
3B MOTOR FREIGHT TRANSPORT EQUIPMENT ID				
4B SCAC from 4 to 14 alphanumeric characters.				
5B RECEPTACLE ASSET NUMBER from 1 to 35 alphanumeric characters.		Value Fixed	31355103	
7B CONTAINER SERIAL NUMBER 11 alphanumeric characters, fixed length.				
8B RETURNABLE CONTAINER 3 alphanumeric characters, fixed length.				
9B CONTAINER SIZE 4 alphanumeric characters, fixed length.			T Texts (0) Barcodes (1) C Texts (1)	
10B CONTAINER OWNERSHIP CODE 4 alphanumeric characters, fixed length.			 ★ (x) Variables (14) 	
11B VAN NUMBER Result example	¥			
[)>[U:RS]06[U:GS]P31355	103	8[U:68]1T150432011[U:GS]VCKOE[U:RS][U:EOT]	
			✓ <u>O</u> K X Cancel	
igure 109 FACT/MH10 barcode w				

6.6.3 QR wizard

This barcode wizard helps you to create a QR code. A QR barcode can contain:

- a link to a website (URL)
- a business card (vCard)
- a phone number
- a SMS
- an email
- Wi-Fi login parameters

To create a new barcode:

- Select the barcode type QR.
- Click on the Wizard button.
- Choose the data type (1).
- For a vCard
- Choose an AI in the available AI's list (4).
- Double-click on the selected AI to add it to the list of selected AIs (5).
- Select Al's value type (fixed or from a datasource) (6).
- Do previous steps again until you get the wished result (7).
- For other type
- Enter fixed data (2) or click on the "..." button (3) to select a datasource.
- ► Validate with the OK button (8).

	4 5
Barcode wizard	III Barcode wizard
Select data type URL v 1	Select data type Contact (vCard)
URL https://www.cab.de/en	Double-dick on AI to add it List of selected AIs Construction cab Technology Country (Work) USA Zoode (Work) USA Zoode (Work) 01897 Zoode (Work) 0
2 3	First name Image: City (Work) Tyngsboro Image: City (Work) Tyngsboro City (Work) Tyngsboro First name Image: City (Work) Tyngsboro Image: City (Work) Tyngsboro Fax (Work) + 1 978 649 0293 Image: City (Work) Tyngsboro Fax (Work) + 1 978 649 0293
	Prefix
	Suffix
	Value Value (
	City (Work) ○ Datasource ⊕ III Counters (0) III 20 Data Time (0) III 20 Data Time (0) III 70000000000000000000000000000000000
	State (Work)
	Zip code (Work) 6 8 7 7 7 8 8 8 8 8 8 8 8 8
	Country (Work)
	Straat (Inma) v Result example
	BEGIN:VCARD[U:LF]ORG:cab Technology[U:LF]TEL;WORK:+1 978 649 0293[U:LF]TEL;WORK;FAX:+1 978 649 7
8 ✓ <u>QK</u> X <u>Cancel</u>	8 QK X ⊆ancel

.

Figure 110 QR wizard for a website

Figure 111 QR wizard for a vCard

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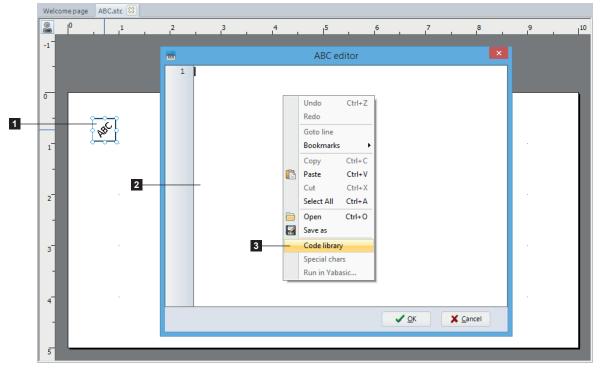
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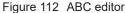
6.7 ABC code

This plugin adds support of the ABC basic compiler and the code library.

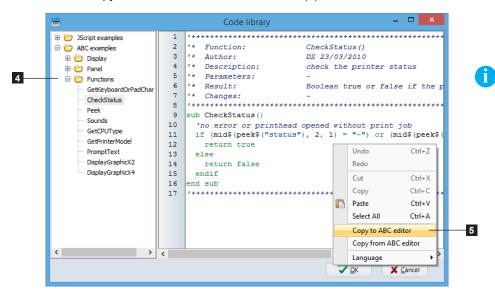
To insert ABC code:

- ▶ Select the ABC code object in the toolbar ▷ 3.2.2 Special toolbar
- Click somewhere in the label where you want to insert the object (1)
- Then double-click on it to open the code editor
- Write the code directly in the ABC editor window (2)





- Or right-click to open the code library (3)
- Browse the tree and select an example (4)
- Then copy the wished code to the ABC editor (5)



Notice!

For more information about the ABC language ▷ Programming Manual

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Figure 113 Code library

6.8 Database wizard

This plugin adds support of databases in cablabel S3. The wizard allows to create a datasource from a query on a connected database.

4 connection types can be defined:

- Access database connection (for example printing through the software)
- Excel workbook connection (for example printing through the software)
- OLE DB connection (for example printing through the software)
- Database Connector (for example printing in standalone mode)

Attention!

The Excel spreadsheet does not have all features of a database. For more information \triangleright <u>Connecting to an Excel workbook or a database</u>

1	2	
8	Datasource configuration	×
Database configuration	OLE DB / ODBC databases connections	🚺 Help
Access connection	New OleDB connection	4 connection types can be defined: • Access database connection (printing through the software) • Excel file connection (printing
Excel connection	Username Password	through the software) • OLE DB connection (printing through the software) • Database Connector (printing in standalone mode)
	Connection string 3 7 Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Users\Public\Documents\Cab\stc\	Warning: the Excel spreadsheet does not have all features of a database.
Database Connector 0	Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: Command timeout (in s) Image: C	 First select the connection type you want to use and dick on the link "Add a connection " Click on the button "" to select the file to use or start the connection string wizard. The connection string depends on the connected database. For more information see the documentation of the database. After connection string definition, create a data source by dicking on the button "" to start the query builder wizard. Validate with the OK hutton.
		<u>OK</u> <u>X</u> <u>C</u> ancel

Figure 114 Database wizard

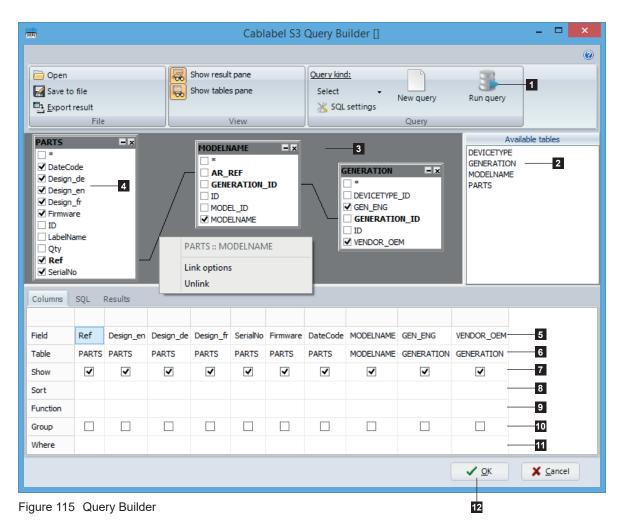
1.	Connection type	2.	Connection name
3.	Connection string	4.	Datasource name
5.	Data query	6.	Datasource description

- First select the connection type you want to use (1) and click on the link "Add a connection ...".
- ► Click on the button (7) to select the file to use or start the connection string wizard. The connection string depends on the connected database ▷ Documentation from the database.
- After connection string definition, create a datasource by clicking on the button (8) to start the query builder wizard.
- Configure if necessary the specific parameters of the connection type (9).

Notice!

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Connection (2) and datasource (4) names can be changed by double-clicking on them. The connection string (3) and the data query (5) can be inserted by copy/paste. And it is possible to use in the connection string the environment variables of Windows. The OLE DB connection allows also to define connections to other types of database. Examples of connection strings are available on \geq https://www.connectionstrings.com/



1. Toolbar

- 2. Available tables
- 3. Selected tables with their links (SQL keyword: JOIN)
- 4. Available fields
- 5. Field name of selected fields
- 6. Table name (SQL keyword: FROM)
- 7. Used fields (SQL keyword: SELECT)
- 8. Sorting a field (SQL keyword: ORDER BY with parameter ASC or DESC)
- 9. Functions (SQL keyword: MIN, MAX, COUNT, AVG or SUM)
- 10. Grouping a field (SQL keyword: GROUP BY)
- 11. Selection filter (SQL keyword WHERE)

The Query Builder is a graphical wizard which helps you to create a new database query.

It is possible to view your query in SQL format.

- Select one or more table(s) in the tables list (2) by double-clicking on it or drag and drop it in the left panel.
- ▶ If needed, create links between tables (3) by selecting a field and drag and drop it from one table to another.
- Select wished field(s) (4).
- Change selection or order of the fields in the result pane.
- Run query with the Run query button from the toolbar (1) if you want to see the result.
- Validate the query with the OK button (12).

6.9 Layout table management

This plugin allows you to edit and modify a layout previously saved in a database using the upload window (memory card) \triangleright 5.5.2 Saving in a database.

It also allows the deletion of a record in the table.

To use this plugin, you need to create or modify two configuration files with a text editor. These files must be located in the folder C:\ProgramData\cab\stc\Plugins and must be adapted to the database.

Filename	Description
LayoutTableManagement.udl	Double-click on this file to start the connection string wizard.
	Contains the connection string to the database.
	Example for Access: Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\ <i>Path\Database</i> .accdb; Persist Security Info= <i>False</i>
	Example for SQL: Provider=SQLOLEDB.1;Integrated Security=SSPI;Persist Security Info= <i>False</i> ; Initial Catalog= <i>Database</i> ;Data Source= <i>ServerName</i>
LayoutTableManagement.ini	Contains the table name, in this case "Layouts". For example:
	[Database] LayoutTable= <i>Layouts</i>

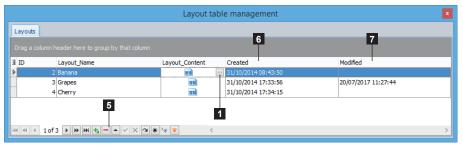


Figure 116 Layout table management



To edit a layout:

- Click on the button (1) to open the script editor window
- Change the header (2) or the script content (3) Þ directly in the editor
- Validate by clicking the OK button (4)

To delete a record:

- Select the record
- Click on the delete button (5)

Notice!

The plugin <code>Layout table management</code> is not loaded by default \triangleright 6 Plugins The optional fields Created (6) and Modified (7) can be defined with an Access or SQL trigger.

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6.10 Keywords

This plugin allows you to define the formatting and to select the language(s) of the keywords. It is also possible to view the standards keywords in their different languages as well as adding your own custom keywords.

	Keywords	
æ	Keywords configuration	
Setting	is Standard keywords User keywords	
	Keywords global settings Languages User, German, Greek, English, Spanish, Finnish, French, Italian, Dutch v B I I Aa aA Color Image: Color If you need to share the keywords configuration with another user or workstation, use the following links to import or export the configuration: Export configuration If you need to share the keywords configuration with another user or workstation, use the following links to import or export the configuration: Import configuration	 ✓ User. Danish ✓ German ✓ Greek ✓ English ✓ Spanish ✓ Finnish ✓ French ✓ Italian ✓ Dutch ✓ Portuguese ✓ Swedish
	✓ <u>O</u> K X <u>C</u> ancel	
Figure	e 118 Keywords configuration 3	Figure 119 Languages list

- ▶ Select the wished language(s) (1) in the list (▷ Figure 119).
- Select the type of formatting to apply (2): bold, italic, underline, lowercase conversion, uppercase conversion, font color.
- ► Validate with the OK button (3).

The keyword configuration can also be imported or exported by clicking on the corresponding link (4).

It is possible to disable some standards keywords in the table in the Standards keywords tab:

Ħ		Keywords	×		
ጶ к	Neywords configuration				
Settings	Standard keywords User keywords				
Lang. short	Language	Keyword	Enabled 🔺		
DA	Danish	Вуд	✓		
DA	Danish	Hühnerei	✓		
DA	Danish	Hvede	✓		
DA	Danish	Kornprodukter	✓		
DA	Danish	Rug	✓		
DE	German	Cashew	✓		
DE	German	Cashewnuss	✓		
DE	German	Cashewnüsse	✓		
DE	German	Dinkel			
DE	German	Dinkelflocken	✓		
DE	German	Dinkelmehl	✓		
DE	German	Ei	✓ ✓ ✓		
DE	German	Eier			
194 4 4 9	of 162 🕨 🗰 📥 🛩 🗙 🛥 🌟		>		
	V_QK X Cancel				

Figure 120 Standards keywords list

1.	Disabled language
2.	Disabled keyword
3.	Enabled keywords

6 Plugins

Settings	Standard keywords User keywords		1
-Apfel	Keyword	Enabled	Modification
Apple		✓ ✓	24/11/2014 09:10:09 24/11/2014 09:09:57
Banana		•	24/11/2014 09:08:47
Banane		-	24/11/2014 09:07:29
Grapes		✓	24/11/2014 09:09:52
Pomme		✓	24/11/2014 09:10:02
Raisins		•	24/11/2014 09:09:43
Traube		✓	24/11/2014 09:09:24
H4 44 4			✓ <u>О</u> К Х Са

Figure 121 User keywords

To add a keyword to the list:

- Press the + button (2)
- Enter the keyword in the table (1)
- Enable / disable the keyword
- ► Validate if necessary with the button (4)

To delete a keyword from the list:

- Select the keyword in the table (1)
- Press the button (3)

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6.11 RFID wizard

This plugin allows to configure the reading and writing of an RFID label.

Notice!

The TID memory (Tag Identification) is only accessible in read mode and does not require any configuration. The user memory and the access password are not supported by all RFID labels.

6.11.1 Configure the writing of EPC memory

The EPC tab allows to configure the writing of EPC memory. To do this:

- Enable the writing (1).
- Specify the value to write, either:
 - by entering a fixed data in the editable field (2).
 - by clicking on the "..." button (3) to select a datasource.
 - by using the EPC GS1 Wizard (4) to create a URN (Uniform Resource Name).
- Select if necessary a Lock level (5).
- ► Validate with the OK button.

	🖙 RFID wizard	×
		0
	Write EPC memory	
1	Value Empty	
	As hexadecimal	
5	Lock level Unspecified V	

Figure 122 Write EPC memory

6.11.2 Configure the reading and writing of user memory

The User tab allows to configure the reading and writing of user memory, as well as to define the different reading and writing areas. Because the user memory has the ability to be divided into several individual areas.

To configure the reading and writing of user memory:

- Select the memory area in the list (1) and (9) or add a new user area (2) and (10).
- Adjust the different parameters of the area or if necessary delete it (3) and (11).
- Do previous steps again until you get the wished result.
- ► Validate with the OK button.



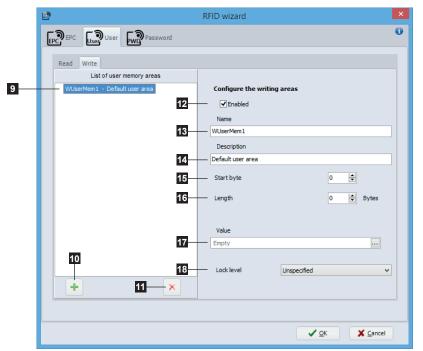
- 1. List of user memory areas
- 2. Adds a new user area
- 3. Deletes the selected element
- 4. User area name (mandatory and needs to be unique)
- 5. Free text available
- 6. Starting byte of this user area
- Length of this user area. Length of 0 means as many bytes as the value needs.
- 8. Value is taken as binary

Notice!

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The defined reading areas are automatically added to the datasources available in the designer \triangleright 5.2.7.6 RFID data (read)

Figure 123 Reading areas



- 9. List of user memory areas
- 10. Add a new user area
- 11. Deletes the selected element
- 12. Enable / disable writing
- 13. User area name (mandatory and needs to be unique)
- 14. Free text available
- 15. Starting byte of this user area
- Length of this user area. Length of 0 means as many bytes as the value needs.
- 17. Value to write, either by entering a fixed data in the editable field or by selecting a datasource
- 18. User area lock level

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Figure 124 Writing areas

6.11.3 Set access password

The Password tab allows to set the access password, to protect the RFID labels against: writing data, reading the access password, modification of the lock level.

This password is written to the memory Reserved for this purpose and has also its own lock level.

To set the access password:

- Enable the access password (1).
- Specify the value of the Password (2).
- Select a Lock level (3).
- Validate with the OK button.

		RFID wizard	×	
13	EPC User WP Part	ssword As hexadecimal	•	Attentic When us password to set a v 0000 and Otherwis is ignore of the pa possible.

on!

ing an access d, it is important value other than also to lock it. e, the protection d and the reading ssword remains

Figure 125 Access password

6.11.4 Lock level

Lock level settings of the different RFID memories.

Setting	Description	
Unspecified	No changes are made to the current lock level.	
Unlocked	Allows writing and modification of the lock level.	
Perma-unlocked Always allows writing and permanently forbids modification of the lock lev (can never be locked again).		
Locked	Without password, forbids writing and modification of the lock level (to pe a reversible locking).	
Perma-locked	Permanently forbids writing and modification of the lock level (can never be unlocked again).	

Table 7 Lock level



Notice!

Reading of the different memories is always allowed, except the one containing the access password. If the latter is locked, its reading is also forbidden without a password.

7 Appendix

7.1 Installation parameters

When installing the software, it is possible to specify some parameters on the command line to automate the installation.

Example for a silent installation :

cablabel S3_Setup.exe /VERYSILENT /SUPPRESSMSGBOXES /DELINI=N /NORESTART

Available parameters list :

/DELINI=Y, /DELINI=YES

Instructs Setup to delete the settings (ini file) without asking user.

/DELINI=N, /DELINI=NO

Instructs Setup to keep the settings (ini file) without asking user.

/SILENT, /VERYSILENT

Instructs Setup to be silent or very silent. When Setup is silent the wizard and the background window are not displayed but the installation progress window is. When a setup is very silent this installation progress window is not displayed. Everything else is normal so for example error messages during installation are displayed and the startup prompt is.

If a restart is necessary and the "/NORESTART" command isn't used (see below) and Setup is silent, it will display a "Reboot now?" message box. If it's very silent it will reboot without asking.

/SUPPRESSMSGBOXES

Instructs Setup to suppress message boxes. Only has an effect when combined with "/SILENT" and "/VERYSILENT". The default response in situations where there's a choice:

- Yes in a "Keep newer file?" situation.
- No in a "File exists, confirm overwrite." situation.
- Abort in Abort / Retry situations.
- Cancel in Retry / Cancel situations.
- Yes (=continue) in a "DiskSpaceWarning / DirExists / DirDoesntExist / NoUninstallWarning / ExitSetupMessage / ConfirmUninstall" situation.
- Yes (=restart) in a "FinishedRestartMessage / UninstalledAndNeedsRestart" situation.
- 5 message boxes are not suppressible:
- The "About Setup" message box.
- The "Exit Setup?" message box.
- The "FileNotInDir" message box displayed when Setup requires a new disk to be inserted and the disk was not found.
- Any (error) message box displayed before Setup (or Uninstall) could read the command line parameters.
- Any message box displayed by [Code] support function MsgBox.

/NOCANCEL

Prevents the user from cancelling during the installation process, by disabling the Cancel button and ignoring clicks on the close button. Useful along with "/SILENT" or "/VERYSILENT".

/NORESTART

Prevents Setup from restarting the system following a successful installation, or after a Preparing to Install failure that requests a restart. Typically used along with /SILENT or /VERYSILENT.

/CLOSEAPPLICATIONS

Instructs Setup to close applications using files that need to be updated by Setup if possible.

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/NOCLOSEAPPLICATIONS

Prevents Setup from closing applications using files that need to be updated by Setup. If /CLOSEAPPLICATIONS was also used, this command line parameter is ignored.

/RESTARTAPPLICATIONS

Instructs Setup to restart applications if possible. If Setup didn't close these applications (for example because /NOCLOSEAPPLICATIONS was used), this command line parameter is ignored.

/NORESTARTAPPLICATIONS

Prevents Setup from restarting applications. If /RESTARTAPPLICATIONS was also used, this command line parameter is ignored.

/LOADINF="filename"

Instructs Setup to load the settings from the specified file after having checked the command line. This file can be prepared using the "/SAVEINF=" command as explained below. Don't forget to use quotes if the filename contains spaces.

/SAVEINF="filename"

Instructs Setup to save installation settings to the specified file. Don't forget to use quotes if the filename contains spaces.

/LANG=language

Specifies the language to use. Language specifies the internal name of the language as specified in a [Languages] section entry.

When a valid /LANG parameter is used, the Select Language dialog will be suppressed.

/DIR="x:\dirname"

Overrides the default directory name displayed on the "Select Destination Location" wizard page. A fully qualified pathname must be specified. May include an "expand:" prefix which instructs Setup to expand any constants in the name. For example: "/DIR=expand:{pf}\My Program".

/GROUP="folder name"

Overrides the default folder name displayed on the "Select Start Menu Folder" wizard page. May include an "expand:" prefix, see "/DIR=". If the [Setup] section directive DisableProgramGroupPage was set to yes, this command line parameter is ignored.

/NOICONS

Instructs Setup to initially check the "Don't create a Start Menu folder" check box on the "Select Start Menu Folder" wizard page.

/SERIAL=XXXXX-XXXXX-XXXXX-XXXXX

Instructs Setup to use the specified product key XXXX-XXXX-XXXX-XXXXX-XXXXX.

7 Appendix

7.2 Start parameters

When starting the software, it is possible to specify some parameters on the command line to automate the starting.

Example to open automatically a label:

stc.exe /OPEN "C:\Users\Public\Documents\cab\stc\Samples\label_printer.stc"

Available parameters list:

/USER

Start the software as a normal user and hide device configuration.

/NOCONFIGSAVING

Avoid saving of actual software configuration (plugins, windows positions, etc). Used together with /USER allow to lock software settings.

/OPEN "label name"

Open automatically the specified label. Don't forget to use quotes if the filename contains spaces.

/PRINT "label name"

Open the specified label and show Print dialog. Don't forget to use quotes if the filename contains spaces.

/PLUGINS "configuration filename"

Define the plugins to use, according to the XML configuration file. Allow for example to create different shortcuts with specific software configurations. Don't forget to use quotes if the filename contains spaces.

Notice !

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In order to create a personalized plugins configuration file:

- Start cablabel S3 normally
- Add or remove wished plugins in the corresponding window of the About menu in the General tab. When the software is closed, these settings will be saved in the stc_Plugins.xml file in the folder C:\Users\"username"\AppData\Roaming\cab\stc
- Copy this file, rename or modify it, for loading it with the parameter /PLUGINS