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"Codesoft 2014 Pro" Overview Manual Thermocode

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Foreword

Throughout this document, trademarked names may be used. Rather than put a trademark ([™] or ®) symbol in every occurrence of a trademarked name, we state that we are using the names only in an editorial fashion, and to the benefit of the trademark owner, with no intention of infringement.

This manual is only a general overview on setting up the Thermocode Series 2 & IQ range of Thermal transfer printers, so they can be controlled & programmed using the Codesoft software. If you experience any difficulties in setting up your printer, please contact your local supplier.

All Thermocode Series 2 Printers use True type or Bitmap (SFP) fonts that can be downloaded using Codesoft. This enables all types of variable text and counter fields to be created and then controlled from within the printer software.

As well as this user's guide, within the Codesoft software there are comprehensive help menus that also assist in the design of the required formats for printing.

Codesoft Installation

The Software will be supplied with a dongle, a hardware protection key. That must be installed into a **USB** port. **Codesoft 2014** automatically recognises the hardware key if inserted before the Installation. The Codesoft CD will automatically load the software and display the dialog boxes shown below.



Follow the instructions as the installation progresses.

CODESOFT 2014 - InstallShield Wizard
 InstallShield Wizard Completed
 The InstallShield Wizard has successfully installed CODESOFT
 2014. Click Finish to exit the wizard.

The last dialog box click on Finish.

When opening Codesoft, if this Dialog Box appears, the dongle has not been inserted.

	CODESOFT 2014
CS.	Try: Try Please refer to the Product Documentation for any Trial limitation. This mode is for evaluation purposes. You have 30 days left and 100 runs left in your evaluation period.
	- Back → Ned 👩 End

Click on Exit and Insert the hardware key

1

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Printer Set Up

When the installation is completed open Codesoft 2014

Check the box "Do not display wizards by default" Then click on "Finish"

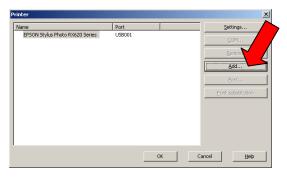
New label document Nov label document Nov Nov	T 2012 Pro (DEMO) - Document1		A DECEMBER OF
Intervention Intervention <td< th=""><th></th><th></th><th></th></td<>			
Image: Constant Constant Service Image: Constant S			
Image: Image			
New label document New label New label document New	enti		
Welcome to the new document wizard The document crustion woard makes it easy to open an exeting document (Label or emploite) or create a new one. Let yourself be guided by the wizard. Create new label format Seat the upton to start a new label design. Open an existing label You can spen an existing label You can spen an existing label You can spen an existing label Templates are produced by detail: Bith. You: Freeze Create		i i i i i i i i i i i i i i i i i i i	Date(0) (X) Formula(0) When Printed(0) Table lookup(0) usil Counter(0)
The document cruation without makes it easy to open an existing document (label or template) or orate a new role. Let yourself be guided by the witand.			
template) or create a new one. Let yourself be guided by the wizard. Create new label format Sets this option to star a new label design. Open an existing label You can open an existing label You can open an existing template Templates are produced label formate. Do not duckly wizards by default Back. Not: Freen.	Welcome to the	new document wizard	
Create new label format Setet this option to start a new label design. Option an existing label You can spen an existing label Option an existing label Do not diplay waards by default Intel Not Final Cartest	The document creater template) or creater	tion weard makes it easy to open an existing document (label or a new one.	
Select this option to start a new level design.	Let yourself be gui	ded by the wizard.	
Open an existing label You can open an existing label You can open an existing label from & file or from Archourg software. Open an existing template Templates are produced label formula. Do not display wizards by default Texture	+		
Open an existing template Templates are protoficed ideal formats. Zibo not display witands by default Template Templates are protoficed ideal formats. Templates are protoficed ideal formats.	•		T Text(0) B Barcode(0) B Inspe(0) HI CLE(0)
Back Not Frank Caroot	-		
	Do not display wita	rds by default	
		Back Not Fran Cancel	

After Codesoft 14 Premier has been installed. You must set up the model of printer being used. Click on the icon button showing a printer highlighted with a question mark.

CODESOF Pro (DEMO) - Document1	
File Edit Objects Data sources Tools Window Help	
1월 29 월 29 월 29 - 1 X 12 월 17 10 19 - 12 - 13 190 - 9 일 및 2 2 - 13 190 - 9 일 및 2 2 - 13 190 - 1 및 2 2 - 1 190 - 1	
The maps → BZUI和新美国室圣』 LBU → IKA>NAI吗@	
Document1	
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The dialog box below will appear. Click on " \underline{A} dd"



This Dialog Box will appear. Select the "**OPEN DATE**" directory Select the communications port your computer uses. Ensure the "**Direct access**" is ticked.

1odel	Port
CPEN DATE ThermoCode 107. ThermoCode 1075 ThermoCode 1075 ThermoCode 538 ThermoCode 548 ThermoCode 548 ThermoCode 548 ThermoCode 548 Thermo	COM1: COM2: COM3: COM3: COM7: Desktpl*,pdf ILP1: LP12: LP13: LP13: LP13: LP14: LP12: LP13:
ThermoCode GENERIC Common	Direct access

Add the required model printer types

Then Click on "OK" to save the settings

Name	Port		Settings
EPSON Stylus Photo RX620 Series	USB001		
ThermoCode 107M	->COM4:		<u>C</u> OM
∭ThermoCode 53M	->COM4:		Remove
			Add
			Port
		ок	Cancel Help

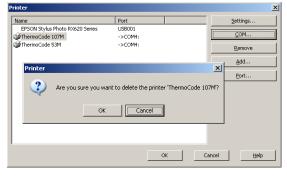
Printer Set Up Continued

F	Printer			×
	Name	Port		Settings
	EPSON Stylus Photo RX620 Series	USB001		
	ThermoCode 107M	->COM4:		<u>_</u> OM
	₩ ThermoCode 53M	->COM4:		Remove
				<u>A</u> dd
				<u>P</u> ort
			ж са	ancel <u>H</u> elp

"Settings button" this dialog box appears For more information see page 8 Printer settings - ThermoCode 107M

rinter settings - ThermoCode 107M	×
General Advanced Fonts	
Use resident printer settings Burning time (μs) 220 From A to B	
23 Pressure (N) 100.0 Speed (mm)/s	3.0 Home offset (mm)
Check printer status	Destination memory
10 Timeout(s)	Immediate printing
 Infinite print Reload images at next print job 	✓ On
Compressed images	🗖 Send modified data only
Without C PCX C LZ	Set date/time
	OK Cancel <u>H</u> elp

"Remove button" removes Printers

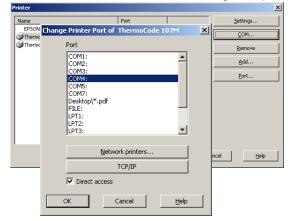


Click on Tools and select Configuration.

"COM button" Port set up as shown

EOM	4 Properties	? ×
Po	rt Settings	
	'	1
	<u>B</u> its per second: 115200 ▼	
	Data bits: 8	
	Parity: None	
	Stop bits: 1	
	Elow control: Hardware	
	<u>R</u> estore Default	's
	OK Cancel A	oply

"Port button" allows the user to change the port



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15 10 10 10 10 10 10 10 10 10 10 10 10 10		ghared data sources management			
Documents		Log file			Data Sources
S A P	tun	Configuration			Detabase(0)
τ-	14	Administrator COBC		9	Table lookup(0)
MN+1 -		getwork Administration			LEE Counter(0)
	0	Command File Interpreter	1947 + A2 + P2		
38		Database Hanager Font Downloader	Doft+Alt+F1 Doft+Alt+F2		
10		Form Designer	Shit +Alt +F4		
	73	Form Verver	Datt+At+FS		
0		Unir tools			
9 -		Label comparator			
0		LABELYEE'S Batch Converter			
3		LABELMATRIX Batch Converter			

3

Printer Set Up Continued

Select by checking the boxes



Select the required Language



From these dialog boxes you can change the directories



This dialog box allows the user to snap to grid



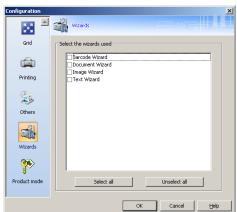


This configuration is ideal if the user is not running a database.



These dialog boxes are set as shown





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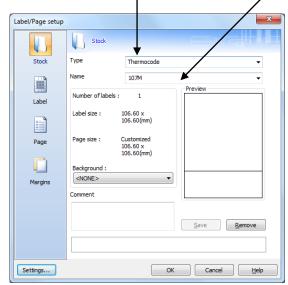
5

Page Set Up

Page Setup (maximum Print area), Click on the icon displayed as a page with the Ruler.



This Dialog Box will appear. Ignore the warning message in red and label page size. Enter the Printer Type and the Model name of the Printer. Then Click on "**Label**"



The user can if wished added comments In the Comments box.

Label/Page setup				×
	Label			M
Stock	Label size(mm) Width Height Corner roundness	106.60 × 106.60 × 0.00 ×	Preview	
Page	Number of labels Per row Per column			
Settings		ОК	Cancel	Help

The dialog box allows the user to change the print area (width and height) to suit the printer used. Corner roundness, Per row and Per column are set as shown.

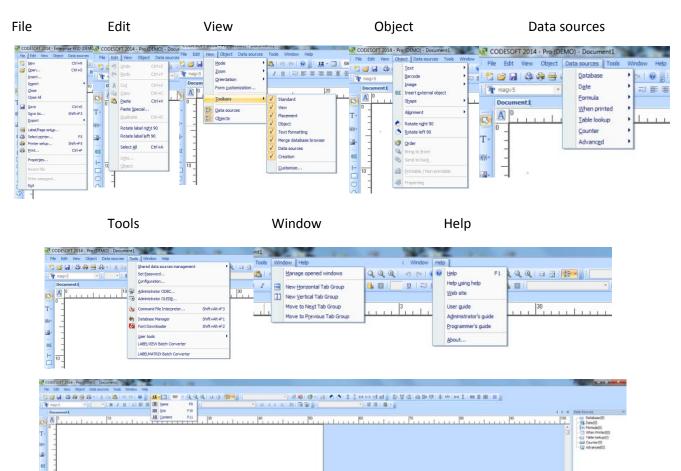
Model	Width (mm)	Height (mm)	Max Length (mm)
53E	53.3	30.0	30.0
53C	53.3	53.3	500
53S	53.3	53.3	53.3
53M	53.3	106.6	106.6
53L	53.3	160.0	160.0
107S	106.6	53.3	53.3
107M	106.6	106.6	106.6
107L	106.6	160.0	160.0
107C	106.6	106.6	250

Click on "Automatic sizing

Label/Page setup Page Stock Automatic sizing Page size(mm) Label Customized Width 106.60 Page Height 106.60 Margins Opremente Portrait Å Candscape Settings... OK Cancel <u>H</u>elp

Margins should be set on 0.00 for Left and Top. Click on OK on completion.

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Object selection

CODESOF	T 2014 - Enterprise RFID (DEMO) - Document1
File Edit	View Object Data sources Tools Window Help
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🗄 🚡 magv5	▼ B I <u>U</u> ⊒ ≡ ≡ ≡
Docum	enti
	10
T	Text generation
IШ+ _	Barcode generation
<u>⊸</u> –	Image (graphic)
	OLE. External object Line. Draw a Line Rectangle. Draws a box Circle or ellipse (Graphic) Polygon (Graphic) Oblique line (Graphic) Rounded Rectangle Shapes objects (Graphic) External objects TextArt (Graphics) Tool bar

Printer Settings

Forward

The printer settings are very important, ensuring that the print quality is optimised for product being printed.

Ideally you should leave the values Burn, Pressure, Speed and Home offset as the defaults that have loaded with the software. Once a test print on the substrate to be printed has been done, fine-tuning of these values can take place to suit your required application.

Click on the icon that shows the printer with the spanner, the printer settings dialog box is then shown.

	Printer settings - ThermoCode 107M		×	
CODESOFT 201 File Edit View Sect Data sources Tools Win	General Advanced Fonts Use resident printer settings Burning time (µs) 170 From A to B			1
Image/5 Printer setup(Shift+F5) Document1 Modify printer setup Image/5 Image/5 Image/5 Image/5	20 Pressure (N) 100.0 Speed (mm)/s	3.0 Home offset (mm)	_	· 2
	10 ∰ Timeout(s) ✓ Infinite print ✓ Reload images at next print job Compressed images	Immediate printing On Send modified data only		• 3
	Without O PCX C LZ	Set date/time		4

- 1 <u>Use resident printer settings</u>: With this clicked on, no print parameters are sent to the printer with the format design. The printer will then automatically use the default values as set up in "Supervisor" menu of the keypad.
- 2 <u>**Printer Settings:**</u> These are the **Burn, Pressure, Speed** and **Home offset** values that will be sent with the format design, if the "Use resident printer settings" box has not been checked. (Normal operation)
- 3 **<u>Check printer status</u>**: With this box checked, the printer is checked to ensure everything is ok before sending a format etc.

<u>Timeout (s)</u>: The amount of time in seconds that the printer will be checked (any errors will be displayed).

Reload images at print time: After sending a format with variables or graphics, Codesoft does not send these items again, as they are held in the printer file store and memory of Codesoft. If an Initialisation is carried out then sending the format without checking this box will cause an error message to be displayed as Codesoft believes the files are already within the printer. Ticking this box will send the complete format.

<u>Compressed images:</u> This allows Graphics to be compressed for high speed loading to the printer and is mainly used when variable graphics are being loaded to the printer from a database. Graphics can be compressed as a: - **PCX** or **LZ**.

Infinite print: With this unticked the printer will only print one label.

Destination memory: Sends the format to the printer file store only.

Send modified data only: Updated information only, not the complete format (after first print).

Immediate printing: Format is automatically printed as soon as it has downloaded to the printer **On:** Send the format to the print head memory and printer file store.

4 <u>Set date/time</u>: Allows the user to configure the printer date and time to be in synchronisation with the PC, or as the user requires.

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Click on "Tools" and then click on "Font Downloader"

CODESOFT 2014 - Pro (DEMO) - Document1	A Long March	
File Edit View Object Data sources Tool	ls Window Help	
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Tr magv5 - I	Set Password	► K A > N A I B G
Document1	Configuration	
	Administrator ODBC Administrator OLEDB	
T	Command File Interpreter Shift+Alt+F3	
<u></u> ,	Database Manager Shift+Alt+F1	
	Font Downloader Shift+Alt+F2	
⊠ ∗ –	User tools	
OLE -	LABELVIEW Batch Converter	
	LABELMATRIX Batch Converter	

Before downloading any fonts check the size of the font. The maximum sizes is 2 fonts 358Kb, maximum number of 3 to 4 fonts 136Kb. The number of fonts that can be used would be dependent on the number of formats stored in the printer. Smaller fonts are available.

Printer Type	Printer Setup	Wizard	Select Font	Down Load	Delete Font	Font Size	Help	Exit
	/	/	/	/ /	/ /	/ /	//	
💹 CODE	SOFT 2014	1/- Pro : For	nt Downloa	ader				×
<u>P</u> rinter	View Po	nt <u>H</u> elp						
		\$ <u></u>	X	2 2	<u> </u>			
Fonts	to download	ł						
Thermo	ode 107M,	->COM4:			_			

Font Icon Descriptions.

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1. Click on "Font select", scroll down and search for the font you require.

	1		
CODESOFT 2014 - Pro : Fon	t Downloader		
<u>Printer View Font H</u> elp			
Fonts to download	Font selection and settings System fonts If \$\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	ZAaPpWw	
	ОК	Cancel <u>H</u> elp	
ThermoCode 107M,->COM4:			

2. In this case Arial Bold. Click on the font.

Font s	election and sett	ings		x	
i i i i i i i i i i i i i i i i i i i	tem fonts !#\$%@	<u>()</u> 012A	\aPp\	Nw	
	ct font rial Bold	_	Western	•	
Fon	t to download				
	Italic Rold				
		ок	Cancel	Help	
3. Edit the fo Maximum Without pu	length up to			ck " OK " wł	nen completed.

"Thermocode Series" Codesoft 2014 Overview Manual. Version (Issue 1.1)

Downloading True Type Fonts (*.TTF) continued

Before sending any fonts to the Printer it is strongly recommended to check the font size.

Arial Bold		x
	Identifier : Arial Bold	
	Bold	
	Character set : ASCII (32-255)	
	System fonts : Arial	
	Memory required : 749,028 KB	

This would cause problems with the Printer and will malfunction as it uses too much memory.

When you select "Yes" the font will be downloaded to the printer. It is strongly advised the user checks the font size before being used. At this stage click on "No"

🔀 CODESOFT 2014 - Pro : Font Downloader
Printer View Font Help
<u></u> → <u>≫</u>
Fonts to download Font Downloader Arial Bold (''Arial'') This font is now available in Font Downloader. Do you wish to download it to the printer?
<u>⊻es</u> <u>№</u> !#\$%@()012AaPpWw
ThermoCode 107M,->COM4: Arial Bold Vector font //

Alternatively you may wish to load several different types of fonts, click on "No" and see instruction below

Holding the "shift key" and the "down arrow", selects all the fonts ready to load to the printer at once.

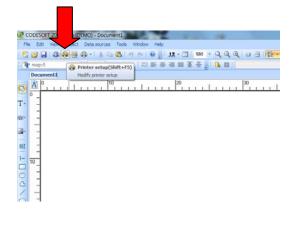
CODESOFT 2014 - Pro : Font Downloader	
Printer View ont Help	
_ <u></u>	
Fonts to pownload	
Arial B. (d ("Arial") ODELON ("ODECON) ODEREG ("ODEREG")	
ODEREG ("ODEREC")	
ThermoCode 107M,->COM4:	

Click on the "Download Font" button, this will copy all selected fonts to the printer.

The user is advised to load the small fonts that can be found in RecoverMode. Open Date has a selection of small fonts available.

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1. Click on "Printer setup"



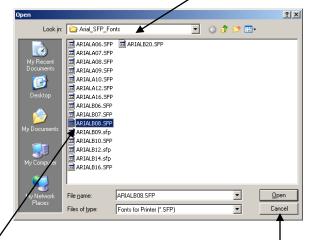
2. This Dialog Box will appear Click on Fonts.

General Advanced Fonts	
Use resident printer settings Burning time (μs)	
220 From A to B	
23 Pressure (N)	
100.0 🚔 Speed (mm)/s	3.0 Home offset (mm)
	Current layout
Check printer status	Destination memory
	- mennemenneleinieinie
10 Timeout(s)	Immediate printing
	Immediate printing
10 Timeout(s)	Immediate printing On
10 Timeout(s)	Immediate printing

3. Click on "Select a SFP font".

Printer settings - ThermoCode 107N	ч 📕	×
General Advanced Fonts		
		1
Select a SEP font		
Download the SFP font	>>	
Vector font	<<	
		L
Fixed character width		L
Identifier	Display font	L
	Height (Points)	
		1
	OK Cancel <u>H</u> elp	

4. Select directory with "*.sfp" fonts.



5. "Highlight" the font you wish to use.

6. Then click on "Open"

- 7. The SFP font is Arial Bold. Click on this button
- inter settings ThermoCode 107M × General Advanced Fonts ARTAL BOS Select a SEP font >> Download the SEP font Vector font Fixed character Display font Identifier ARIALB08 Arial Height (Points) 08 ОК Cancel Help
- 9. Click on "Download the SFP font" to load to the Printer.

8. This dialog box will appear. Select the font and font style as shown for Arial Bold. This will be used as the display font used by Codesoft, for the format design.

ont			<u>?</u> ×
Eont: Arial O Arial Black O Arial Narrow The Arial Rounded MT Bok The Baskerville Old Face O Bauhaus 93 The Bell MT	Font style: Bold Regular Italic Bold Bold Italic	Size:	OK Cancel
	Sample AaBbYyZ	z	
	So <u>r</u> ipt: Western	•	

	Click on Printer setup
<u>ده</u>	ODESOFT 2014 - Pro (DEMO) - Document1
i Fi	e Edit View 🕶bject Data sources Tools Window Help
: 松	🖆 🖬 🕼 🙀 🖶 👘 🕹 🐁 🛳 🛳 🕐 (~) @ 🚽 12 - 💷 580 - 🔍 🔍 🔍 🔍 🔛 😥
1	magv5 🙀 Printer setup(Shift+F5)
	Document1 Modify printer setup
	0_
T-	
WU	
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OLE	
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	10
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С	
/	
0 0 0 0	

Click on Advanced

Printer settings - ThermoCode 107M	
General Advanced Fonts	
Use resident printer settings Burning time (µs)	
170 From A to B	
20 Pressure (N)	
100.0 🚔 Speed (mm)/s	3.0 Home offset (mm)
Check printer status	Destination memory
10 Timeout(s)	Immediate printing
 Infinite print Reload images at next print job 	🕼 On
Compressed images	Send modified data only
Without Compression OPCX DLZ	Set date/time
	OK Cancel <u>H</u> elp

Click on Resident fonts

Click on the +	The installed fonts									
Printer settings - ThermoCode 107M	Printer settings - ThermoCode 107M									
General Advanced Fonts Password Resident fonts Resident fonts Resident fonts Resident layouts Delete printer font list Delete font Delete the selected layout Send setting Send Store fixed images	General Advanced Forts Password Resident fonts Resident layouts Resident fonts Resident layouts Delete printer font list Delete font Delete the selected layout Send setting Send Store fixed images									
Shared Local Network settings Select printer On Optimize Default Download new program Automatic	Shared Local Network Network settings Select printer On On Optimize Default Download new program Automatic									

Deleting a Printer Font

Note: - All variable printer fields the user must select a printer TTF or SFP font.

- 1. Enter the Password (999999) 2. Select the font to be deleted
- 3. Click on Delete font.

Password]	Layouts	
Resident fonts	Resider	nt layouts	- Fonts	
Resident fonts	R	tesident layouts	- ARIALBO8	
Delete printer font list		Current layout	- Arial Bold	
Delete font	Delete	the selected layout	ODEREG	
Send setting			Network	
		Send		
Store fixed images				
Store fixed images Share	H (0)	Local 💿	Network	
	H ©	Local (0)	Network	
Shared Network settings	i O	Local	Network	
Shared Network settings		Local		fault

This dialog box will appear. Select Yes to delete the font

Resident fonts	x
Are you sure you want to delete this file?	
<u>Y</u> es <u>N</u> o	

Codesoft 2014 Overview Manual. Version (Issue 1.1) Checking Formats Loaded to the Printer

Click on Printer setup

CODESOFT 2014 Pro (DEMO) - Document1
: File Edit View poject Data sources Tools Window Help
: 🞦 📂 🛃 🕼 🖶 🖨 📲 🥼 + 1 🙏 🐁 🏝 🖉 이 이 1 🎯 👷 12 + 💷 1 550 🔹 🔍 🔍 🍳 🤍 🖃 🚼 1 👥
: 🏆 magv5 🙀 Printer setup(Shift+F5) 🍬 🗐 홈 홈 🗐 🗐 톤 동 🚽
Document1 Modify printer setup
T
- 10

Click on Advanced

Printer settings - ThermoCode 107M	
General Advanced Fonts	
Use resident printer settings Burning time (µs) 170 ♀ From A to B	
20 Pressure (N) 100.0 Speed (mm)/s	3.0 Home offset (mm)
	Current layout
Check printer status	Destination memory
10 Timeout(s)	Immediate printing
Infinite print	☑ On
Reload images at next print job	Send modified data only
Without Compression PCX LZ	Set date/time
	OK Cancel <u>H</u> elp

Click on Resident layouts Click on the + Printer settings - ThermoCode 107M General Advanced Fonts Password Resident fonts Resident la Resident fonts Resident layouts Delete printer font list Current layout Delete the selected layout Delete font Send setting Send Store fixed images Shared O Local 🔘 Network Network settings Select printer On Optimize Default Automatic ad new program OK Cancel <u>H</u>elp

The installed Layout (Formats)

General Advanced Fonts Password	E tayouts	
Resident fonts	Resident layouts Label1	
Resident fonts	Resident layouts label1Test01	L
Delete printer font list	Current layout GTIN03G	
Delete font	Delete the selected layout Fonts	
Store fixed images	Send	
Network settings Select p	inetwork	
Network settings	inetwork	ult

Deleting a Printer Layout (Format)

l

1. Enter the Password (999999) 2. Select the layout to be deleted. 3. Click on Delete font.

General Advanced Fonts	、 I		
Password 🔒		- Layouts	
Resident fonts	Resident layouts	Labe	1 🕨
Resident fonts	Resident layou	ts label	1Test01
Delete printer font list	Current lay	- GTIN	
Delete font	Delete the selected	layout Fonts	
Send setting		Network	
Store fixed images	Send		
Shared	Local	Network	
Network settings			
Select pri	nter		
	On	Optimize	Default

This dialog box will appear. Select Yes to delete the layout (format)

Current layout	x
Are you sure you want to delete this file	?
<u>Y</u> es <u>N</u> o	

Codesoft 2014 Overview Manual. Version (Issue 1.1) Load Firmware to the Printer Automatically

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<u>s</u>	OD	ES	OF	T 2	014	4 -	Pre	o (I	DE	M	0)	- D	oci	um	en	1	8	1	L.																			
E FI	e	Ed	lit	Vi	ew	4	bj	ect		Da	ata	SO	urce	es	Т	ool	s	Wi	nda	w	н	elp																
: *		3	-	1	0	6			đ		×	1	6 1	Q	(5	Ľ,)	(24	(0	-	1	2 -			58	0	٣	Q	Q	0	2		3	91	80	*
: 3	r m	ag	v5				ú	2	Pr	int	er	se	tup	p(5	hif	t+	F5)		w.,	1	F	3	3			\$	X			U,								
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Printer settings - ThermoCode 107M General Advanced Fonts Password Layouts Resident fonts Resident layouts Fonts Resident fonts Resident layouts Resident fonts Network Current layout Delete printer font list Delete font Delete the selected layout Send setting ſ Send Store fixed images Shared O Local (Network Network settings Select printer On Optimize Default Download new program Automatic OK Cancel Help

1. Enter the password (999999)

- 2. Check "Automatic" box
- 3. Click on Download new program

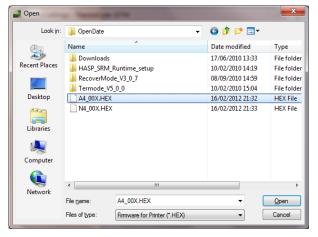
This dialog box appears when the firmware is being downloaded to the printer

General Advanced	·			
			Layouts	
Resident fonts	Resident la	ayouts	- Fonts	
Delet	Download system so	ftware to: Printe	r: A4_00X	
Send set				
		5 %		
Store fixe				
Network		Ca	incel	
	On		Optimize	Default
Dow	nload new program	🗸 🗸	Itomatic	

Note: - The version of firmware may differ from the version shown on this page.

Click on Advanced

Printer settings - ThermoCode 107M		×
General Advanced Fonts		
Use resident printer settings Burning time (µs) 170 From A to B		
20 Pressure (N) 100.0 Speed (mm)/s	3.0 Home offset (mm)	
	Current layout	
Check printer status	Destination memory	
10 🚔 Timeout(s)	Immediate printing	
 Infinite print Reload images at next print job 	🖉 On	
Compressed images	Send modified data only	
© Without © PCX ○ LZ	Set date/time	
	OK Cancel H	lelp



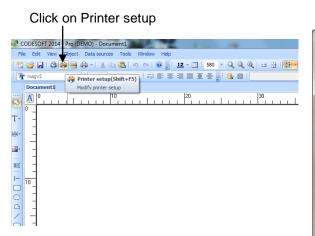
- 5. Select the firmware to be downloaded to the
- 6. Printer. Then click on Open

This error will appear if there is no communications

8

-	••••	Layouts
Resident fonts	Resident layouts	Fonts
Resident fonts	Resident layouts	Network
De Error		X
Send : Unable to establis Incorrect function	h printer communications. Chec 1.	k connections.
Unable to establis		k connections.
Unable to establis Incorrect function Store	ı. [*]	
Unable to establis Incorrect function Store	ı. [*]	

4. Locate the directory with the hex files



Click on Advanced

Printer settings - ThermoCode 107M	
General Advanced Fonts	1
Use resident printer settings Burning time (us)	
170 From A to B	
20 Pressure (N)	
100.0 🚔 Speed (mm)/s	3.0 Home offset (mm)
	Current layout
Check printer status	Destination memory
10 Timeout(s)	Immediate printing
Infinite print	☑ On
Compressed images	Send modified data only
Without Compression PCX LZ	Set date/time
	OK Cancel <u>H</u> elp

1. Enter the password (999999)

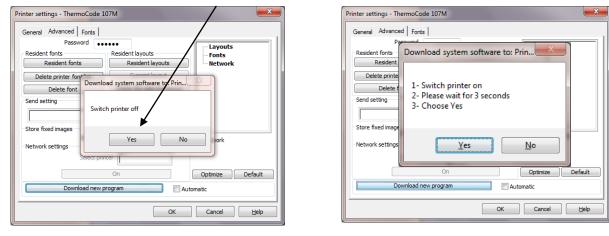
rinter settings - ThermoCode	107M	×
General Advanced Fonts		
Password		Layouts
Resident fonts	Resident layouts	Fonts
Resident fonts	Resident layouts	Network
Delete printer font list	Current layout	
Delete font	Delete the selected layout	
Send setting		
	Send	
l	Jenu	
Store fixed images	C Local O	Network
Network settings		I NELWORK
Select pr	inter	
	On	Optimize Default
Download new	program 🔲 Au	tomatic
	ОК	Cancel <u>H</u> elp

- 2. Do Not Check "Automatic" box
- 3. Click on Download new program

4. Locate the directory with the Hex files

🔄 Open	-	10786		×
Look <u>i</u> n:	퉬 OpenDate	•	G 🤌 📂 🛄 🗸	
æ	Name	*	Date modified	Туре
	퉬 Downloads		17/06/2010 13:33	File folder
Recent Places	HASP_SRM_	Runtime_setup	10/02/2010 14:19	File folder
	RecoverMo	de_V3_0_7	08/09/2010 14:59	File folder
	Termode_V.	5_0_0	10/02/2010 15:04	File folder
Desktop	A4_00X.HEX		16/02/2012 21:32	HEX File
Libraries	N4_00X.HEX	(16/02/2012 21:33	HEX File
Computer				
Network	•	III		•
	File <u>n</u> ame:	A4_00X.HEX	•	Open
	Files of type:	Firmware for Printer (*.HEX)	•	Cancel

- 5. Select the firmware to be downloaded to the
- 6. Printer. Then click on Open



This dialog box appears, Click on Yes and follow the instructions in the following dialog box

Note: - The version of firmware may differ from the version shown on this page.

Click on the "T" symbol or use press F7, place the cursor within the print area and click again.

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Click to place text, you will see the text	When Printed(0)
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box now highlighted red for editing	
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(2) 如此的 小 (m) 中 2 日本市市市美市 (m) (Q,Q,Q,Q,Q,Q)(M) (m) (m) (m) (m) (m) (m) (m) (m) (m) (m	
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	Database(0)
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Click on Fixed Text then scroll the mouse cross to the	- Table lookup(0) - Lizi Counter(0) - C2 Advanced(0)
label and click as above	- Water Color
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Text generation using Click on the red border to change it's	Table lookup00
	- EEI Counter(1)
colour to black. You can now move the	Contraction of the second s
Codessoft 2014 text box positions with arrow keys or	
with the mouse.	
with the mouse.	

Right click on the text box when this dialog box appears, click on Properties

	2
Text generation using Codessoft 2014	- for forwards - for forwards - of faile leader - of faile leader - (g. Adverset)
T mong pol P7 A Op Chir Caper Chir B por Chir	

From this Dialog box the user can change the font type and size of the font in millimeters or point line pacing

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OK Cancel Heb

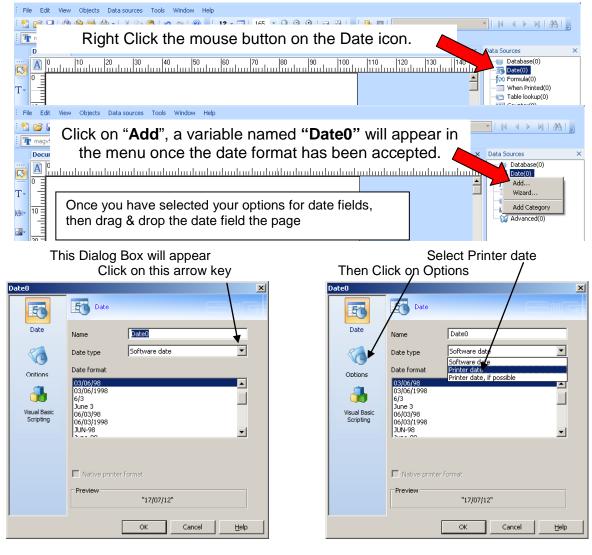
(a) Paragraph	CGRATTS CGRASTS6 CGRASTS6 CGRASTS7 CGRASTS8 CGRCON CGRASTS8 CGRCON	Unit point size • Size	1	Line specing (%)	120
Shape settings	Subset Color Latin • Poreground	Height 9.7 • Width 90 % •	Shape settings	Disable words hyphens Disable words hyphens Number of lows Microson =12h (%)	
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Text generation using Codessoft 2014	+
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Preview	
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	E bell Vinde Tor personal ung Codesent 2016 Prese ABCDEF philkl 123456

Creating Automatic Date & Time fields

Automatic date fields are text fields that will be automatically updated by the printer. An example of this is a date could have an automatic offset of 5 days. At midnight the date will automatically advance by 1 day, ensuring the customer always has a 5 day offset in the printed date.



This dialog box allows the user to select the required offset

Date0			×
5	Options		
Date	Date Offset		
6	Туре	Fixed	
Options	Value	0	•
-	Unit	Days	-
Visual Basic Scripting	Language	English	•
	Preview	"17/07/12"	
		OK Cancel	Help

A numeric value of 5 = 5 minutes, days or months

Date0					×
5	Options				
Date	Date Offset				
	Туре		Fixed	•	
Options	Value		5	÷	
- 🔒	Unit		Days Minutes		
Visual Basic Scripting	Language	English	Days Months	_	
	Preview	"22/07/12"			
		ок с	ancel	Help	

If an offset is required, choose which "unit" of offset is required. (Minutes, Days or Months) Select "Day" function within the options dialogue box, if a day offset is required.

Creating Automatic Date & Time fields Continued

WED/6/98 & Wednesday/6/98, The "6" being the Month of Year will print as Alpha character only. The system variable "SYSMONTH1 A,B.C,D,E,F,G,H,I,J,K,L" "A" being January.

Select the Date format required from the default Dates shown

Date0			×
53	Date		
Date	Name	Date0	
	Date type	Printer date	•
Ontions	Date format		
Visual Basic Scripting	03-JUN-98 03-June-98 WED/6/98 Wednesday/6/98 03/June/1998 Wednesday 03 J <customized></customized>		×
	Vative printer	format "22/07/12"	
		OK Cancel	<u>H</u> elp

Day of the week

Or select <Customized> and create the time format you require

DateO				×
53	Date			
Date	Name	Date0		
5	Date type	Printer date		•
Options	Date format			
-	03-JUN-98 03-June-98 WED/6/98			
Visual Basic Scripting	Wednesday/6/98 03/June/1998 Wednesday 03 Ju	ne 1998		
	<customized></customized>			•
	ddddd/m/yy			•
	Native printer f	ormat	dd (17) ddd (2) dddd (TUE)	
	Preview	"Tuesday/	ddddd (Tuesday)	
	L		mmm (JUL)	
		ОК	mmmm (July) j (199) jj (199)	

dd (11)	Day of month, 2 numeric characters
ddd (1)	Day of week as a numeric number Monday ="1"
dddd (MON)	Day of the week, 3 alphabetical "MON"
ddddd (Monday)	Day of the week, alphabetical "Monday"
j (101)	Julian Day of the year, 366 = 29 th Feb
jj (101)	Julian Day of the year, $366 = 31^{st}$ Dec
Month of the year m (4)	Month single alphabetical character, Jan = "A"
mm (04)	Month 2 numeric character Jan = "01"
mmm (JAN)	Month, 3 alphabetical "JAN"
mmmm (April)	Month, alphabetical "April"
Year y (2)	Year 1 numeric character 2012 = 2
уу (12)	Year 2 numeric characters 2012 = 12
уууу (2012)	Year 4 numeric characters 2012 = 2012
ww (02)	Week number of year 2 numeric characters

Time 24 hour hh (08)	24 hour time	Time 12 hour hhh (8)	12 hour
nn (37)	Minutes	nn (37)	Minutes am/pm
ss (23)	Seconds	AM/PM (am)	adds am or pm to the above

Creating Variable Counter Fields

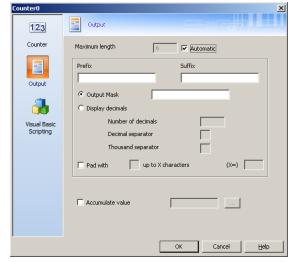
Variable counter fields are created initially in the same way as date fields

	014 - Pro (DEMO) - Document1		×
: 🏝 🚅 🔒 : 🔭 magv5	w Object Data sources Tools Window Help ③ 승규 금 슈 · / 상 과 전, 이 이 이 이 등 및: 12 · 피 348 · 이, 이 이 이 등 및: 12 · 피 348 · 이, 이 이 이 등 및: 12 · 피 348 · 이, 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이	Click on the Counter Icon	
0 - T	1 10 10 10 10 10 10 10 10 10 10 10 10 10	70 100 111(Database(0) targ(0) var)	×
Ne Cit Ves O	and en communica 	Right click then click on Add	×
T · ·		(*) Contentili (*) Dettili (*) Portugi (*) Portugi (*) Portugi	
60×00111篇1툍 및 #	Once you have entered the required data in the then drag & drop the counter on to the page	e fields,	

This dialog box appears

ounter0		2
123	123 Counter	
Counter	Name	Counter0
	Shared	
Output	Type Decimal	
-	Current value	Increment
Visual Basic	0	+1
Scripting	Min Value	Max Value
	0	9999
	Increment after	
	Having printed	1 label(s)
	C Each reset of	_
	🗖 Reset after data sou	rce value change
		Y
		OK Cancel <u>H</u> elp

Click on Output The user can add a Prefix and or Suffix if required



Enter the Current value, Min & Max Value required

Counter0		<u>×</u>
123	123 Counter	
Counter	Name	Counter0
	☐ Shared Type	
Output	Decimal	
Visual Basic	Current value	Increment +1
Scripting	Min Value	Max Value 999999
	Increment after	label(s)
	C Each reset of	
	🗖 Reset after data sou	rce value change
	,	
		OK Cancel <u>H</u> elp

Check "Pad with" The counter fields prints the leading zeros and is a requirement.

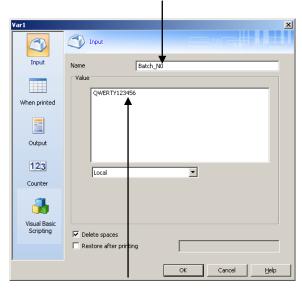
LounterU	<u>×</u>
123	
Counter	Maximum length 6 🔽 Automatic
	Prefix Suffix
Output	Output Mask Display decimals
Visual Basic Scripting	Number of decimals Decimal separator
	Thousand separator
	Pad with 0 up to X characters (X=) 6
	Accumulate value
	OK Cancel <u>H</u> elp

On completion click on OK

Creating Variable Text Fields

File Edit View Objects Data-sources Tools Window Help	
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: The magv5	
Document1 Image: Constraint of the state of	Click Data Sources × Database(0) Sources × Database(0) (% Formula(0)
	When Printed(0) - Table lookup(0) - Call Counter(0) - Call Advanced(1)
i File Edit View Objects Data sources Tools Window Help	
Ĩ: 🖄 🎯 🖳 I @ @ ∰ ∰ ↔ I ¾ 🖻 🖎 I ળ (∾ I @ ;; 22 + III 🔤 🔍 Q, Q, Q, I ⊟ 🗵 ;; 5 🖡 III 🔤	- IA A V A A
Images Images Document1 Click on "Add" The dialog box Var1 will appear	4 > x Data Sources × 130 140 Unit of the section of the s
□ === T- ==== ₩- 10 ===	Add Table lookup(0) Wizard Conter(0) Form customization Advanced(0)
	Add Category

1. The variable name can be a maximum of 9 alphanumeric characters Then click on "When printed



2. Enter the required information. The limit is 40 alphanumeric characters if the user needs to modify the field in the printer's keypad

3. Prompt is the same as the Variable name Batch_No Don't use spaces or punctuation In the variable name or Variable name

¥ar1	×
	When printed
Input	
	Prompt
When printed	Minimum length
Output	Input mask
123 Counter	Display in form
	Picklist (NONE>
Visual Basic Scripting	Force data to come from the list
,	OK Cancel Help

Enter the maximum length 40.

The user can enter a Prefix or Suffix In the example is Batch Number

Batch_N)	X
٢	
Input	Maximum length 40
When printed	Prefix Suffix Batch Number Output Mask
Output	C Display decimals Number of decimals Decimal separator
123	Thousand separator
Counter	Pad with up to X characters (X=)
Visual Basic Scripting	Accumulate value
	OK Cancel <u>H</u> elp

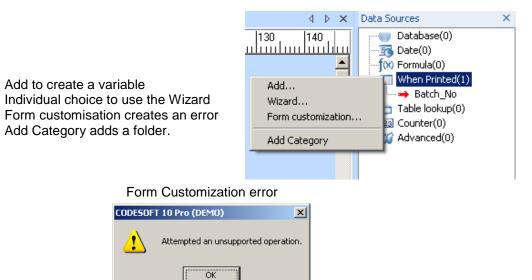
Click on "Output"

Creating Variable Text Fields Continued

File Edit View Objects Data sources Tools Window Help	
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Click on Batch_No and drag and drop	
	Database(0)
T- Click on "Text"	(7) Formula(0) When Printed(1) → Batch_N0
	Table lookup(0) 22 Counter(0) Advanced(0)
: File Edit View Objects Data sources Tools Window Help	
ः 📩 📸 🔚 🏟 🏶 🖶 🖨 - । 🐰 🗈 🛍 🗳 🗠 । 🎯 👷 💶 🔢 🖕	
Arial Bold • 12 • B I U = 1 = 2 • Name F9	
Document1 XX Size F10	↓ ▷ × Data Sources ×
Image: Content of the second	110 120 130 140 🔤 Database(0)
Batch Number: QWERTY123456	
	Table lookup(0)

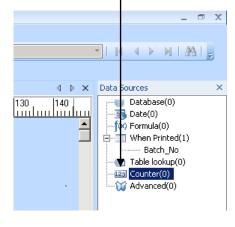
"12" shows the content Batch Number "QWERTY123456" Variable content is 12 characters.

"XX" Gives the size in this case would be 40 X's this does not affect the variable length sent to the printer. "X" Is the variable name "Batch_No"



If a Counter is required then the user is strongly advised to use the standard Counter field generator

atch_No	123 Counter		- we ce the hole	>
Input				
When printed	Type Decimal			
	Current value	Increment		
Output	QWERTY123456	+1		
123	Min Value	Max Value		
Counter	Increment after			
-	 Having printed C Each reset of 	1	label(s)	
Visual Basic Scripting	Reset after data sou	rce value change		
		ОК	Cancel H	elp





This page is then shown

Click on Window	Click on "New Vertical Tab Group"	
The first rate of the transmission many and the transmission of t	CONCENTRATE PARTICIPAL CONTINUES To Dia Was Quer Datamente To Dia Was Quer Datamente Senga querd unders Senga querd under	

This will then display both windows

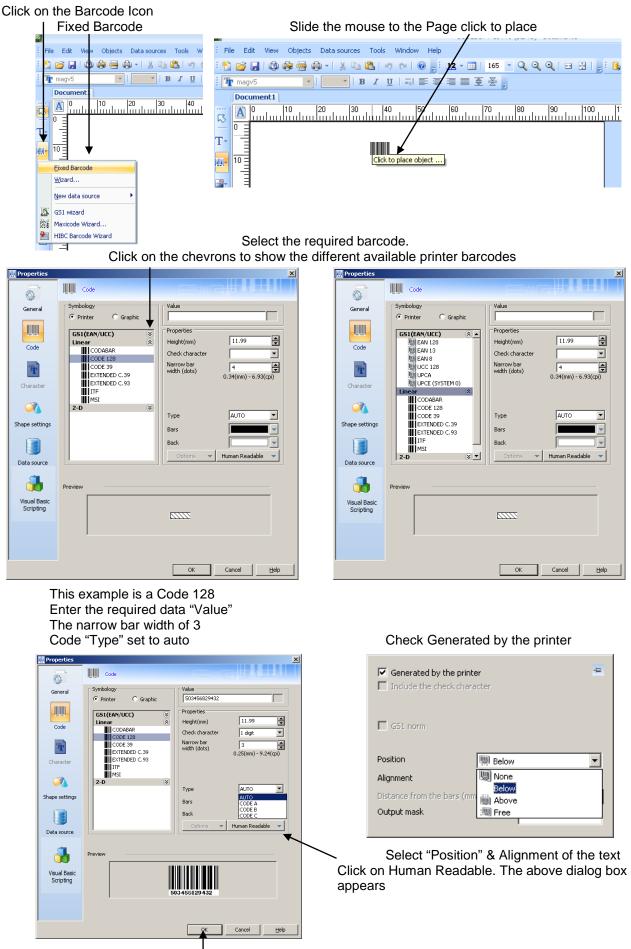
Car C	JOESOFT 2014 - Pro (DEMO) - DW(Example034		
1.15	Edit Were Object Data sources Tools Hindon Help		
183	월월월월월월 월 - 1 X 4 월 1 0 (10 € 12 - 12 (10 - 9 4 4 5 6 12 - 12 (10 - 14 6 12		
3	map1 + 6.65 * 目 Z 目 以前草油目至差 日 4 4 + H 的	A R B Bath Jo · F B B · .	
	DM_ExampleDia 1 1 X	0H_Examplet03a2	it is a Data Sources X
日本書書	 P	GTIM Indext24507001 ExpYrear 14 ExpMonth 11 Batch, No QWERTY1234546 ExpDay 17	Up () Coldback(0)
0.0 V 0.0 0			i i ui Contra (1) - [[] Advance(8)

The user if required can change the value sent to the printer

Clic	k on Form		
Print - (DM_Example03a)		Print - [DM_ExampleOJa]	
0105002345678901 CH002489F2300 CH002489F2302 CH0249FF2302 CH0249FF2302 CH0249FF2302 CH0249FF2302 CH0249FF2302 CH0249FF2302 CH0249FF2302 CH0249F7300 CH0249F77300 CH0249F7700 CH0249F7700 CH0249F7700 CH0249F7700 CH0249F7700 CH0249F7700 CH0249F7700 CH0249F7700 CH0249F7700 CH0249F7700 CH0249F7700 CH0249F7700 CH02700 C	General Form Database	01/05/02345673901 (21/02245162300 (10/02/WRTY1234546 Ed Dete 17/112014	General Form Database
Exp Date 17/11/2014	(# ThemsCole 1074, >COH4 • Settings	Extractar Exp Date 17/11/20 14	GTIN 05002345678901 ExpYear 14
	El Prote a Se		ExpNonth 11 Batch_No 00WERTY1234546 ExpDay 17
Perter (Hennoldik 1374, -COH4 Durithi 1 I Database (A. Senil, Carriert recards	Configuration	Print preview Point : ThermoCode 37M - >COM4 Database : A Sensi, Current records	
1980 Performance	Print Core	Beb Performance	Print Cose

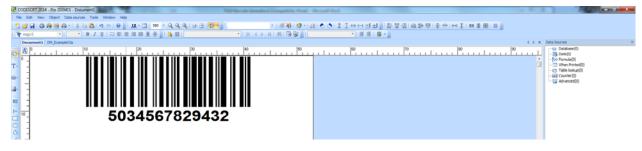
23 Dec 2014

Barcode Generation

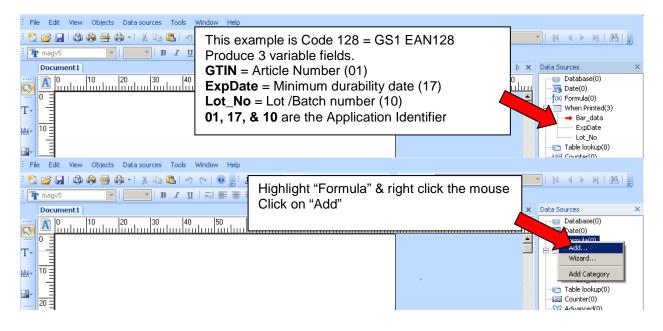


Continued on the next page.

"Thermocode Series" Codesoft 2014 Overview Manual. Version (Issue 1.1) Code 128 using the short form Auto

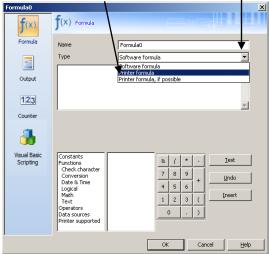


Barcode Generation with Fixed and Variable Fields



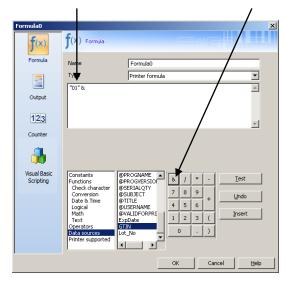
Barcode Generation Creating a Formula

This dialog will appear Click on this box Select Printer formula





Type in the box "01" and click on the "&" key



The Formula should look like this

I

Formula0						×
f(x)	f(x) Formula					
Formula	Name	Formula0				
	Туре	Printer formula			•	
Output	"(01)" & GTIN & "((17)" & ExpDate & "(1	0)" & Lot	_No	<u> </u>	
123					V	
Counter						
-						
Visual Basic Scripting	Constants Functions	@PROGNAME	& /	* -	Iest	
	Check character Conversion Date & Time	@SERIALQTY @SUBJECT	7 8	9 +	 Undo	
	Logical Math	@TITLE @USERNAME @VALIDFORPRI 1	4 5	6	Insert	
	Text Operators	ExpDate GTIN	1 2	3 (inor	
	Data sources Printer supported	Lot_No	0	<u> </u>		
1	,		ОК	Ca	ancel <u>H</u> elp	

Click on Output in Maximum length enter 40

Highlight GTIN variable and click on Insert

Formula f(x) Formula Formula Type Printer formula Output 123 11°% GTIN Counter Visual Basic Constants Visual Basic Constants @PROGNAME Visual Basic Constants @PROGNAME Visual Basic Constants @PROGNAME Visual Basic Constants @PROGNAME Pinter supported @Visual Decrement @ Jinter Supported Whet supported @Visual Decrement @ Jinter Supported Whet supported Image: Stantage	Formula0						×
Name Formulau Type Printer formula Output D1*>IN 12:3 D1*>IN Counter Image: Second S	f(x)	f(x) Formula				one±±	
Image: Second	Formula	Name	Formula0				
123 Counter Visual Basic Scripting Conversion Date & filme Date & filme What Weight Basic Conversion Date & filme Operators Date Surgest Date Surgest Printer supported Did a sources Date Surgest Substance Substance Date Surgest Surgest Date Surgest Date Surgest Date Surgest Date Surgest Date Surgest Date Surgest			Printer formula			•	
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Vsual Basic Scripting Constants (Precide tharacter Conversion Date & III Logical @PROGNAME (PROGNAME) @ / + - (Precide tharacter (Precide tharacter) Iest Usual Basic Conversion Date & IIII I copical @PROGNAME (Precide tharacter) @ / + - (Precide tharacter) Iest Usual Date & IIIII Precide tharacter @ UserNAME (Precide tharacter) @ / + - (Precide tharacter) Iest Usual Date & IIIII Printer supported @ UserName (Idt No Image: Ima	123					-	
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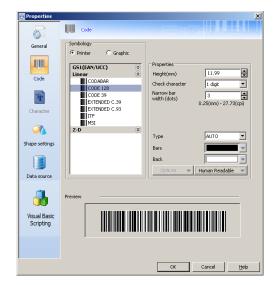
Click on Test shows the content of the Formula

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Click on "Bar_Data" and drag and drop, and then select Barcode

Select Code 128 & Type should be Auto

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Click on Human Readable

The barcode should like this

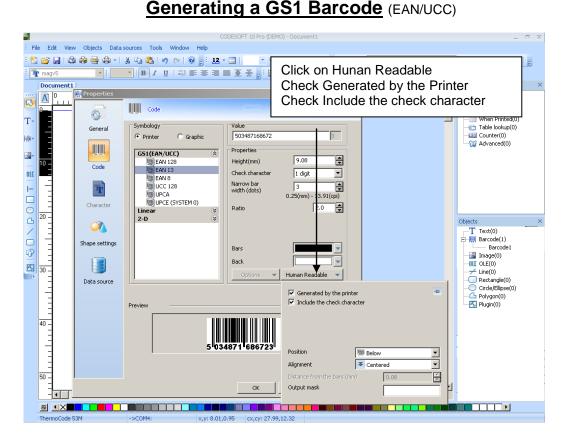
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Generating a GS1 Barcode (EAN/UCC)



Enter the required Barcode data





The resulting EAN13



Creating a Data Matrix Code (GS1. ECC200)

No serial Number

GTIN or CIP yymmdd Lot No 0103401234567891712062510123QWERTY

When a Serial number is required

Serial No. The \neg = <GS> The may be different depending on the code page. 010340123456789211222200000009-1712062510123QWERTY

The serial number in this example is: - Current Year, Julian Date & counter field followed by {GS}

Red: application Identifiers Blue: GS1, GTIN & or CIP codes.

Black: Expiry Date. The day if not required would be **00** Green: Batch/ Lot number. Only changes with different products types. (Can be Fixed or variable within the Printer) Variable field

Variable field

Creating a Data Matrix Code

The first requirement is to create the variable fields. In this example are GTIN, ExpDay, ExpMonth, Expyear and Batch_No & Batch_No.

_ =	х
ТИ ∢ ≻ ИТАТ,	
Data Sources	×
Database(0) Database(0) Date(2) Grownula(1) Date(2) When Printed(5) Batch_No ExpDay ExpMonth ExpYear GTIN Table lookup(0) Counter(1) Advanced(0)	

- (01) GTIN or CIP code
- (17) YYMMDD = Maximum Durability date
- (10) Batch or Lot Number

These Variable fields will make up the required Formula to produce the data matrix

Batch_No	= QWE124
ExpDay	= 13 (if day is not required then enter 00)
ExpMonth	= 11
ExpYear	= 13
GTIN	= 05002345678901

The "~1" = FNC1 with this driver Enter the required data as shown page 27

ataM					×
f (x)	f(x) Formula				m=
Formula	Name	DataM			
Output	Type "~1" & "01" & GTIN Batch_No	Printer formula, & "17" & ExpYear 8		ExpDay & "1	0" & _
Counter	Constants Functions Check character Conversion Date & Time Logical Math Text Operators Data sources	@USERNAME @WALIDFORPRI Batch_No Counter0 ExpRoat ExpRoat GTIN Julian Year	& / * 7 8 9 4 5 6 1 2 3 0 .	- + ()	Iest Undo
			ОК	Cancel	Help

The formulas should look like this

"~1" & "01" & GTIN & "17" & ExpYear & ExpMonth & ExpDay & "10" & Batch_No

The formula can also be written "~101" & GTIN & "17" & ExpYear & ExpMonth & ExpDay & "10" & Batch_No

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т. (01) <u>0500234</u> 5678901	Julian Year
(10)QWE124	⊡-fox Formula(1)
Exp Date 13/11/13	When Printed(5) Table lookup(0)
10 -	E-123 Counter(1)

Dec 2014

Creating a Data Matrix Code

This example includes a serial number made up using printer generated date fields. Year date "YY" Julian date "JJJ" & 9 digit counter

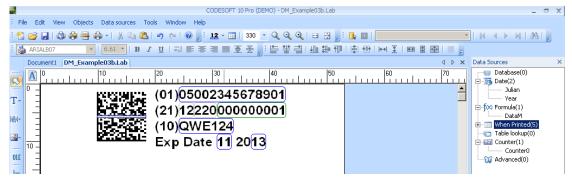
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1601+	(10)QWE124		When Printed(5) Batch No					
	Exp Date 13/11/13		ExpDay					
OLE			ExpMonth ExpYear					
-			GTIN					

The Formula should look like these examples

"~1" & "01" & GTIN & "21" & Year & Julian & Counter0 & "~d029" & "17" & ExpYear & ExpMonth & ExpDay & "10" & Batch_No "~101" & GTIN & "21" & Year & Julian & Counter0 & "~d02917" & ExpYear & ExpMonth & ExpDay & "10" & Batch_No

The tilled and d (~d) allow the user to enter ASCII character as a decimal code. ASCII character 029 = GS The conversion chart being used is ASCII Code page 1252

In this example the Exp date is Month and Year



"~1" & "01" & GTIN & "21" & Year & Julian & Counter0 & "~d029" & "17" & ExpYear & ExpMonth & "00" & "10" & Batch_No "~101" & GTIN & "21" & Year & Julian & Counter0 & "~d02917" & ExpYear & ExpMonth & "0010" & Batch_No

This shows the source code the printer requires too generate the above format

```
0FDM_Example03b
0PSPEED
            0100
0PBURN1
            0170
0PBURN2
            0170
OPPRESSURE
            20
0PHOMOFF
            03.0
OPROTATE
            0
0EGTIN
            005002345678901
0EObjDT0001 620,0,0,
0EObjDT0002 560,0,0
0ECounter0
            40000001,1,1,1,99999999
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            0240006407001(21)
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            0240009707001(10)
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