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# "Codesoft 10 Pro" Overview Manual Thermocode Series 2

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### Foreword

Throughout this document, trademarked names may be used. Rather than put a trademark (i 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 a only a general overview on setting up the Thermocode Series 2 range of Thermal transfer printers, so they can be controlled & programmed from within the Codesoft software. If you experience any difficulties in setting up your printer, please contact your local supplier.

All Thermocode Series 2 printer¢, use True type or Bitmap fonts that can be downloaded from within 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 Userc Guide & within the Codesoft software there are comprehensive ‰elp+menuc that also assist in design of the required formats for printing.

### **Codesoft Installation**

The Software will be supplied with a dongle, a Hardware Protection key. Which must be installed, in the **USB** port.

**Codesoft 10** automatically recognises the Hardware key If inserted be fore the Installation.

The Codesoft 10 CD will automatically load the software and display the dialog boxes shown below.



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



Click on Exit then insert the dongle.

### **Printer Set Up**

When the installation is completed open Codesoft 10

Check the box % o not display wizards by default+Then click on "Finish"



After Codesoft 10 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.



The Dialog Box below will appear. Click with your mouse on % dd+

| vame  | Port                                 |    |       | Settings   |          |
|---|--------------------------------------|----|-------|--|----------|
| EPSON Stylus Photo RX620 Series   | USB001                               |    |       |  | <u> </u> |
|   |                                      |    |       | <u></u> OM                                       |          |
|   |                                      |    |       | Remova   |          |
|   |                                      |    |       | bbA 1  | 5        |
|   |                                      |    |       | <u>donn</u>                                      |          |
|   |                                      |    |       | Port   |          |
|   |                                      |    |       | Font substitution                                | 1        |
|   |                                      |    |       | -  | _        |
|   |                                      |    |       |  |          |
|   |                                      |    |       |  |          |
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|   |                                      |    |       |  |          |
|   |                                      |    |       |  |          |
|   |                                      | OK | 0     | ancel <u>H</u> elp                               | 1        |
|   |                                      |    |       |  | _        |
| inter   |                                      |    |       |  | đ        |
| inter<br>Name   | Port                                 |    |       | Settings   |          |
| inter<br>Name<br>EPSON Stylus Photo RX620 Series  | Port<br>USB001                       |    | _     | ≥<br>Settings                                    |          |
| inter<br>Name<br>EP50N Stylus Photo RX620 Series<br>@ThermoCode 107M                      | Port<br>USB001<br>->COM4:            |    | _     | ≥<br>Settings<br>COM                             |          |
| inter<br>Name<br>EPSON Stylus Photo RX620 Series<br>ThermoCode 107M<br>ThermoCode S3M     | Port<br>USB001<br>->COM4:<br>->COM4: |    | _     | ≥ettings<br>⊆oM<br>Bemove                        |          |
| inter<br>Name<br>EPSON Stylus Photo RX620 Series<br>@ ThermoCode 107M<br>@ ThermoCode SSM | Port<br>USB001<br>->COM4:<br>->COM4: |    |       | ≥<br>Settings<br>©OM<br>Bernove                  |          |
| inter<br>Name<br>₱50N Stylus Photo RX620 Series<br>∰ ThermoCode I07M<br>∰ ThermoCode S3M  | Port<br>USB001<br>->COM4:<br>->COM4: |    | <br>[ | ≥ettings<br>©OM<br>Bemove<br>Add                 |          |
| inter<br>Name<br>EPSON Stylus Photo RX520 Series<br>∰ThermoCode IO7M<br>∯ThermoCode S3M   | Port<br>USB001<br>->COM4:<br>->COM4: |    | <br>[ | Settings<br>COM<br>Bernove<br>Add<br>Port        | I<br>A   |
| inter<br>Name<br>EPSON Stylus Photo RX620 Series<br>∯ ThermoCode 107M<br>∯ ThermoCode S3M | Port<br>USB001<br>->COM4:<br>->COM4: |    |       | Settings<br>COM<br>Bemove<br>Add<br>Bort         |          |
| inter<br>Name<br>EPSON 93yks Photo 8X620 Series<br>∰ThermoCode 107M<br>∯ThermoCode 53M    | Port<br>U58001<br>->COM4:<br>->COM4: |    | -     | Settings<br>Cott<br>Bemove<br>Add<br>Bort        |          |
| inter<br>Name<br>EPSON Stylus Photo RXS20 Series<br>∰ThermoCode IO7M<br>∯ThermoCode S3M   | Port<br>U58001<br>->COM4:<br>->COM4: |    |       | Settings<br>CoM<br>Bemove<br>Add<br>Bort         |          |
| inter<br>Name<br>EPSON Sylus Photo RX520 Series<br>∰ThermoCode IO7M<br>∯ThermoCode S3M    | Port<br>USB001<br>->COM4:<br>->COM4: |    | [     | ≥<br>Settings<br>QOM<br>Bernove<br>Add<br>Bort   |          |
| inter<br>Name<br>EPSON Stykis Photo 8X620 Series<br>∰ThermoCode 107M<br>∯ThermoCode 53M   | Port<br>USB001<br>->COM4:<br>->COM4: |    | [     | ≥<br>Settings<br>Cont<br>Berrove<br>(Add<br>Bort |          |
| inter<br>Name<br>EPSON Stylus Photo RXS20 Series<br>∰ThermoCode 107M<br>∯ThermoCode 53M   | Port<br>USB001<br>->COM4:<br>->COM4: |    | Ē     | ≥<br>Settings<br>COM<br>Berrove<br>âdd<br>Port   |          |
| inter<br>Name<br>EPSON Sylus Photo RX520 Series<br>∰ThermooCode<br>S3M                    | Port<br>USE001<br>->COM4:<br>->COM4: |    | ļ     | ≥<br>Settings<br>QOM<br>Bernove<br>Add<br>Bort   |          |
| inter<br>Name<br>EPSON Stylus Photo RX620 Series<br>∰ThermoCode 107M<br>∯ThermoCode 53M   | Port<br>USB001<br>->COM4:<br>->COM4: | OK | [     | ≥<br>Settings<br>COM<br>Berrove<br>Add<br>Bort   |          |

This Dialog Box will appear. Select the **% PEN DATE** + directory Select the communications port your Computer uses. Ensure the **@irect access+**is ticked.

| Model   | Port   |
|---|--|
| General Content of the interval of the in | COM1:<br>COM2:<br>COM2:<br>COM3:<br>COM4:<br>COM4:<br>COM4:<br>COM4:<br>COM4:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>COM5:<br>CO |

d the required model Printer Types

en Click on **% K**+to save the settings

| C | ;0 | d | e | S | 0 | f | t | С | 0 | r | ו | S |
|---|----|---|---|---|---|---|---|---|---|---|---|---|
|   |    |   |   |   |   |   |   |   |   |   |   |   |



### Printer Set Up Continued

| rinter                          |         |    |       | ×              |
|---------------------------------|---------|----|-------|----------------|
| Name                            | Port    |    |       | Settings       |
| EPSON Stylus Photo RX620 Series | U5B001  |    |       |                |
| ThermoCode 107M                 | ->COM4: |    | L     | <u>C</u> OM    |
| 🏈 ThermoCode 53M                | ->COM4: |    |       | <u>R</u> emove |
|                                 |         |    |       | <u>A</u> dd    |
|                                 |         |    |       | Port           |
|                                 |         |    |       |                |
|                                 |         |    |       |                |
|                                 |         |    |       |                |
|                                 |         |    |       |                |
|                                 |         |    |       |                |
|                                 |         | ок | Cance | l <u>H</u> elp |

#### "Settings button" this dialog box appears For more information see page 8 VI

| General Advanced Fonts  |                           |
|---|---------------------------|
| Use resident printer settings Burning time (µs) 220 From A to B 23 Pressure (N) | 3.0 🛱 Home offset (mm)    |
| 100.0 Speed (mm)/s  | Current layout            |
| Check printer status  | C Destination memory      |
| 10 Timeout(s)   | Immediate printing        |
| Infinite print  |                           |
| Reload images at next print job   | I On                      |
| Compressed images   | 🗖 Send modified data only |
| Without     C PCX C LZ  | Set date/time             |
|   | OK Cancel Help            |

#### "COM button" Port set up as shown

| COM4 Properties                          | ? ×  |
|--|------|
| Port Settings                            |      |
|  | _    |
| <u>B</u> its per second: <b>115200</b> ▼ |      |
| Data bits: 8                             |      |
| Parity: None                             |      |
| Stop bits: 1                             |      |
| Elow control: Hardware                   |      |
| <u>R</u> estore Defaul                   | ts   |
| OK Cancel A                              | pply |

#### "Remove button" removes Printers



#### Click on Tools and select Configuration.

| 6 | 2   |  | CODESO   | FT 10 Enterpris  | se RFID (DEMO) - Docum | nent1              |   | . <i>o</i> x |
|---|---|--|--|--|------------------------|--------------------|---|--------------|
|   | File     Edit     View     Objects     Data sources       Image: Im | Tools         Window           Shared data :         Log file           Log file         Set Password           Configuration         Administrator           Betwork.Adm         Betwork.Adm           Database Ma         Form Designe           Pom Designe         Log file           Label company         Form Designe           Label company         Label company | Heb<br>Jources management<br>COBC<br>ODBC<br>OLEDB<br>Interpreter<br>hager<br>der<br>r | Shit+Ak+F3<br>Shit+Ak+F3<br>Shit+Ak+F4<br>Shit+Ak+F4<br>Shit+Ak+F5 |                        | 1<br>9 9 0 0 0 0 1 | Database()<br>Database()<br>Database()<br>Database()<br>Man Prited()<br>Man Prited()<br>Hig Counter()<br>Hig Counter()<br>Hig Counter() | ))<br>       |
|   |   |  |  |  | 1                      |                    |   |              |

#### "Port button" allows the user to change the port



- 6 -

### Printer Set Up Continued

#### Select by checking the box's



#### Select the required Language



#### From these dialog box's 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







Page Set up (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 **%abel**+

| Page setup       |                                      |         | ×              |
|------------------|--------------------------------------|---------|----------------|
| Stock Label      |                                      |         |                |
| Туре             | Thermocode                           | /       | -              |
| Name             | 107M                                 |         | -              |
| Number of labels | :: 1                                 | Preview |                |
| Label size :     | 108.00×<br>106.60(mm)                |         |                |
| Page size :      | Customized<br>108.00 ×<br>106.60(mm) |         |                |
| Background :     |                                      |         |                |
| <none></none>    | <b>•</b>                             |         |                |
| Comment          |                                      |         |                |
|                  |                                      | Save    | <u>R</u> emove |
| Page width too b | ig                                   |         |                |
| Settings         | ОК                                   | Cancel  | Help           |

The Dialog Box allows the user to change the print area (width and height) to suit the Printer being used.

| Page setup  |                                |         | ×    |
|---|--------------------------------|---------|------|
| Stock Label Page                                      | Margins                        |         |      |
| Label size(mm)<br>Width<br>Height<br>Corner roundness | 106.60 🗘<br>106.60 🗣<br>0.00 🗣 | Preview |      |
| -Number of labels<br>Per row                          |                                |         | _    |
| Per column  | 1                              |         |      |
|   |                                |         |      |
|   |                                |         |      |
| Settings  | ОК                             | Cancel  | Help |

| 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             |

Corner roundness, Per row and Per column are set as shown.

# Page Set Up (continued)

Select %Rage+ensure that %Automatic sizing+ is checked

| <ul> <li>Page size(mm) —</li> </ul> |        | - Preview |  |
|-------------------------------------|--------|-----------|--|
| Customized                          | _      |           |  |
| Width                               | 106.60 |           |  |
| Height                              | 106.60 |           |  |
| Port                                | rait   |           |  |
| C Land                              | lscape |           |  |
|                                     |        |           |  |

|      | Preview |        |      |
|------|---------|--------|------|
|      |         |        |      |
| 0.00 |         |        |      |
| 0.00 |         |        |      |
| ,    |         |        |      |
|      |         |        |      |
|      |         |        |      |
|      |         |        |      |
|      |         |        |      |
|      | 0.00    | 0.00 - | 0.00 |

Click on "OK" to save the page and sizes.

### Alternatively you can save the label with some comments.

| Stock Label Page Margins Type Thermocode Name 107M Number of labels : 1 Label size : 106.60 × 106.60(mm) Page size : Customized 106.60 × 106.60(mm) Background :   |                |                                      |         |        |
|--|----------------|--------------------------------------|---------|--------|
| Type         Thermocode           Name         107M           Number of labels :         1           Label size :         106.60 ×           106.60 ×         106.60 ×           106.60 ×         106.60 ×           Background :         Image: State in the sta | Stock Label    | Page Margins                         |         |        |
| Name         107M           Number of labels :         1           Label size :         106.60 ×           106.60 (mm)         106.60 ×           Page size :         Customized           106.60 (mm)         106.60 (mm)           Background :  | Туре           | Thermocode                           |         |        |
| Number of labels :         1           Label size :         106.60 ×           106.60(mm)         106.60 ×           Page size :         Customized           106.60 ×         106.60 ×           106.60(mm)         106.60(mm)           Background :   | Name           | 107M                                 |         |        |
| Label size : 106.60 ×<br>106.60(mm) Page size : Customized<br>106.60 ×<br>106.60(mm) Background :<br><none></none>   | Number of labe | els : 1                              | Preview |        |
| Page size : Customized<br>106.60 ×<br>106.60(mm)<br>Background :   | Label size :   | 106.60 ×<br>106.60(mm)               |         |        |
| Background :<br><none></none>  | Page size :    | Customized<br>106.60 ×<br>106.60(mm) |         |        |
| <none></none>  | Background :   |                                      |         |        |
|  | <none></none>  |                                      |         |        |
| Comment  | Comment        |                                      |         |        |
|  |                |                                      | Save    | Remove |
| Save Remov   |                | -                                    |         |        |
| Save Remov   |                |                                      |         |        |

You can add Comments with in this Box if required.

Press Save+when finished, then press SK+

#### Check Printer default

### **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 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.

| <b>—</b> •                              | Printer settings - ThermoCode 107M                      |   |
|---|---|---|
|   | General Advanced Fonts                                  |   |
| File Edit View Fects Data sources Tool: | Use resident printer settings Burning time (µs)         | 1 |
| : 🔁 🚰 🛃 🕲 🏟 🖶 🖨 +   🔬 🖺 🖺               | 170 Trom A to B   | 2 |
| Document 1                              | 20 Pressure (N) 100.0 Speed (mm)/s 3.0 Home offset (mm) | 2 |
|   | Current layout  |   |
|   | 10        ∃ Timeout(s)        Infinite print            |   |
|   | Reload images at next print job     Compressed images   | 3 |
|   | C Without C PCX C LZ Set date/time                      | 4 |
|   | OK Cancel <u>H</u> elp                                  |   |

- 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 uses the default values as set up in Supervisor+menu of the Terminal.
- 2 <u>Printer Settings:</u> Are the Burn, Pressure, Speed and Home offset values that will be down loaded with the format design, if the Used 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)

**<u>Reload images at print time</u>:** After down loading 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, you will have an error message, 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, this mainly used when Variable Graphics are being loaded to a Printer from a Database. These Can be compressed as a: - **PCX** or **LZ**.

Infinite print: With this not ticked 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 & Time to be in synchronisation with the PC, or as the user requires.

### **Downloading True Type Fonts** (\*.TTF)

#### Click on % Tools + and then click on % Font Downloader +

| \$  |                                     |          | CODESOFT 1                     | LO Pro (DEMO) - D | ocument1 |         |     |       | _ = ×               | ¢ |
|-----|-------------------------------------|----------|--------------------------------|-------------------|----------|---------|-----|-------|---------------------|---|
| 8.1 | File Edit View Objects Data sources | Too      | s Window Help                  |                   |          |         |     |       |                     |   |
| : 1 | 🖞 📂 🗔 । 🚳 🏟 🖷 🖨 - । 🐰 🗈 ।           |          | Shared data sources management | •                 |          | : 🕩 🖬 🛛 |     |       | • I K → → M I A I 🖕 |   |
| : [ | 🛉 magv5 🔹   💌   B                   |          | Set Password                   |                   |          |         |     |       |                     |   |
|     | Document1                           |          | Configuration                  |                   |          |         |     | 4 Þ X | Data Sources        | × |
|     | 0 10 20 30                          | Ŧ        | Administrator ODBC             |                   | 0 100    | 110 120 | 130 | 140   | Database(0)         | ٦ |
|     |                                     | <b>B</b> | Administrator OLEDB            |                   |          | 1       |     |       | Date(0)             |   |
| T   | ,                                   | 3        | Command File Interpreter       | Shift+Alt+F3      |          |         |     |       | When Printed(0)     |   |
|     | 10 =                                | 8        | Database Manager               | Shift+Alt+F1      |          |         |     |       |                     |   |
|     |                                     | R        | Font Downloader                | Shift+Alt+F2      |          |         |     |       |                     |   |
| ~   | 20 =                                |          | User tools                     | •                 |          |         |     |       |                     |   |
| 01  |                                     |          | LABELVIEW Batch Converter      |                   |          |         |     |       |                     |   |

Before downloading any fonts do 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.

| Duinton       | Duinten     |             | Oalaat    | Davin | Dalata   | Faul |      |       |
|---------------|-------------|-------------|-----------|-------|----------|------|------|-------|
| Type          | Setup       | Wizard      | Font      | Load  | Font     | Size | Help | Exit  |
|               |             |             | / /       |       |          |      |      |       |
|               | 50FT 10 P/  | o : Fort Do | ownloader |       |          |      |      | - 🗆 🗵 |
| Printer       | View Fornt  | Нейр        |           |       |          |      |      |       |
|               |             | 聖 🛉         | X         | 2 2   | <u>-</u> |      |      |       |
| Fonts         | to download | ł           |           |       |          |      |      |       |
|               |             |             |           |       |          |      |      |       |
|               |             |             |           |       |          |      |      |       |
|               |             |             |           |       |          |      |      |       |
|               |             |             |           |       |          |      |      |       |
|               |             |             |           |       |          |      |      |       |
|               |             |             |           |       |          |      |      |       |
|               |             |             |           |       |          |      |      |       |
|               |             |             |           |       |          |      |      |       |
| )<br>ThermoCo | de 107M,->  | COM4:       |           |       |          |      |      | //    |

### Font "Icon" Descriptions.

### Downloading True Type Fonts (\*.TTF) continued

1. Click on **% ont select+**, scroll down and search for the font you require.



2. In this case "Times New Roman Bold" click on the font.

| Font selecti            | on and settings   |               |           | ×                     |       |
|-------------------------|-------------------|---------------|-----------|-----------------------|-------|
| _System for             | nts               |               |           |                       |       |
| !#\$                    | \$% <u>@()</u> 01 | 2AaPp         | oWw       |                       |       |
| Select font<br>Times Ne | w Roman Bold      | ▼ Western     | T         | I                     |       |
| Font to do              | wnload            |               |           |                       |       |
| Font name<br>Times Bold | <u>+</u>          |               |           |                       |       |
|                         | <b>A</b>          |               |           |                       |       |
| -                       |                   |               |           |                       |       |
| I Italic                |                   |               |           |                       |       |
| I Bold                  |                   |               |           |                       |       |
|                         |                   |               |           |                       |       |
|                         |                   |               |           |                       |       |
|                         |                   |               |           |                       |       |
|                         |                   |               |           |                       |       |
|                         | ОК                | Cancel        | Help      |                       |       |
|                         | •                 | $\overline{}$ |           |                       |       |
|                         |                   |               |           |                       |       |
| it the font i           | name. if required | l. ``         |           |                       |       |
| iximum len              | gth up to 10 cha  | racters       |           |                       |       |
|                         |                   | 4.            | Click "OK | <b>(</b> " when compl | eted. |

### Downloading True Type Fonts (\*.TTF) continued

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



Due to this Printer Memory size, a maximum of two fonts of this size can be used.

Automatically when you select % des+the font will be downloaded to the printer.

| CODESOFT 10 Pro : Font Downloade r       Printer View Eont Help       State  |
|--|
| Printer View Eont Help   |
|  |
| Font s to download     Font South of the second secon |
| Arial Bold ("Arial")<br>Arial ("Arial")  |
|  |
| !#\$%@()012AaPpWw  |
| ThermoCode 107M,->COM4: Times 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 10 Pro : Font                    | Downloader _ [ ] × |
|---|--------------------|
| Printer View Eant Help                    |                    |
| <u>28</u> / F                             | × 🕸 🔋 📲            |
| Fonts to down ad                          | -                  |
| Arial Bold ("Arial")<br>ODECON ("ODECON") | oman")             |
|   |                    |
|   |                    |
|   |                    |
|   |                    |
| <u> </u>                                  |                    |
| <br> ThermoCode 107M,->COM4:              |                    |
|   |                    |

T

Click on the **@ownload Font+**button, this will copy all selected fonts to the printer.

- 12 -

### Downloading Bitmap Fonts (\*.SFP)

1. Click on % Rrinter setup+



2. This Dialog Box will appear Click On Fonts.

|  | M  |
|--|--|
| General Advanced Fonts   |  |
| Use resident printer settings  |  |
| Burning time (µs)  |  |
| 220 🚔 From A to B  |  |
| 23 Droccure (b)  |  |
| Pressure (N)   | Home offset (mm)   |
| 1 1 m m m 1 / 1 / 1  |  |
| 100.0 Speed (mm)/s   |  |
| 100.0 Speed (mm)/s   | Current layout   |
| Check printer status   | Current layout   |
| Check printer status     Timeout(s)  | Current layout  Current layout  Destination memory  Immediate printing   |
|  | Current layout  Current layout |
| 100.0 Speed (mm)/s      Check printer status      Timeout(s)      Infinite print      Reload images at next print tob                      | Current layout           Current layout           Impedate printing           Immediate printing           Immediate printing  |
| 100.0     Speed (mm)/s       Check printer status       10     Timeout(s)       Infinite print       P     Reload images at next print job | Current layout  Current layout |
| 100.0 Speed (mm)/s      Check printer status     Theout(s)      Infinite print     Reload images at next print job     Compressed images   | Current layout  Current layout |

3. Click on % elect a SFP font+.

7. The SFP font is Arial Bold.

Click on this button

4. Select directory with **\* .sfp**+fonts.



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

6. Then click on % Open+

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.



- 9. Click on **Download the SFP font**+to load to the Printer.
- ? × Font style Eont: Arial Bold 0K Arial Regular \* Cancel O Arial Black Ital O Arial Black O Arial Narrow The Arial Rounded MT Bolk The Baskerville Old Face O Bauhaus 93 The Bell MT Bold Bold Itali 14 -• 16 Sample AaBbYyZz Script • Western

### **Checking the Fonts Loaded to the Printer**

# Click on Printer setup

| 8               |                        | CODESOFT 10         |
|-----------------|------------------------|---------------------|
| EFile Edit View | Óbjects Data sources T | ools Window Help    |
| : 🚵 💕 🔚 I 🕸 🎑   | 🕯 🖨 🖌 ا 🖌 🖨 🛢          | ו ייז 🕲 🚽 🗄 ו       |
| 🕴 👍 magv5       | 🙀 Printer setup(Shift  | :+F5)   ₩ Ε Ξ Ξ Ξ Ξ |
| Document1       | Modify printer setup   |                     |
|                 | 0  20  30              | 40 50 60            |
|                 |                        |                     |
| 1               |                        |                     |
| ₩. 10 1         |                        |                     |

#### Click on Advanced

| 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<br>Compressed images | Send modified data only |
| Without     Compression     PCX     C     LZ         | Set date/time           |

### Click on Resident fonts

| Click on the +  | The installed fonts   |
|---|---|
| Printer settings - ThermoCode 107M  | Printer settings - ThermoCode 107M  |
| General Advanced Forts Password Resident fonts Resident layouts Delete printer font list Delete font Delete font Send setting Send Store fixed images | General Advanced Forts<br>Password<br>Resident fonts<br>Resident fonts<br>Resident layouts<br>Delete printer font list<br>Delete font<br>Send setting<br>Store fixed images |
| Shared         Local         Network           Network settings         Select printer         Network  | Network settings  |
| On Optimize De  | efault On Optimize Default Download new program Automatic   |
| OK Cancel   | Help OK Cancel Help   |

### **Deleting a Printer Font**

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

| anard Advanced Forta          | 1071/1                     |                  |
|-------------------------------|----------------------------|------------------|
| Password ••<br>Resident fonts | Resident layouts           | Layouts          |
| Resident fonts                | Resident layouts           | ARIA 808         |
| Delete printer font list      | Current layout             |                  |
| Delete font                   | Delete the selected layout | ODECON           |
| Send setting                  |                            | Network          |
|                               | Send                       |                  |
| Store fixed images            | a                          |                  |
| Network settings              | U Local O                  | Network          |
| Select pri                    | nter                       |                  |
|                               | On                         | Optimize Default |
| Developed news                | program                    | tomatic          |

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                     |   |

#### Note: - All Variable Printer fields the user must select a Printer TTF or SFP Font

# **Checking Formats Loaded to the Printer**

| Click o          | n Printer setup<br>I                   |
|------------------|--|
| S.               | CODESOFT 10                            |
| E File Edit View | Objects Data sources Tools Window Help |
| : 🎦 💕 🛃 🚳        | 🚱 🖶 🖨 -   🐰 🗈 🖺 🖃 (~ ) @ 🚽 🗄 12 - 🔳    |
| 🛉 ႃ magv5        | 🙀 Printer setup(Shift+F5) 🛛 🖘 🚍 🗮 🧕    |
| Document1        | Modify printer setup                   |
|                  | 10 20 30 40 50 60                      |

#### Click on Advanced

| eneral Advanced Fonts<br>Use resident printer settings<br>Burning time (us)<br>170 From A to B                          |  |
|---|--|
| 20  | 3.0 Home offset (mm)   |
| Check printer status<br>10 😭 Timeout(s)<br>2) Infinite print<br>2) Reload images at next print job<br>Compressed images | Destination memory     Immediate printing     On     Send modified data only |
| Without OPCX OLZ  | Set date/time  |

| k on Resident                   | layouts                    | n the +          |
|---------------------------------|----------------------------|------------------|
| nter settings - ThermoCode 1    | 107M                       |                  |
| General Advanced Fonts Password |                            | Layouts          |
| Resident fonts                  | Resident layouts           | Fonts            |
| Delete printer font list        | Current layout             | Inclusion R      |
| Delete font                     | Delete the selected layout |                  |
| Store fixed images              | Send                       |                  |
| Network settings                | C Local O                  | Network          |
| Joiocc pri                      | On                         | Optimize Default |
|                                 |                            |                  |

### The installed Layout (Formats)

| Resident fonts           | Resident layouts           | Layouts          |
|--------------------------|----------------------------|------------------|
| Resident fonts           | Resident layouts           | label1Test01     |
| Delete printer font list | Current layout             |                  |
| Delete font              | Delete the selected layout | Fonts            |
| Send setting             |                            | Network          |
|                          | Send                       |                  |
| Store fixed images       |                            |                  |
| Shared                   | C Local O                  | Network          |
| Select pri               | inter                      |                  |
|                          | On                         | Optimize Default |
| 2 1 1                    | -                          |                  |

### **Deleting a Printer Layouts**

Enter the Password (999999) Select the layout to be deleted.



This dialog box will appear. Select Yes to delete the Layout (Format)

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

# Loaded the Firmware to the Printer Automatically

| Click on I         | Printer setup                         |
|--------------------|---------------------------------------|
| 5                  | CODESOFT 10                           |
| E File Edit View 🕏 | bjects Data sources Tools Window Help |
| : 📩 💕 🔒 I 🕸 🚱      | 🖶 🖨 - । 🐰 🗈 🖺 🖃 ल्पा 🎯 👷 12 - 🔳       |
| Tr magv5           | 🚱 Printer setup(Shift+F5)   🖘 💷 🗮 🗮   |
| Document1          | Modify printer setup                  |
|                    | 20 30 40 50 60                        |

#### Click on Advanced

| Printer settings - ThermoCode 107M   | <b>—X</b> —          |
|--|----------------------|
| General Advanced Fonts   |                      |
| Use resident printer settings<br>Burning time (µs)<br>170 Grow A to B<br>20 Pressure (N)   |                      |
| 100.0 Speed (mm)/s   | 3.0 Home offset (mm) |
| Check printer status           Image: Timeout(s)           Infinite print           Reload images at next print job           Compressed images           Without         PCX           Optimized images | Set date/time        |
|  | OK Cancel Help       |

1. Enter the password (999999) Printer settings - ThermoCode 107M General Advanced Fonts Password ..... Layouts Fonts Resident fonts Resident layouts 
 Resident Tonts
 Resident layouts

 Resident fonts
 Current layouts

 Delete printer font list
 Current layout
 Network Delete font Delete the selected layout Send setting Send Е Store fixed images Shared O Local 💿 Network Network settings Select printer On Optimize Default Download new program ✓ Automatic OK Cancel Help

Check %utomatic+box
 Click on Download new program

This dialog box appears when the Firmware is being downloaded to the Printer

| Password       | »                |                  |                  |
|----------------|------------------|------------------|------------------|
| Decident fonte | Perident la      | voute            | Layouts          |
| Delet Dowr     | nload system sof | ftware to: Print | er: A4_00X       |
| Store fixe     |                  |                  | Cancel           |
|                | On               |                  | Optimize Default |
| Download r     | iew program      |                  | sutomatic        |

4. Locate the directory with the Hex files

| 🛃 Open        | - frank a      | a 1074                      |                  | ×           |
|---------------|----------------|-----------------------------|------------------|-------------|
| Look in:      | 📙 OpenDate     |                             | - G 🕫 🖻 🖽 -      |             |
| e.            | Name           | *                           | Date modified    | Туре        |
|               | ) Download     | s                           | 17/06/2010 13:33 | File folder |
| Recent Places | HASP_SRM       | A_Runtime_setup             | 10/02/2010 14:19 | File folder |
|               | 🐌 RecoverM     | ode_V3_0_7                  | 08/09/2010 14:59 | File folder |
|               | 🍌 Termode_     | V5_0_0                      | 10/02/2010 15:04 | File folder |
| Desktop       | A4_00X.H       | EX                          | 16/02/2012 21:32 | HEX File    |
| Libraries     | N4_00X.H       | EX                          | 16/02/2012 21:33 | HEX File    |
| 1             |                |                             |                  |             |
| Computer      |                |                             |                  |             |
|               |                |                             |                  |             |
| Network       | •              | m                           |                  | •           |
|               | File name:     | A4_00X.HEX                  | - (              | Open        |
|               | Files of type: | Firmware for Printer (*.HE) | ×) •             | Cancel      |

- 5. Select the firmware to be downloaded to the 6. Printer. Then click on Open
  - This error will appear if there is no Communications

|                                       |                                 | ••                               | Layouts                                   |
|---------------------------------------|---------------------------------|----------------------------------|---|
| esident fonts                         |                                 | Resident layouts                 | - Fonts                                   |
| Resident fo                           | nts                             | Resident layouts                 | Network                                   |
| D Error                               | Section .                       |                                  | 23  |
|                                       |                                 |                                  |   |
|                                       |                                 |                                  |   |
| and                                   |                                 |                                  |   |
| end Unable t                          | to establish pri                | inter communications. C          | heck connections.                         |
| Unable t                              | to establish pri                | inter communications. C          | heck connections.                         |
| Unable t<br>Incorrec                  | to establish pri<br>t function. | inter communications. C          | heck connections.                         |
| Unable 1                              | to establish pri<br>t function. | inter communications. C          | heck connections.                         |
| end : Unable t<br>Incorrectore        | to establish pri<br>t function. | inter communications. C          | heck connections.                         |
| end Unable t<br>Incorrectore          | to establish pri<br>t function. | inter communications. C          | heck connections.                         |
| end Unable 1<br>Incorrectore          | to establish pri<br>t function. | inter communications. C          | heck connections.                         |
| end Unable 1<br>Incorrec<br>tore      | to establish pri<br>t function. | inter communications. C          | heck connections.                         |
| end :<br>Unable t<br>Incorrec<br>etwo | to establish pri<br>t function. | inter communications. C<br>Retry | heck connections.                         |
| end :<br>Unable t<br>Incorrec<br>etwo | to establish pri<br>t function. | Retry                            | heck connections.                         |
| end :<br>Unable t<br>Incorrec<br>etwo | to establish pri<br>t function. | nter communications. C<br>Retry  | heck connections. Cancel Optimize Default |
| end : Unable t<br>Incorrec            | to establish pri                | nter communications. C<br>Retry  | heck connections. Cancel Optimize Default |

### Loaded the Firmware to the Printer Manually

| Click on      | Printer setup                                  | C            |                     |
|---------------|--|--------------|---------------------|
| S             |  |              | CODESOFT 10         |
| Edit View     | bjects Data sources                            | Tools Windo  | ow Help             |
| : 🐴 💕 🔒 I 🚳 🚱 | 🛛 🖶 🖨 📲 🖓 🖶                                    | <b>™</b> (~) | 🕜 😴 : <u>12</u> - 🔲 |
| 👖 🕂 magv5     | 🙀 Printer setup(S                              | hift+F5) 📃 🎫 | ▏⋿⋷⋷∎ቜ              |
| Document1     | Modify printer set                             | qu           |                     |
|               | 20  30<br>111111111111111111111111111111111111 | 40<br>       | 50 60<br>1          |

#### Click on Advanced

| Printer settings - ThermoCode 107M  | • • • • • • • • • • • • • • • • • • •  |
|---|--|
| General Advanced Fonts<br>Use resident printer settings<br>Burning time (us)  |  |
| 170 ➡ From A to B<br>20 ➡ Pressure (N)<br>100.0 ➡ Speed (mm)/s  | 3.0 Home offset (mm)   |
| Check printer status           Image: Timeout(s)           Infinite print           Reload images at next print job           Compressed images           Without           PCX | Content appoint     Destination memory     Immediate printing     On     Send modified data only |
|   | OK Cancel Help   |

4. Locate the directory with the Hex files



- 2. Do Not Check &utomatic+box
- 3. Click on Download new program
- 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



| General Advanced   | General Advanced Fonts  |  |  |  |
|--|---|--|--|--|
| Resident fonts Resident Delete printe Delete f Send setting Stars fixed income | 1- Switch printer on<br>2- Please wait for 3 seconds<br>3- Choose Yes |  |  |  |
| -Network settings  | Yes No  |  |  |  |
| On Optimize Default  |   |  |  |  |
|  | OK Cancel Help  |  |  |  |

### 1. Enter the password (999999)

### Text Generation

Click on the 75, and then place the cursor within the print area and click again.



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

| A P                                     | ext using Arial Bold 12 Point<br><sup>T</sup> Wring tool P7<br><sup>A</sup> Cut CbHx<br><sup>A</sup> Chx<br><sup>A</sup> Chx<br><sup>A</sup> Chx<br><sup>A</sup> Chx<br><sup>A</sup> Chx<br><sup>A</sup> Chx<br><sup>A</sup> Chx<br><sup>A</sup> Chx<br><sup>A</sup> Chx<br><sup>A</sup> CbHx<br><sup>A</sup> Chx<br><sup>A</sup> | 100         110         120         130         140         150         160         170         Database(i           International internatinternatintereextended internatintereextended internatinternatio |
|---|--|---|
|   | Sing to fight       Wig       Bend to Back       Properties       Wisard       Wisard       Delete       Set as default  | Paragraph       Super settings       Subset       Color       Itam       Paragraph       Subset       Color       Itam       Paragraph       Itam   |
| n this Dialog box<br>size of the font i | the user can change the font<br>n millimeters or point   | type<br>type<br>type<br>the source<br>Predew<br>ABCDEF ghijki 123456<br>Là ╚╠điópbý-°   |

### **Creating Automatic Date & Time fields**

Automatic date fields are text fields that will be automatically updated by the Printer. Typically a %Best Before+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 date.



the required offset Date0

| Date    | ⊤Date Offset |            |       |     |
|---------|--------------|------------|-------|-----|
| 5       | Туре         |            | Fixed | •   |
| Options | Value        |            | 0     | A I |
|         | Unit         |            | Days  | •   |
|         | Language     | English    |       | •   |
|         | Preview      | "17/07/12" |       |     |

| Date0   |              |            | ×          |
|---------|--------------|------------|------------|
| 50      | Options      |            |            |
| Date    | ⊤Date Offset |            |            |
|         | Туре         | Fix        | ed 💌       |
| Options | Value        | 5          |            |
|         | Unit         | Day        | vs 🔽       |
|         | Language     | English    | /s<br>hths |
|         | Preview      | "22/07/12" |            |
|         |              | OK Cance   | H 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

|   |   | <u> </u>   |
|---|---|--|
| 50 Date   |   |  |
| Name Date   | 1   |  |
| Date type Printe  | r date  | •  |
| Date format   |   |  |
| 03-JUN-98<br>03-June-98<br>WED/6/98<br>Wednesday/6/98<br>03/June/1998<br>Wednesday 03 June 199<br><customized></customized> | 8   | •  |
| Vative printer format   | 22/07/12"   |  |
| 0   | Cancel  | Help   |
|   | Date         Name       Date         Date type       Printe         Date format       03-JUN-98         03-JUN-98       03-JUN-98         03-June-98       Wednesday/6/98         03/June/1998       Wednesday 03 June 199 <customized>          ✓       Native printer format         Preview       **2         OH       OH</customized> | Date       Date         Name       Date         Date type       Printer date         Date format       03-JUN-98         D3-June-98       03-June/198         Wednesday/6/98       03/June/1998         Wednesday 03 June 1998          ✓ Native printer format       "22/07/12"         OK       Cancel |

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

|         | ,   | 1                                   |   |
|---------|---|-------------------------------------|---|
| Date0   |   |                                     | × |
| 50      | 50 Date   |                                     |   |
| Date    | Name  | Date0                               |   |
|         | Date type   | Printer date                        |   |
| Options | Date format                                       |                                     |   |
|         | 03-JUN-98<br>03-June-98<br>WED/6/98               | <u> </u>                            |   |
|         | Wednesday/6/98<br>03/June/1998<br>Wednesday 03 Ju | une 1998                            |   |
|         | <customized></customized>                         |                                     |   |
|         | ddddd/m/yy  |                                     |   |
|         | 🔽 Native printer                                  | format ddd (2)<br>dddd (TUE)        |   |
|         | Preview   | ddddd (Tuesday)<br>"Tuesday/1mm (7) |   |
|         |   | mmm (JUL)<br>mmmm (July)            |   |
|         |   | ок j (199)<br>jj (199)              |   |
|         |   |                                     |   |

#### Day of the week

| 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 MMON+              |
| ddddd (Monday)             | Day of the week, alphabetical Monday+              |
| j (101)                    | Julian Day of the year, 366 = 29 <sup>th</sup> Feb |
| jj (101)                   | Julian Day of the year, 366 = 31 <sup>st</sup> Dec |
| Month of the year<br>m (4) | Month single alphabetical character, $Jan = \%$ +  |
| mm (04)                    | Month 2 numeric character Jan = %01+               |
| mmm (JAN)                  | Month, 3 alphabetical %AN+                         |
| mmmm (April)               | Month, alphabetical %pril+                         |
| Year<br>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 |              | Time 12 hour |                            |  |
|--------------|--------------|--------------|----------------------------|--|
| hh (08)      | 24 hour time | 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 a Variable Counter Fields**

Variable Counter Fields are created initially in the same way as Date Fields

| s      | CODESOFT 10 Pro (DEMO) - Document1   | _ 🗆 X               |
|--------|--|---------------------|
| E File | Edit View Objects Data sources Tools Window Help   |                     |
| : 🎦 🖻  | 🗳 🖵 🕲 🏟 🖶 🎝 ×   X 😘 🖺 🗳 v) 🔃 🕘 🚽 12 × 🗐 165 🔹 🔍 🍳 🍳 🖂 🖃 🔡  | - I AL A > N I AL - |
| : 🚵 A  | vial Bold ▼   15 ▼   B I U   ↓ E E E E E E E E E Click on the Counter Icon   |                     |
| De     | ocument1   | Data Sources ×      |
| A      | <u>10   10   20   30   40   50   60   70   80   90   100   110   120   130   140   140   100</u> | Database(0)         |
|        |  | f(x) Formula(0)     |
| T-   - |  | When Printed(0)     |
| uu 10  |  | Counter(0)          |
| S S    | CODESOFT 10 Pro (DEMO) - Document1   | Advanced(0)         |
| : File | Edit View Objects Data sources Tools Window Help   |                     |
| : 🎦 👩  | ခ္ခ်က္ကြက္က 🖓 🚭 🚓 ។ 🐰 😘 🟝 🔊 ∿ 🎯 👷 12 ។ 🔟 165 🔹 🔍 🍳 🍳 🖬 🔡 📑 🖪   |                     |
| : 🚵 A  | rial Bold  |                     |
| De     | ocument1   | Sources ×           |
|        |  | Database(0)         |
|        |  | Formula(0)          |
| T-   - |  | Printed(0)          |
| uu 10  | Once you have entered the required data in the fields.   |                     |
| -      | then drag & drop the Counter on to the page  | Wizard              |
| A      |  | Add Category        |
|        |  | Hub Category        |
| 945    |  |                     |

This dialog box appears

| Counter0 |                        |                   | ×                   |
|----------|------------------------|-------------------|---------------------|
| 123      | 123 Counter            |                   |                     |
| Counter  | Name                   | Counter0          |                     |
|          | Shared                 |                   |                     |
| Output   | Type<br>Decimal        |                   |                     |
|          | Current value          | Increment         | _                   |
|          | Min Value              | Max Value         |                     |
|          | 0                      | 9999              |                     |
|          | Increment after        |                   |                     |
|          | Having printed         | 1                 | label(s)            |
|          | C Each reset of        |                   | ×                   |
|          | 🗖 Reset after data so. | irce value change |                     |
|          | I                      | Y                 |                     |
|          |                        | OK                | Cancel <u>H</u> elp |

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



Enter the Current value, Min & Max Value required

| iter0          | 123 Counter   |                   | c == ton |          |       |
|----------------|---|-------------------|----------|----------|-------|
| 123<br>Counter | Name  | Counter0          |          |          | outo- |
|                | ☐ Shared<br>Type  |                   |          |          |       |
| Output         | Decimal 💌<br>Current value                                | Increment         |          |          |       |
|                | 1<br>Min Value  | +1<br>Max Value   |          |          |       |
|                | 1<br>Increment after                                      | 999999            |          | _        |       |
|                | <ul> <li>Having printed</li> <li>Each reset of</li> </ul> | Γ                 |          | label(s) | ~     |
|                | Reset after data sou                                      | irce value change |          |          |       |
|                |   |                   | _        |          |       |

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

| ounceru | <u>시</u>  |
|---------|---|
| 123     |   |
| Counter | Maximum length 6 IV Automatic Prefix Suffix             |
| Output  | Output Mask     Display decimals                        |
|         | Number of decimals Decimal separator Thousand separator |
|         | Fad with 0 up to X characters (X=) 5                    |
|         | C Accumulate value                                      |
|         | OK Cancel Help  |

On completion click on OK

### **Creating a Variable Text Fields**

| 85 |       |            |        |              |        |             |         |     |      |              |       |     | CODES  | OFT 1 | 0 Pro | (DEMO)  | - Docur      | ent1    |     |              |      |     |       |        |          |    |            | _                                | •   | x |
|----|-------|------------|--------|--------------|--------|-------------|---------|-----|------|--------------|-------|-----|--------|-------|-------|---------|--------------|---------|-----|--------------|------|-----|-------|--------|----------|----|------------|----------------------------------|-----|---|
| 8  | File  | Edit       | Viev   | v O          | ojects | Data        | sources | Too | ols  | Wind         | dow H | elp |        |       |       |         |              |         |     |              |      |     |       |        |          |    |            |                                  |     |   |
| 1  |       | <u>-</u>   |        |              | -      | ) - I       | XD      | 8   | 10   | (2           | 0     | 1 1 | 12 - 🔳 | L     | *     | QG      | <b>\</b> Q   | -       | ÷:  | <b>I</b> I   |      |     |       |        |          |    | · M . 4    |                                  | 18f |   |
| :[ | Ŧ     | nagv5      | j      |              | -      |             | *       | B I | U    | =            |       | = - | = = 7  |       |       |         |              |         |     |              |      |     |       |        |          |    |            |                                  |     |   |
|    | ſ     | ocun       | nent1  | 1            |        |             |         |     |      |              |       |     | High   | nlig  | ht ۹  | %W/h    | en F         | Printir | ng- | ⊦an          | d ri | ght | clicł | <      | 4 Þ      | ×  | Data Sour  | ces                              |     | × |
|    | 3     |            | udu    | 10<br>11  11 | dim    | 20<br>11111 | 30      | due | 40   | alu          | 50    | m   |        | _     |       |         |              |         | _   |              |      |     |       | _      |          | J  |            | atabase(0)<br>ate(0)             |     |   |
| -  | 0     | =          |        |              |        |             |         |     |      |              |       |     |        |       |       |         |              |         |     |              |      |     |       |        |          | 2  | foo Fo     | ormula(0)<br>'hen Printed(0)     | 5   |   |
| 1  |       | Ξ          |        |              |        |             |         |     |      |              |       |     |        |       |       |         |              |         |     |              |      |     |       |        |          |    | Ta         | able lookup(0)                   |     |   |
|    | -   1 | 티          |        |              |        |             |         |     |      |              |       |     | CODES  | OFT 1 | 0 Pro | (DEMO)  | - Docum      | onti    |     |              |      |     |       |        |          |    | -123 C     | Sunter(U)                        | -   | × |
| -  | File  | Edit       | Viev   | v 0          | niects | Data        | sources | Tor | ols  | Winr         | low H | eln | CODES  |       | 0110  | (02110) | Docan        | CITE    |     |              |      |     |       |        |          |    |            | -                                |     | ^ |
| 1  |       | <b>3</b> 6 |        |              | e (    | ) - I       | 8 D     | 2   | 1 19 | (2           | 0     | 1   | 12 - 🗔 | L     | Ŧ     | QG      | <b>)</b> (0) |         |     | <b>U</b> , I |      |     |       |        |          | Ŧ  |            |                                  | 16  |   |
| 1  | Ŧ     | nagv5      |        |              | *      |             | Ŧ       | B / | U    |              |       | = = |        |       | _     |         |              |         |     |              | _    |     |       |        |          |    |            |                                  |     |   |
|    | ſ     | ocun       | nent 1 | )            |        |             | Clic    | k o | n °  | γ <b>Δ</b> α | 4d+.  | Γhe | e dia  | οa    | hc    | x V     | ar1          | will ar | าทศ | ear          |      |     |       |        | 4 Þ :    | x  | Data Sourc | tes                              |     | × |
|    |       |            | mhr    | 10           | ilim   | 20          | One     | ŇŬ  | ,    | /but         |       |     | Julu   | °9    |       |         |              |         | - P | 4            |      | 120 | 130   | hini   | 140      |    | Da         | stabase(0)<br>ate(0)             |     |   |
|    | Ī     | Ē          |        |              |        |             |         |     |      |              |       |     |        |       |       |         |              |         |     |              |      |     |       |        | 1        | -  | (M) Fo     | rmula(0)                         |     |   |
| Т  | -     |            |        |              |        |             |         |     |      |              |       |     |        |       |       |         |              |         |     |              |      | 2   | Ad    | d      |          |    |            | hen Printed(0)<br>able lookup(0) | )   |   |
|    | I- 1  |            |        |              |        |             |         |     |      |              |       |     |        |       |       |         |              |         |     |              |      |     | Wi    | zard   |          |    | 23 Co      | ounter(0)                        |     |   |
|    |       | -          |        |              |        |             |         |     |      |              |       |     |        |       |       |         |              |         |     |              |      |     |       | rm cus | tomizati | on | · 🏹 🗛      | lvanced(0)                       |     |   |
| ~  | - 2   |            |        |              |        |             |         |     |      |              |       |     |        |       |       |         |              |         |     |              |      |     | Ad    | d Cate | egory    |    |            |                                  |     |   |
| -  | - 11- | -          |        |              |        |             |         |     |      |              |       |     |        |       |       |         |              |         |     |              |      |     |       |        |          |    |            |                                  |     |   |

1. The variable name can be a maximum of 9 alphanumeric characters Then click on ‰/hen printed



2. Enter the required information. The limit is 40 alphanumeric characters if the user needs to modify the field in the Printer Mini Terminal

3. Prompt is the same as the Variable name Batch\_No Donq use spaces or punctuation In the variable name or Variable name

| Var1                  | When printed  |
|-----------------------|---|
| Input<br>When printed | Prompt Minimum length   |
|                       | Pick list NONE> 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

| atch_N0      |                                  |
|--------------|----------------------------------|
|              | Output                           |
| Input        | Maximum length 40                |
|              | Prefix Suffix                    |
| When plinted | Batch Number                     |
|              | C Output Mask                    |
|              | C Display decimals               |
| Output       | Number of decimals               |
|              | Decimal separator                |
| 123          | Thousand separator               |
| Counter      | Pad with up to X characters (X=) |
|              |                                  |
|              |                                  |
|              | Accumulate value                 |
|              |                                  |
|              |                                  |
|              | OK Cancel Help                   |

Click on % Output+

### Displaying the filler (Variable fields)

Click Print then Click on Form, the user if required can change the value sent to the printer

| $\backslash$  | Print - [GTIN_C128.lab]   |                     | ×            |
|---|---|---------------------|--------------|
|   |   |                     |              |
| File Edit View Objects Data sources Tools Window Help | THE STATE OF STATE OF A | General Form        | <u> </u>     |
| ः 🎦 💕 🖬 🦚 🖶 🛻 🚽 🖓 🖬 🛍 🖉 🖉 📑 🗜                         |   | ExpDate 130719      |              |
| in magv5 Print(Ctrl+P) I = = = =                      |   | GTIN 50234567281234 |              |
| Document1 Document2 Print the document                |   |                     |              |
|   |   |                     |              |
| T-  |   |                     |              |
|   | Print preview   |                     |              |
| (01) <u>50234567281234</u> (17) <u>130719</u> (10)    | Printer : ThermoCode 107M,-> <c0m4:<br>Quantity : 1<br/>Patabase : None,Current records</c0m4:<br>              |                     |              |
| 20  |   |                     |              |
|   |   |                     |              |
|   | Help Performance  |                     | Print Cancel |

### **Barcode Generation**



Select the required barcode. Clicking on the chevrons to show the different available Printer Codes

| 🛄 Properties   |                                       | ×                          | Properties     |                                   | ×                           |
|----------------|---------------------------------------|----------------------------|----------------|-----------------------------------|-----------------------------|
| 0              | Code                                  |                            | ·····          | Code                              |                             |
| General        | Symbology<br>Printer C Graphic        | Value                      | General        | Symbology<br>• Printer C Grachic  | Value                       |
|                | GS1(EAN/UCC)                          | Properties<br>Height(mm)   |                | G51(EAN/UEC)                      | Properties<br>Height(mm)    |
| Code           | CODABAR<br>CODE 128                   | Check character            | Code           | EAN 13                            | Check character             |
| Character      | EXTENDED C.39<br>EXTENDED C.93<br>ITF | width (dots) 1             | Character      | UPCA<br>UPCE (SYSTEM 0)<br>Linear | width (dots) 1              |
| <b>A</b>       | Z-D 3                                 | Туре АИТО 💌                | <b>A</b>       | CODABAR<br>CODE 128<br>CODE 39    | Туре АЛТО 🔽                 |
| Shape settings |                                       | Bars                       | Shape settings | EXTENDED C.39<br>EXTENDED C.93    | Bars                        |
|                |                                       | Options V Human Readable V |                | Z-D S                             | Back Options Human Readable |
| Data source    |                                       |                            | Data source    |                                   |                             |
|                | Preview                               |                            |                | Preview                           |                             |
|                |                                       | 7777                       |                |                                   | 2222                        |
|                |                                       |                            |                | ,                                 |                             |
|                |                                       | OK Cancel Help             |                |                                   | OK Cancel <u>H</u> elp      |

#### Barcode Generation Continued





Continued on the next page.

### Barcode Generation Creating a Formula

This dialog will appear Click on this box Select Printer formula

| Formula0       | <b>f</b> (X) Formula  |   |
|----------------|---|---|
| Formula        | Name<br>Type  | Formula0 Software formula Inftware formula Inftware formula Printer formula, if possible  |
| 123<br>Counter |   | z   |
|                | Constants<br>Functions<br>Check character<br>Conversion<br>Date & Time<br>Logical<br>Math<br>Text<br>Operators<br>Data sources<br>Printer supported | 8         /         *         Iest           7         8         9         +         Lindo           4         5         6         +         Insert           1         2         3         (         -           0         .         )         -         - |
|                | 1   | OK Cancel <u>H</u> elp  |

Type in the box %1+and click on the %4+key



The Formula should look like this

1

| Formula0     |                               |                        |       |   |     | ×                 |
|--------------|-------------------------------|------------------------|-------|---|-----|-------------------|
| <b>f</b> (×) | f(x) Formula                  |                        |       |   |     | a ili kokutelu    |
| Formula      | Name                          | Formula0               |       |   |     |                   |
|              | Туре                          | Printer formula        |       |   |     | -                 |
|              | "01" & GTIN & "15"            | & ExpDate & "10" & L   | ot_No |   | _   | *                 |
| Output       |                               |                        |       |   |     |                   |
| 123          |                               |                        |       |   |     | -                 |
| Counter      | ,                             |                        |       |   |     | _                 |
|              |                               |                        |       |   |     |                   |
|              |                               |                        |       |   |     |                   |
|              | Constants                     |                        | & 1   | * | -   | Lest              |
|              | Check character<br>Conversion | @SERIALQTY<br>@SUBJECT | 7 8   | 9 |     | Unda              |
|              | Date & Time<br>Logical        | @TITLE<br>@UISERNAME   | 4 5   | 6 | +   | <u> </u>          |
|              | Math                          | @VALIDFORPRI           | 1 2   | 3 | (   | Insert            |
|              | Operators<br>Data sources     | GTIN                   | 0     |   | )   |                   |
|              | Printer supported             |                        |       |   | _   |                   |
| ]            | ,                             |                        |       |   |     |                   |
|              |                               |                        | OK    |   | Can | icel <u>H</u> elp |

Click on Output in Maximum length enter 40

Continued on the next page.

Click on Data sources

| Formula0     |  | ×  |
|--------------|--|--|
| <b>f</b> (×) | f(x) Formula                                   |  |
| Formula      | Name   | Formula0                                       |
|              | Туре   | Printer formula                                |
| Output       |  | <u> </u>                                       |
| 123          |  | ~  |
| Counter      |  |  |
|              |  |  |
|              | Constants<br>Functions                         | @PROGNAME & / * - Iest                         |
|              | Check character<br>Conversion<br>Date & Time   | ØSERIALQIY         7         8         9       |
|              | Logical<br>Mat<br>Text                         | @USERNAME + 5 0<br>@VALIDFORPRI 1 2 3 ( Insert |
|              | Operators<br>Data sources<br>Printer supported | GTIN   |
|              |  |  |
|              |  | OK Cancel <u>H</u> elp                         |

#### Highlight GTIN variable and click on Insert

| ormula0      |                                   |                         |    |     |     | ×                 |
|--------------|-----------------------------------|-------------------------|----|-----|-----|-------------------|
| <b>f</b> (×) | f(x) Formula                      |                         |    |     |     |                   |
| Formula      | Name                              | Formula0                |    |     |     |                   |
|              | Type<br>"01" & GTIN               | Printer formula         |    |     |     | -                 |
| Output       |                                   |                         |    |     |     |                   |
| 123          |                                   |                         |    |     |     | -                 |
| Counter      |                                   |                         |    |     |     |                   |
|              |                                   |                         |    |     |     |                   |
|              | Constants<br>Functions            |                         | 84 | 1 * | •   | Iest              |
|              | Check character<br>Conversion     | @SERIALQTY<br>@SUBJECT  | 7  | 8 9 |     | Undo              |
|              | Date & Time<br>Logical            | @TITLE<br>@USERNAME     | 4  | 5 6 | Ľ   |                   |
|              | Text                              | @VALIDFORPRI<br>ExpDate | 1  | 2 3 | (   | Insert            |
|              | Data sources<br>Printer supported |                         | 0  |     |     |                   |
|              |                                   |                         | OK |     | Car | icel <u>H</u> elp |

You can change the Name



Click on Test shows the content of the Formula

- 26 -

### Barcode Generation Creating a Formula

| 5                |                                     | CODESOFT 10 Pro            | o (DEMO) - Document1       | _ 🗇 X            |
|------------------|-------------------------------------|----------------------------|----------------------------|------------------|
| E File E         | dit View Objects Data-sources Tools | s Window Help              |                            |                  |
| : 🎦 🚰<br>: 🍞 mag | Click c                             | on Bar_Data drag an        | d drop then select Barcode |                  |
| Doc              | ument1                              | 10 100 100                 |                            | X Data Sources X |
| A                |                                     |                            |                            | Date(0)          |
|                  |                                     |                            |                            | ▲ (W) Formula(1) |
| 1                | Te><br>Bar                          | code                       |                            | When Printed(3)  |
| uu   10 =        | T                                   | CODESOFT 10 Pro            | o (DEMO) - Document1       | ExpDate          |
| E File E         | dit View Objects Data-sources Tools | s Window Help              |                            |                  |
| : 🎦 📂            | 🔒 i 🦚 😓 🖨 🔶 - i 🐰 🖻 🖺 i             | 🔊 (*   🎯 🚽 : 12 - 🛄   👘 ·  | - 🔍 🍳 🍳   🖃 🔛   🚽 🖬 🔛 🔛 📃  | - IN A > NIAI,   |
| 🗄 👍 mag          | v5 •   • <b>B</b> I                 | ⊻∣₽₽₽₽₽₽₽₽₽                |                            |                  |
| Doc              | ument 1                             |                            | 4                          | Data Sources X   |
| A                |                                     | 40  50  60  70             | 80 90 100 110 120 130 140  | Database(0)      |
|                  |                                     |                            |                            | ▲ Formula(1)     |
| T-               |                                     |                            |                            | → Bar_Data       |
| ₩, 10 Ξ          |                                     | D15023456728123415130      | 7191023456QWERT            | ExpDate          |
|                  |                                     | Barcode generation tool E8 | 7191023456QWERT            | Lot_No           |
| 20 =             |                                     |                            |                            | Table lookup(0)  |
| OLE              | 60<br>E34                           | Copy Ctrl+X                |                            | Advanced(0)      |
| I- 30 =          |                                     | Paste Ctrl+V               |                            |                  |
|                  |                                     | Bring to front             |                            |                  |
| 40               | 25 C                                | Send to Back               | Right click on the barcode |                  |
|                  |                                     | Properties                 | Then select Properties     |                  |
|                  |                                     | Wizard                     |                            |                  |
| 0                |                                     | Data source properties     |                            | Objects ×        |
| <b>E 1</b>       |                                     | Delete                     |                            | Barcode(1)       |
|                  |                                     | Set as default             |                            | → Barcode1       |
| 70 -             |                                     |                            | 1                          | OLE (0)          |

Select Code 128 & Type should be Auto



Click on Human Readable



#### The barcode should like this CODESOFT 10 Pro (DEMO) - Document 1



### **Barcode Generation Creating a Formula**

| CODESOFT 10 Pro (DEMO) - GTIN_C128.lab   | _ = ×   |
|--|---|
| Click the mouse between the Red & the variable field ar<br>(01) Then click between the 4 and Red. The add a space  | e Type  |
| GTIN_C128.lab  | ↓ ▶ x Data Sources ×  |
| Image: Second   | 110       120       130       140         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □         → □       □       □       □       □       □         → □       □       □       □       □       □       □         → □       □       □       □       □       □       □       □       □       □       □       □       □       □       □       □       □ |
| (01)5023456/281234   | Lot_No  |
| 20 =   | Table lookup(0)   |
| CODESOFT 10 Pro (DEMO) - Document1   | _ • X   |
| File Edit View Objects Data sources Tools Wind<br>Highlight the barcode click on Click on %Bring to front+<br>Barcode<br>Image<br>Insert gxternal object<br>Shape<br>Algnment<br>Rotate right 90<br>Botate left 90<br>Order<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decumenti<br>Decume | objects,  |
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| The font has been char<br>Bold. The human reada<br>font such as Courier or<br>Click the Print Icon & such  | nged to an SFP based on Arial<br>able needs to be a Monospaced<br>OCRB.<br>end to the Printer   |
| T-<br>D150234567281234151307191023456QWERT<br>(01)50234567281234(17)130719(10)23456QWERT<br>(01)50234567281234(17)130719(10)23456QWERT   | Bar_Data<br>BWhen Printed(3)<br>ExpDate<br>GTIN<br>Lo_No<br>Table Jac(0)  |

#### Generating a GS1 Barcode (EAN/UCC)

When you open this dialog box Click on Check Character



.... Code V Symbology alue C Graphic 3 GIST (EAN/UCC) C Grap GST (EAN/UCC) EAN 128 C Grap E 503487168672 Properties 1 -11.99 Height(mm) Check character 1 digit • Narrow bar width (dots) 3 0.25(mm) - 13.91(cpi) 2.0 Ratio Bars -Γ Back ▼ Human Readable ▼ Previe OK Cancel <u>H</u>elp

Enter the required Barcode data

### Generating a GS1 Barcode (EAN/UCC)



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  $- = \langle GS \rangle$  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.

|          | _ 0              | X |
|----------|------------------|---|
| _        |                  |   |
| <u>-</u> |                  |   |
|          |                  |   |
|          | Data Sources     | × |
| 1        |                  |   |
|          | 🕀 📆 Date(2)      |   |
|          |                  |   |
|          | When Printed(5)  |   |
|          | Batch_No         |   |
|          | Exploay          |   |
|          | ExpMonth         |   |
|          | GTIN             |   |
|          | Table lookup(0)  |   |
|          | + 123 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

| mula  | Name  | DataM  |               |
|-------|---|--|---------------|
|       | Туре  | Printer formula, if possible   | -             |
| itput | "~1" & "01" & GTI<br>Batch_No   | N & "17" & ExpYear & ExpMonth & ExpDay & "10" &  | *             |
| 23    |   |  | *             |
| unter |   |  |               |
|       |   |  |               |
|       |   |  |               |
|       | Constants<br>Functions  | GUSERNAME A & / + - Ies  | ł             |
|       | Constants<br>Functions<br>Check character<br>Conversion   | PUSEPNAPE ▲<br>BVALIDFORPEI ● / * - Ies<br>Betch, No<br>Counter0 7 8 9 Und   | t             |
|       | Constants<br>Functions<br>Check character<br>Conversion<br>Date & Time<br>Logical                 | ØWSERNAME         ▲          Ies           ØWALIDFORPRI         0         /         *          Ies           Batch, No         Counter0         7         0         9         +         Und           ExpOny         2         0         5         6         +         Und   | t<br>lo       |
|       | Constants<br>Functions<br>Check character<br>Conversion<br>Date & Time<br>Logical<br>Math<br>Text | @USERNAME         Image: Construction of the construct | t<br>lo<br>rt |

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

| CODESOFT 10 Pro (DEMO) - DM_Example03b.Lab                               | _ = ×                         |
|--|-------------------------------|
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| Document1 DM_Example03b.Lab  | ↓ ★ Data Sources ×            |
|  | 70 Database(0)                |
| T (01)05002345678901   | Julian<br>Year                |
| (10)QWE124   | i= f(∞) Formula(1)<br>→ DataM |
| Exp Date 13/11/13  | H- When Printed(5)            |
|  | Table lookup(0)               |
| 10 -   | E-123 Counter(1)              |

- 30 -

### Creating a Data Matrix Code

This example includes a serial number made up using printer generated date fields. Year date ‰Y+ Julian date ‰JJ+& 9 digit counter

| 65                     |  | CODESOFT 10 Pro (DEMO          | - DM_Example03b.Lab |                              | _ = X                         |
|------------------------|--|--------------------------------|---------------------|------------------------------|-------------------------------|
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| 🗄 🍓 ARIALBO7 💌         | 6.61 •   <b>B</b> <i>I</i> <u>U</u>   =q | ■ = = = • ₹ <mark>,</mark> : [ |                     | ∰ ∰ <b>₩ ¥</b>  ∰ <b>∰</b> ∰ |                               |
| Document1 DM_Examp     | le03b.Lab                                |                                |                     | (                            | ↓ ▶ × Data Sources ×          |
|                        | 10 20                                    | 30 4                           |                     | 60                           | 70 Database(0)                |
| T                      | (01)                                     | 500234567890                   | 01                  |                              | Julian<br>Year                |
|                        | (21)                                     | 22200000000                    | 01                  |                              | ⊡-jt0) Formula(1)<br>DataM    |
|                        | (10)                                     | 2WE124                         |                     |                              | □ When Printed(5)<br>Batch_No |
| 10                     | Exp                                      | Date 13/11/13                  |                     |                              | ExpDay<br>ExpMonth            |
| - 310                  |  |                                |                     |                              | ExpYear<br>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
OPSPEED
             0100
0 PBURN1
            0170
0 PBURN2
            0170
0 PPRESSURE
            20
0 PHOMOFF
            03.0
OPROTATE
            0
            005002345678901
0EGTIN
0EObjDT0001 620,0,0,
0EObjDT0002 560,0,0,
            40000001,1,1,1,99999999
0ECounter0
            00WE124
OEBatch No
0EExpDay
            013
0EExpMonth
            011
0EExpYear
            013
OTARIALB07
            0240003107001(01)
            0240006407001(21)
0TARIALB07
0TARIALB07
            0240009707001(10)
            0240013007001Exp Date
OTARIALB07
            0401013007001/
0TARIALB07
OTARIALB07
            0441013007001/
0TARIALB07
            0290003107001\0GTIN\0
            0290006407001\00bjDT0001\0
0TARIALB07
0TARIALB07
            0322006407001\00bjDT0002\0
OTARIALB07
            0370006407001\0Counter0\0
OTARIALB07
            0290009707001\0Batch_No\0
OTARIALB07
            0369013007001\0ExpDay\0
            0409013007001\0ExpMonth\0
0449013007001\0ExpYear\0
0TARIALB07
0TARIALB07
0B200113001813100026260104~101\0GTIN\021\00bjDT0001\0\00bjDT0002\0\0Counter0\0~d02917\0ExpYear\0\0ExpMonth\0
\0ExpDay\010\0Batch_No\0
0000000
0ĸ
```

## Creating Shift Codes



Enter XSYSSHIFT then a space, then the required Shift code. In this case A1, B1, etc. You can have a maximum of 24 shift code changes per day. This example shows 5 shift changes. **XSYSSHIFT A1,B1,C1,D1,E1** 

The maximum shift name is 5 alphanumeric characters.





1.Highlight the Advanced icon. appear. Right click the mouse button.

Double click the left mouse button to open the field.

| Yar0    |                            |
|---------|----------------------------|
| Input   | Name SYSSHIFT              |
| Output  | Value                      |
| 123     |                            |
| Counter |                            |
|         | Clear after printing       |
|         | Update file after printing |
|         | ☑ Delete spaces            |
|         | Restore after printing     |
|         | OK Cancel Help             |

Change the Name to SYSSHIFT

2. Click on %Add+ A variable named Var0 will

× 3 Output Input Maximum length 40 Prefix Suffix Output Output Mask 123 C Display decimals Counter Number of decimals Decimal separator Thousand separator F Pad with (X=) up to X characters Accumulate value Γ OK Cancel Help

Click on Output. Change Maximum length from 100 to 40

22 July 2013

### Creating Shift Codes (continued)

#### Enter the required shift time Five shifts, time would by entered in Value as follows.0600,0900,1200,1500,1800



|                | Trput SAAF SAAF  |
|----------------|--|
| Input          | Name         SYSSHIFT           Value         0600,0900,1200,1500,1800 |
| 123<br>Counter |  |
|                | Local  |
|                |  |
|                | OK Cancel Help   |

In **Value**, enter the time you require for the shift times. The times are based on a 24hour clock. (4digits separated by a coma) You can have a maximum of 24 shift code changes per day.

When Shared is selected Click on "OK"

Drag and drop SYSHIFT to the required

CODESOFT 10 Pro (DEMO) - Document1 σx File Edit View Objects Data sources Tools Window Help 🐔 📸 😹 🕲 🏀 🖷 🕼 र । 🗼 🛍 🖏 🔊 🕬 🎯 👷 12 र 📰 । 164 🔹 🔍 🍳 🍳 🔍 🖃 🏭 🐘 💷 🔹 I 64. A 🕩 M I 64. I 👳 🕌 Arial Bold - | 8 ▼ | <mark>B</mark> I U | ⊒ **≡** ≡ ≡ ≣ Ξ Ξ Ξ , Document1 d Þ × Data Sources Shift Check 0600,0900,1200,1500,1800 T-Table lookup(0) 10 = -123 Counter(0) <u>||||</u>-⊟-₩ Advanced(1) 20 = The above will print % hift Check A1+followed B1 etc Click on "Tools" Then on "Shared variable Management" Click on "Advanced" This dialog box shows the Data DESOFT 10 Pro (DEMO) - Document1 Shared data sources Management x File Edit View Objects Data sources Tools Window He Advanced X 🎦 📂 🛃 | 🕼 🟟 🖶 🖨 - | 🖇 🗈 Shared data sources management Counte 0600,0900,1200,1500,1. sysshift • | 8 • | B Set Password... When ted 🍓 Arial Bold Configuration.. Adva Document1 Lists. 10 20 30 Administrator ODBC. Lists... | 120 A īo Luuluul 5 Administrator OLEDB.. 0 = Shift т-🚱 Command File Interpreter... Shift+Alt+F3 10 : 😽 Database Manager Shift+Alt+E1 . . 🕅 Font Downloader Shift+Alt+F2 <u>-</u> User tools 20 : 310 Ok Cancel Help

Note: - All Variable printer fields the user must select a Printer TTF or SFP Font

#### Click on the Button and select Shared