GoLabel On-line Help User's Manual

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1. Introduction

1.1 Startup

Click [Begin] on Windows Desk and select "GoLabel" software program to run it. Or, just click the Icon on the Windows desk, and start to execute GoLabel program.

1.2 Main Display Screen

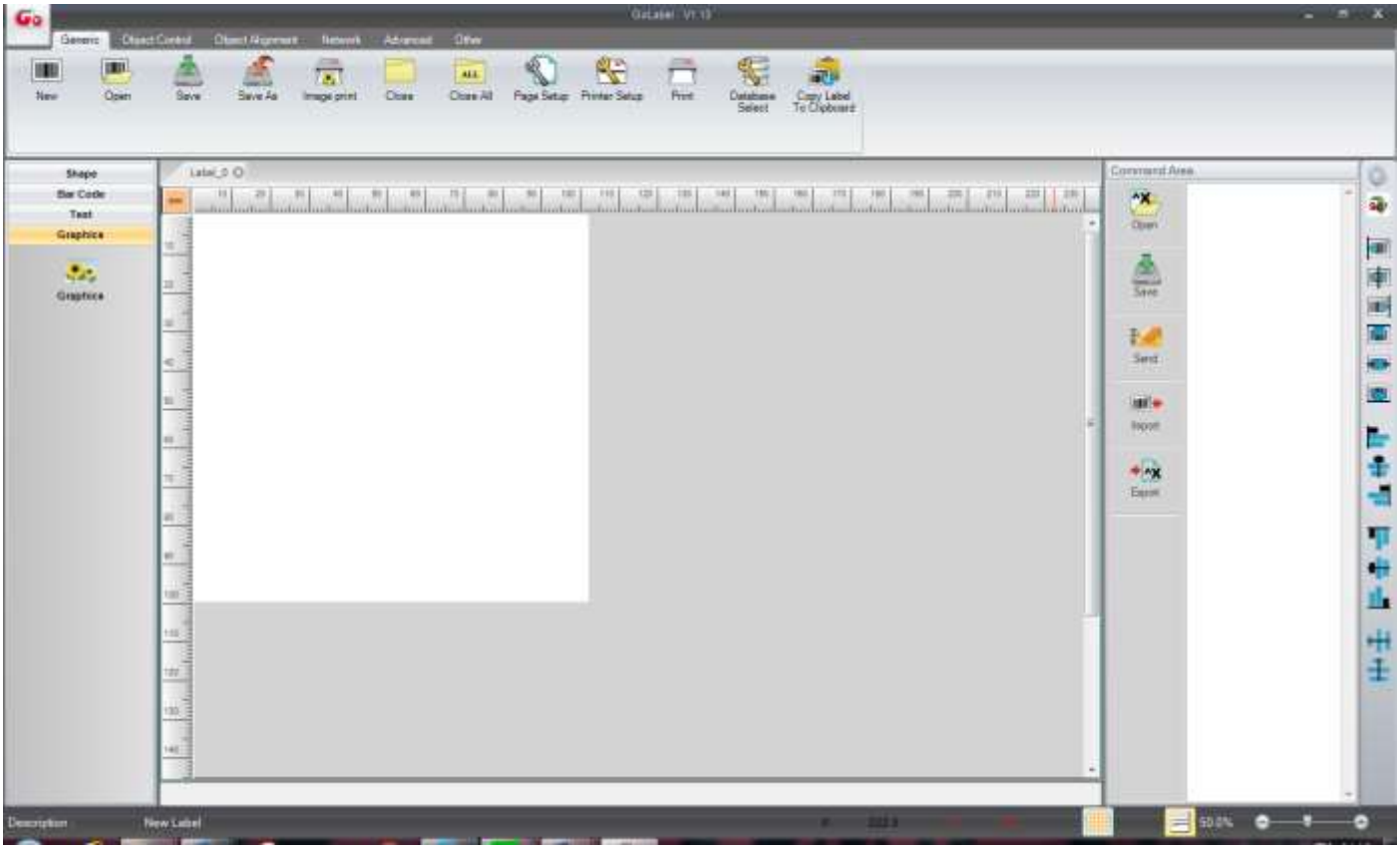
There are three tool sets and two working areas on GoLabel main display screen when it startup:

1) Tool Set:

- Either on the top tool set
- Object tool set on the left side

2) Working Area:

- Label Design area
- Command area



2. Working Environment

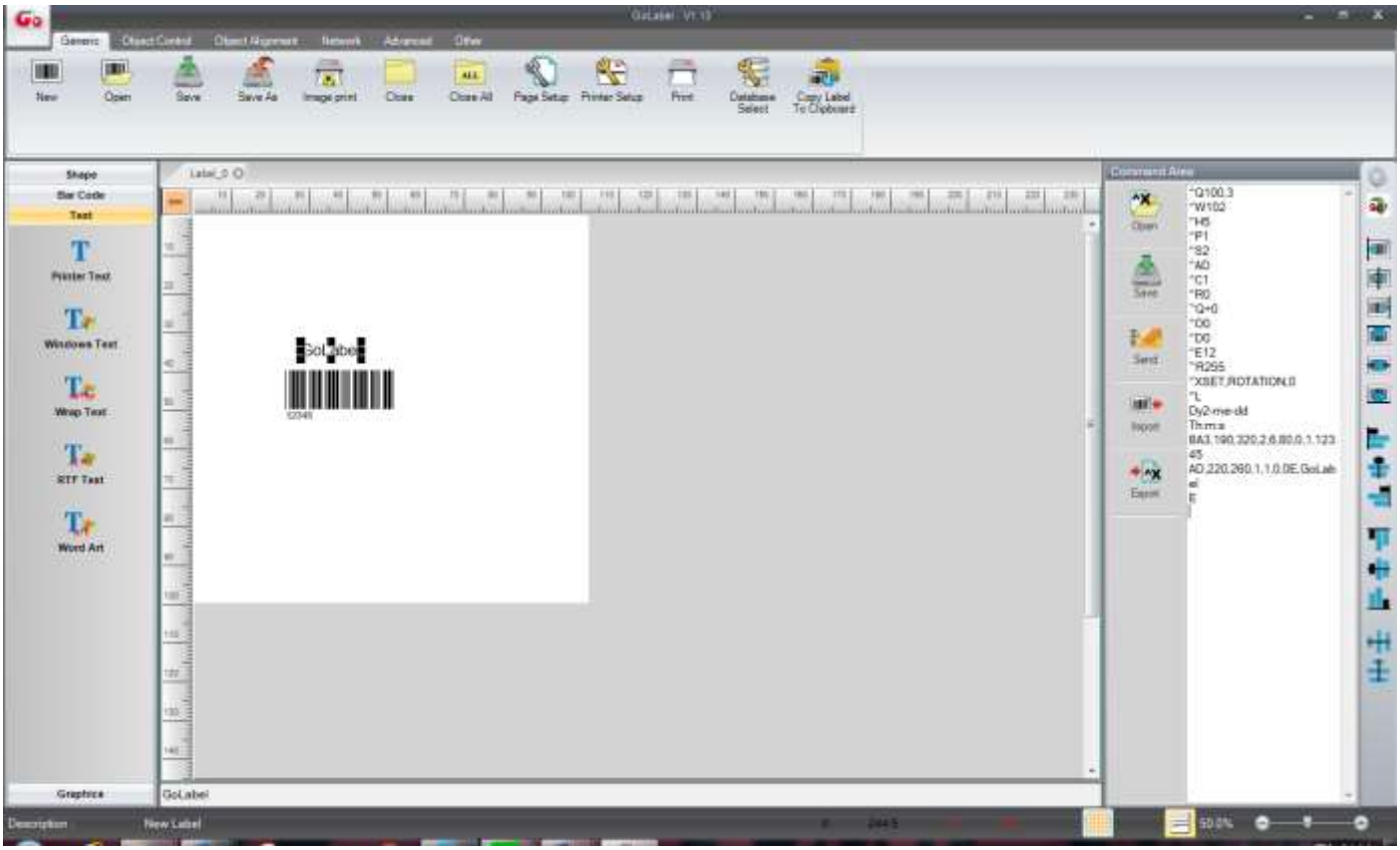
2.1 General

With the friendly design, user clicks the icon

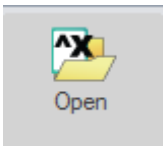
to open a new file for label design and editing. There are two working pads on the screen. The left pad is for label design area, right side of pad is for command area. In label design area, user can design, edit, delete and then save label as a file name with "ezpx" file type (GoLabel always save the file name with file type "ezpx"). In command area, user can export the label on the left working pad to the command area with the printer's command format (on the right working pad).

2.2 Command Area

The labels exported to the Command Area in "TEXT/ASCII" format and can be editing and saving as a "TEXT/ASCII" file on PC. Thus, in DOS mode, user may work on this file with DOS commands - COPY, PRINT, TYPE, etc. to manipulate this TEXT/ASCII file and then send/print it to the printer directly. Besides, the commands in the Command Area are exported direct from the Label Design Area. For certain high level application, GoLabel provides these quickly and convenient of operation tools for SI engineer and software designer.



Command Area icons feature description :

(1) Open File 

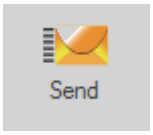
:

Preset the file with the .cmd extension. If it is opened with another extension, it will be displayed in plain text mode.

(2) Save File

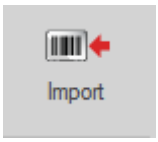
:

Save the barcode command to a file named .cmd.

(3) Send 

:

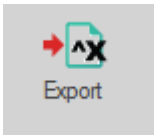
Send commands to the printer.

(4) Import 

:

Transfer the data in command area to Golabel Label editor window.

The "print command" is converted to a graphical object and displayed in the label design area.

(5) Export 

:

Transfer the parameter into command mode to the command area.

Quick Toolbar: Quickly set object alignment, label rotation, and special application functions

3. GoLabel Tool Sets

3.1 Generic Toll Set

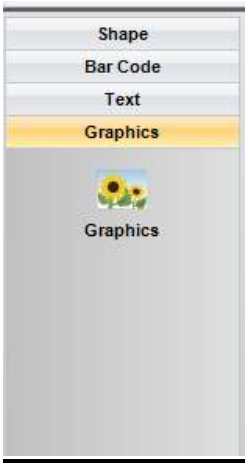
Being user-friendly software, GoLabel provides following graphic icons in the Tool Sets that displays on the top of screen. User may click either icon of Tool Set to design labels and editing commands. The icons on Generic, Advance and Object Tool Set, and its functional description are itemized and shown as below for user reference.

Tool Set

	New		Undo
	Open		Redo
	Save		Move To Front
	SaveAs		Send To back
	Close		Align Left
	CloseAll		Center
	Page Setup		Align Right
	Align to middle		Align to the lower edge
	Align to the upper edge		Image print
	Printer Setup		Select All
	Print		Unselect All
	Database Select		Align Left
	Copy Label To Clipboard		Align Horizontal Center
	Copy		Align Right

	Paste		Align Up
	Cut		Align Vertical Center
	Delete		Virtual Terminal
	Align Down		Calibration Sensor
	Distribute Horizontally		Printer Date/Time Setting
	Distribute Vertically		Download Object To Printer
	IP Setting		Delete Printer Object
	Set Alarm Parameters		Synchronize Printer And GoLabel Object Record
	Set Alert Message		Language
	Search Godex Printer		Style Settings
	Printer Control		Enable/Disable Cross Hair
	GoLabel On-line Help		

3.2 Object Tool Set



Shape			Maxicode
	Horizontal Line		Data Matrix
	Vertical Line		QR Code
	Oblique Line		Micro PDF 417
	Box		Aztec
	Filled Rectangle		Composite
	Ellipse	**Text**	
	Rounded Rectangle		Text
	Triangle		Windows Text
	Diamond		Warp Text
Barcode			RTF Text

	Bar Code		Word Art
	GS1 DataBar	**Graphics**	
	Pdf 417		Graphics

4. General Operation

4.1 Creating First Label

- **Open and save a label file**
  - Open a new label file

    Click the icons

    in the Generic tool set
  - Save a Label file

    Click either icons "SAVE"

    or "SAVE AS"

    to save the label files to disk. It's required to key-in file name when a dialog of SAVE AS is popping up (Don't key-in, the file type "ezpx", which is added by GoLabel itself in automatically), after file name key-in, please click SAVE icon in the dialog to save the label file with the file name you key-in.

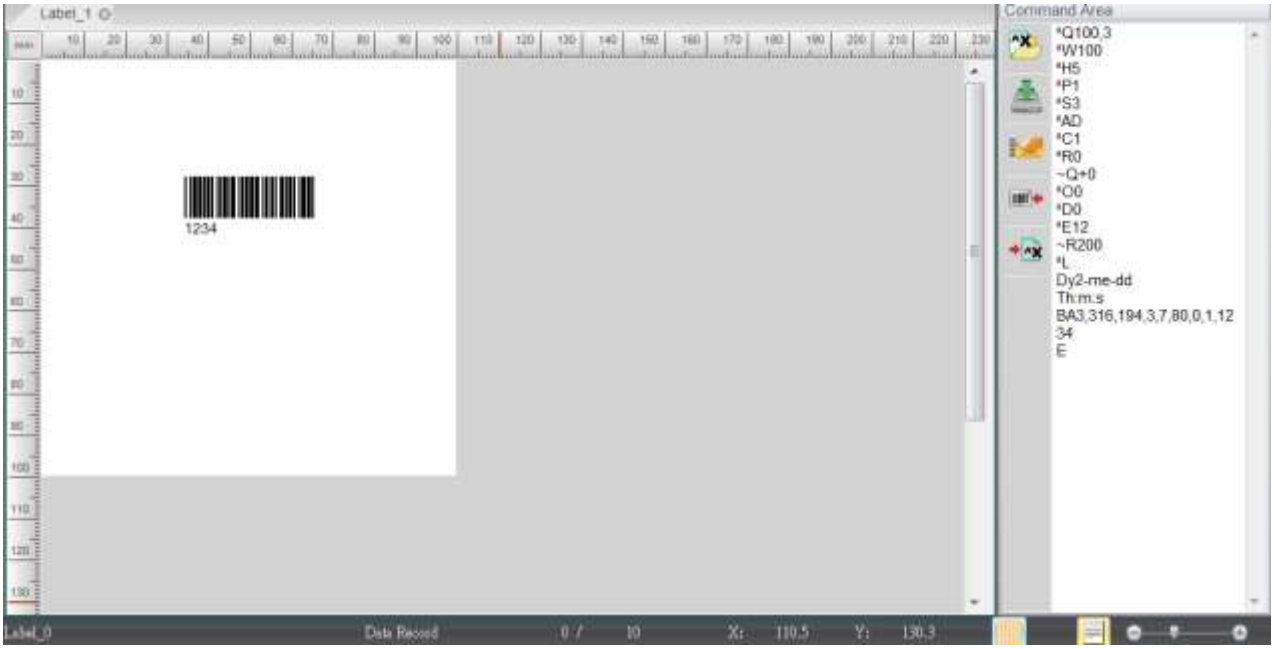
    In case, who want to save label with "TEXT/ASCII" format, please click icon

    to transform the label as TEXT/ASCII format to the command area. The "TEXT/ASCII" format in command area is able to editing manually by user.

    If these labels have some unloaded objects, such as graphics, Fonts or non GoDEX EZPL printer's commands (such as sphercial or round coner, GoLabel will reminding the total amount of illegal object unloading yet, marking white color on the fill-in columns and asking to user for key-in and download. Please follow instruction to key-in the appropriate object names then. (the names must be alphabetical and numbers only).

    Please clcik the icon

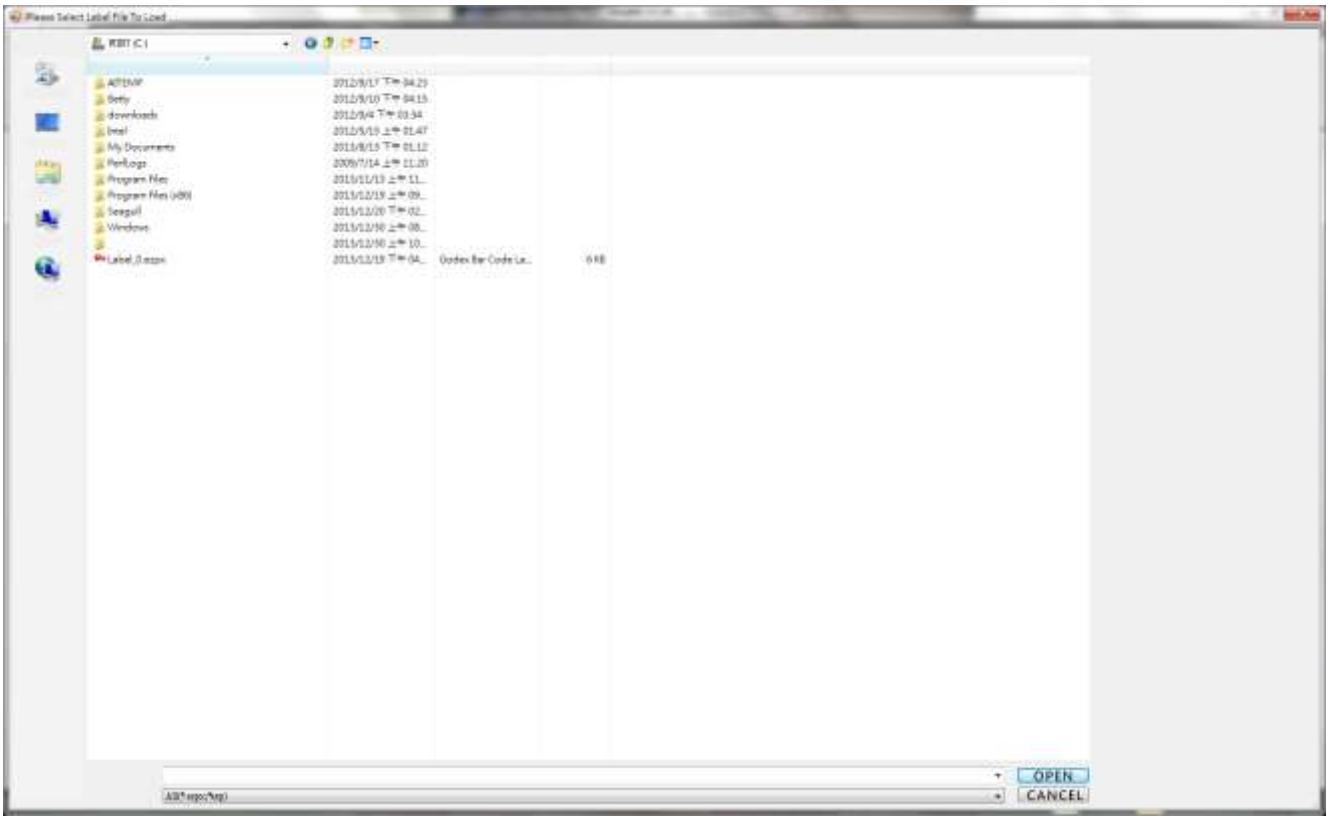
    in command area that will save the label in "TEXT/ASCII" format to PC.



4.2 Open an Existing File

- Click the icon "Open"

on Generic Tool Set
- To open an existing file is able be previewing when cursor select to it, and click "Open" icon in the dialog to open it (or just double click the file name for instead). Only file type "ezpx" created by GoLabel is able be opened properly.
- Be noted 2: Only the "Text/ASCII" format of EZPL commands in the file type of "cmd" is retrievable by GoLabel but the inside of download objects (graphic, photo, picture and curvature shape) will be missed, that needs to recreate on GoLabel.



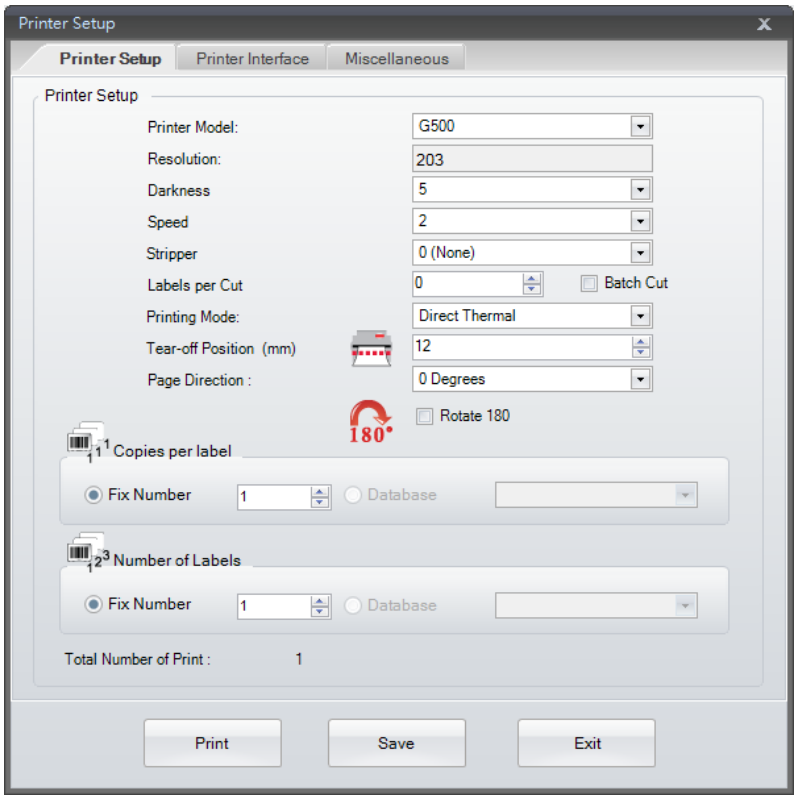
4.3 Printer Setup Setting

Click the icon

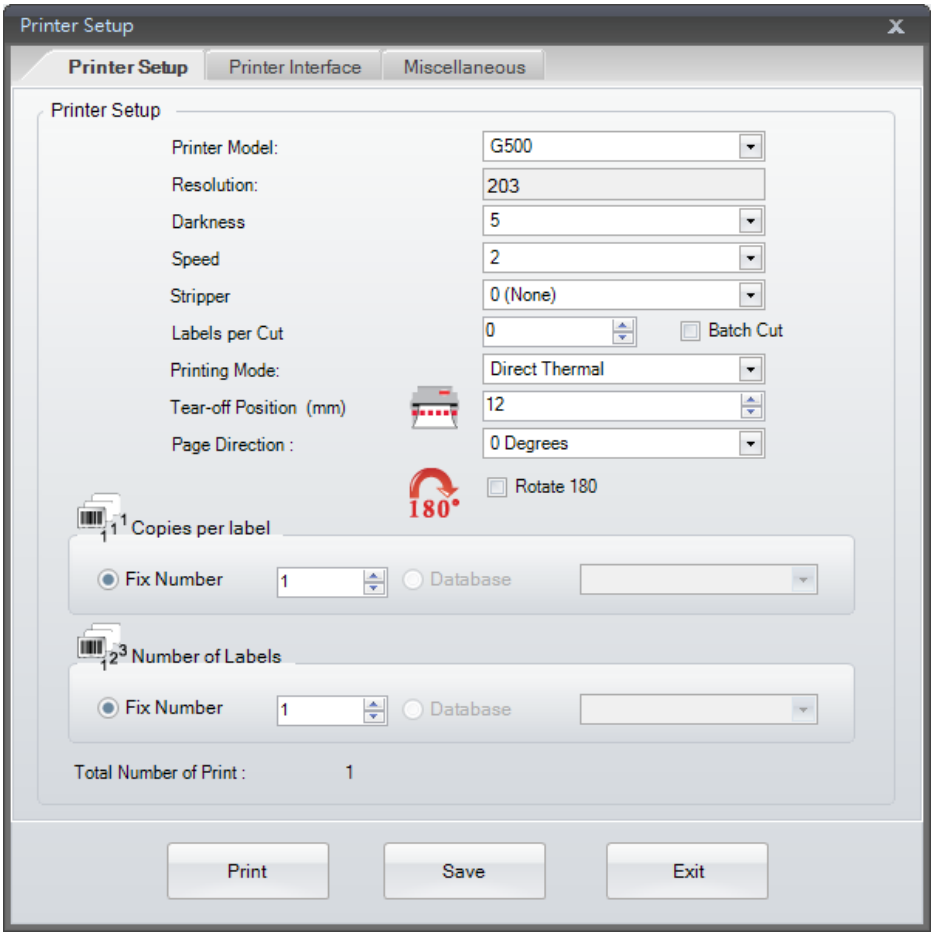
on the Generic Tool Set, or just click the right key of mouse on the "Label Design Area" and select "Printer Setup"

Key-in the relevant parameters in the "Printer Setup" dialog

- Please select the model name of GoDEX barcode printer in the dialog first. If you don't know it clearly, please check the model name to the printer's bottom side that stuck a label with sufficient information.
- All the items are able be setting unless these items are not supported by this model of barcode printer
- Tear-off position: It's a printer stop position (after a label print out) that can be adjusting forth and back (+/- value, unit: mm). Key-in bigger adjusting value (number) in the dialog is meant that the next labels will move forward or backward longer. The setting value should not large or equal to label high. Every model of barcode has an own setting value and limitation of Tear-off position, please refer to the description of the EZPL command (^E) that states in the user or programming manual.



- The value in the fields of "Copies of Label" and "Number of Labels" are selectable to print more labels with copy or counting number.



Item	Function Description
Model	**Select the required printer model, there will be with function different due to models.**
Resolution	**Printer resolution will be displayed when the model been selected.**
Darkness	**0~19 , the figure more the darkness more.**
Print Speed	**Different printer model with it's limited speed range. The figure bigger the speed higher.**
Stripper	**Optional selection.**
Label per cut	**Setting how many labels printing per cut when there is cutter installed.**
Batch Cut	**Setting cutting by batch when there is cutter installed.**
Printing Mode	**Setting Thermal Direct or Thermal transfer printing mode. (When setting Thermal Transfer mode, make sure there is ribbon installed)**

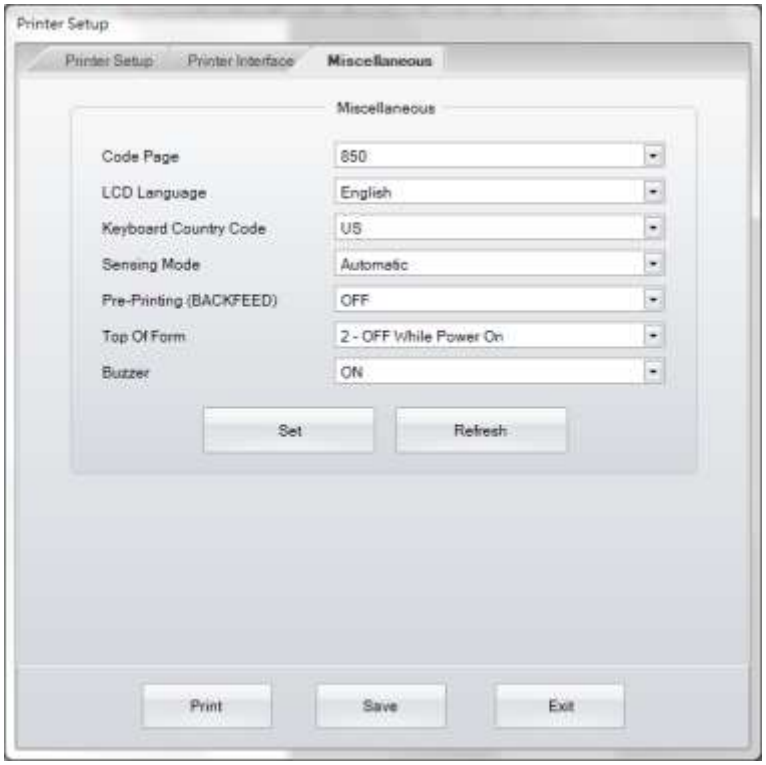
Tear off position (mm)	**Paper Tearing position (from printing line to tear position) (Unit：mm)** **Printing Line：TPH to platen roller vertical position.** **Tear Off ： Tear Bar position** **The default setting is 0 (printing line position) , for paper tearing position will set according to different model.** **Remark 1 : Cutter and peeler stop position please refer to the user manual for the setting.**
Page Direction	**Label format design direction.**
Rotate 180	**Print out rotate 180**
Copies of Label	**Copies of label setting**
Number of Label	**Number of labels setting**
Total No. of Print	**Total Printing Pages display**

4.4 Miscellaneous Setting

- click icon

on the Generic Tool Set, or just click the right key of mouse on the "Label Design Area" and then select "Printer Setup"→''Miscellaneous''.

- Click the icon "Miscellaneous", and then user can using functional bar to set the printer.



Item	Fuction
Code Page	The corresponding table of the Byte data and the Character data, also known as the code page or the inner code table. The software is sent to the printer is the bit information, the printer will be based on the current use of the Code Page, the bit information into character information. Different operating systems require different settings, please refer to the printer technical manual.
LCD Language	Printer with the LCD panel will be available to set the required language displayed.
Keyboard of County code	Set the keyboard country code.
Sensing Mode	3 sensing modes setting available : Reflective, See Through or Auto mode.
Pre-Printing	Must be worked with a cutter or peeler, can reduce the cutter and peeler processing time. When the first label is being cut or peeled off, the printer will print out part of the second label. After cutting or stripping the first label, the printer will continue to print the second label The full content.
(Top Of Form)	Press the first time the paper is positioned after the Power On, Door Open, or the error response. When the value is 0: do not do paper positioning and backfeed, print directly. When the value of 1: the first spit out a piece of paper to do positioning, and then set the value of the stop point to do after the backfeed and then print. When the value is 2: the action is the same as the value 1, but when Power On, it does not work. When the value is 3: do not spit paper to do positioning, according to the stop point set value to do backfeed and then print. Note: This function does not work when using continuous paper.
Buzzer	Buzzer on or off

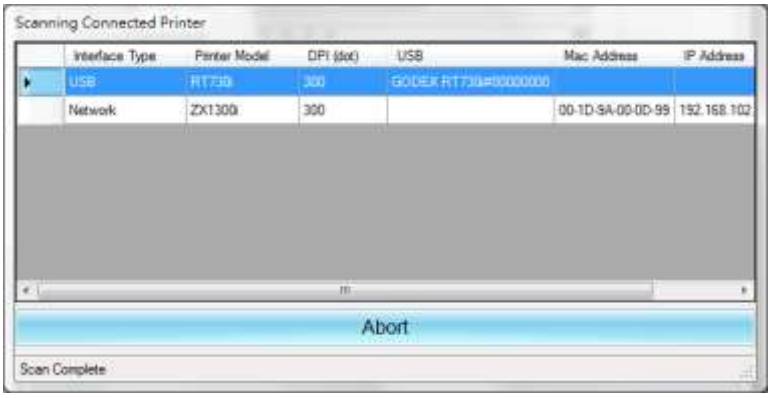
4.5 Printer Interface Setup

Printer interface: USB, LAN, LPT, Serial Ports and Driver Port are selectable as follow:

- Click the icon

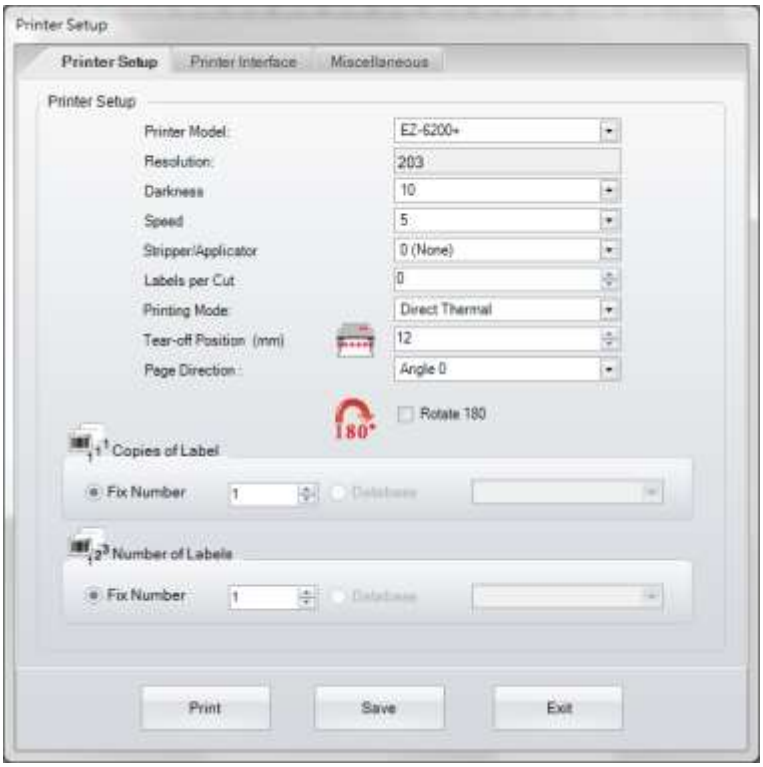
on Generic Tool Set, or just click the right key of mouse on the "Label Design Area" and then select "Printer Setup" and Choose "Printer Interface"
- Please select the port and set the parameter where the printer connected, such as USB, LAN, LPT and Serial Port.
- User can select "Driver Port" and click the icon for instead, this will automatic detect which

model of printer is connected to those ports. Or, user who choose "Auto Detect Connected Printer on Startup" in the dialog, then GoLabel will always auto detect the connecting printer on next time when program re-startup.

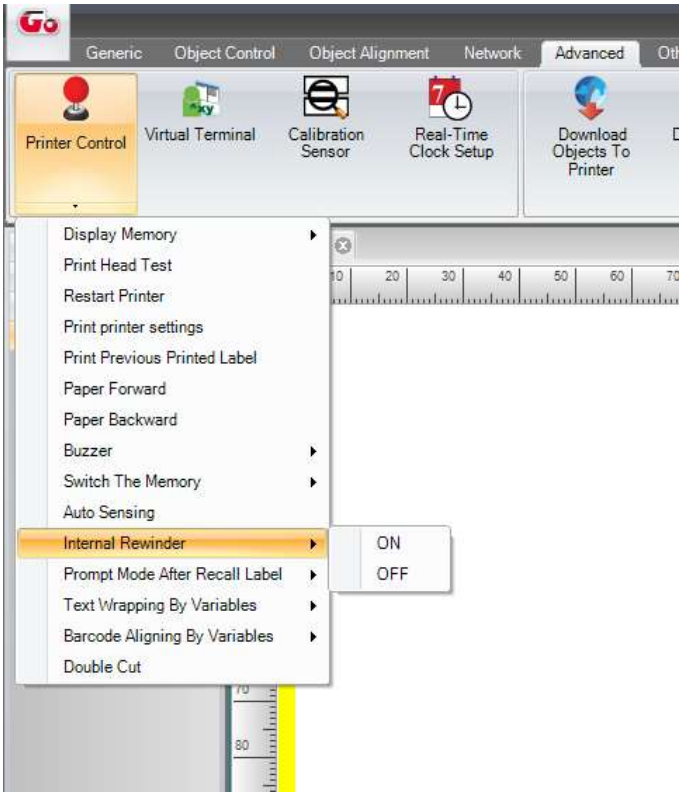


- User could select " Print To File" to store the file as prn file Text.prn .

- Click the icon on Generic Tool Set, or just click the right key of mouse on the "Label Design Area" and then select "Printer Setup" and Choose model name of EZ2205i / EZ2350i / EZ-6200+ / EZ-6300+ series.



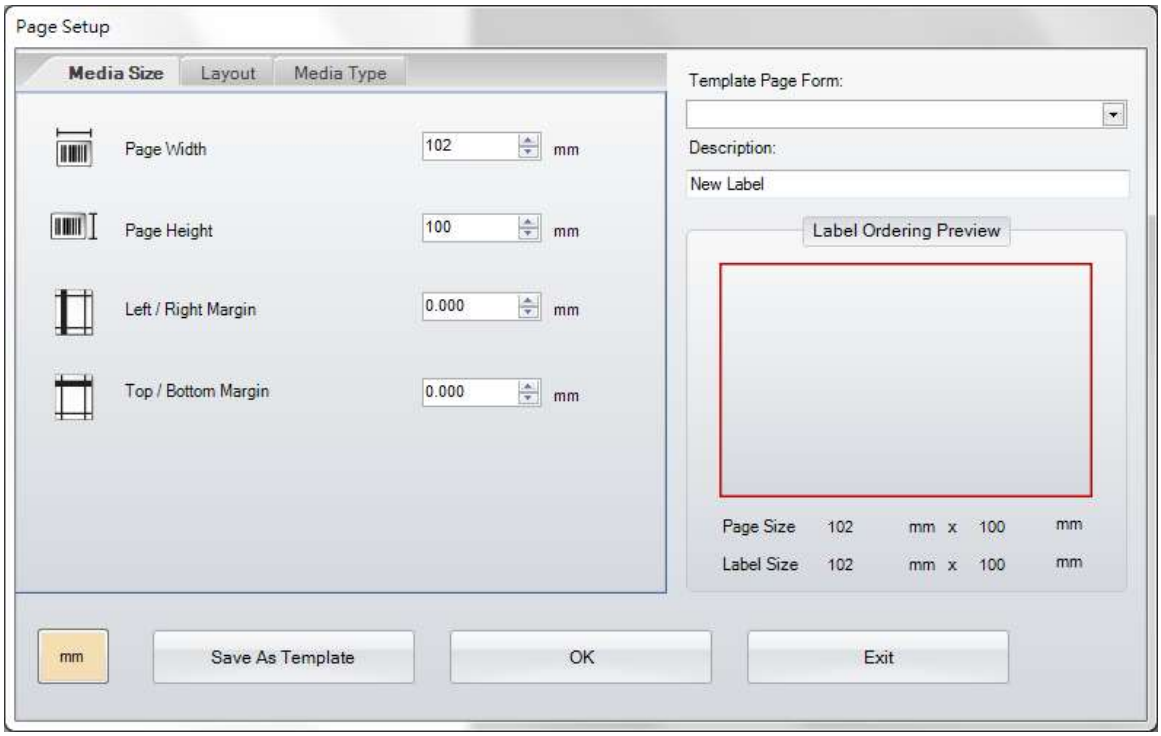
- Click ''Advance'' than click ''Printer Control'' to choose functional of ''Internal Rewinder''.



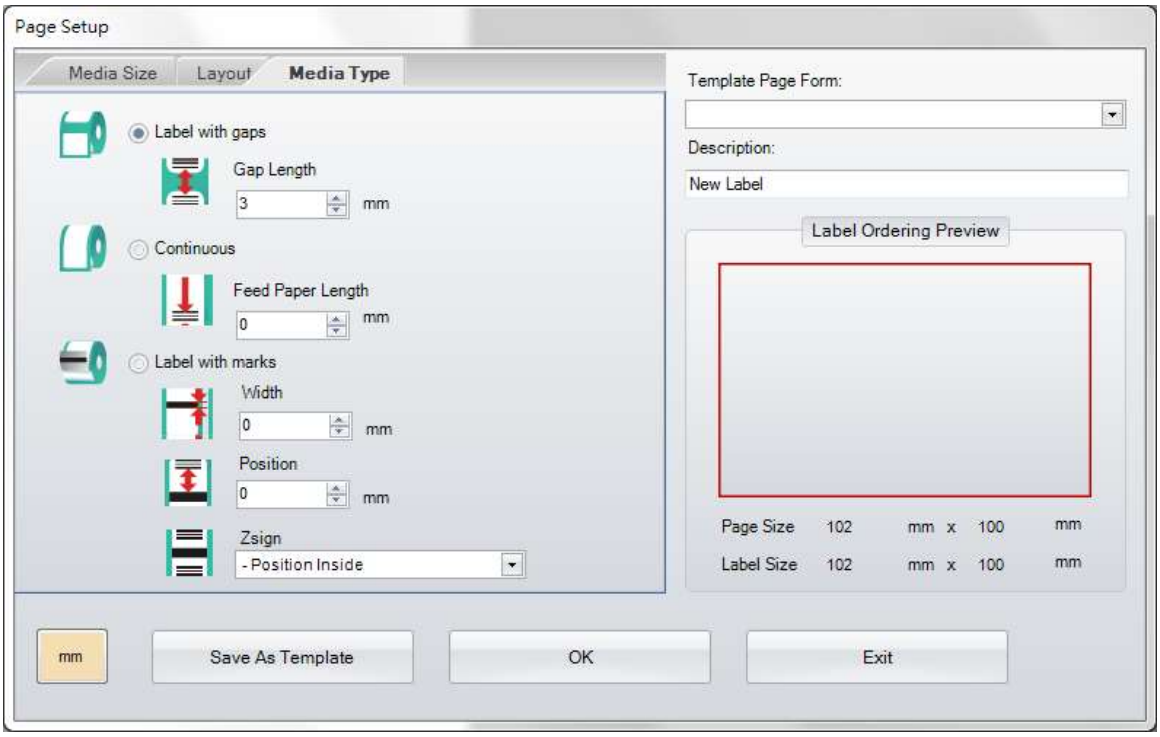
4.6 Select Label Size and Media Type

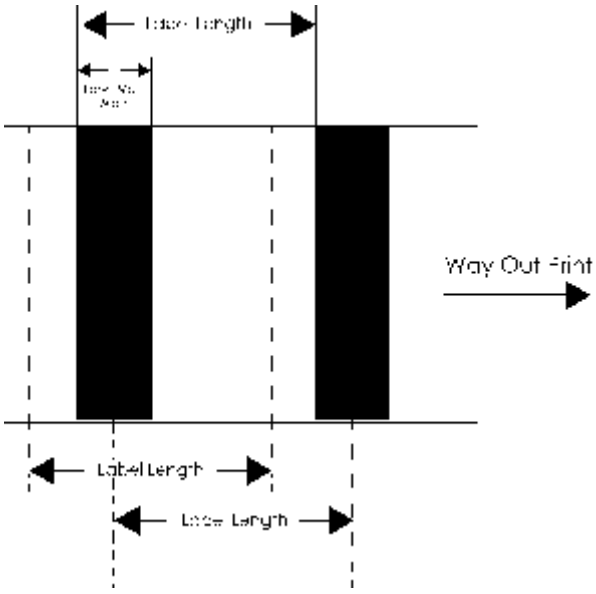
- Click the icon

on the Generic Tool Set
- The label parameters are definable, included “page width”, “Page Height”, "Left/Right Margin" and “Top/Bottom Margin”
  - ➢ The label can be saved as a “self-defined label” by key-in the label name in the column field of “Description” and click “Save as Template” then. In next times when GoLabel startup, user can select the previous saved ““self-defined label” in the pull down column field of “Template Page Form”
- User can be based on different unit to set up(mm/ cm/ dot/ inch).

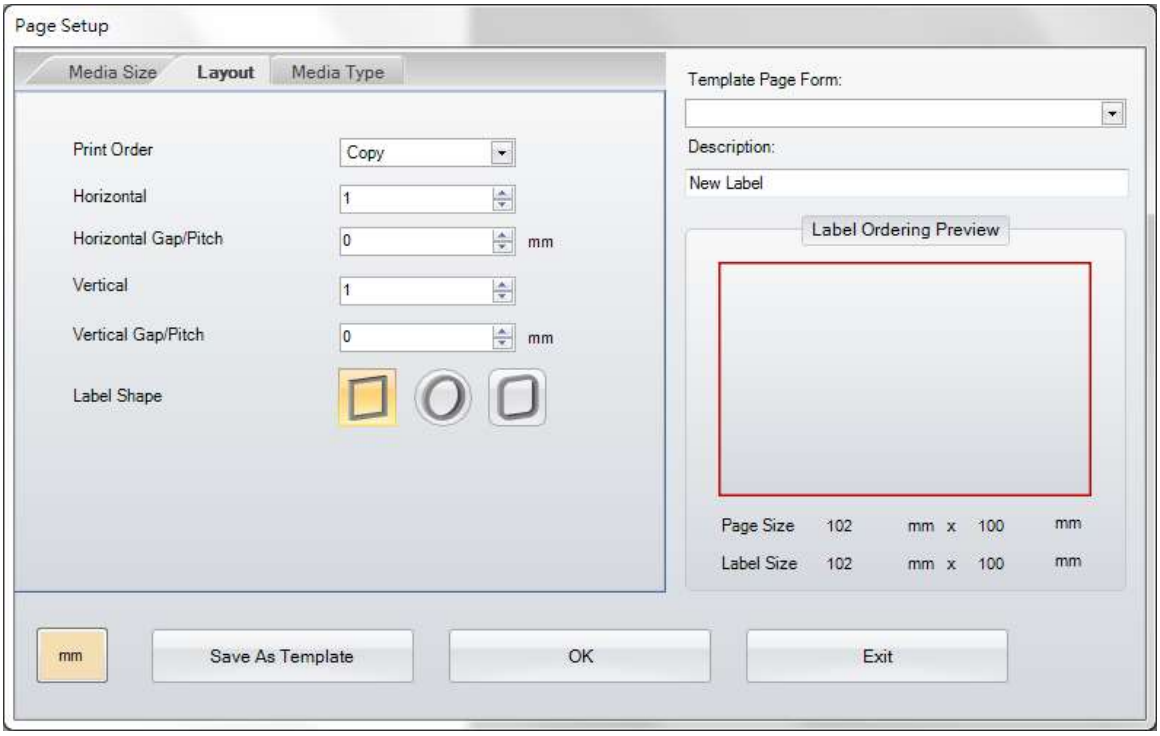


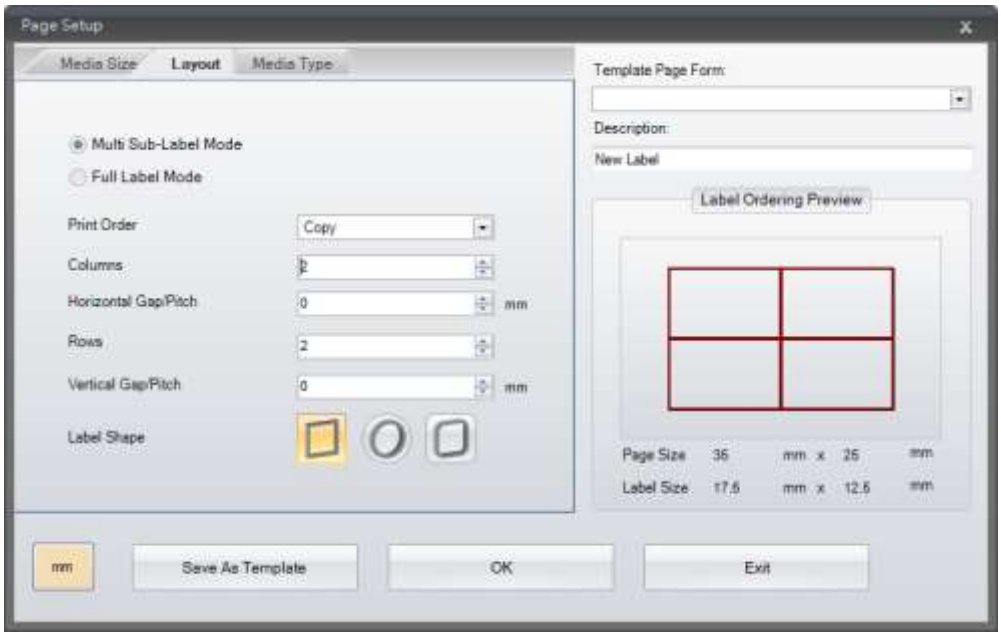
- Select Media Type
  - Label with gaps, a sticking label with liner, every label has a gap in between, called gap length.
  - Continuous, like a fax using paper roll. Due to its continuous, it must set a "Feed Paper Length" if who want has a printing gap in between label and label
  - Label with Mark: A label roller, it has a strip (or block) of black mark pre-printed on the back of liner. It needs setting the black mark's Width, Position and Zsign.





- Choose Media Layout
  - Print Order: Label Printing Order is selectable by Copy, Left to Right or Top to Bottom
  - Horizontal: Label is divided and making them in horizontal layout
  - Vertical: Label is divided and making them in vertical layout
  - Horizontal Gap/Pitch: to define the horizontal gap width between the labels
  - Vertical Gap/Pitch: to define the vertical gap width between the labels
  - Label Shape: Three Label outer shape is selectable
  - Move cursor to inside of "Label Ordering Preview" area and click it, then the label shape and order can be changed immediately for user preview one by one.

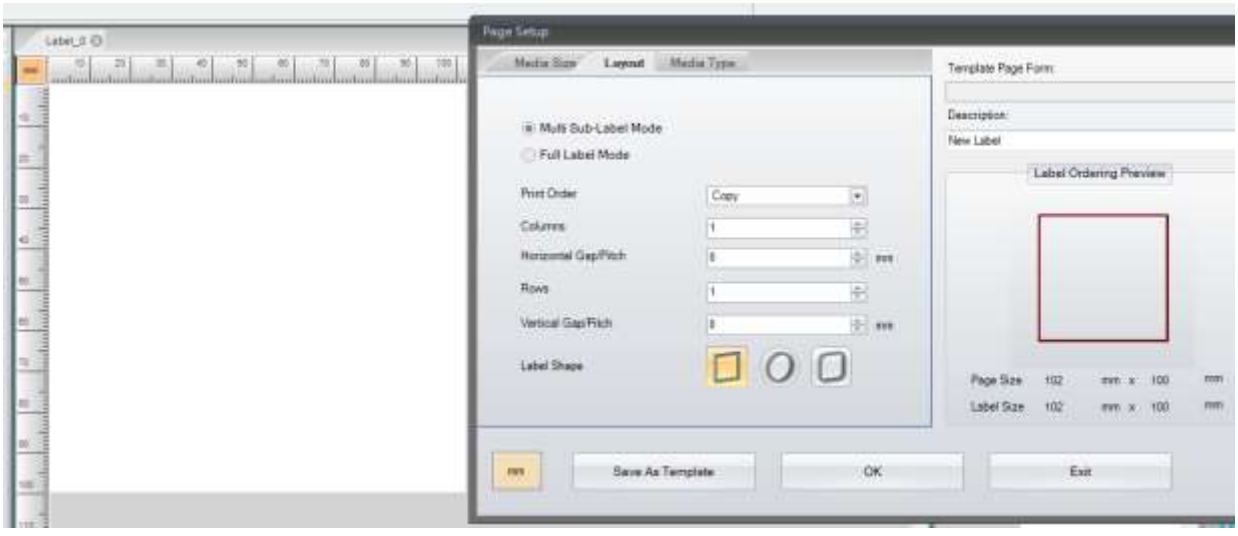




- **Multiple Sub-Label Mode**

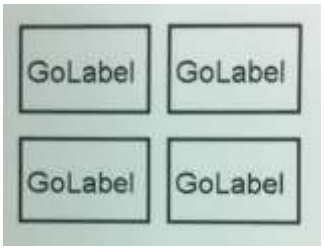
When the value of horizontal or vertical lines is set to greater than 1, the original label is divided into multiple sub-labels. As long as the user to edit one of the sub-tags, other sub-labels will be printed together.

- When the number of horizontal columns and vertical lines is 1, the preview of the label design area is as follows:



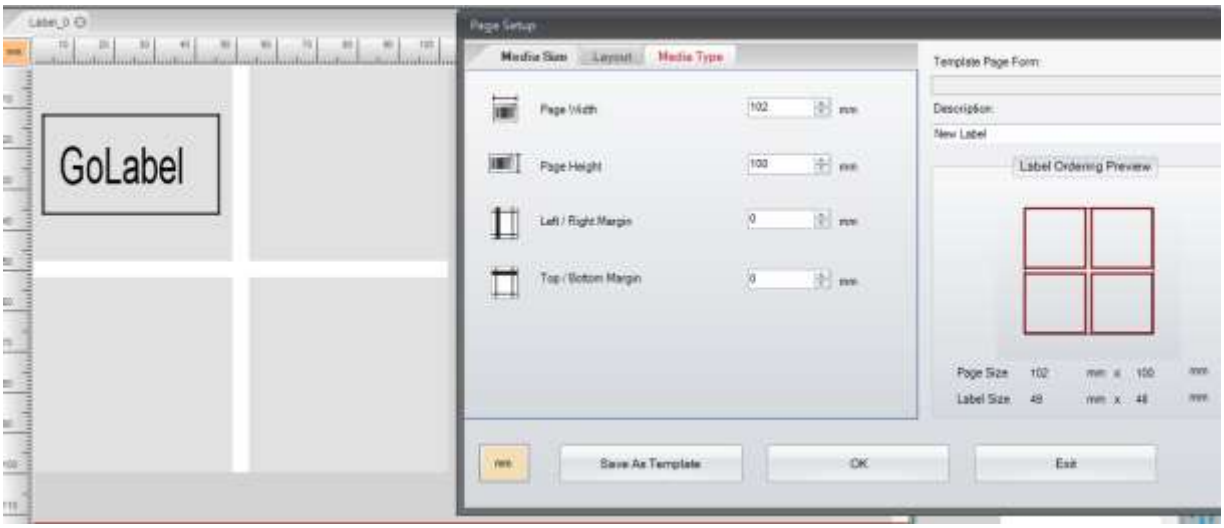
- When the number of horizontal columns and the number of vertical lines is 2, the preview of the label design area is as follows:

Print out as below :



- **Full Label Mode**

The sub label area set in the label design area is marked as light gray, and only the sub-label of the user is displayed when printing.



4.7 Text Setup - Key in a Text into the Label

The Fonts include internal font, download font, and external Font on CF card or USB Stick Memory

- Select "Text" in left side of screen, and then click the icon

.
- Move cursor to where the text will be located and click left key again.

There are three icons showing on the "Text Setup" dialog, "Text", Font Type", "Data Source"

1) In the sub-dialog "Text", the "Horizontal Expand "and "Vertical Expand" are definable by user.

➢ In the right part, it has "Rotation" for Text angle selection, "Text Data" for text key-in and a Preview window.

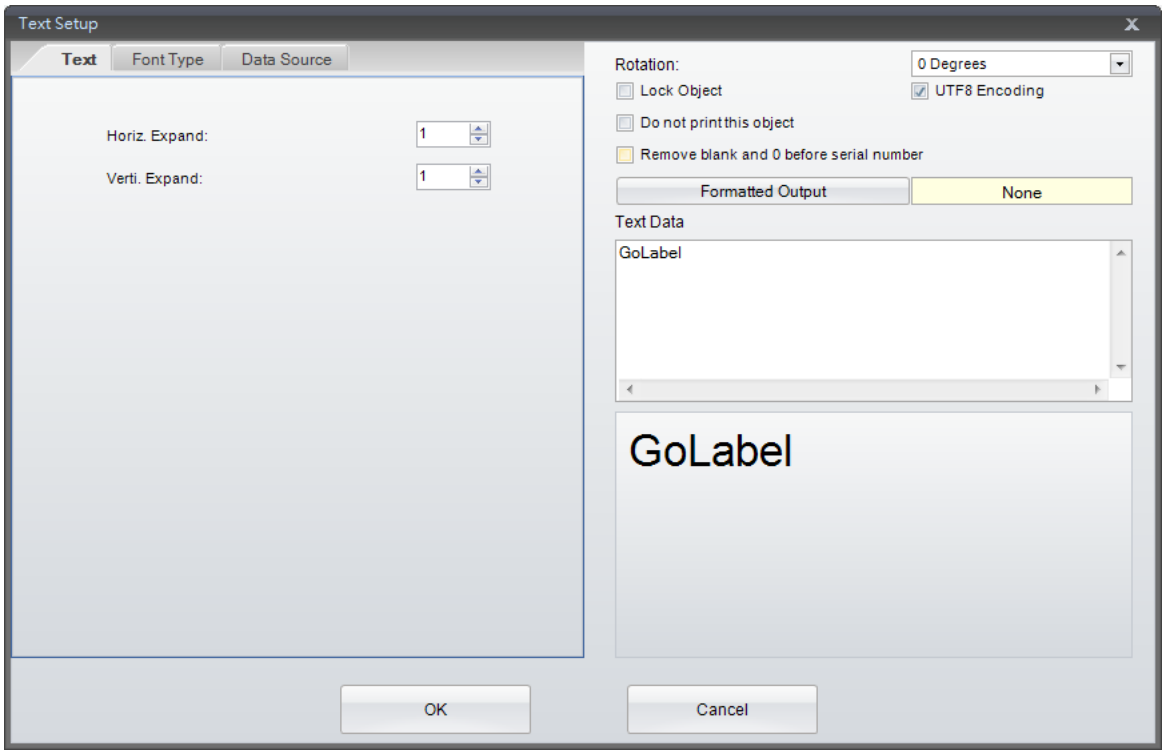
➢ If use "Lock Object" label object cannot be edited or moved in Label Design area.

➢ If use "Do not print this object" , then this object will not be printed

➢ If use the "Remove Blank and 0 before serial number

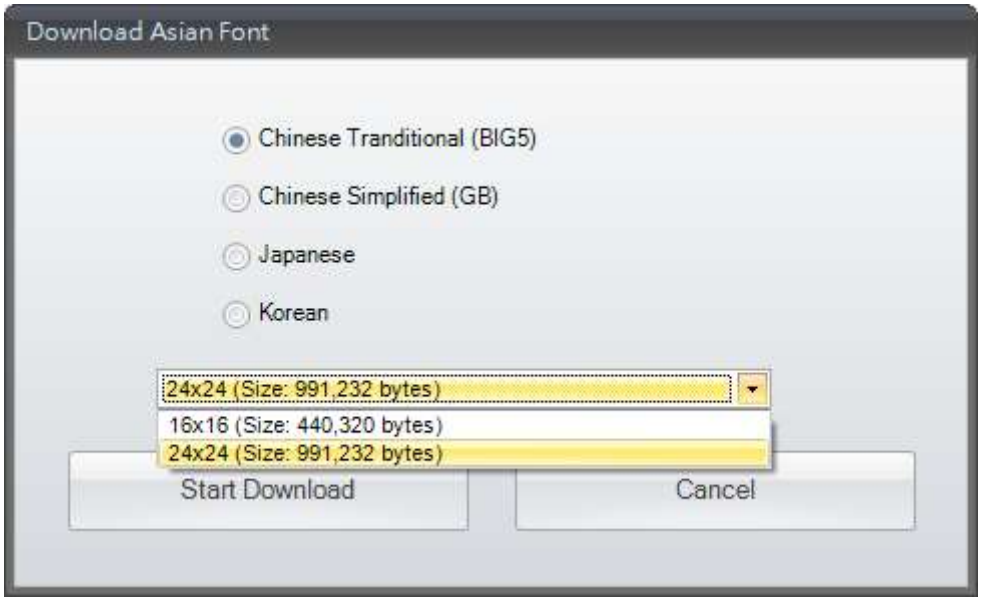
➢ Remove the [Serial.] parameter before the blank with 0: Suppose the serial number is 3, the initial value is 001. When this item is not selected, the result of preview and print is 001. After selecting this item, the result of preview and print is 1.

➢ UTF8 encoding: Send data to the printer in UTF8 encoding format. If this item is not checked, it will send the information to the printer according to the current language of the computer operating system.

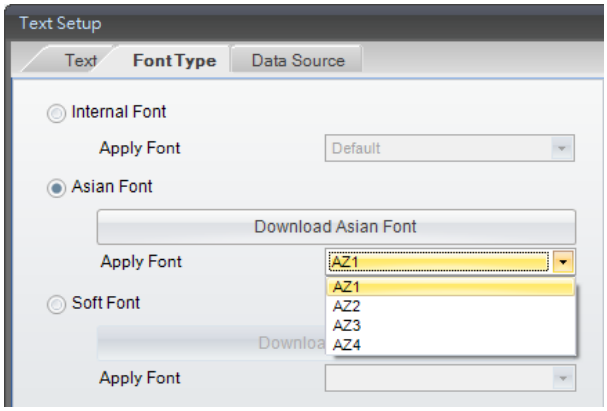


2) In the sub dialog "Font Type", user may choose and define the parameters for the "Internal Font", "Asian Font", "Soft Font ", "True Type Fonts" and "Download Font"

- Internal Fonts are built-in on the printer's F/W, only alphabetical text and numbers are existed. (support the code table 0x20 ~ 0xFF)
- Asian Font, user can choose some Asian font and download it to the printer Flash or USB memory. Font size is only available for 16 x 16, 24 x 24



The downloaded font will provide a selection in the drop-down menu of the font to be applied



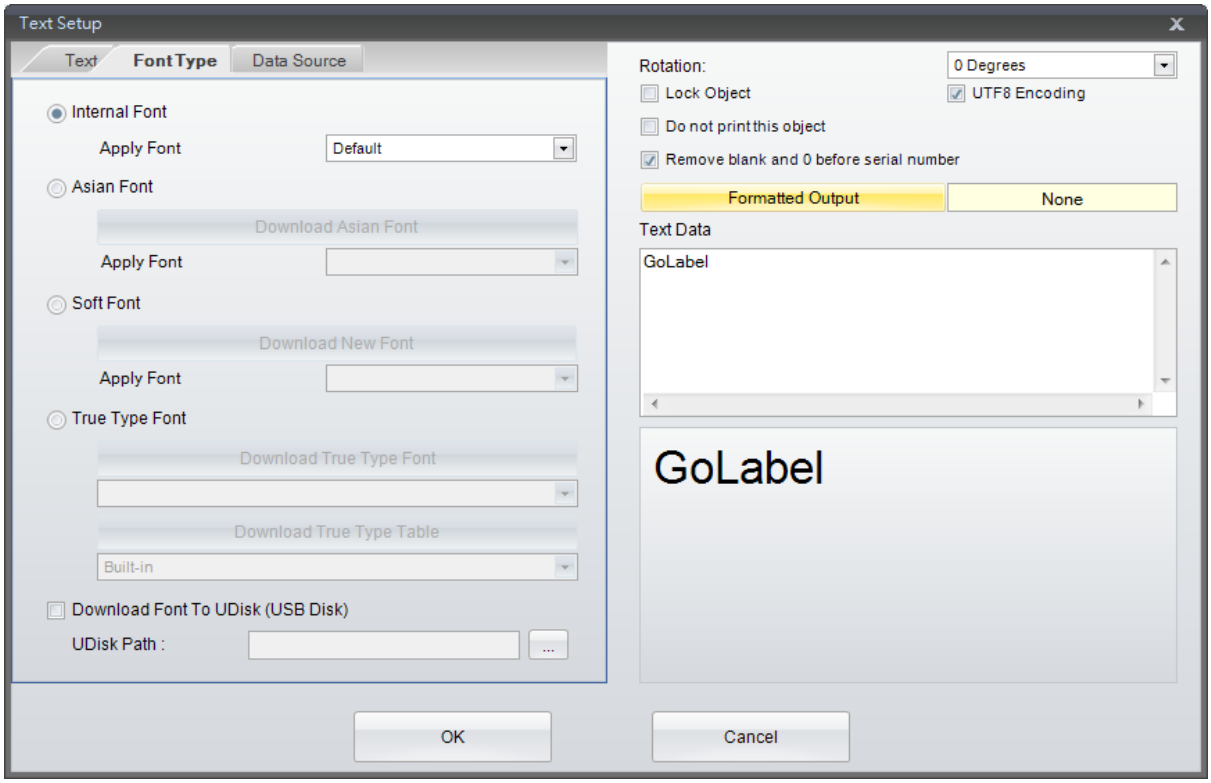
Note 1: When using Asian fonts, " UTF8 encoding" will not be workable

Note 2: When using Asian fonts, you must switch the language of the operating system to the country where you selected the font to print properly

Note 3: The font size 16x16 indicates that the text consists of 16x16 dots, the printer resolution is 203 dpi relative to the text size of 2x2 mm, the 300 dpi is 1.3x1.3mm and the 600 dpi is 0.7x0.7mm.

Note 4: The font size 24x24 indicates that the text consists of 24x24 dots, the printer resolution is 203 dpi relative to the text size of 3x3 mm, 300 dpi is 2x2 mm and 600 dpi is 1x1mm.

- Soft Font, Download font files from the computer to the printer. Only supports English letters, numbers and special symbols on the part of the keyboard (support inside code table 0x20 ~ 0xFF).
- True Type Font (TTF), provides for user to download True Type Font and to download True Type Table which can define its parameters, which also supports to Multi-Language.
  - Below dialogs will be popped up when select "True Type Font" and click "Download True Type Font"; then choose either of TTF file and download it to printer.
- The detail of how to use "Download Font To UDisk(USB Disk)" in the chapters 5.8.2
- In the right part, it has "Rotation" for selection, "Text Data" for text key-in and a Preview window. (Details Refer to page 22 Rotation paragraph)



3) In the sub dialog "Data Source", user can select where the text data going to come from - "General" or "Database"
   - General: it select data source of text is coming from a pop up "self-defining table" that user can setup the text stream with serial number, variable, data and time then.
   - Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by the icon

"Database Query" in "Generic Tool Set".

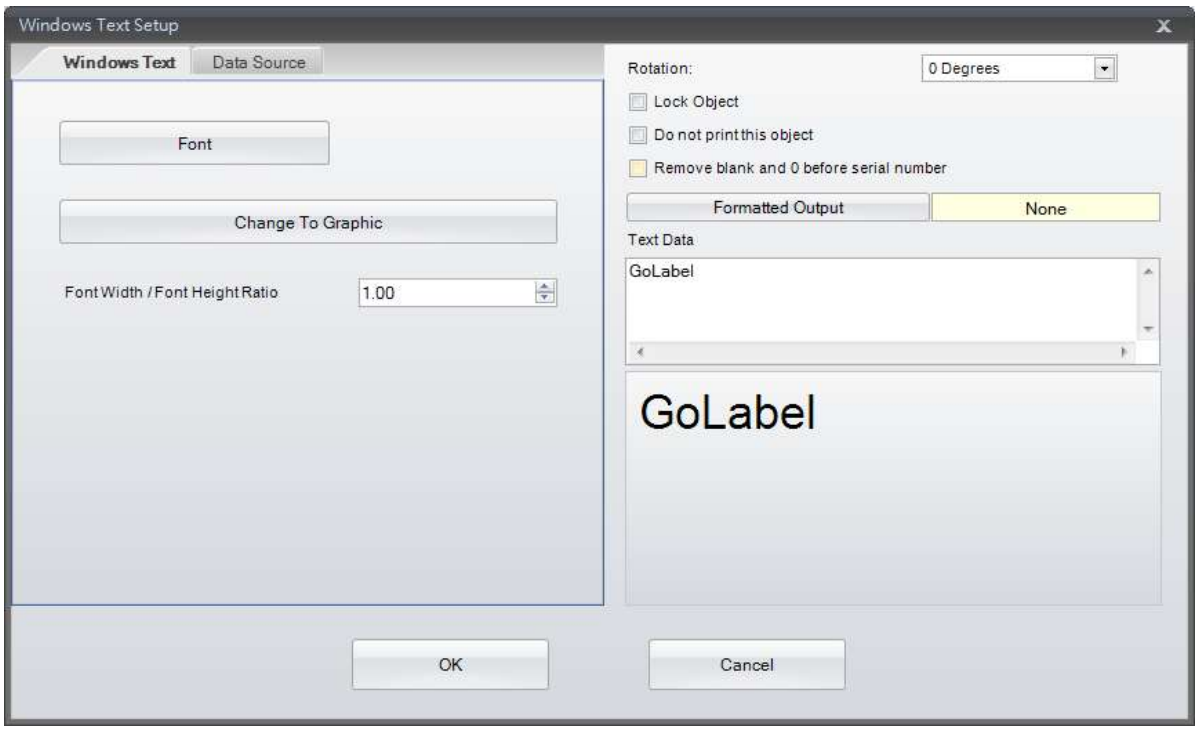
- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5
- In the right part, it has "Rotation" for selection, "Text Data" for text key-in and a Preview window. (Details Refer to page 22 Rotation paragraph)

4.8 Windows Fonts

GoLabel supports Windows Fonts but has some limitations due to these fonts is created truly by dot-matrix not like other fronts that built-in on printer.

- Select "Text" in left side of screen, and then click icon

in the "Object Too Set", move cursor to the location that "Window Text" will be located and click left key again.
- In the "Window Text Setup" dialog, click the "Font" it will pop up a sub-dialog for the font type and size selection. It also can be rotated, and changed (converted) to graphic.
- If use "Lock Object" label object cannot be edited or moved in Label Design area. (Details Refer to page 22 Rotation paragraph)
- In case it "Changed to Graphic", then the text will convert to "Graphic Object" and then download to printer memory. This will helpful speed up the put-through-time, but it can't be editing anymore when it has been changed to Graphic.

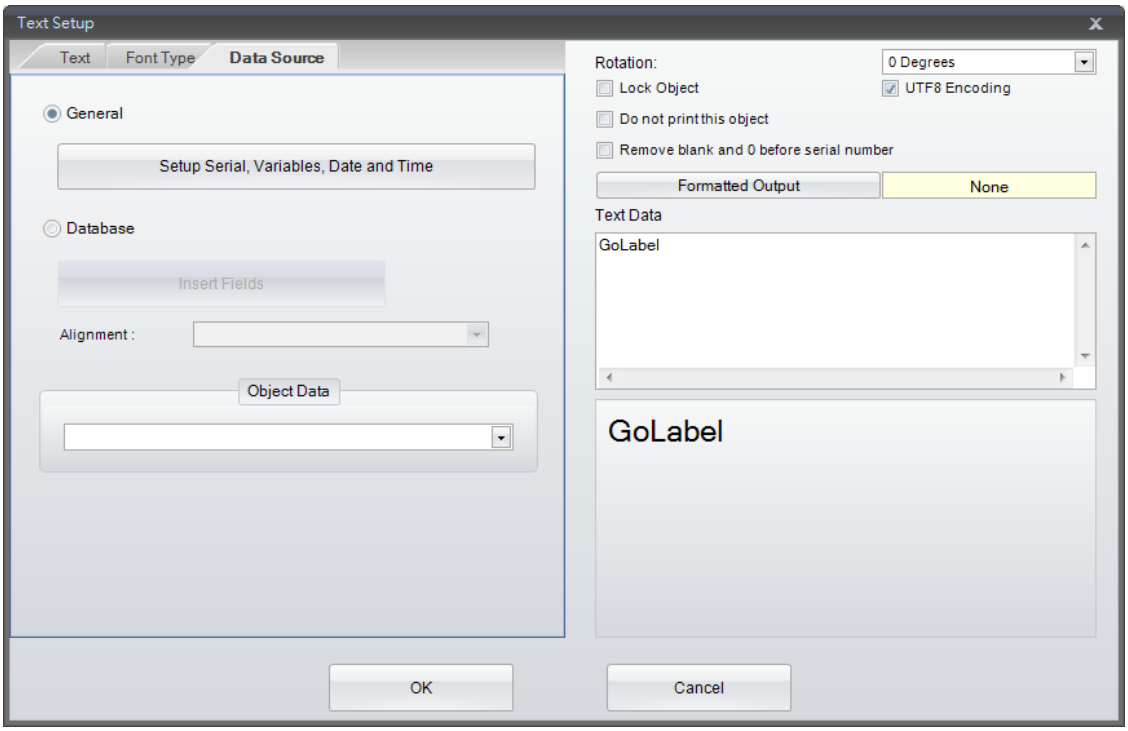


- In the sub dialog "Data Source", user can select where the text data going to come from - "General" or "Database"
  - General: it select where the "Data Source" of text is coming from, which will pop up a "self-defining table" that user can define the text stream with serial number, variable, data and time.
  - Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by

the icon

"Database Query" in "Generic Tool Set".

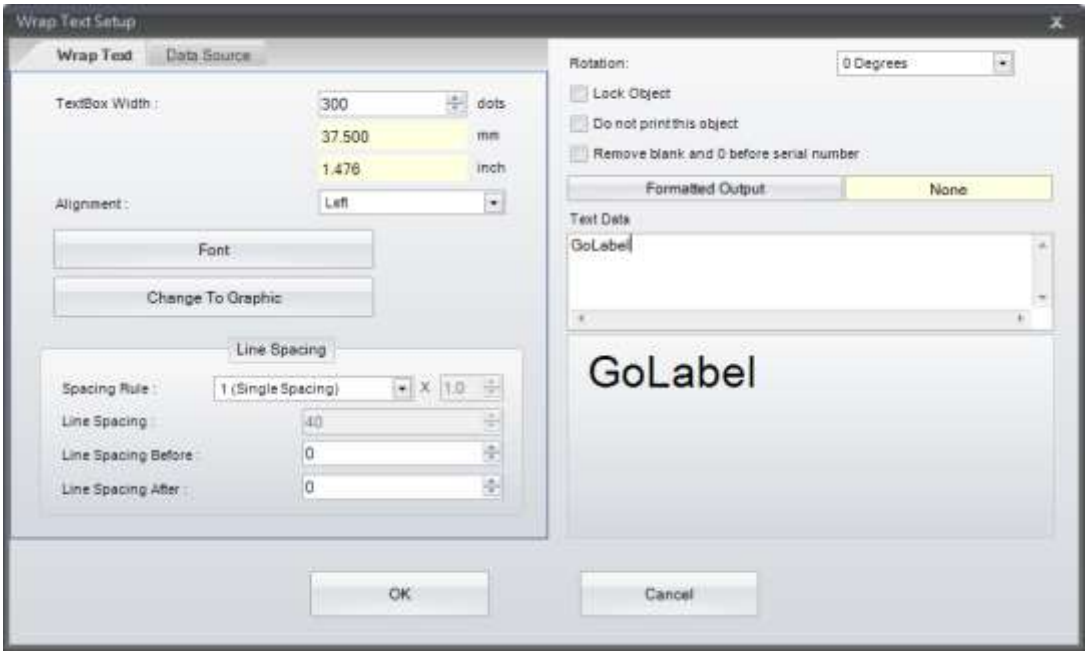
- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5



4.9 Wrap Text

Use this object to make it easier for users to type. Set the width of the text box to limit the text print range, data content exceeds the width, it will automatically wrap. As with Windows text objects, it supports Windows-supplied fonts and does not need to download font files to the printer. Print will first turn the text into graphics, and then print the graphics through the instructions to print

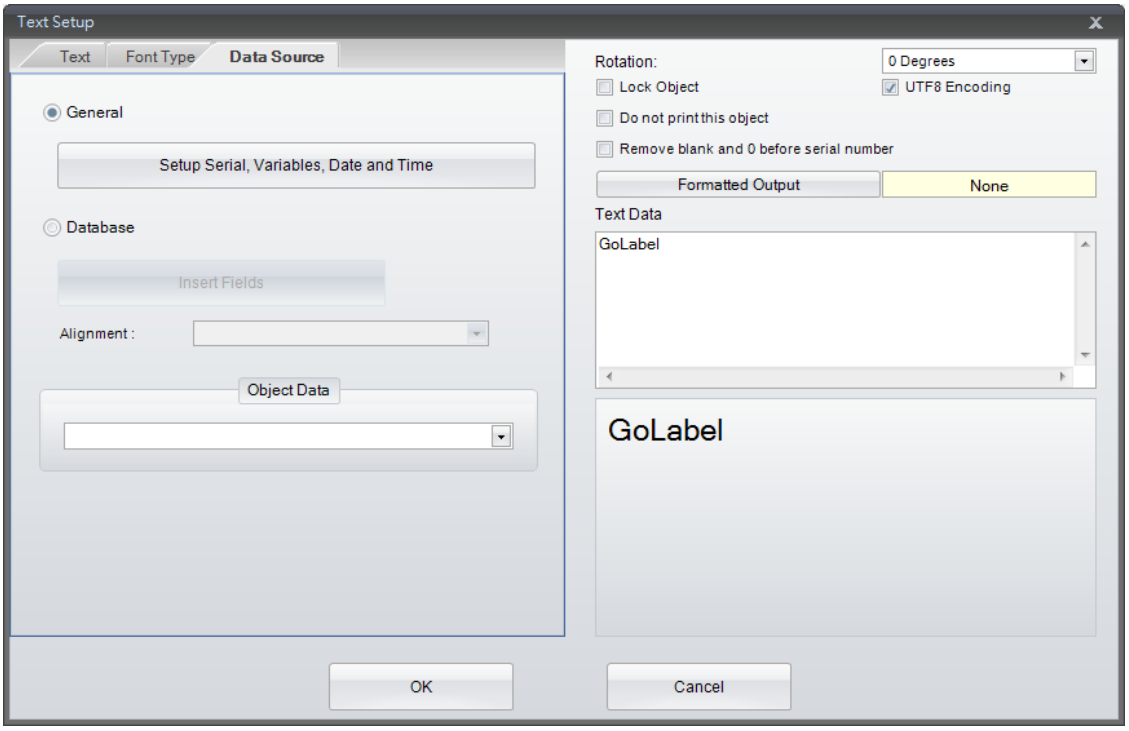
- Text box width: set the text print range. When the content exceeds the width, it will wrap.
- Font: select Windows fonts, font style, size
- Turn into graphics mode: converted into a map and save, can no longer modify the data content
- Line Spacing Settings: set the line and line spacing, paragraph and paragraph spacing
- If use "Lock Object" label object cannot be edited or moved in Label Design area. (Details Refer to page 22 Rotation paragraph)



- In the sub dialog "Data Source", user can select where the text data going to come from - "General" or "Database"
  - General: it select where the "Data Source" of text is coming from, which will pop up a "self-defining table" that user can define the text stream with serial number, variable, data and time.
  - Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by the icon

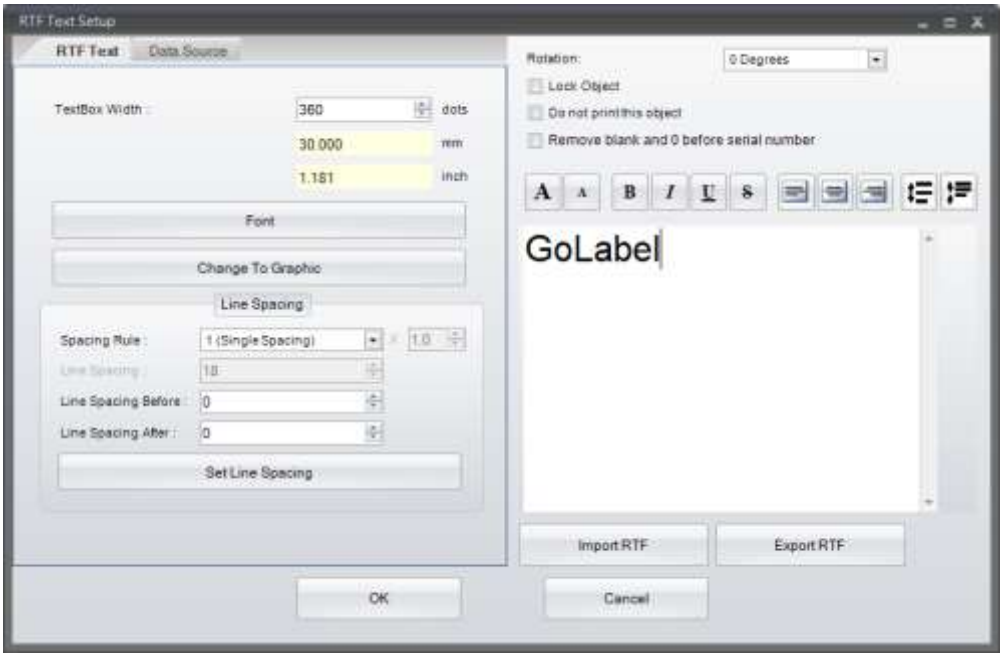
"Database Query" in "Generic Tool Set".

- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5



4.10RTF Text

Can edit a variety of fonts at the same time, with automatic line breaks and keyword settings. As with Windows text objects, it supports Windows fonts and does not need to download font files to the printer. First turn the text into a graphic, and then print it by printing the graphics.

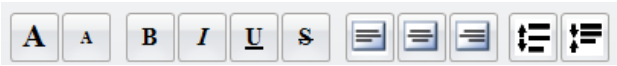


(1) General Setting

Please refer to the text general setting.

- **Tool ：**

  Including magnified text, narrow text, bold, italic, bottom line, strikethrough, left alignment, center alignment, right alignment, increased line spacing and reduced line spacing. Set the text to be selected when you want to set it.



- **Input/Out RTF File：**

  Can export the RTF file and the text in the imported RTF file.

(2) RTF Text

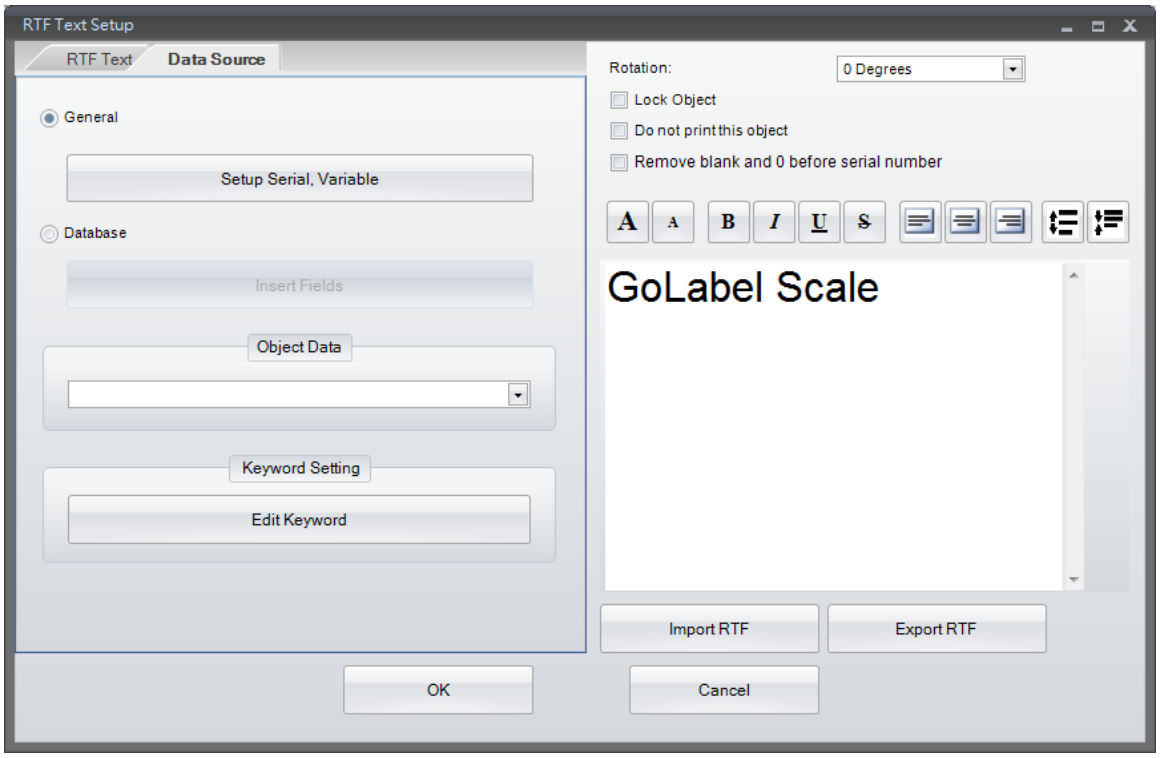
Text box width: set the text print range. When the content exceeds the width, it will wrap.

Font: select Windows fonts, font style, size.

Turn into graphics mode: converted into a map and save, can no longer modify the data content.

Line spacing settings: set the line and line spacing, paragraph and paragraph spacing.

(3) Data Source



- **General：**

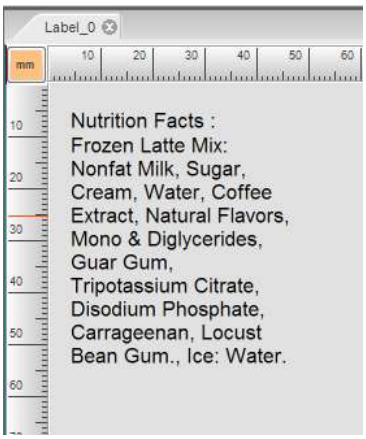
  Please refer to page 28。

- **Keyword Setting ：**

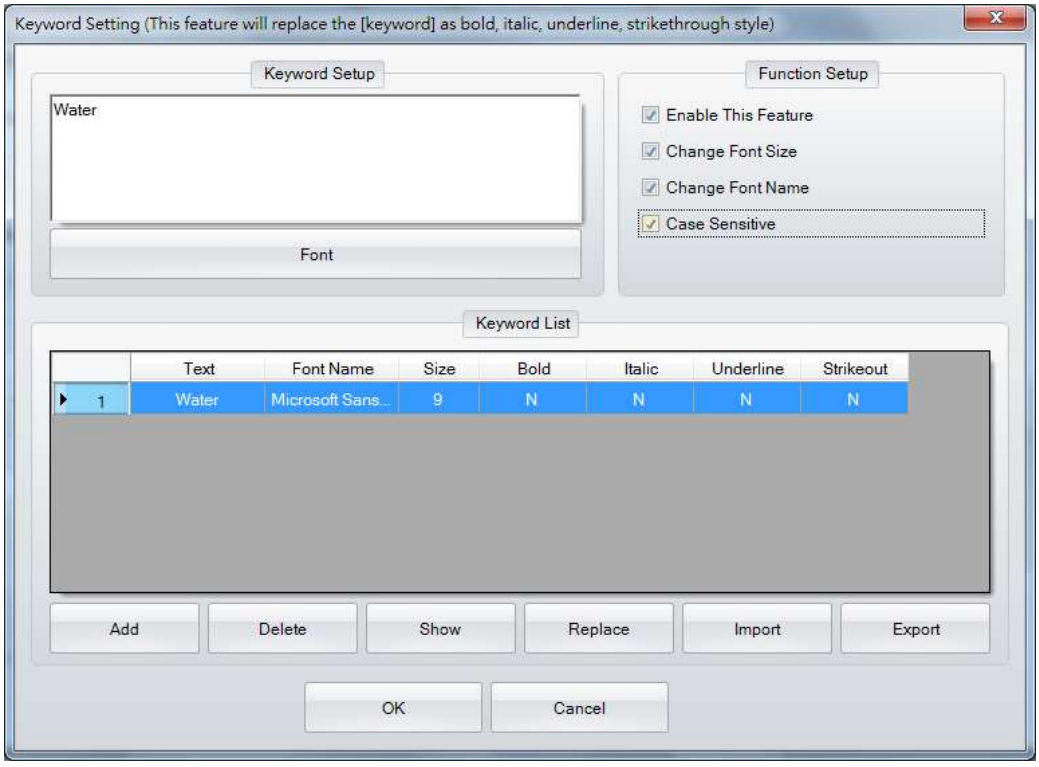
  Set the RTF text to be a keyword, change the font, font size, bold, italic, bottom line, and delete lines without modifying the original content.

  Process as below：

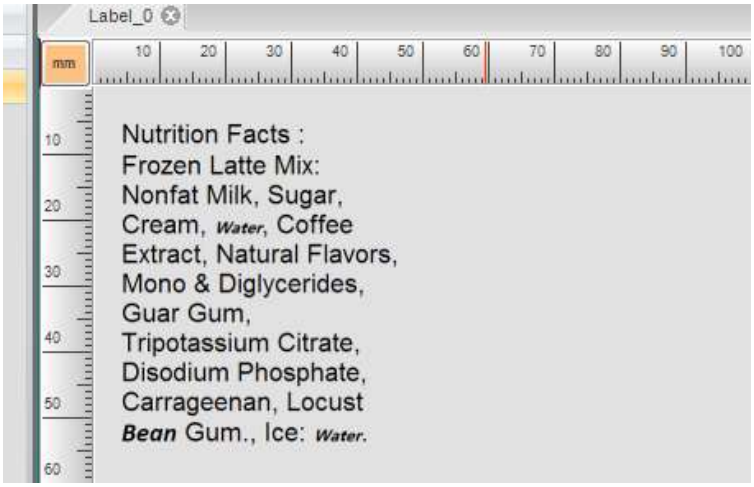
  A. The contents of RTF as below ：



B. In Keyword Setting, type the keyword that you want to change the font size, font name, case sensitive (as below figure)



C. All the setting completed, press O.K. then, in the label design area RTF keyward will be replaced to the setting you have done.



4.11Word Art

This object allows the text style to be changed. As with Windows text objects, it supports Windows fonts and does not need to download font files to the printer. First turn the text into a graphic, and then print it by printing the graphics.

(1) General Setting

Please refer to page 28

(2) Windows Text

- **Font：** Windows font, size, Type selectable.
- **Change to Graphic：** When data been transferred to Graphic, it won't be editable.
- **Font Width/Font Height Ratio：** Font width/height ratio adjustment
- **Fill Patterns：** There are very types of patterns selectable.
- **Brush Color：** only available for black or white
- **Line：** Text frame.
- **Thickness：** Text frame thickness setting
- **Transform：** Change text style

(3) Data Source

Please refer to page 28

4.12Create a Barcode

4.12.1 Create 1D Barcode

1) Symbology

- Select "Barcode" in the left side of screen, and then click the icon

of the "Object Too Set", and move cursor to the location that "1D Barcode" will be located and click left key again.

  Barcode height, and width / narrow ratio, will affect the correctness of barcode printing and CCD read, so set the need to consider the barcode standard.

  The contents of the data must be pressed after Enter or update preview, then the preview will change.

- There are four sub-dialogs in the "Barcode Setup" – Symbology, Human Readable Style, Font and Data Source
- In the Symbology sub-dialog, choose barcode type first and then define its Height, Narrow, Width, and Width/Narrow Ratio. Be sure to design a corrective barcode for scanner reading.
- The barcode also can be rotated from 0, 90, 180- and 270 degree. A field of "Bar Code Data" may key-in by users themselves.
- Rotate :

  If use "Lock Object" label object cannot be edited or moved in Label Design area.

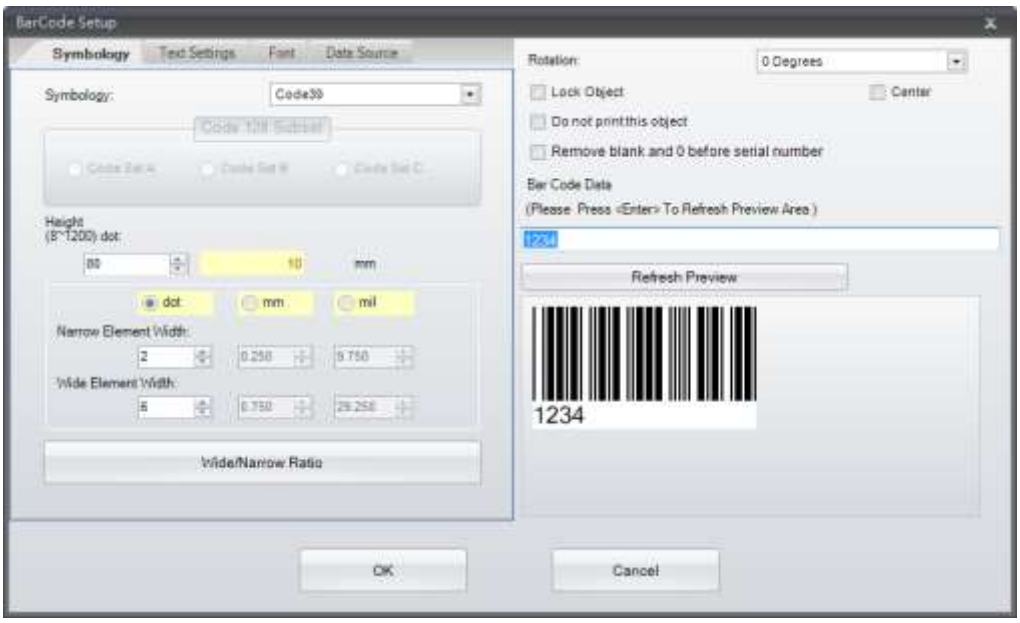
  Center：When printing, the bar code is printed relative to the width of the label.

  If use "Do not print this object" , then this object will not be printed

  If use the "Remove Blank and 0 before serial number

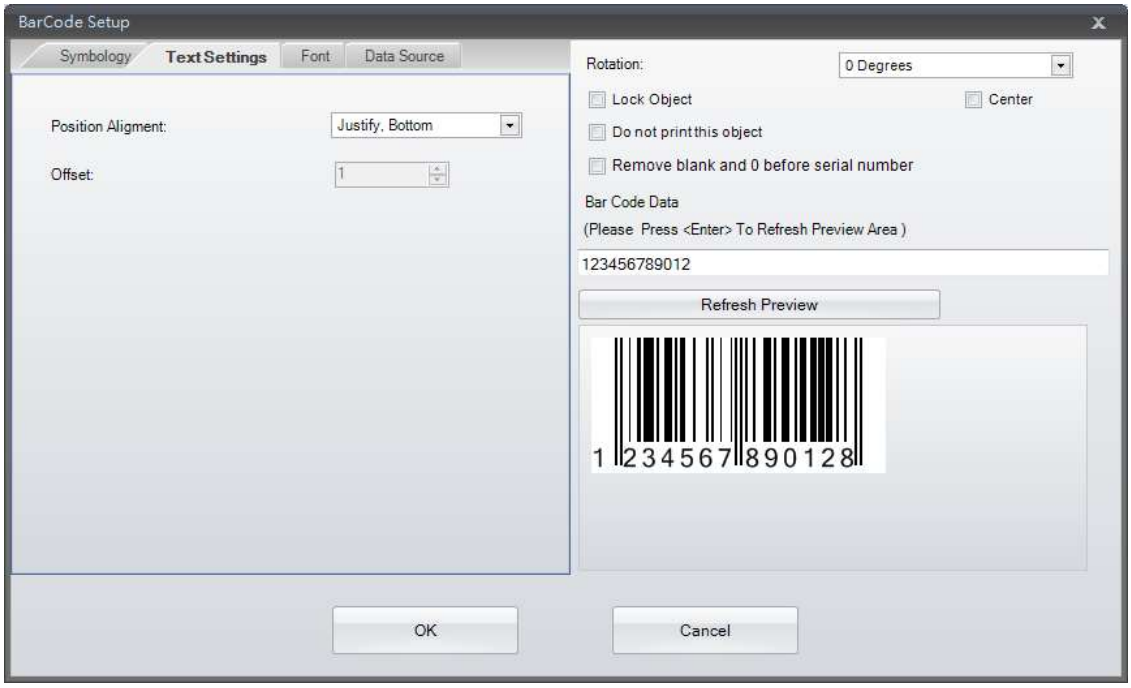
  Remove the [Serial.] parameter before the blank with 0: Suppose the serial number is 3, the initial value is 001. When this item is not selected, the result of preview and print is 001. After selecting this item, the result of preview and print is 1.

- After the completed of definition the Barcode, please click "Refresh Preview" to preview the designing Barcode, or press "Enter Key" while you key-in the data to the field of "Bar Code Data"
- There are many documents on the web or book story can be reference if someone is no idea how to design the 1D barcode.



2) Text Settings

- Click and enter to sub-dialog "Test settings", to select "Position Alignment" and "Offset" that decides where the position of "TEXT" to be alignment, which also will update the display on "Preview" window.
- Rotate: General Setting , refer to page 34

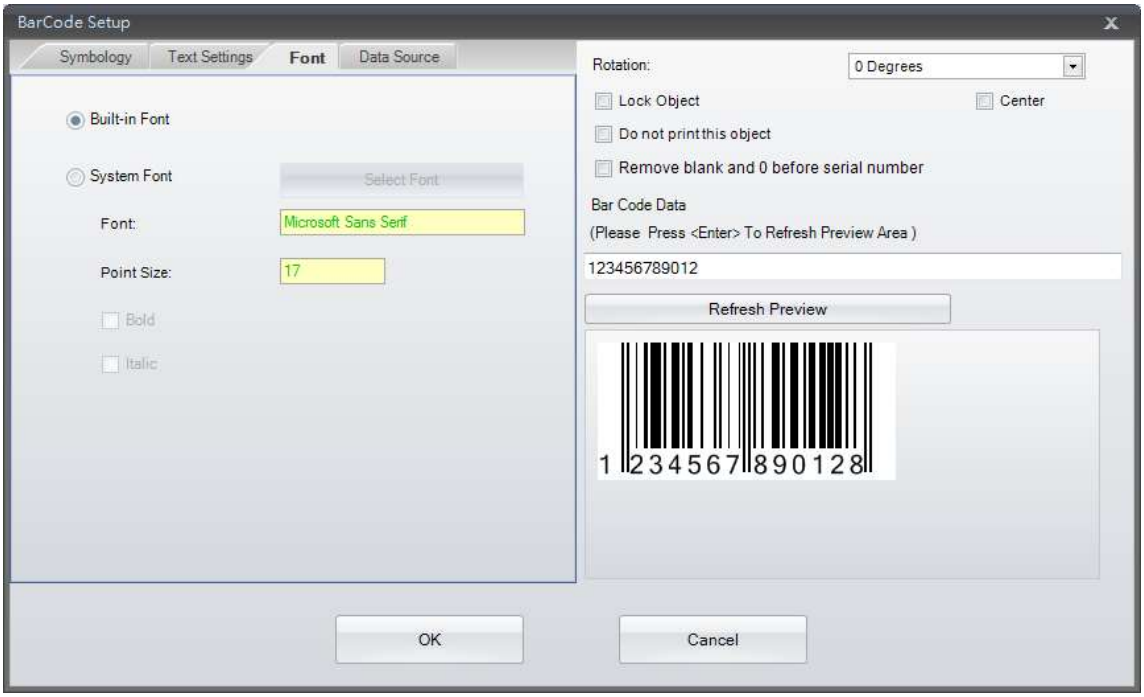


3) Font

Click and enter into sub-dialog "Font", if would like to change the font/ point size/ Bold or Italic

need to choose '' System Font'' .

Rotate: General Setting , refer to page 34

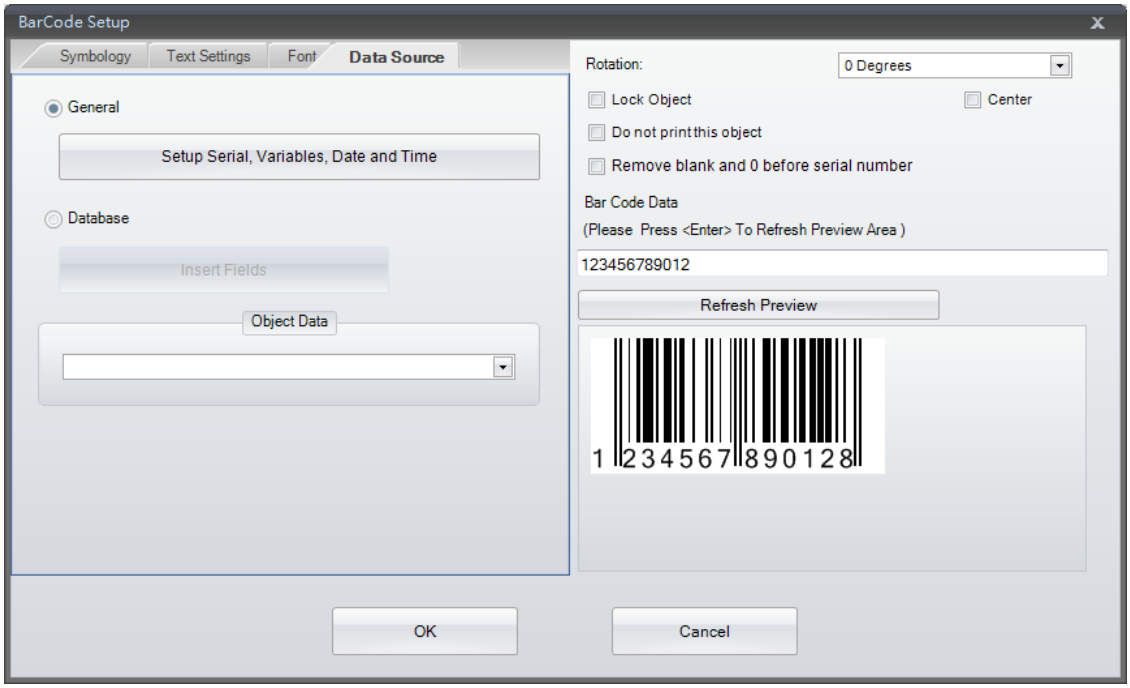


4) Data Source

In the sub dialog "Data Source", user can select where the data source will be linked to Barcode - "General" or "Database"

- General: it select where the "Data Source" of Barcode is coming from, which will pop up a "self-defining table" that user can define the text stream with serial number, variable, data and time.
- Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by the icon

"Database Query" in "Generic Tool Set".
- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5
- Rotate: General Setting , refer to page 34

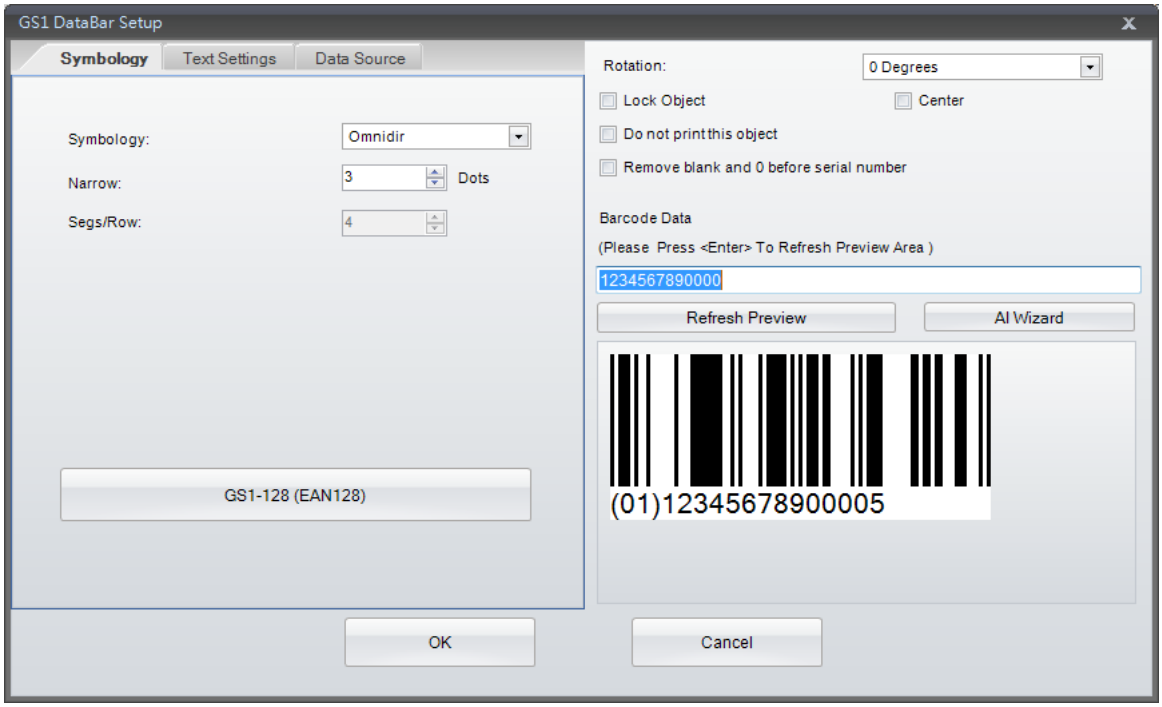

BarCode Setup
Symbology
Text Settings
Font
Data Source
General
Setup Serial, Variables, Date and Time
Database
Insert Fields
Object Data
Rotation:
0 Degrees
Lock Object
Center
Do not print this object
Remove blank and 0 before serial number
Bar Code Data
(Please Press <Enter> To Refresh Preview Area)
123456789012
Refresh Preview
1 234567 890128
OK
Cancel

4.12.2 Create GS1 DataBar

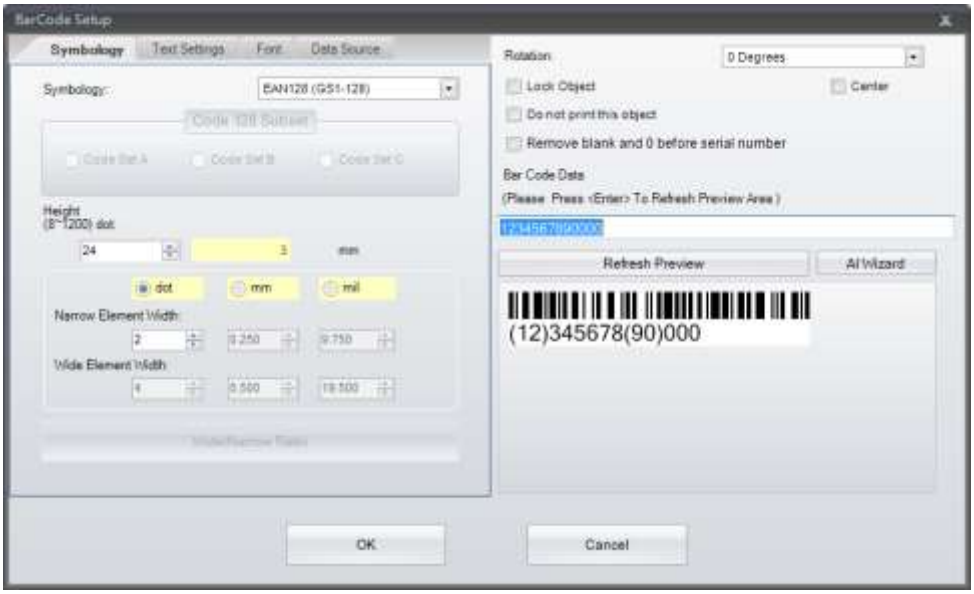
1) Symbology

- Select "Barcode" in left side of screen, then click the icon

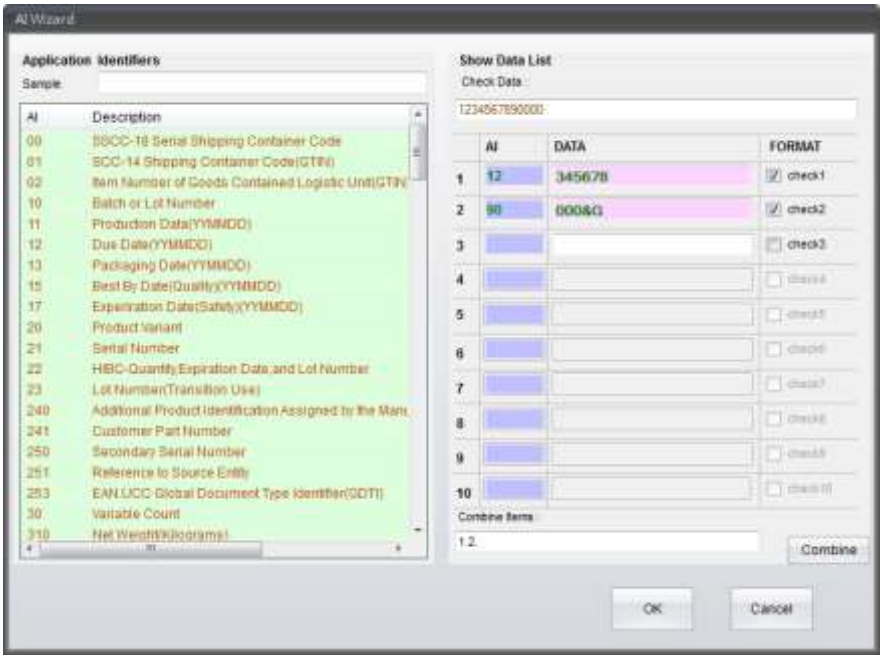
in the "Object Too Set", and move cursor to the location that "GS1 Databar" will be located and click left key again.
- There three sub-dialogs in the "GS1 Databar Setup" – Symbology, Human Readable Style and Data Source
- In the Symbology sub-dialog, choose the type of GS1 Databar first and then define its Height, Narrow and Segs/Row then. Be sure to design a corrective GS1 Databar for scanner reading.
- The GS1 Databar also can be rotated from 0, 90, 180- and 270 degree. A field of "Bar Code Data" may key-in by users themselves.
- Rotate : General Setting , refer to page 34
- After the completed of definition the GS1 Databar, please click "Refresh Preview" to preview the designing GS1 Databar, or press "Enter Key" while the data is completed key-in to the field of "Bar Code Data"
- There are many documents on the web or book story can be reference if someone is no idea how to design the GS1 Databar.



- Click ''GS1-128(EAN 128)'' to design GS1-128.

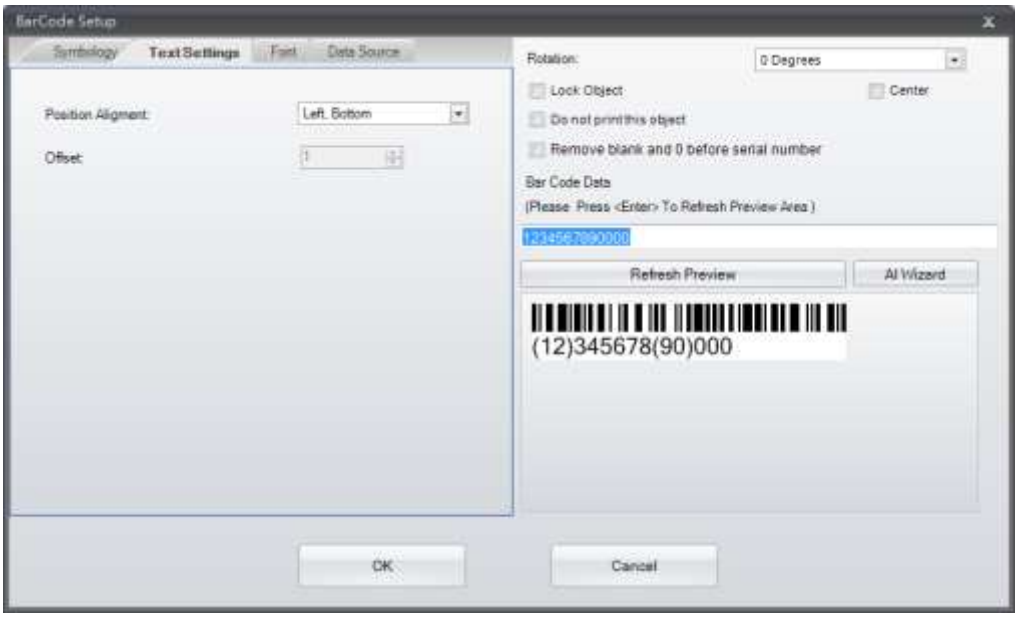


- Click ''AI Wizard'' for AI Wizard set up.



2) Text Settings

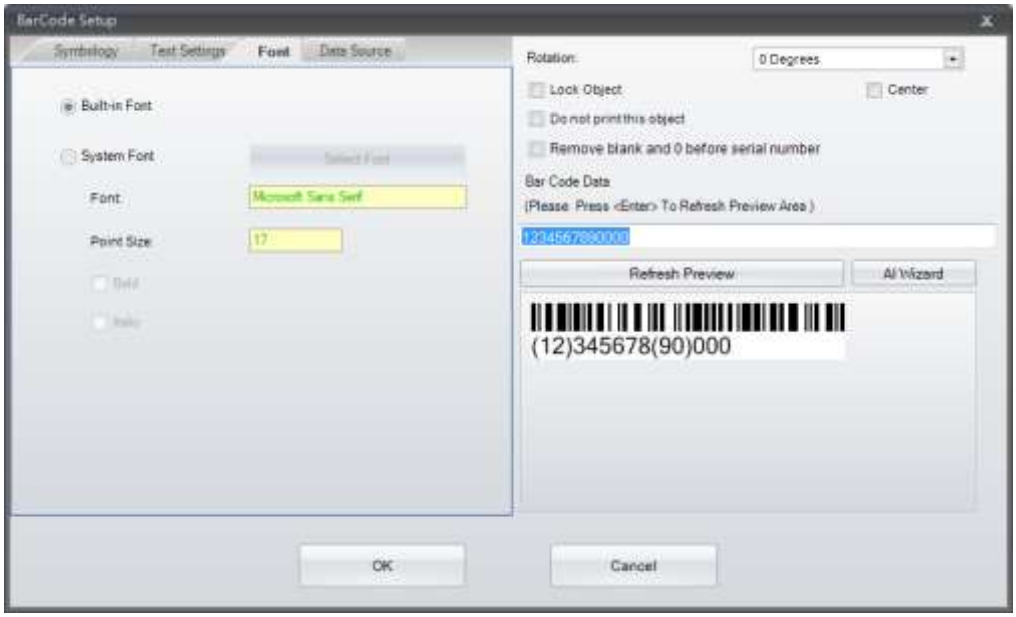
- Click and enter to sub-dialog "Text Settings", to select "Position Alignment" that decides where the position of "TEXT" to be alignment, which also will update the display on "Preview" window.
- Rotate: General Setting, refer to page 34



3) Fonts

The barcode text is selectable either build in fonts or PC system fonts.

Rotate: General Setting, refer to page 34



4) Data Source

In the sub dialog "Data Source", user can select where the GS1 Databar going to come from - "General" or "Database"

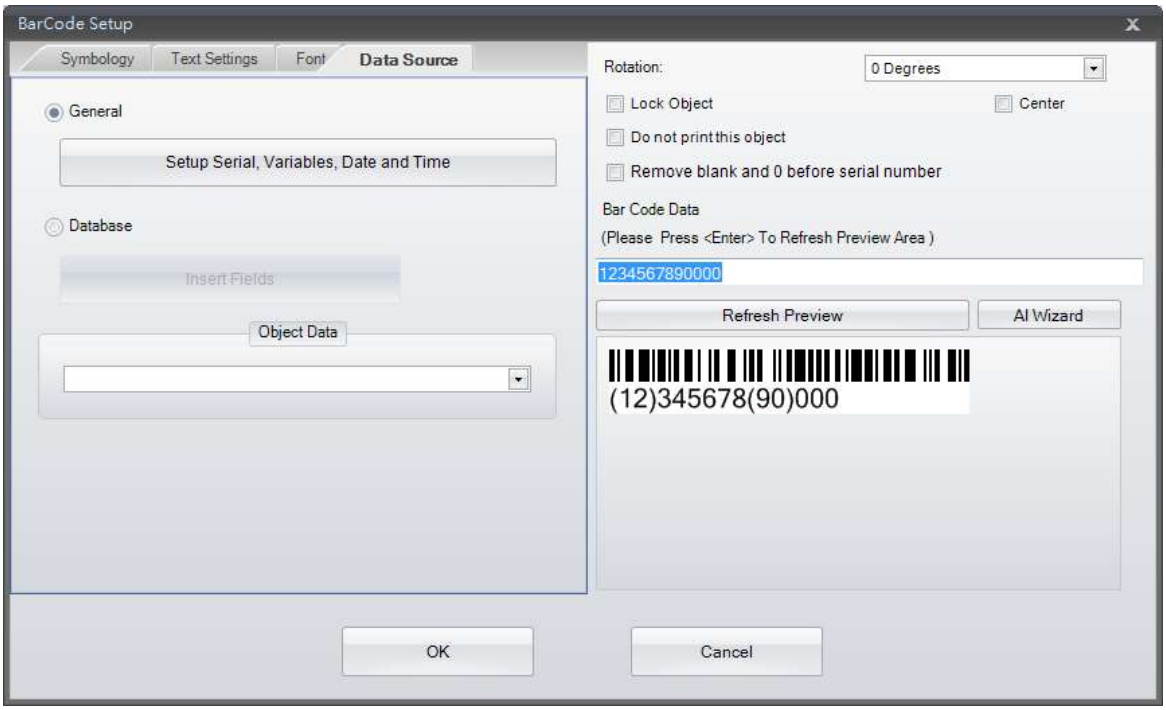
- General: it select where the "Data Source" of GS1 Databar is coming from, which will pop up a "self-defining table" that user can define the text stream with serial number, variable, data and time.

- Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by the icon

"Database Query" in "Generic Tool Set".

- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5

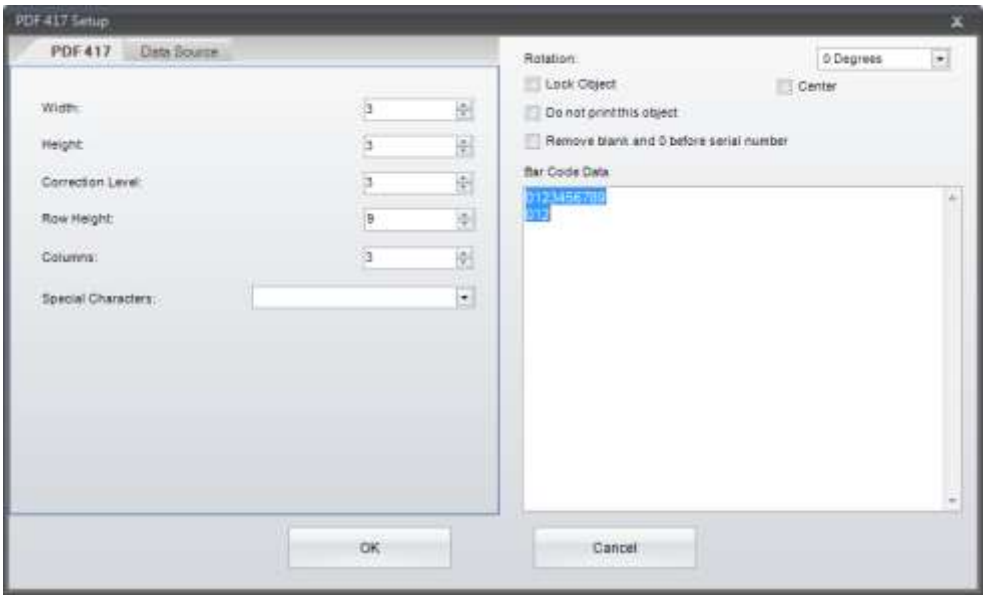
- Rotate: General Setting, refer to page 34



4.12.3 Drawing PDF417

- Select "Barcode" in left side of screen, then click the icon

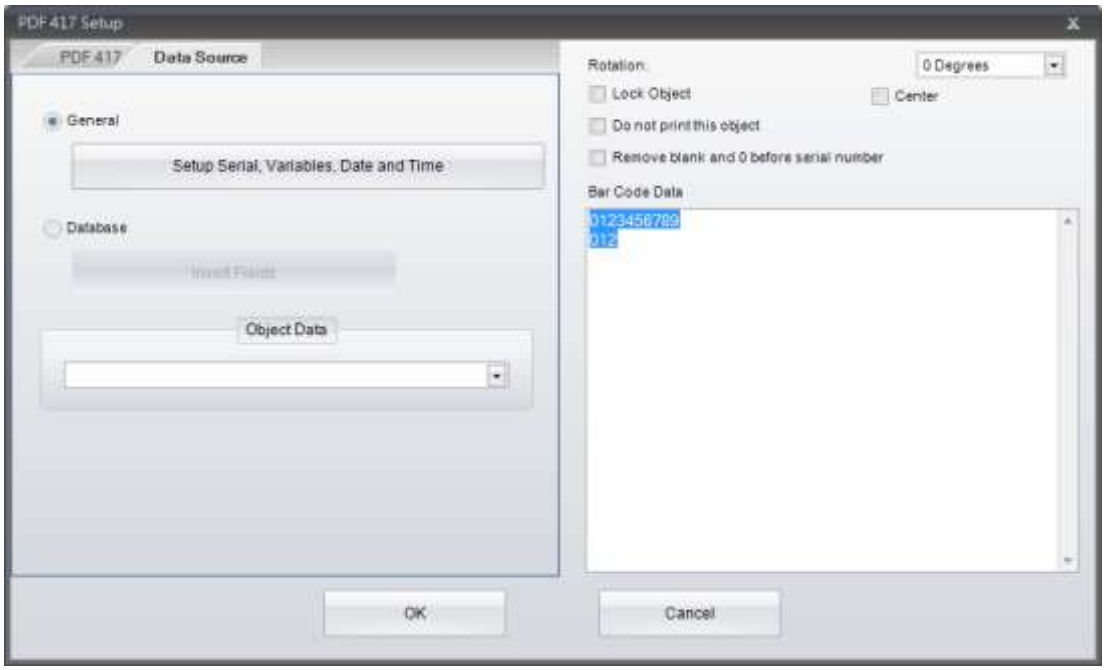
for PDF417 creating
- Move cursor to the location where the PDF417 will be creating, and press left key of mouse then
- It will pop up a dialog below, please Key-in and select the parameters of PDF417
- It can be rotated from 0, 90, 180- and 270 degree.
- Rotate: General Setting, refer to page 34.



In the sub dialog "Data Source", user can select where the PDF417 going to come from - "General" or "Database"

- General: it select where the "Data Source" of PDF417 is coming from, which will pop up a "self-defining table" that user can define the text stream with serial number, variable, data and time.
- Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by the icon

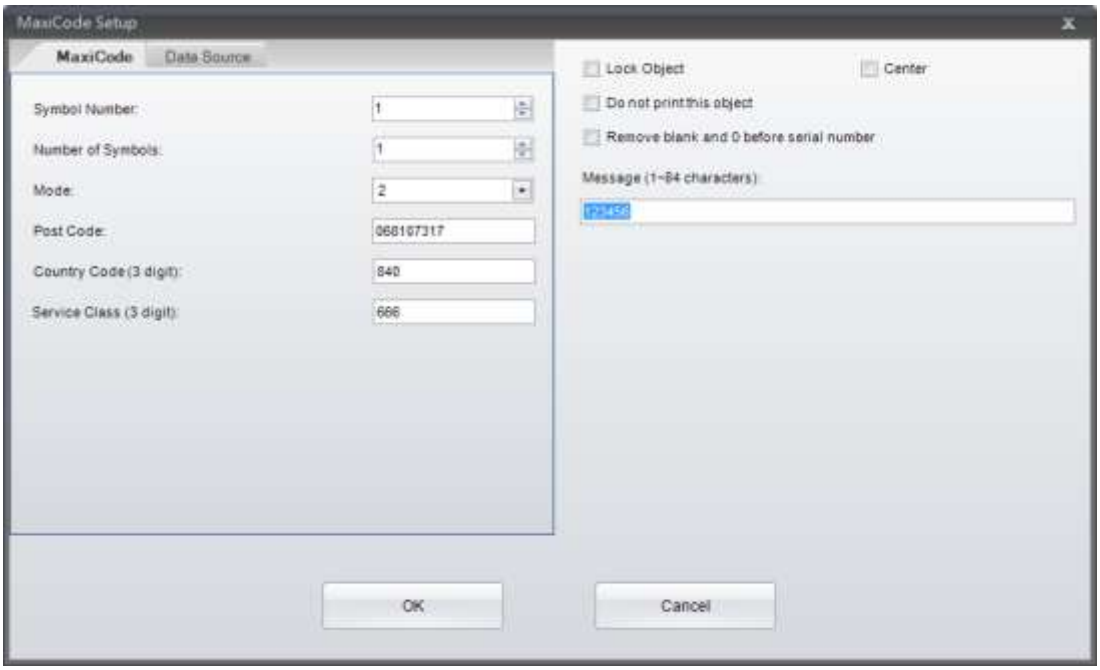
"Database Query" in "Generic Tool Set".
- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5
- Rotate : General Setting, refer to page 34.



4.12.4 Create MaxiCode

- Select "Barcode" in left side of screen, then click the icon

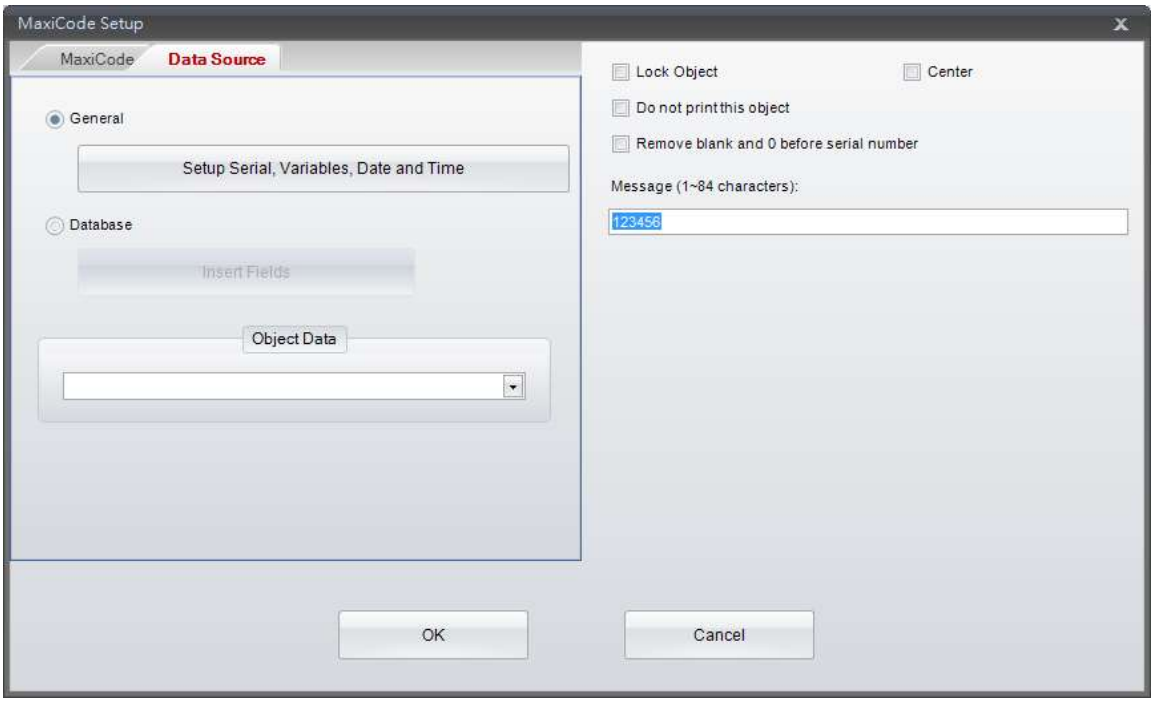
for Maxicode creating
- Move cursor to the location where the Maxicode will be creating, and press left key of mouse then
- It will pop up a dialog below, please Key-in and select the parameters of Maxicode
- It can be rotated from 0, 90, 180- and 270 degree.
- Rotate: General Setting, refer to page 34.



In the sub dialog "Data Source", user can select where the Maxicode going to come from - "General" or "Database"

- General: it select where the "Data Source" of Maxicode is coming from, which will pop up a "self-defining table" that user can define the text stream with serial number, variable, data and time.
- Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by the icon

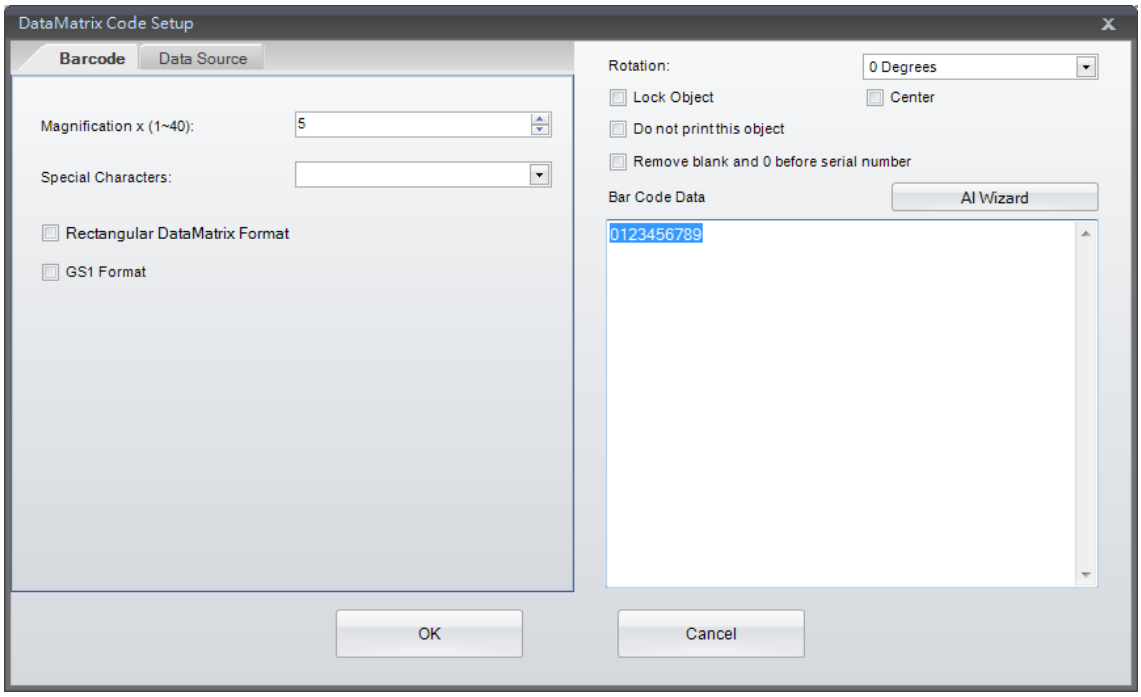
"Database Query" in "Generic Tool Set".
- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5
- Rotate: General Setting, refer to page 34.



4.12.5 Create DataMatrix Code

- Select "Barcode" in left side of screen, then click the icon

for DataMatrix creating
- Move cursor to the location where the DataMatrix will be creating, and press left key of mouse then
- It will pop up a dialog below, please Key-in and select the parameters of DataMatrix
- It can be rotated from 0, 90, 180- and 270 degree.
- Rotate: General Setting, refer to page 34.



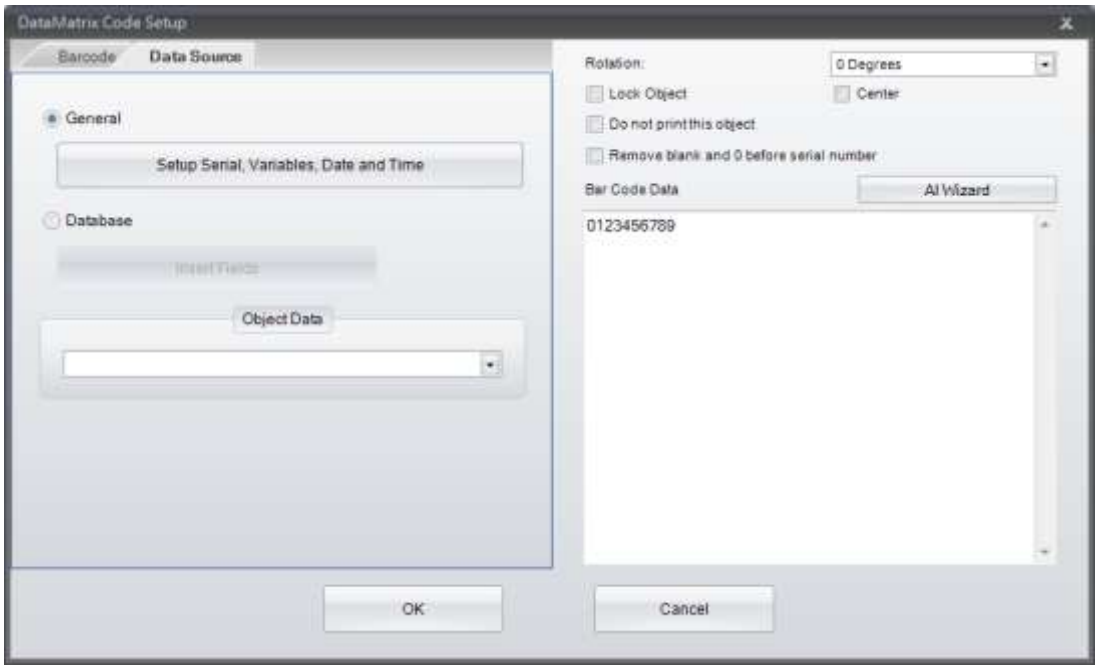
In the sub dialog "Data Source", user can select where the DataMatrix going to come from - "General" or "Database"

- General: it select where the "Data Source" of DataMatrix is coming from, which will pop up a "self-defining table" that user can define the text stream with serial number, variable, data and time.

- Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by the icon

"Database Query" in "Generic Tool Set".

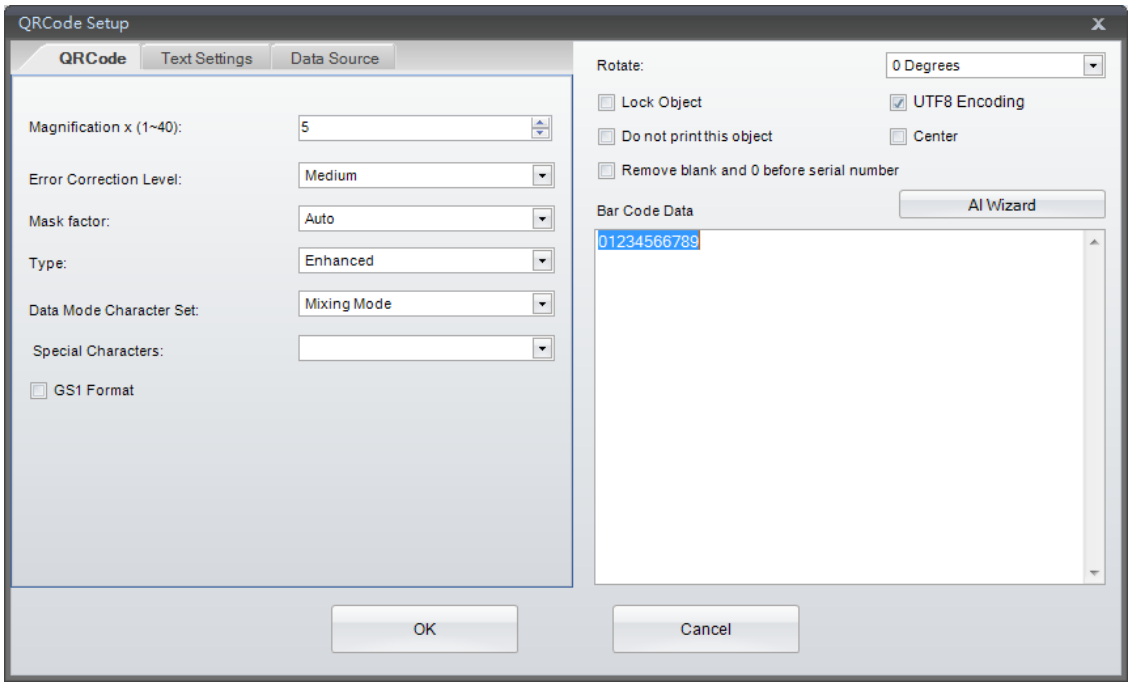
- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5



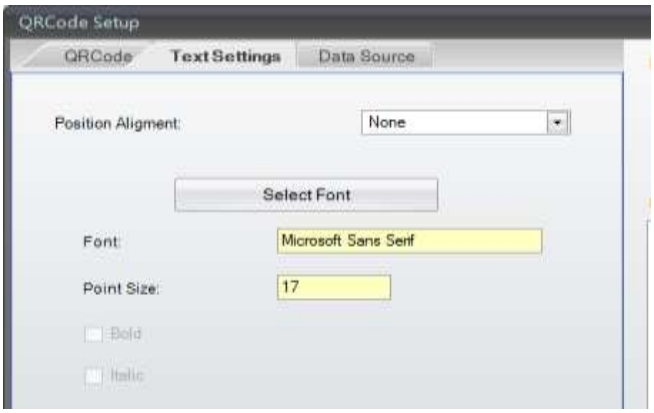
4.12.6 Create QRCode

- Select "Barcode" in left side of screen, then click the icon

for QRCodex creating
- Move cursor to the location where the QRCodex will be creating, and press left key of mouse then
- It will pop up a dialog below, please Key-in and select the parameters of QRCodex.
- It can be rotated from 0, 90, 180- and 270 degree.
- Rotate: General Setting, refer to page 34.



In the sub dialog "Text setting", user can select where set the position of the QRcode text and font type,Size.



In the sub dialog "Data Source", user can select where the QRCodex going to come from - "General" or "Database"

- General: it select where the "Data Source" of QRCodex is coming from, which will pop up a "self-defining table" that user can define the text stream with serial number, variable, data and time.

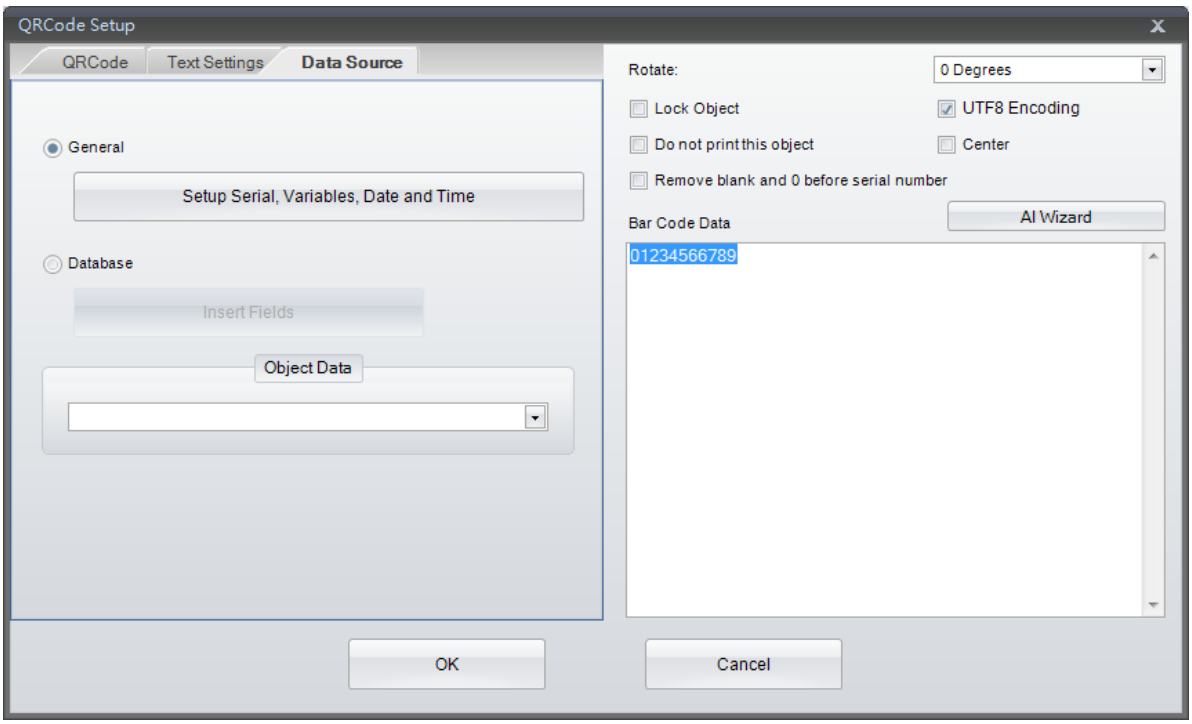
- Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by the icon

"Database Query" in "Generic Tool Set".

- UTF8 Encoding: Use UTF8 encoding to create barcodes. If the content is only English and digital, there is no difference when this item is selected. The content contains special text (eg Chinese) and requires a specific barcode scanning tool to display the content.

- **AI Wizard**：see AI Wizard paragraph for further more instructions

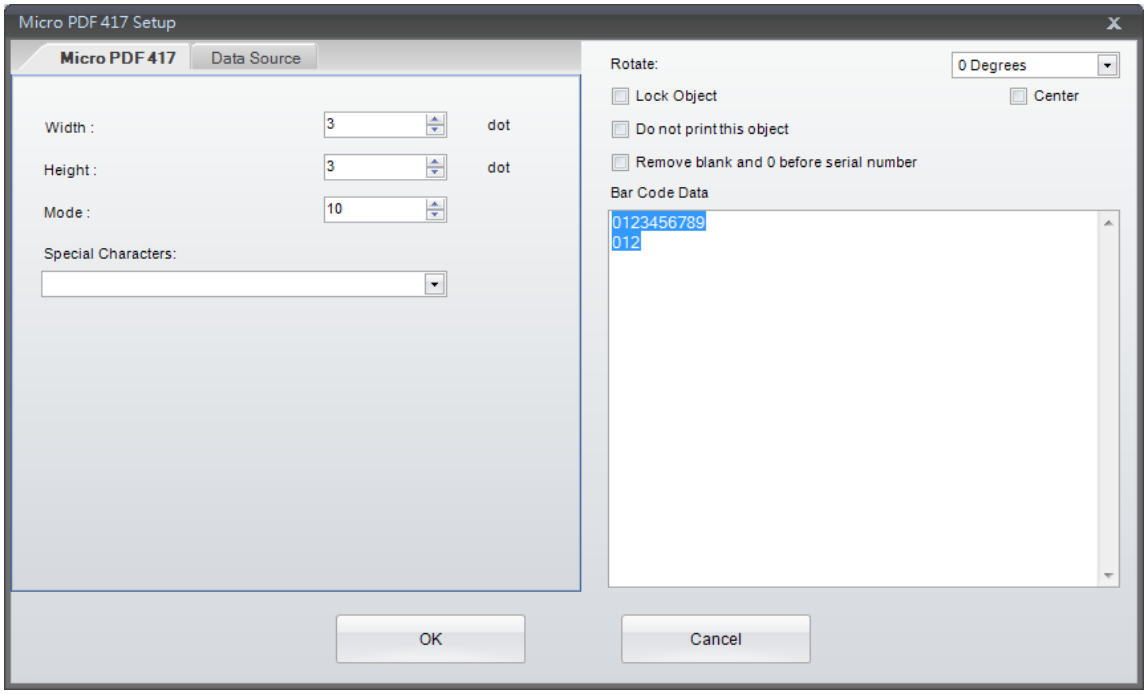
- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5



4.12.7 Create Micro PDF 417 Code

- Select "Barcode" in left side of screen, then click the icon

for Micro PDF 417 creating
- Move cursor to the location where the Micro PDF 417 will be creating, and press left key of mouse then
- It will pop up a dialog below, please Key-in and select the parameters of Micro PDF 417
- It can be rotated from 0, 90, 180- and 270 degree.
- Rotate: General Setting, refer to page 34.



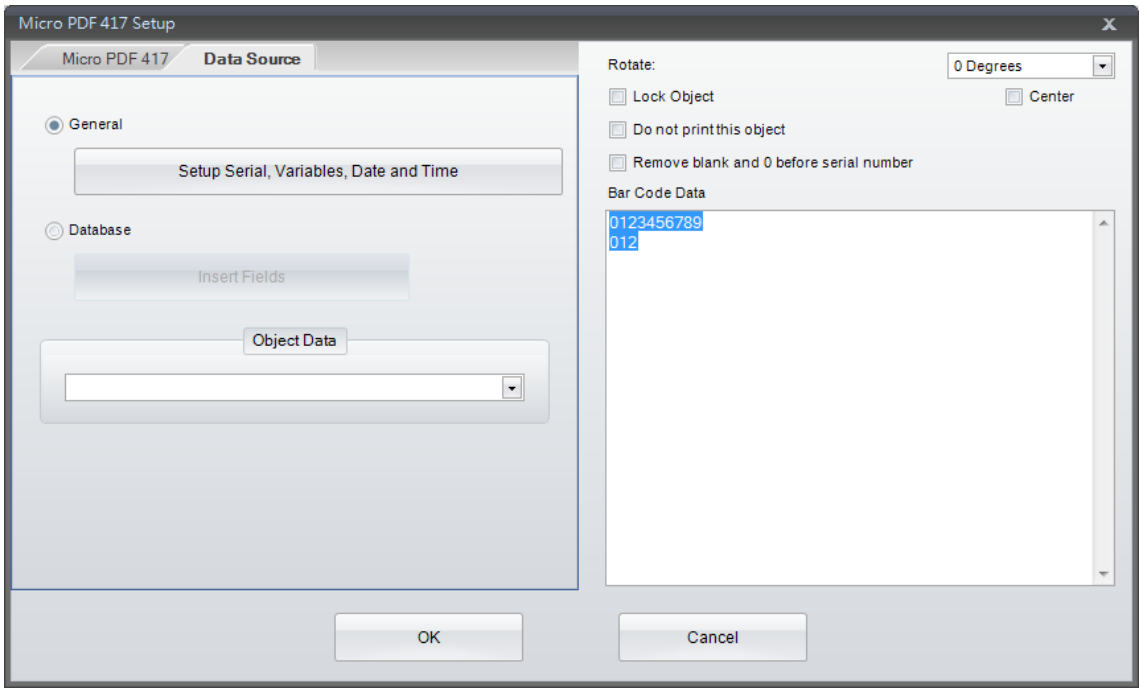
In the sub dialog "Data Source", user can select where the Micro PDF 417 going to come from - "General" or "Database"

- General: it select where the "Data Source" of Micro PDF 417 is coming from, which will pop up a "self-defining table" that user can define the text stream with serial number, variable, data and time.

- Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by the icon

"Database Query" in "Generic Tool Set".

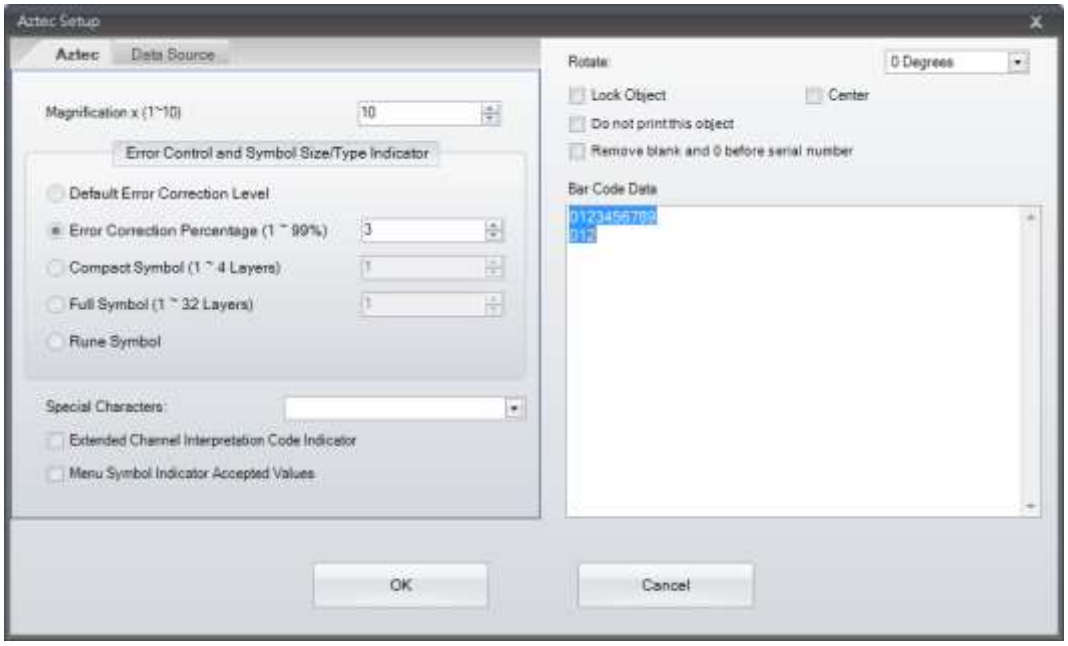
- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5



4.12.8 Create Aztec Code

- Select "Barcode" in left side of screen, then click the icon

for Aztec creating
- Move cursor to the location where the Aztec will be creating, and press left key of mouse then
- It will pop up a dialog below, please Key-in and select the parameters of Aztec.
- It can be rotated from 0, 90, 180- and 270 degree.
- Rotate: General Setting, refer to page 34.

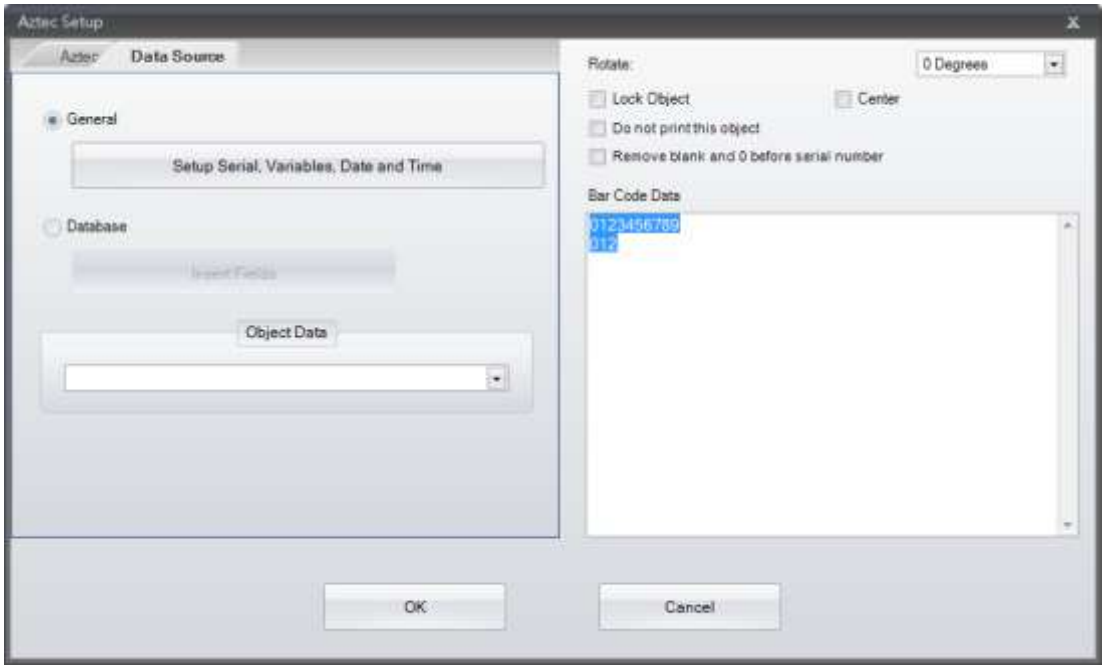


In the sub dialog "Data Source", user can select where the Aztec going to come from - "General" or "Database"

- General: it select where the "Data Source" of Aztec is coming from, which will pop up a "self-defining table" that user can define the text stream with serial number, variable, data and time.

- Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by the icon

"Database Query" in "Generic Tool Set".
- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5

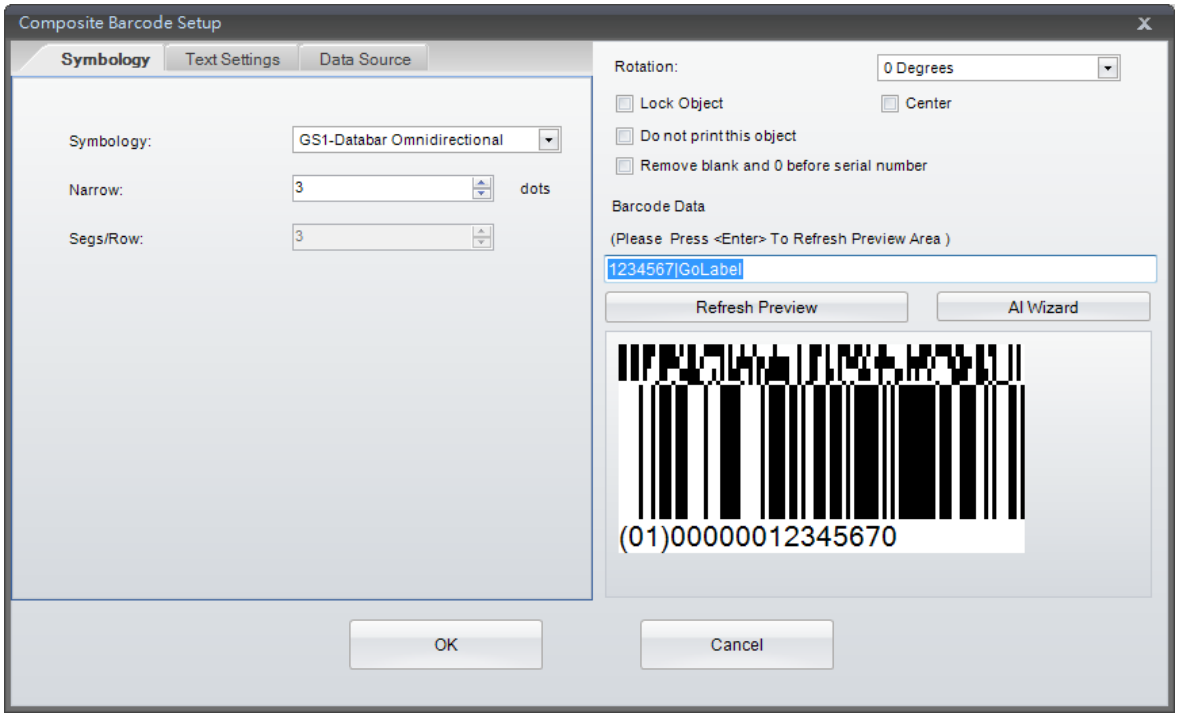


4.12.9 Create Composite Code

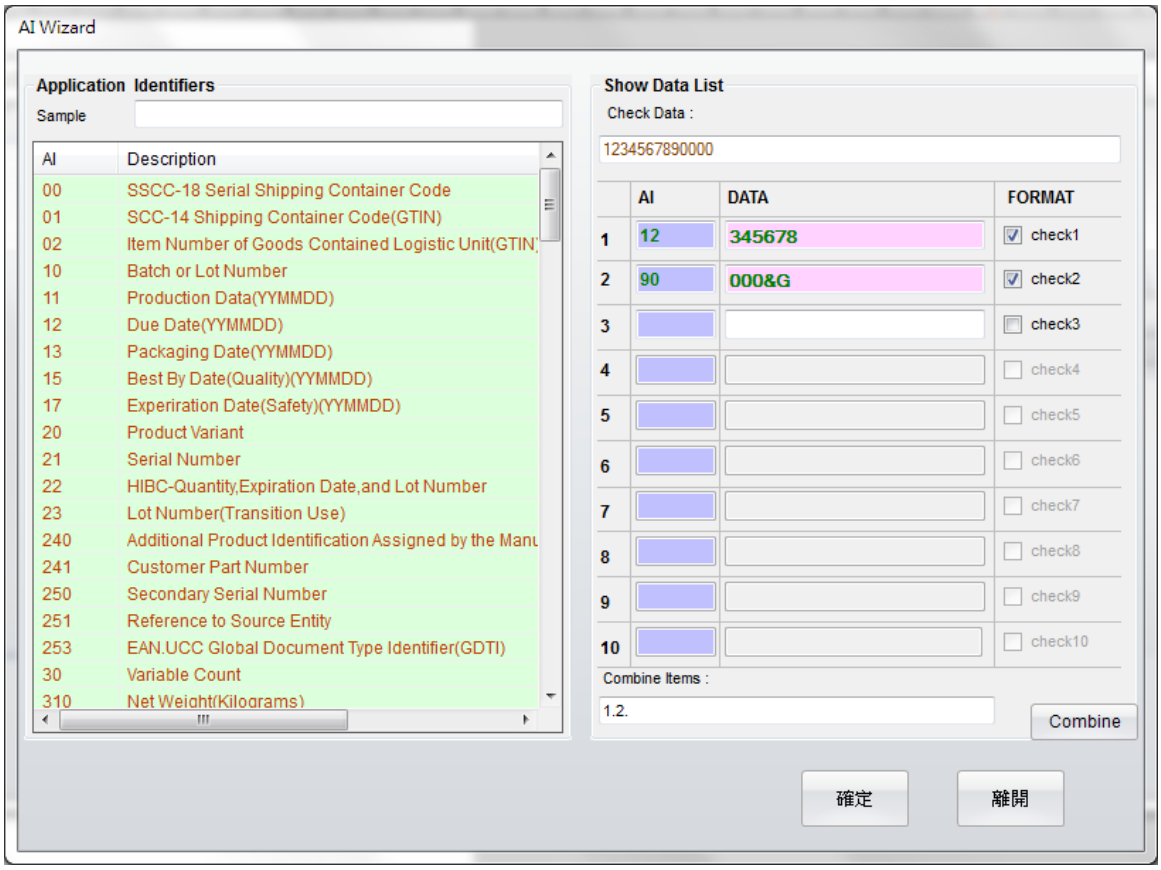
1) Symbology

- Select "Barcode" in the left side of screen, and then click the icon

of the "Object Too Set", and move cursor to the location that "Composite" will be located and click left key again.
- There are three sub-dialogs in the "Barcode Setup" – Symbology, Human Readable Style, and Data Source
- In the Symbology sub-dialog, choose barcode type first and then define its Narrow or Segs/Row. Be sure to design a corrective barcode for scanner reading.
- The barcode also can be rotated from 0, 90, 180- and 270 degree. A field of "Bar Code Data" may key-in by users themselves.
- Rotation: General Setting, refer to page 34.
- After the completed of definition the Barcode, please click "Refresh Preview" to preview the designing Barcode, or press "Enter Key" while you key-in the data to the field of "Bar Code Data"
- There are many documents on the web or book story can be reference if someone is no idea how to design the Composite.

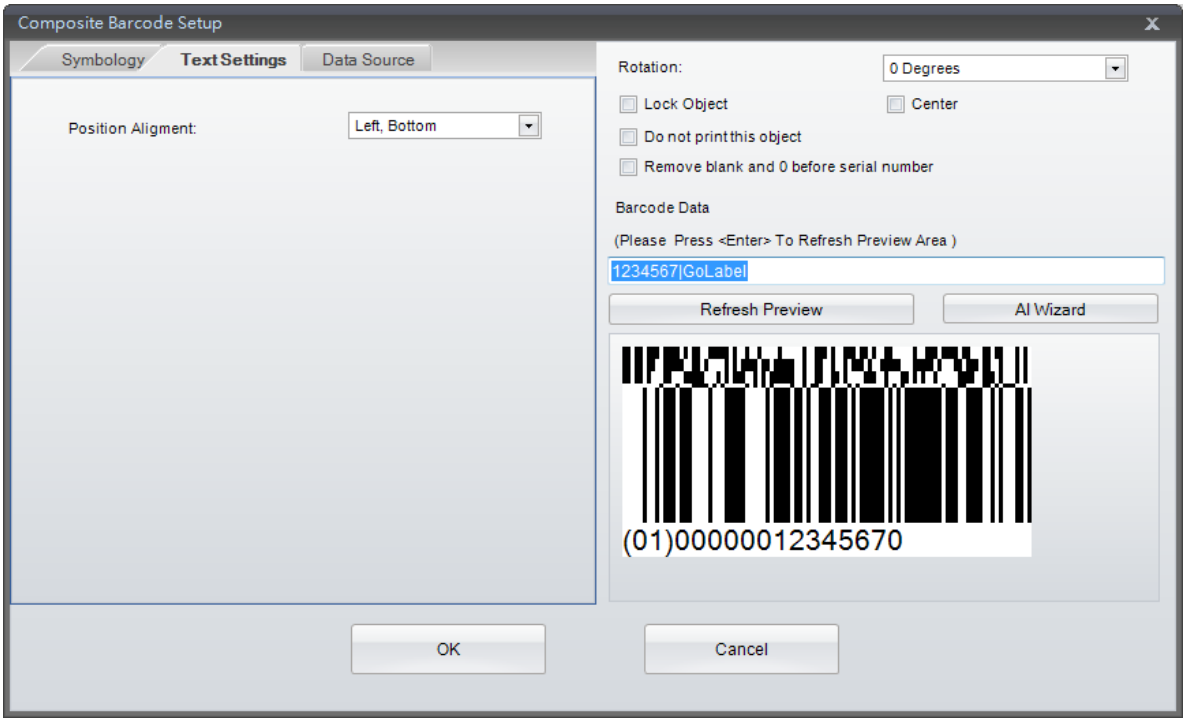


- Click ''AI Wizard'' for setting AI Wizard.



2) Text Settings

- Click and enter to sub-dialog "Text Settings", to select "Position Alignment" that decides where the position of "TEXT" to be alignment, which also will update the display on "Preview" window.



3) Data Source

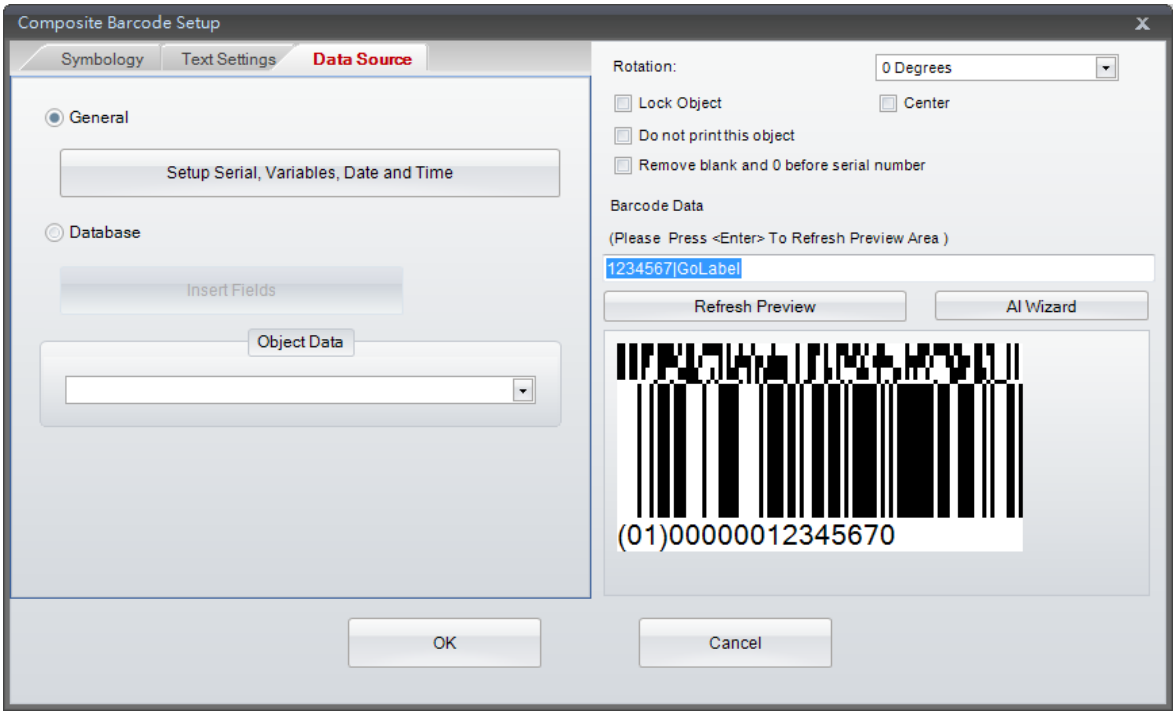
In the sub dialog "Data Source", user can select where the data source will be linked to Barcode - "General" or "Database"

- General: it select where the "Data Source" of Barcode is coming from, which will pop up a "self-defining table" that user can define the text stream with serial number, variable, data and time.

- Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopting when user selected database in "Data Source" sub-dialog. In fact, it also can be created by the icon

"Database Query" in "Generic Tool Set".

- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5



4.13 Drawing Line, Rectangle and Circle

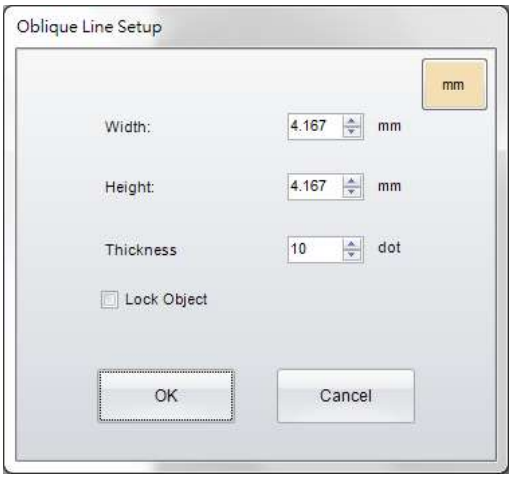
4.13.1 Drawing Line (Horizontal Line, Vertical Line and Oblique Line)

- Select "Shape" in left side of screen, and then click either icon of the drawing tool - Horizontal Line

, Vertical Line

or Oblique Line

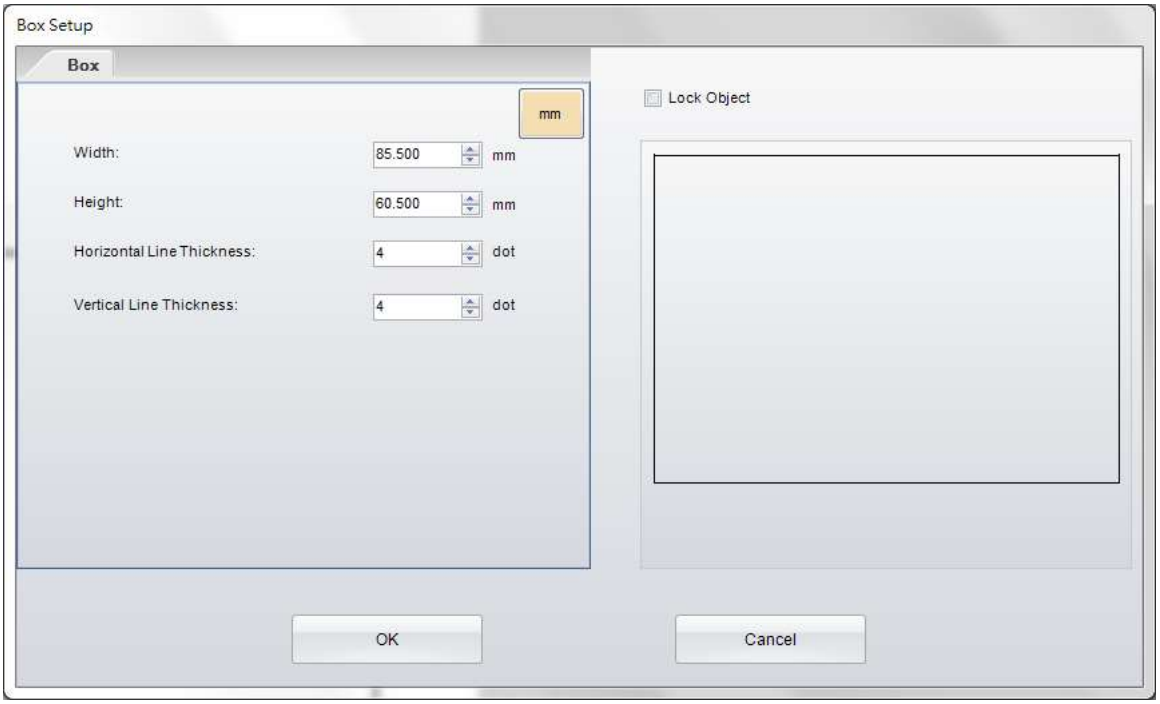
.
- Move cursor to the location where the first point of line will be drawing, press left key of mouse and drag it to end point and release it then.
- The object's location and length are movable and adjustable by mouse with left key dragging while it's being selected.
- Double click to the line that will pop up a "Setup" dialog for the length and thickness editing.
- User can be based on different unit to set up(mm/ cm/ dot/ inch).



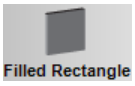
4.13.2 Drawing Box or Rectangle

- Select "Shape" in left side of screen, and then click the icon

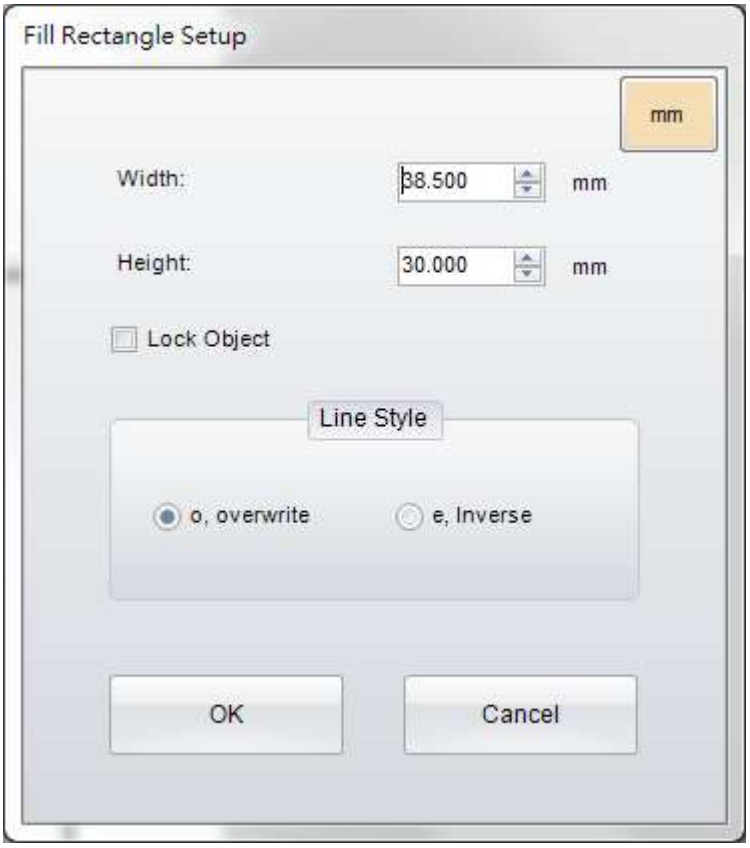
for box/rectangle drawing
- Move cursor to the location where the first point of box/rectangle will be drawing, press left key of mouse and drag it to end point and release it then.
- The object's location, width and height are movable and adjustable by mouse with left key dragging while it's being selected.
- Double click to the box/rectangle that will pop up a "Setup" dialog for the width, height and thickness editing
- User can be based on different unit to set up(mm/ cm/ dot/ inch).



4.13.3 Drawing Filled Rectangle

- Select "Shape" in left side of screen, and then click the icon 

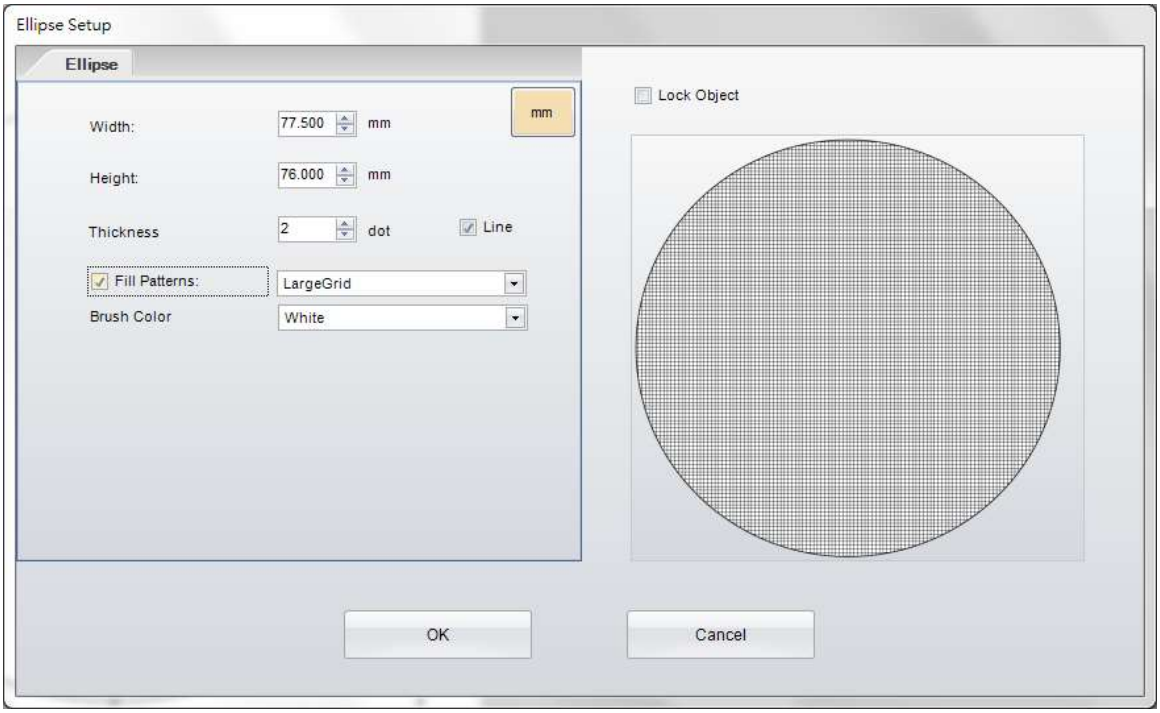
for filled rectangle drawing
- Move cursor to the location where the first point of rectangle will be drawing, press left key of mouse and drag it to end point and release it then.
- The object's location, width and height are movable and adjustable by mouse with left key dragging while it's being selected.
- Double click to the rectangle that will pop up a "Setup" dialog for the width and height editing
- User can be based on different unit to set up(mm/ cm/ dot/ inch).



4.13.4 Drawing Circle or Ellipse

- Select "Shape" in left side of screen, and then click the icon

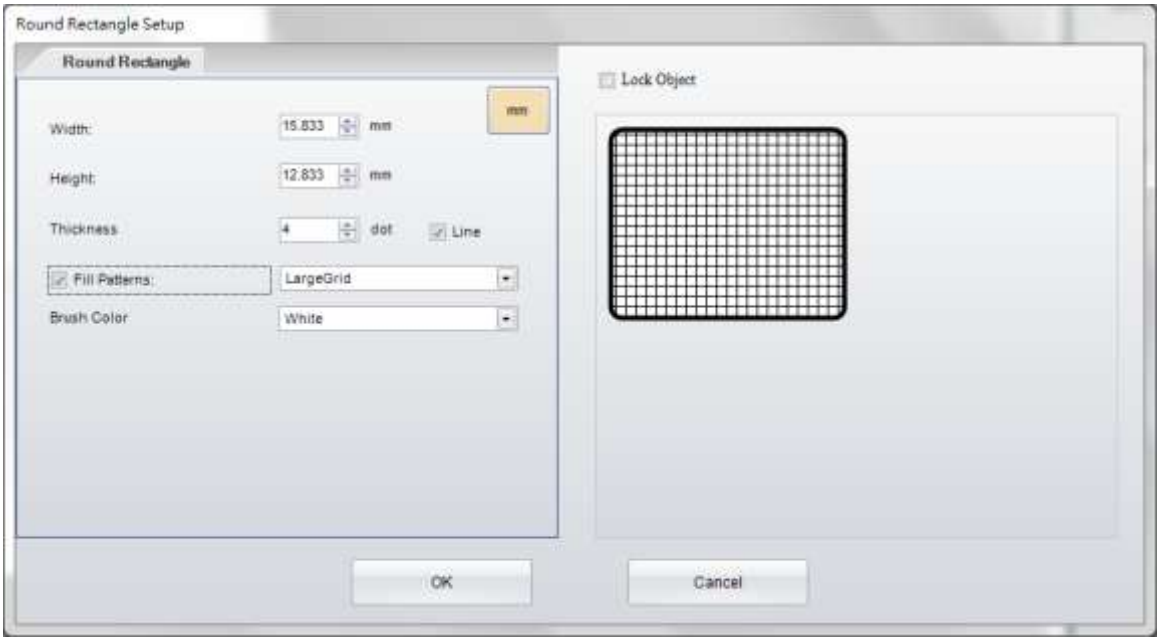
for circle/ellipse drawing
- Move cursor to the location where the first point of circle/ellipse will be drawing, press left key of mouse and drag it to end point and release it then.
- The object's location, width and height are movable and adjustable by the dragging while user presses the left key of mouse on the object when it's being selected.
- User can be based on different unit to set up(mm/ cm/ dot/ inch).



4.13.5 Drawing Rounded Rectangle

- Select "Shape" in left side of screen, and then click the icon

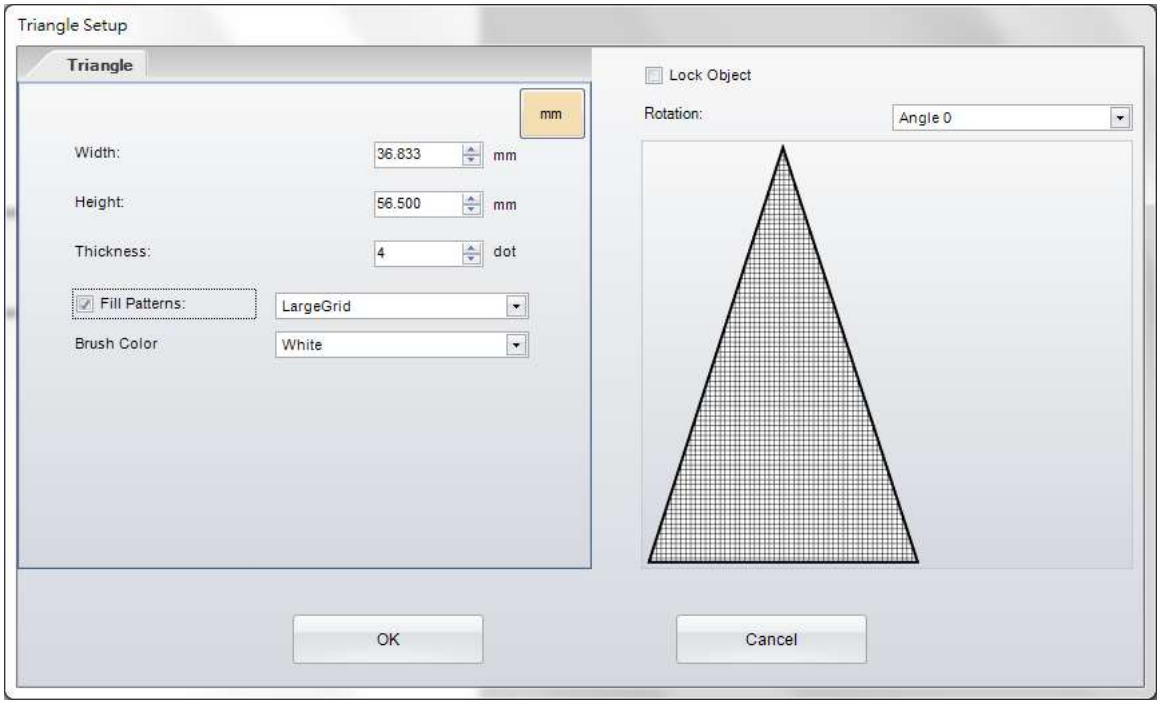
for rounded rectangle drawing
- Move cursor to the location where the first point of rounded rectangle will be drawing, press left key of mouse and drag it to end point and release it then.
- The object's location, width and height are movable and adjustable by mouse with left key dragging while it's being selected.
- Double click to the rounded rectangle that will pop up a "Setup" dialog for the width, height, thickness, fill pattern and brush color editing
- User can be based on different unit to set up(mm/ cm/ dot/ inch).



4.13.6 Drawing Triangle

- Select "Shape" in left side of screen, and then click the icon

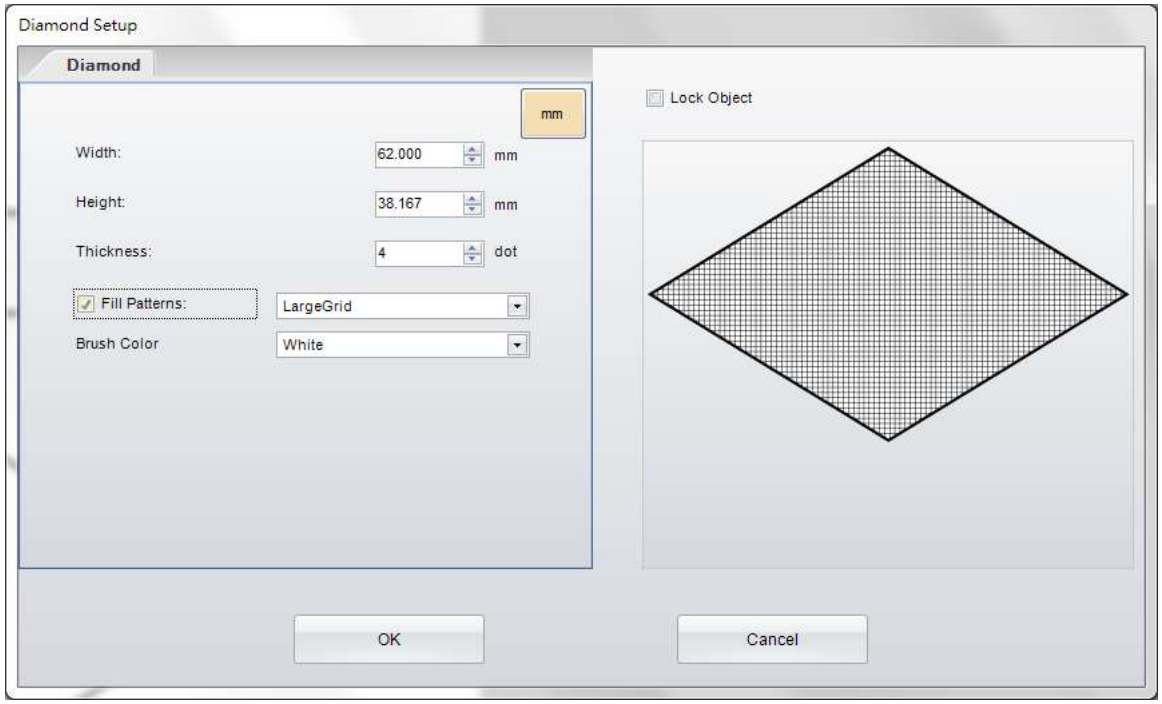
for Triangle drawing
- Move cursor to the location where the first point of Triangle will be drawing, press left key of mouse and drag it to end point and release it then.
- The object's location, width and height are movable and adjustable by mouse with left key dragging while it's being selected.
- Double click to the Triangle that will pop up a "Setup" dialog for the width, height, thickness, fill pattern and brush color editing
- User can be based on different unit to set up(mm/ cm/ dot/ inch).



4.13.7 Drawing Diamond

- Select "Shape" in left side of screen, and then click the icon

for Diamond drawing
- Move cursor to the location where the first point of Diamond will be drawing, press left key of mouse and drag it to end point and release it then.
- The object's location, width and height are movable and adjustable by mouse with left key dragging while it's being selected.
- Double click to the Diamond that will pop up a "Setup" dialog for the width, height, thickness, fill pattern and brush color editing
- User can be based on different unit to set up(mm/ cm/ dot/ inch).



4.14 Create Graphic

- Select "Graphic" in left side of screen, and then click the icon

for Graphic creating
- Move cursor to the location where the "Graphic" will be creating, and press left key of mouse then.
- In the Graphic dialog, select "Graphic Source" will pop up a sub-dialog to load graphic/image from either - file, clipboard or a downloaded graphic.

Select the downloaded graphic in printer, user can choose where the Graphic going to come from - "General" or "Database"

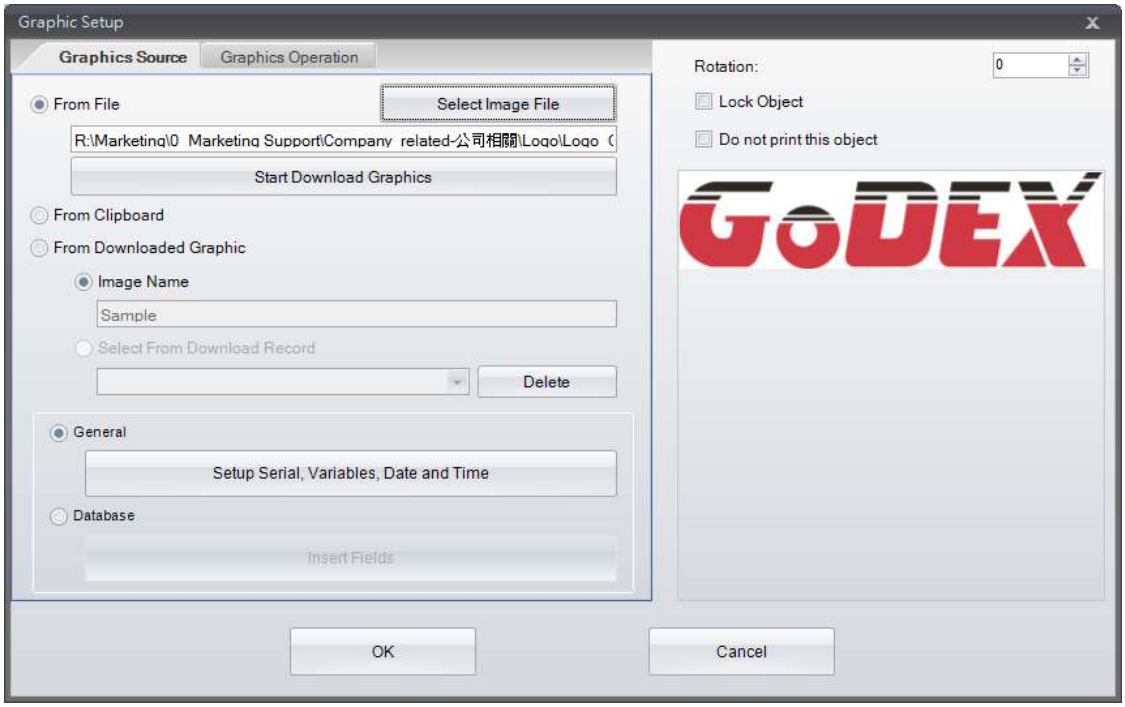
- General: it select "Graphic", user can define the text stream of Graphic with serial number, variable, data and time.
- Database: There are six databases (SQL, Access, Oracle, Excel, Txt, DBF) can be adopting when user selected database in the dialog. In fact, it also can be created by the icon

"Database Query" in "Generic Tool Set".

EX：

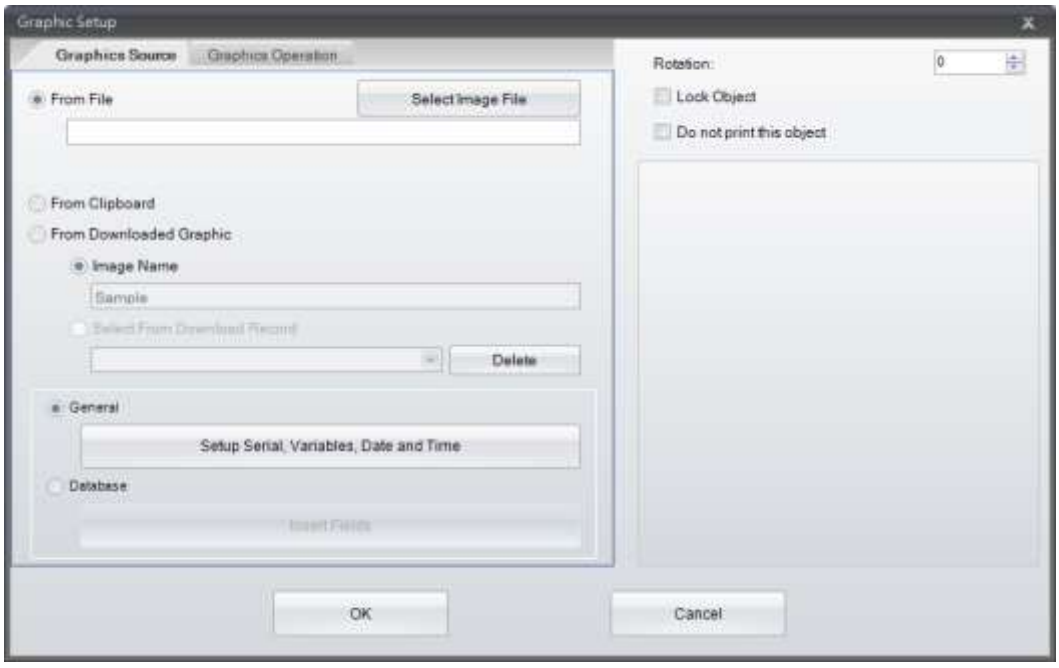
- Set up the graphic path into Excel file.

- About the database operation, please refer to the database link paragraph. When select the database, the preview will show the 1st column Graphic.

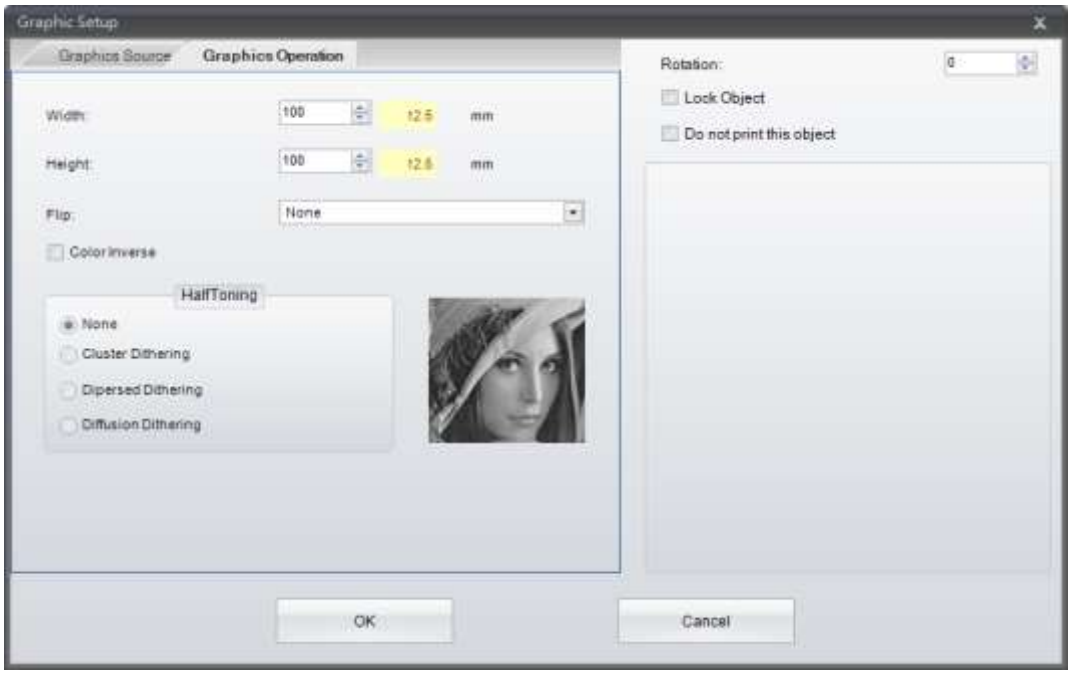


- The detail of how to define serial number, variable and database, please refer to both paragraphs "Variable and Serial Number" and "Database" in the chapters 5.2 to 5.5
- To remove/delete the printer's saved "Graphic", please go on the "Advance Tool Set", which has an icon

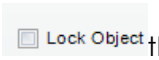
"Delete Printer Object"



- In the sub-dialog "Graphic Operation", the graphic can be defining and/or processing with width, height, rotation angle and color.



4.15 Lock Object

In entire "Object" dialogs, it has a function called "Lock Object" 

that allowed user to lock the object not for move or modify.

- Select "Lock Object" in the dialog to lock object not be moving or modify.
- If user wants removing a "Lock Object", please double click "Object" itself, enter the dialog to deselect "Lock Object" this function and choose "OK" to close, then the Object will be unlock.

5. Advance Operation

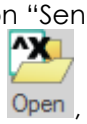
5.1 Command Format

- A label has been well created or during the editing; user may click the icon "Export"

in the Command Area, to export/convert the entire parameters and contents in the "Label Design Area to become "Text/ASCII Commands Format" on the Command Area. Then it can be saved as a pure "TEXT/ASCII" file by the icon

, or send it to printer directly by the icon "Send"

.

- To retrieve a saved "TEXT/ASCII" file back, please open it by the icon "Open" 

, and then import it back to the Label Design Area by the icon "Import"

.

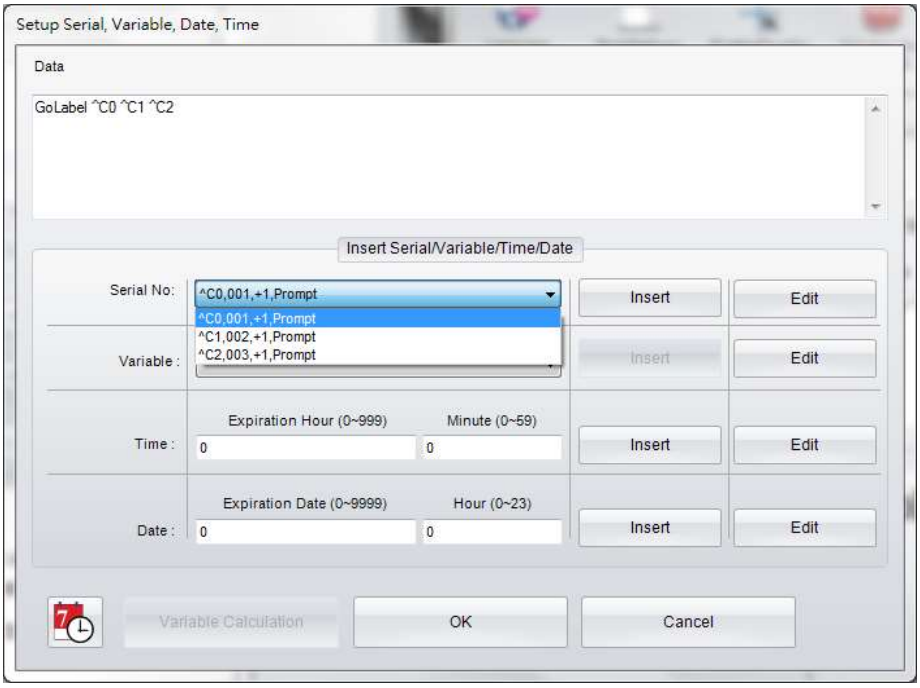
- The labels exported to the Command Area in "TEXT/ASCII" format and can be editing and saving as a "TEXT/ASCII" file on PC. Thus, in DOS mode, user may work on this file with DOS commands - COPY, PRINT, TYPE, etc. to manipulate this "TEXT/ASCII" file and then send/print it to the printer directly. Besides, the commands in the Command Area are exported direct from the Label Design Area. For certain high level application, GoLabel provides these quickly and convenient of operation tools for SI engineer and software designer.

5.2 Using Serial Number

5.2.1 Create Serial Number

In the Barcode, Text, Graphic of the Object Dialogs, It has a sub-dialog "Data Source" or "Graphic Source", which can choose "General" and then click "Setup Serial, Variable, Date, Time" to open a 3rd level dialog respectively.

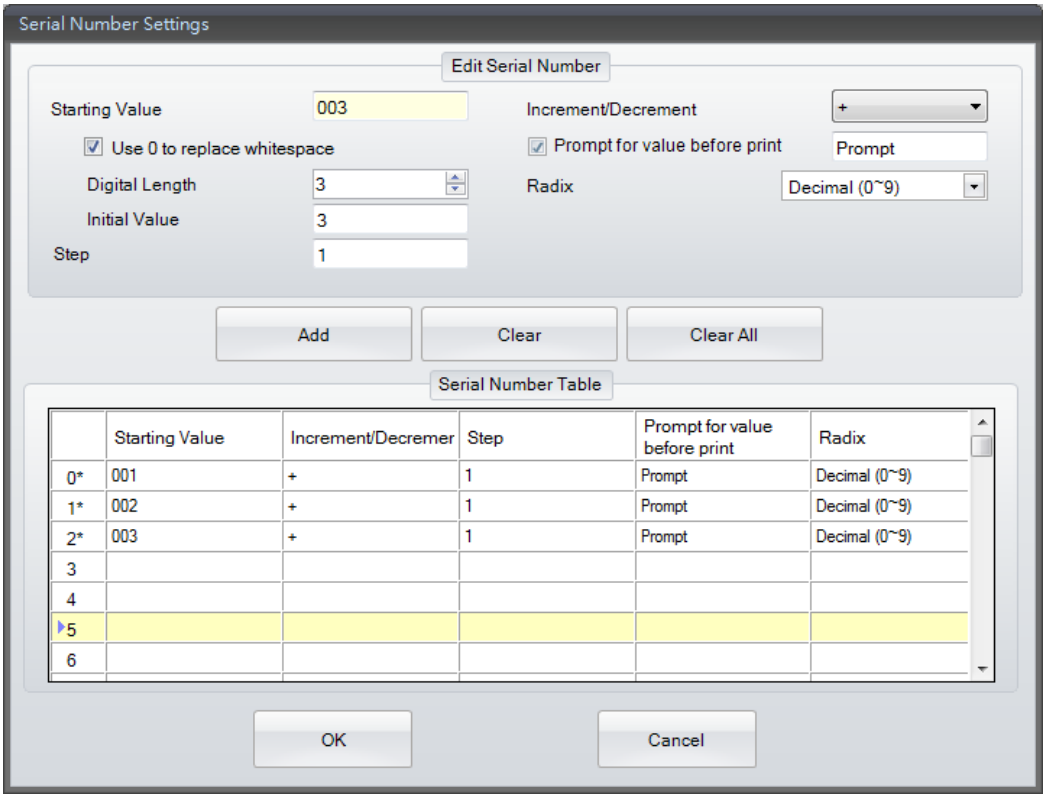
Click "Edit" in the dialog of "Setup Serial, Variable, Date, Time" to open a 4th level dialog "Serial Number Maintain". After Editing, please select which one and click "Insert" to insert serial number to the Object.



- Select the editing column first and click "Add", key-in its "Starting Value" and other parameters, then click "Modified" to confirm. Repeat this editing to the rest columns and until all the columns of serial number are done.
- "Prompt for value before print" is set, printer will stop and display a "Prompt" message on Printer (Standalone Model only) and waiting for user to enter starting value

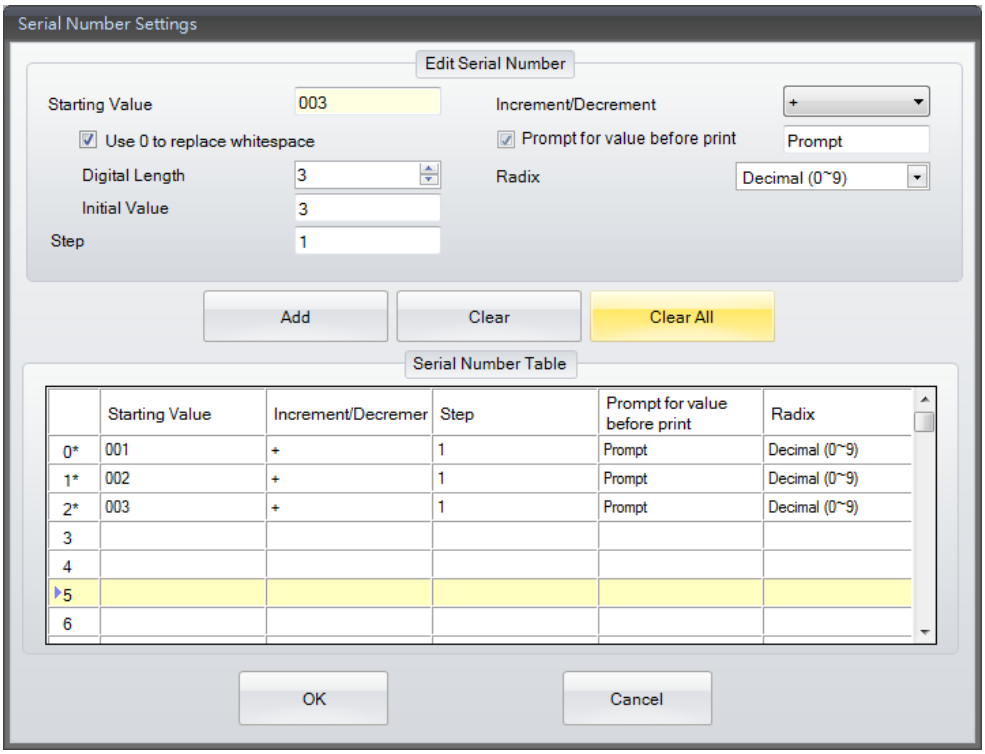
For Example (make three S/N in a text stream "GoLabel" :

- In column 0: Set "Starting Value" to 001 and other parameters, then Click "Add"
- In column 1: Set "Starting Value" to 002 and other parameters, then Click "Add"
- In column 2: Set "Starting Value" to 003 and other parameters, then Click "Add" and "OK" to close the dialog back to last dialog - "Setup Serial, Variable, Date, Time"
- Hence, it has 3 serial numbers can be selected by the Object of this designing Label.
- Select which on of Serial Number first and click "Insert", repeat select C0, C1 and C2 then,
- The result is "GoLabel ^C0 ^C1 ^C2". (A space is manually inserted in between the S/N 0, 1 and2)
- The Print Out is first label "GoLabel 001 002 003", second "GoLabel 002 003 004", third "GoLabel 003 004 005", etc.



5.2.2 Editing Serial Number

- Double click the Object that the serial number will be modifying
- The editing procedures are similar to the creating, just select the row that wants to modify and makes the editing directly.
- There are two more icons are reserved for editing. The icon "Clear" – it remove serial number one by one, "Clear All" that deletes all the serial numbers in once.



5.3 Using Variable

Be noted: Variable Create in GoLabel is for the printer that working in "Standalone" mode and operating with "Recall Label" only.

5.3.1 Create Variable

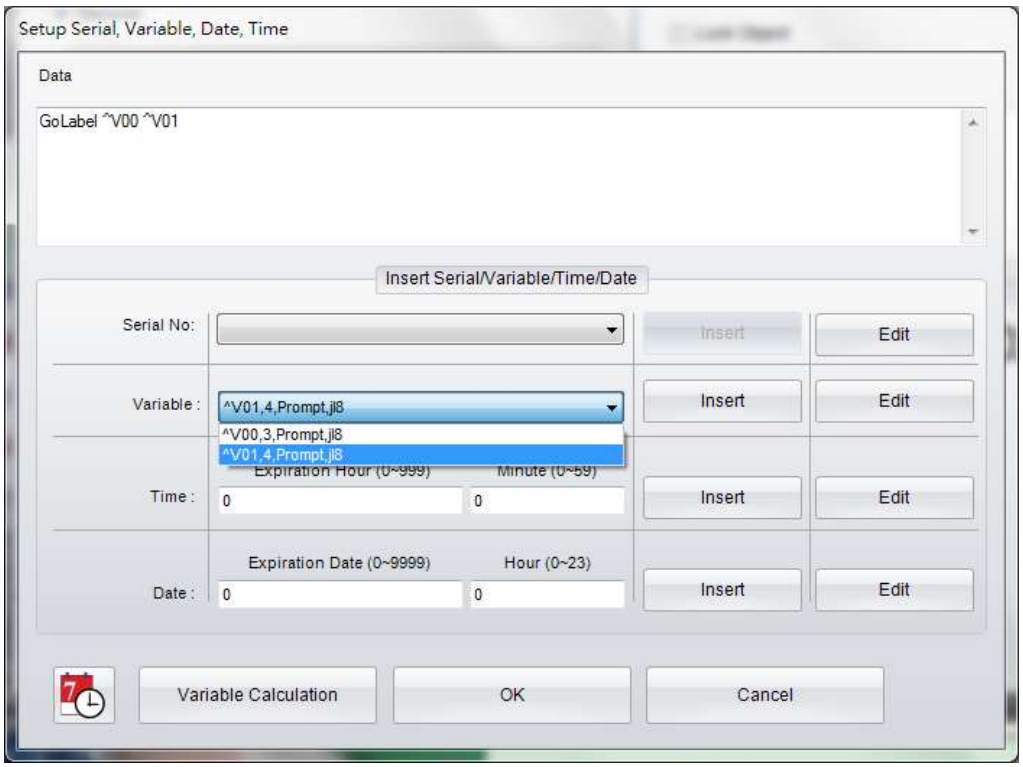
In the Barcode, Text, Graphic of the Object Dialogs, It has a sub-dialog "Data Source" or "Graphic Source", which can choose "General" and then click "Setup Serial, Variable, Date, Time" to open a 3rd level dialog respectively.

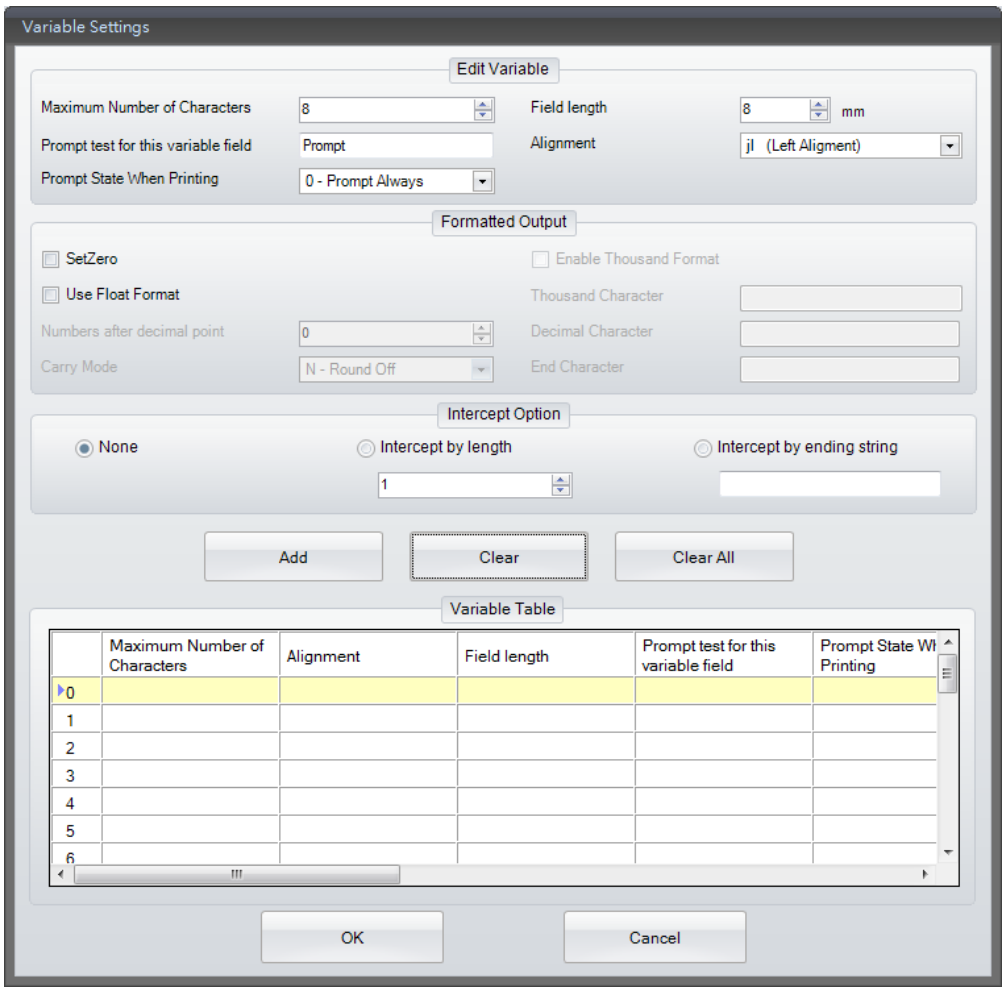
Click "Edit" in the dialog of "Setup Serial, Variable, Date, Time" to open a 4th level dialog - "Variable Maintain". After Editing, please select which one and click "Insert" to insert "Variable" to the Object.

- Select the editing column first and click "Add", key-in its "Set Maximum Number of Character" and other parameters, then click "Add" to confirm. Repeat this editing to the rest columns and until all the columns of Variable is done.
- "Prompt for value before print" is set, printer will stop and display a "Prompt" message on Printer (Standalone Mode only) and waiting for first starting value input and enter.

For Example (make two variables in a text stream "GoLabel":

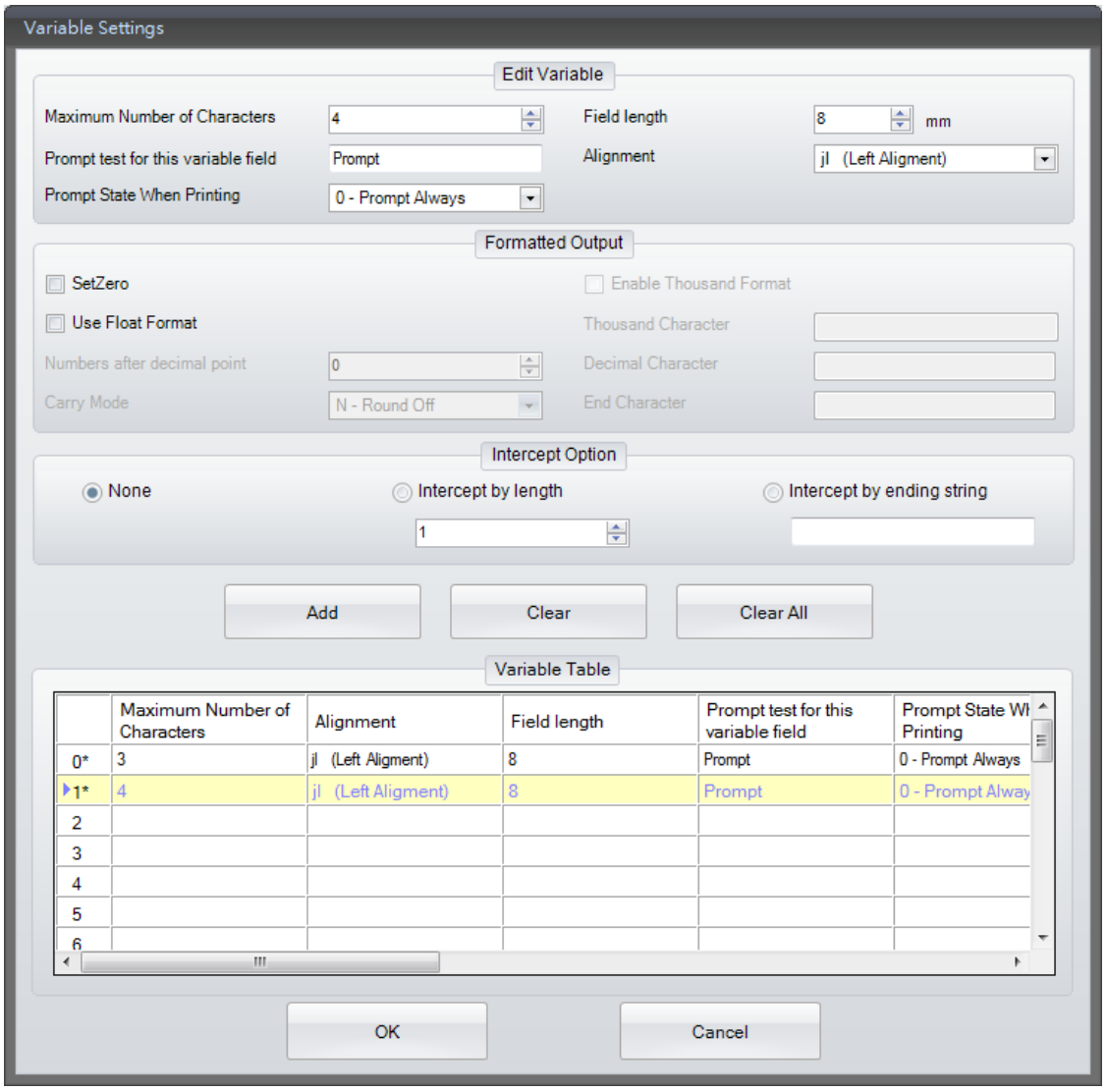
- Select column 0: Set "Set Maximum Number of Character" to 3 and other parameters, then Click "Add".
- Select column 1: Set "Set Maximum Number of Character" to 4 and other parameters, then Click "Add".
- Hence, it has two variables can be selected by the Object of this designing Label.
- Select which one of Variable first and click "Insert", repeat select V00 and V01 then,
- The result is "GoLabel ^V00 ^V01".
  (A space is manually inserted in between the variable 0 and 1)
- The Print Out is depended on what variables are input when prompting, first label "GoLabel VAR1 VAR", second "GoLabel var1 var", etc.


Setup Serial, Variable, Date, Time
Data
GoLabel ^V00 ^V01
Insert Serial/Variable/Time/Date
Serial No:
Insert
Edit
Variable :
^V01,4,Prompt,jl8
^V00,3,Prompt,jl8
^V01,4,Prompt,jl8
Insert
Edit
Time :
Minute (0~59)
0
0
Insert
Edit
Date :
Expiration Date (0~9999)
Hour (0~23)
0
0
Insert
Edit
Variable Calculation
OK
Cancel


Variable Settings
Edit Variable
Maximum Number of Characters
8
Field length
8
mm
Prompt test for this variable field
Prompt
Alignment
jl (Left Aligment)
Prompt State When Printing
0 - Prompt Always
Formatted Output
SetZero
Enable Thousand Format
Use Float Format
Thousand Character
Numbers after decimal point
0
Decimal Character
Carry Mode
N - Round Off
End Character
Intercept Option
None
Intercept by length
Intercept by ending string
1
Add
Clear
Clear All
Variable Table
Maximum Number of Characters
Alignment
Field length
Prompt test for this variable field
Prompt State Wh Printing
0
1
2
3
4
5
6
OK
Cancel

5.3.2 Editing Variable

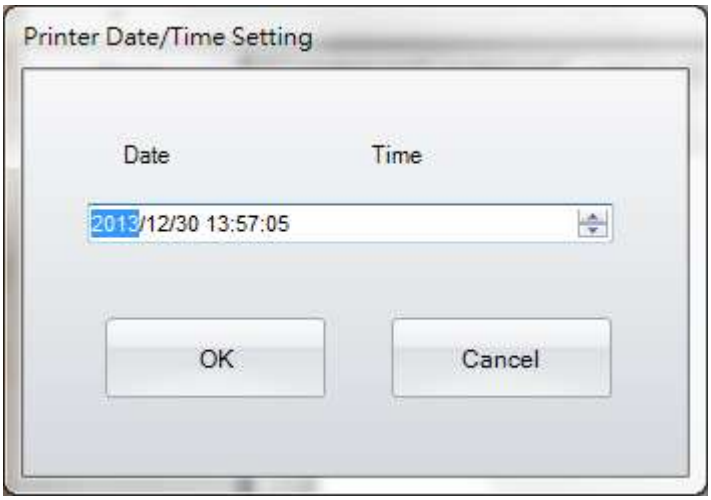
- Double click the Object that the "Variable" will be modifying
- The editing procedures are similar to the creating, just select the row that wants to modify and makes the editing directly.
- Intercept Option : Available to do the setting by length or by numeric as the ending string in standalone application. EX: If set the intercept by length at 5, then when input the data "abcdefgh", the "abcde" will be printed. When set "intercept by ending string", it will print the setting character ahead only. EX : if set "f" as ending string, when you input "default", it will be printed "de" .
- There are two more icons are reserved for editing. The icon "Clear" – it removes the selected variable one by one, "Clear All" that deletes all the variables in once.



5.4 Date Time setting

5.4.1 Setting Date/Time to the RTC of Printer

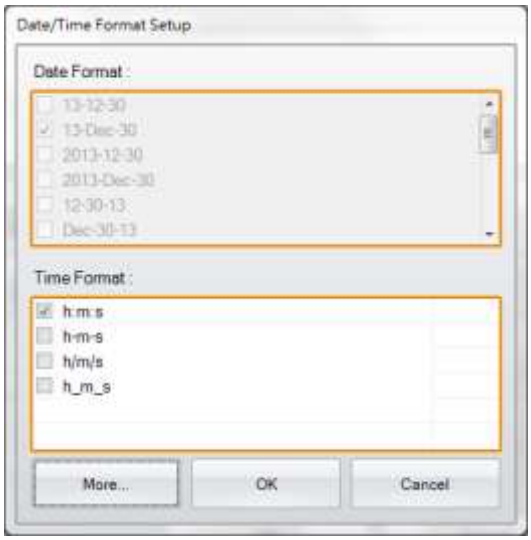
- Click the Icon "Printer Date Time Setting" from Advance Tool Set
- Set the date/time in the dialog - "RealTime Clock Setup" and then click "OK"
- Or, Just click "OK" to load PC's date/time to the Printer's RTC

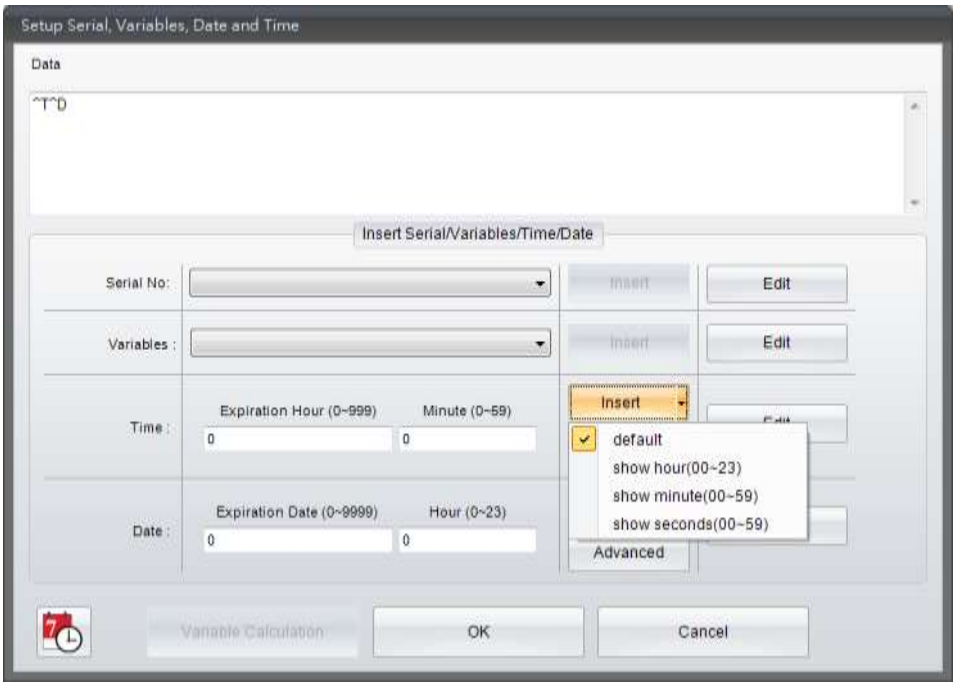


5.4.2 Add Date/Time in Label

In the Barcode, Text, Graphic of the Object Dialogs, It has a sub-dialog "Data Source" or "Graphic Source", which can choose "General" and then click "Setup Serial, Variable, Date, Time" to open a 3rd level dialog respectively.

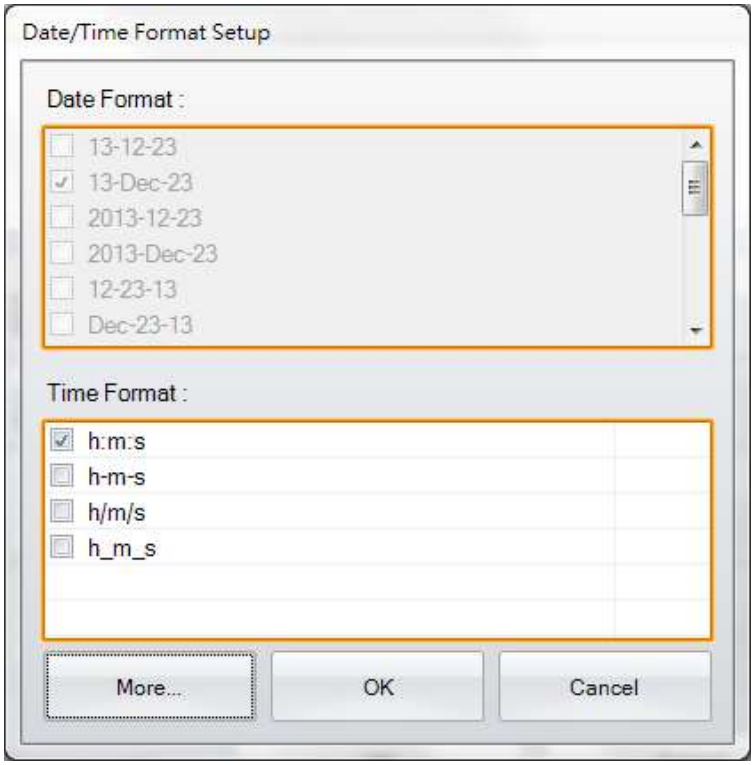
Click the icon "Edit" in the dialog of "Setup Serial, Variable, Date, Time" to open a 4th level dialog "Date/Time Format Setup" There will be 4 types of the Date/Time display selectable ("default", "show hours", "show minutes", "show seconds"). After selection, please click either or both icons "Insert" to insert the RTC's Date/Time to the Object.

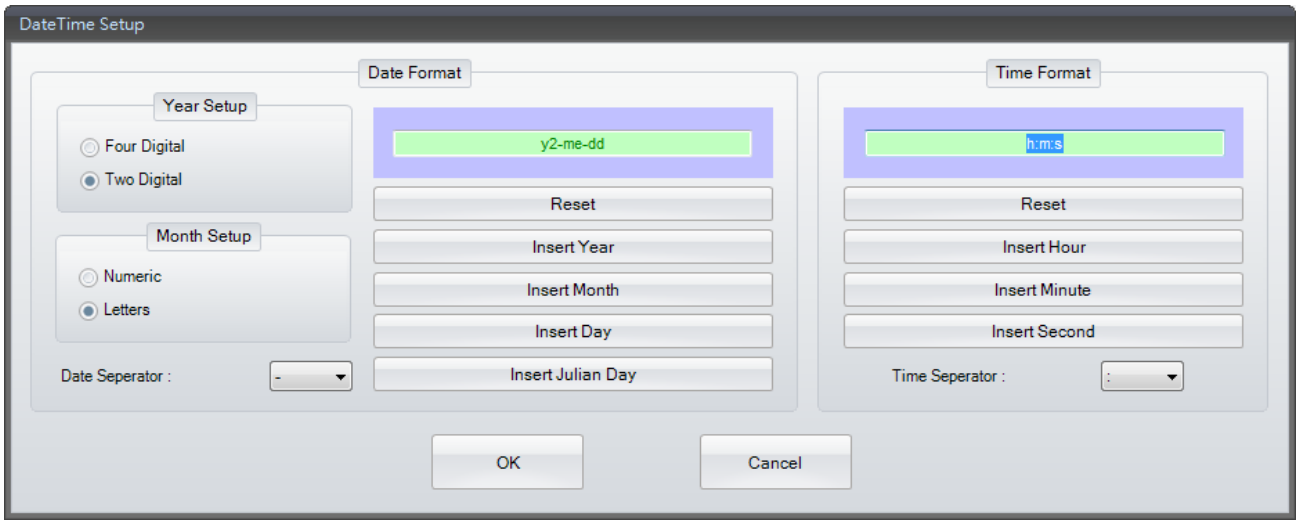




User selects preferring Date/Time format directly, or click icon "More" for comprehensive setup

- After selection, click "OK" and then back to the previous dialog for Date/Time insertion. Select "Expiration Hour/Date'' and click the icon - "Insert" to insert time /date and expiration date/time if necessary.
- Please be sure the printer is "Ready" before that sends the commands to the printer.





5.5 Database Linkage

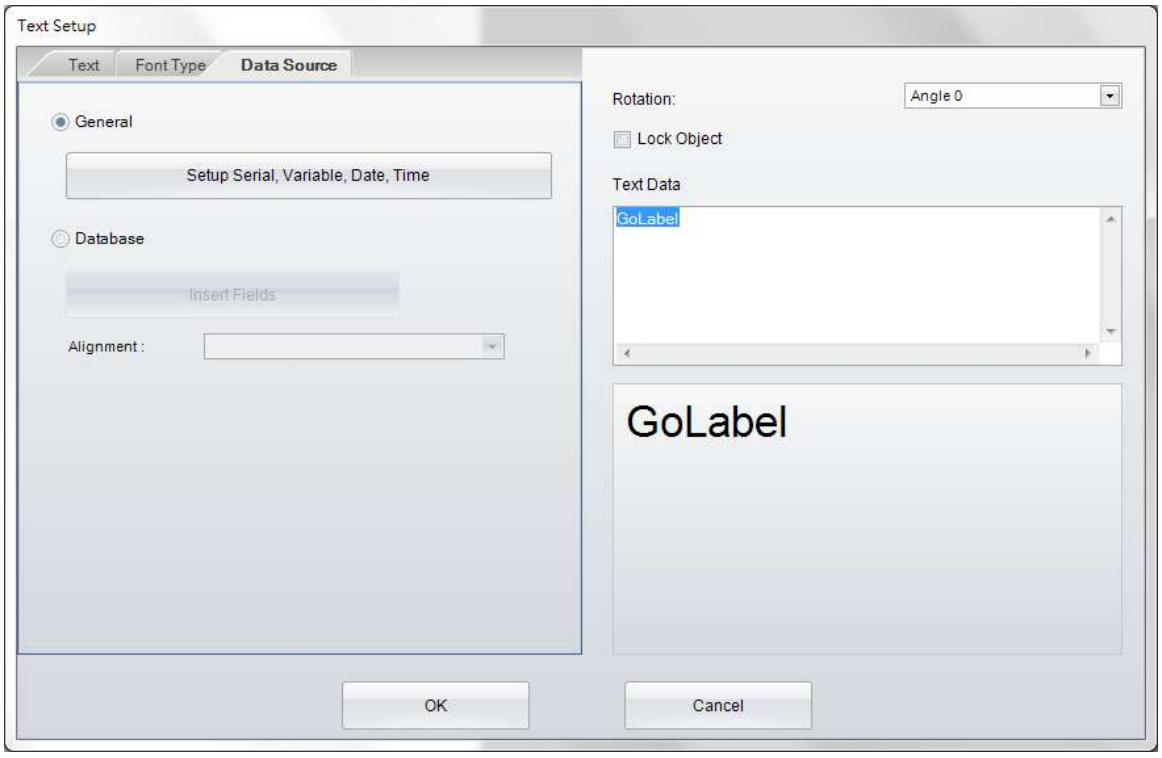
Database linkage provides the function for label to link with the database files, such as Excel, Access and dBase.

5.5.1 Connect Database

There are two ways for linkage; both will pop up two dialogs - "Database Query" and then "Connection" for Database selection.

- Click the icon "Database Select"

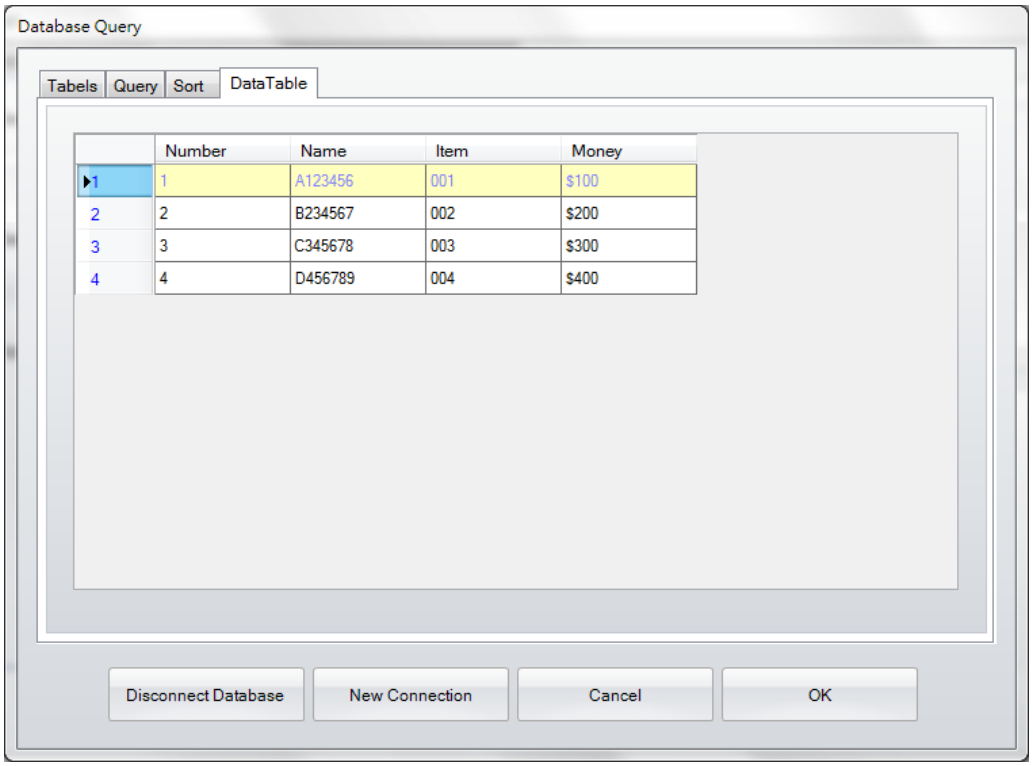
of Generic Tool Set to make the database linkage.
- Or, in the Barcode, Text, Graphic of the Object Dialogs, It has a sub-dialog "Data Source" or "Graphic Source", which can choose to click the icon "Database".



- GoLabel will pop up two overlay dialogs immediately; select which database going to link. For example, an Excel file – "1.xlsx", click "OK" to close the "Connection" dialog.

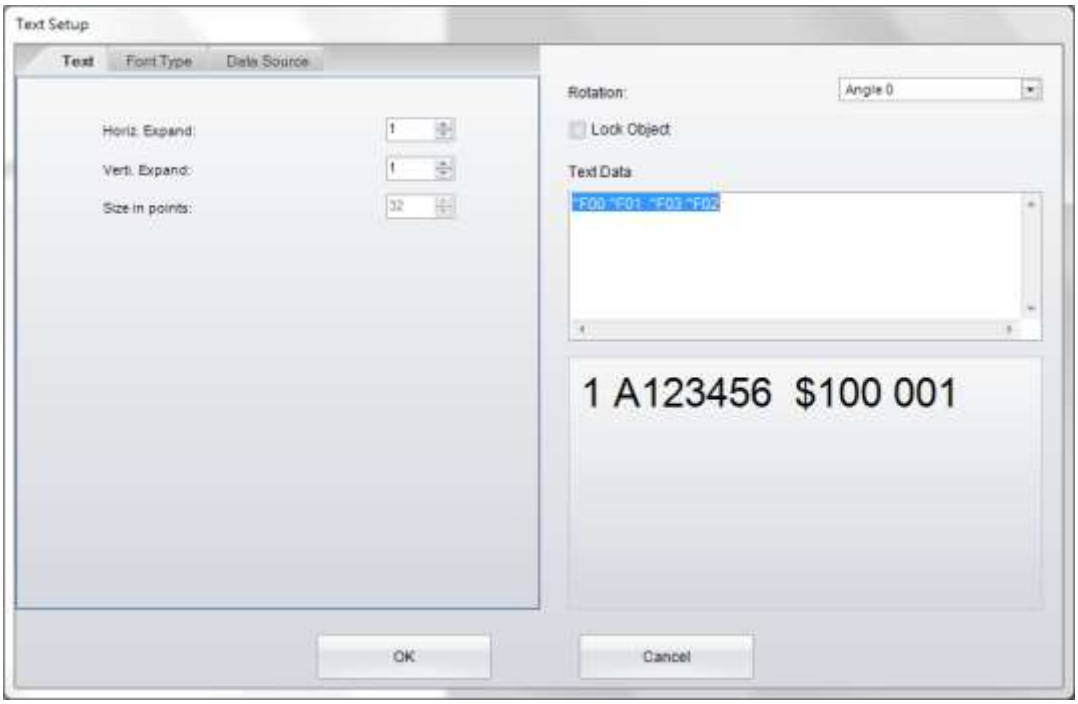
5.5.2 Select Database

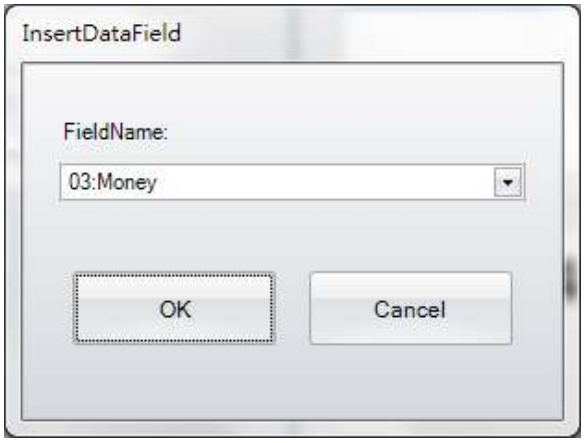
- In the dialog of "Database Query", selecting "Data Table" will show the Excel file contents as below.



For example with "Text Setup" dialog:

- When the database is connected successful, the object dialogs – Barcode, Text and Graphic may link to "Database" by click "Insert Fields" and select which field will be insert to "TEXT"



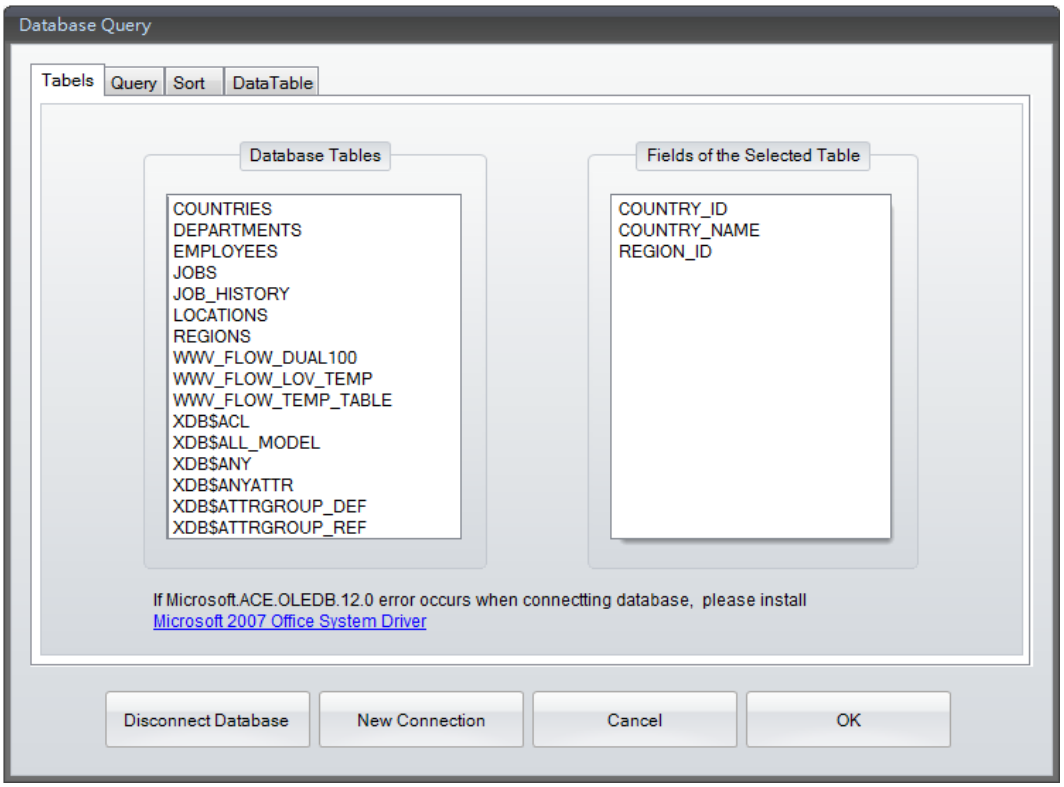


Oracle

Before uses Oracle Database selection, need to download Oracle from **Oracle Data Access Components (ODAC) with Oracle Developer Tools for Visual Studio**

- After the installation is complete, open the database connection settings
- Enter the server IP Address in Database Name. Ex: 192.168.xxx.xxx
- Enter the user name and password to connect to the server. Press the test connection to confirm whether the connection is successful.

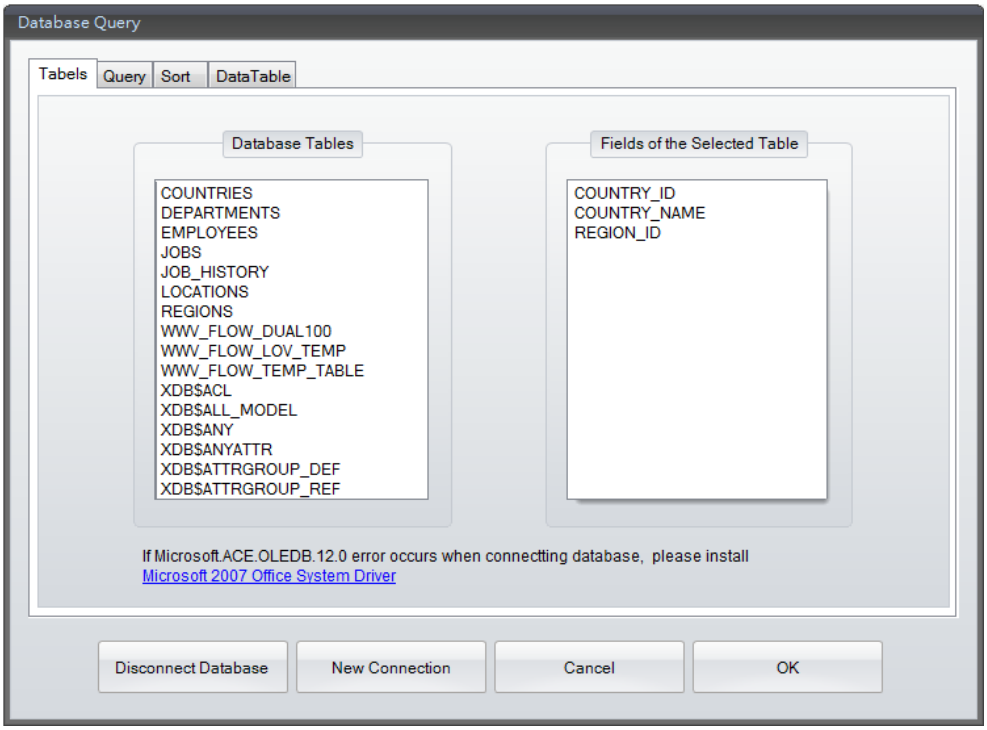
- A listed available data items for the database query



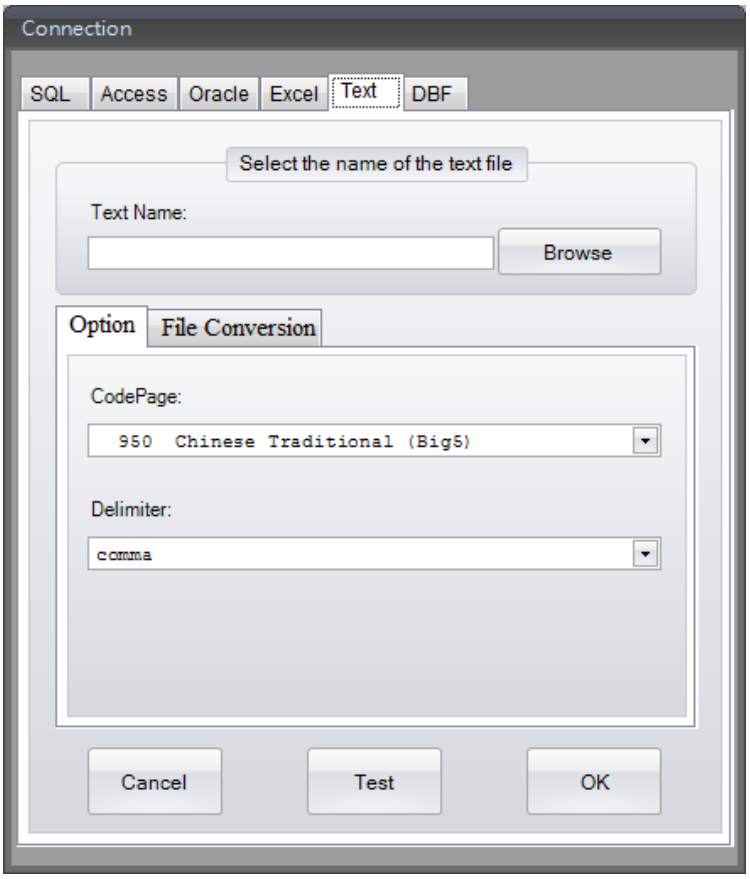
SQL Server

- SQL Open the database connection settings Select SQL
- Type In the server IP address into server name. Ex：192.168.xxx.xxx
- Input the name of the database to be connected in SQL initial Directory.
- Enter the user name and password used by the user to connect to the server. Press the test connection to confirm whether the connection is successful.

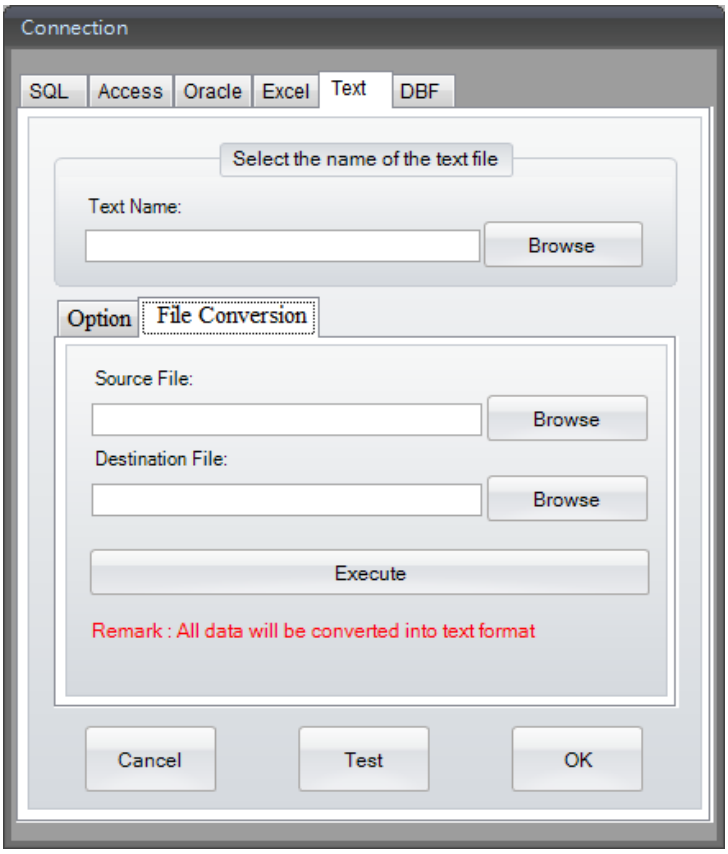
- A listed available data items for the database query



Text



- **Text Name：** a file that is named .txt or .csv。
  - **Option**
    - **CodePage：** The software will automatically get Code Page code for the system. The user can also use the drop-down menu to select the Code Page code that matches the file.
    - **Separate symbols:：**The default is a comma. If the user creates a file with a semicolon or blank as a separator, the corresponding delimiter must be selected using the drop-down menu.
  - **File Conversion：**



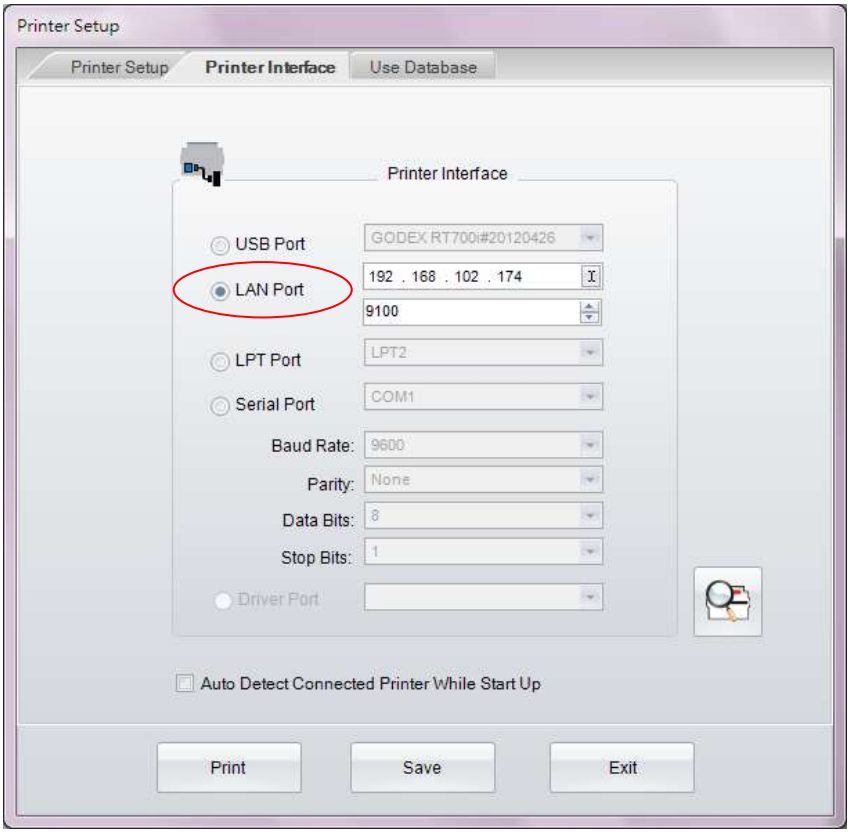
- User establishment file If there is numerical data to fill the full number of 0 (such as: 0001,0002 ..., etc.), the need to use the transfer of digital data into text format, to avoid connecting to the database, the numerical data will be 0 omitted.

5.6 Printer with LAN Port

5.6.1 Search Printer

- In case the printer is connected by Ethernet LAN port, please click the icon

in "Generic Tool Set"; select "LAN Port" in the dialog of Printer Interface and save then.



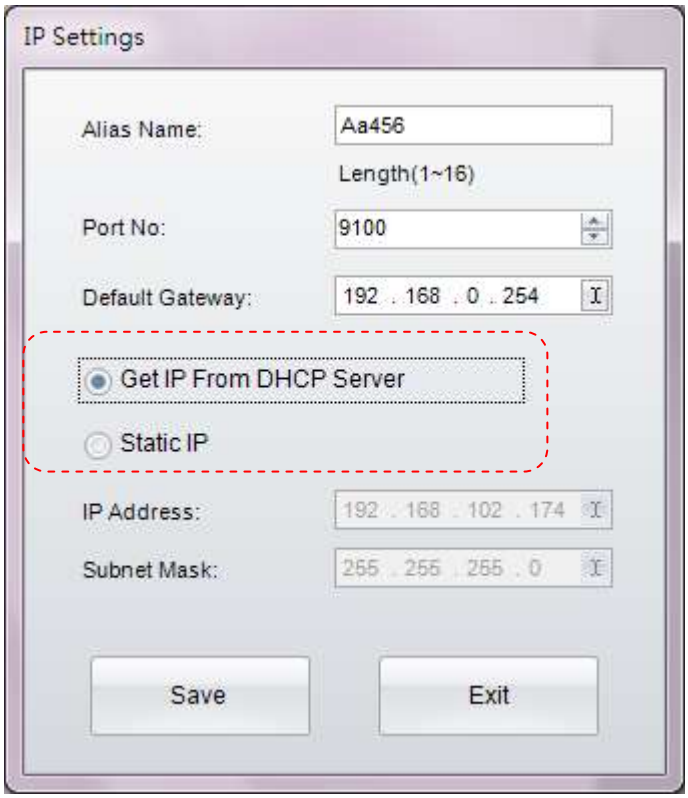
- Next step is to click the icon

, which will search to the Ethernet networking and find out where the GoDEX printer is as following dialog.

5.6.2 Setting IP Address

Click the icon

, the IP address will be get from DHCP Server automatically, or select "Static IP" to key in it by user manually.



5.6.3 Set Alarm Parameter

SMTP Alert Message Notification Enable

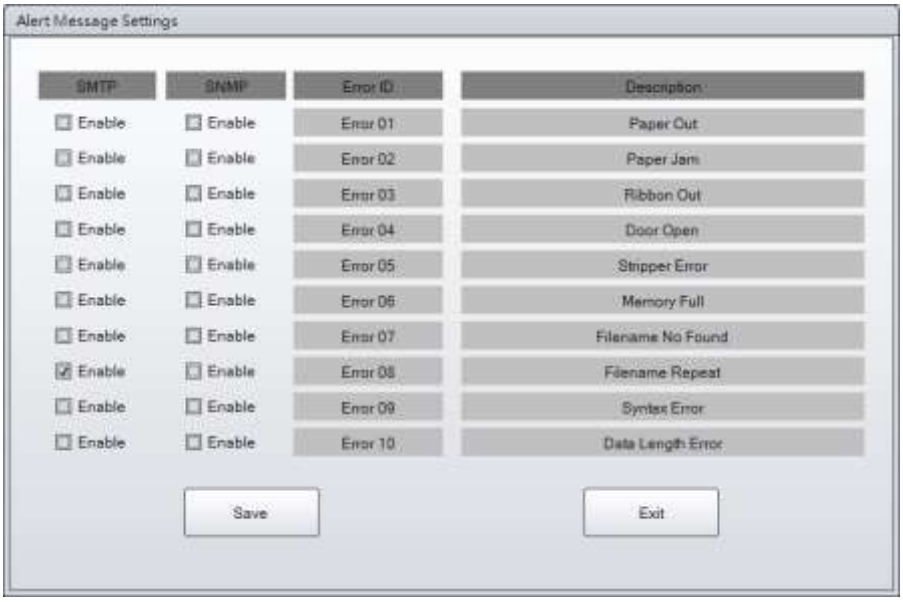
- Available to do the setting of SMTP Alert Message such as Login account/passward and Server Ip Address, Mail subject, Mail to and from Address.

SNMP Alert Message Notification Enable.

- Available to set the Alert Message via SNMP.

5.6.4 Setting IP Address Set Alert Message

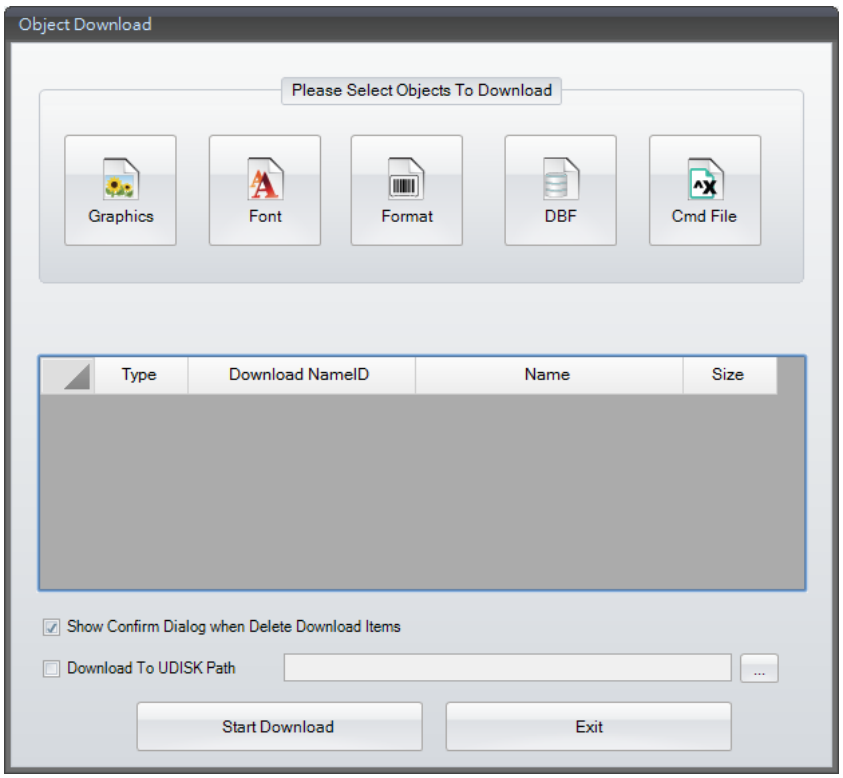
There are 10 listed error condition (show as below) which will be available to set the Alert Message via SNMP or SMTP.



5.7 Download Graphic/Font/Label/DBF/Cmd

5.7.1 Download Font

- Click the icon then entering to the dialog "Object Download". Click the icon and then select "Font" to download.

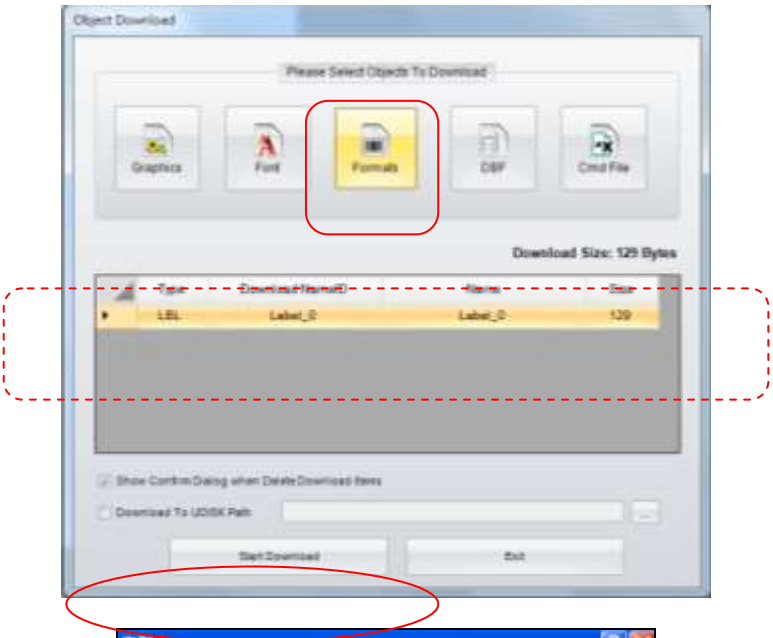


- Select Font, type, size and others in the Windows dialog, then click "OK" to download. The Font ID can be selected from VA to VZ in the dialog of "Please Select a Font ID" or use the default ID name in the sub-dialog.

- In some advance models (RT200i, RT700i, EZ2250i), they all have an USB Host port that can plug-in "USB Memory Stick" for Graphic, Font, Label, DBF and Cmd download.

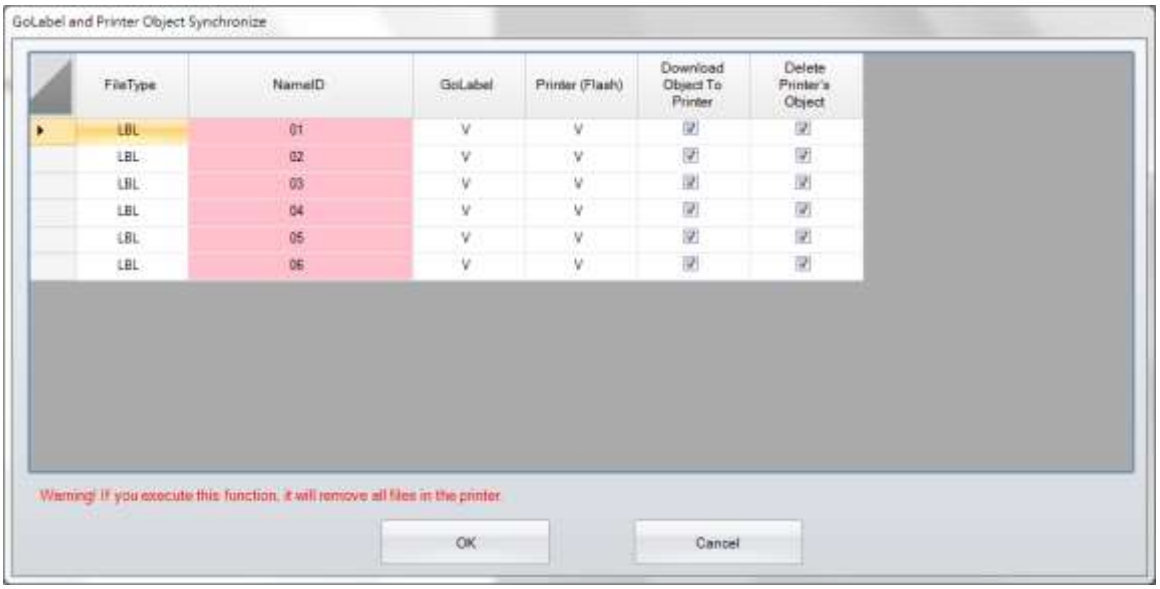
- Click the icon "Printer Control"

in "Advance Tool Set" and select "Switch the Memory" to either "Flash", or "Extended Memory" (this function only for the model it has an "External USB Memory Stick"). While all the fonts are selected, click "Start Download" to download fonts to either – "Flash Memory" in printer, or "USB Memory Stick" if it plug-in.
- When user plug-in "USB Memory Stick" to the advance "I" model printer. The printer will switch the "User Memory" from internal "Flash" to external "Extended Memory" immediately unless remove the USB Memory Stick out or user reselect back to "Flash" by the menu "Switches the Memory" at the icon of "Printer Control".
- Detail operation of the icon of "Printer Control", please refer to chapter 7.1



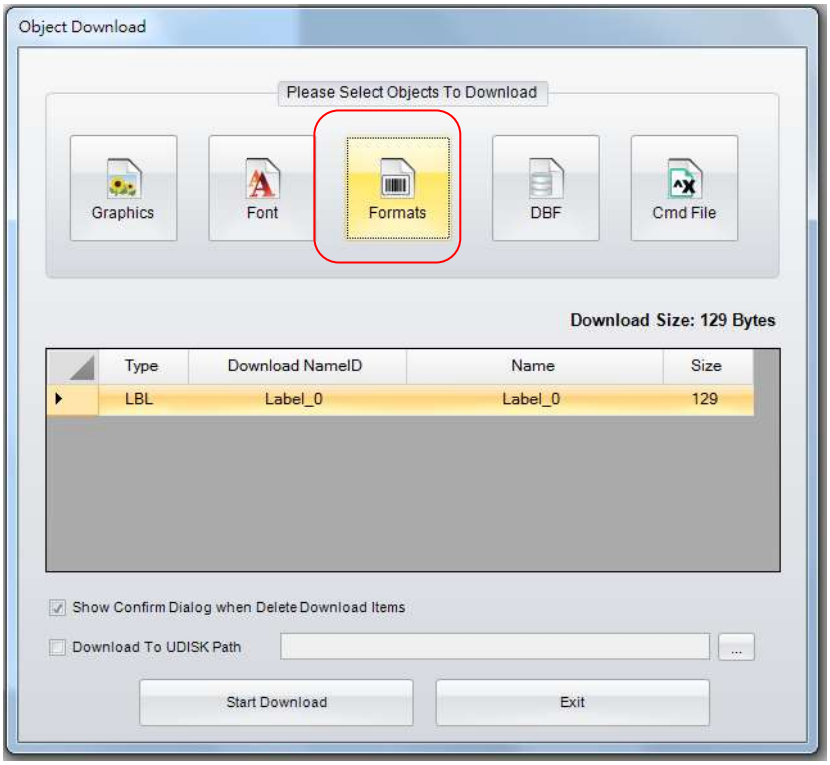
5.7.2 Check Download files in Flash or Extended Memory

- User can check the status of download file by click the icon "Synchronize Printer and GoLabel Object Record" in "Advance Tool Set"
- The dialog below shows that both (one Bitmap Font and one Label) are downloaded to the memory either - Flash or Extended Memory which is selected by default or by GoLabel manually.



5.7.3 Download Label Format

- Click the icon in the "Advance Tool Set" and entering to the dialog "Object Download". Click the icon "Label Formats", it will select current "Label Source" and asking the name in the sub-dialog, then click "Start Download" to download "Label Format" to the User Flash of the printer.



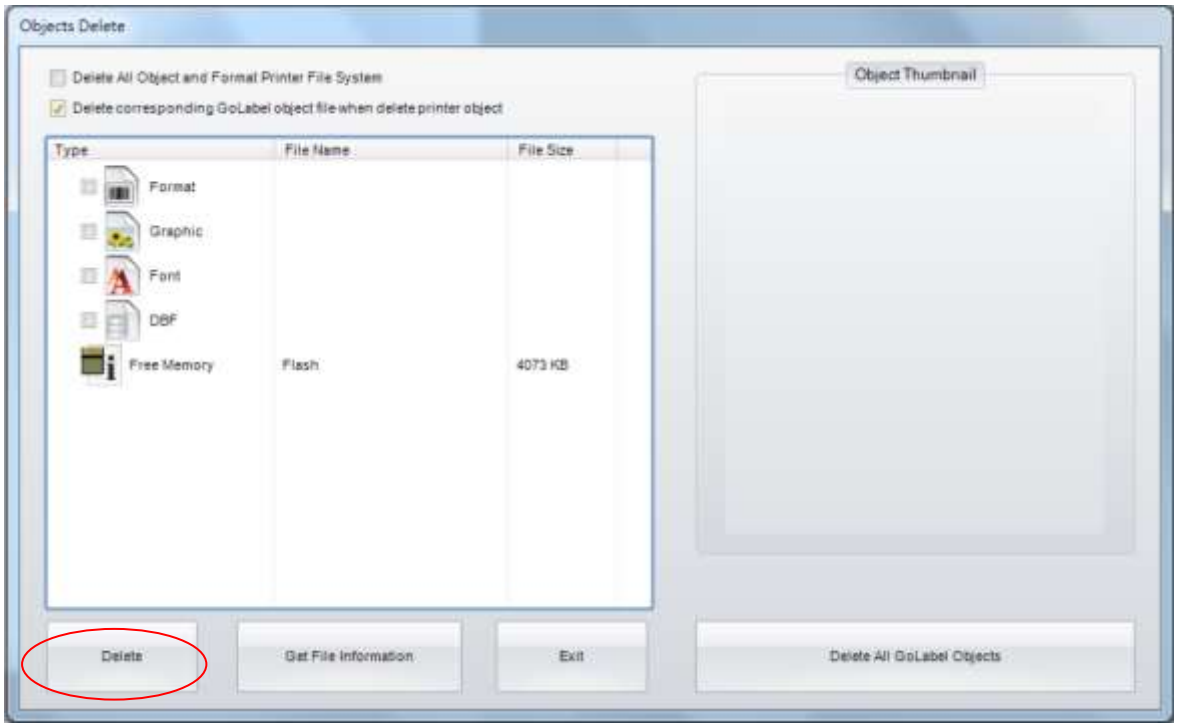
5.7.4 Other Object

- The download procedures of other objects (Graphic, DBF and Cmd) are all similar to the Font and Label of above; they are all downloaded to the available space of either "Flash" or "Extended Memory" that selects by printer default or by user at GoLabel in manually.

5.7.5 Delete Printer Object

- Click the icon "Delete Printer Object"

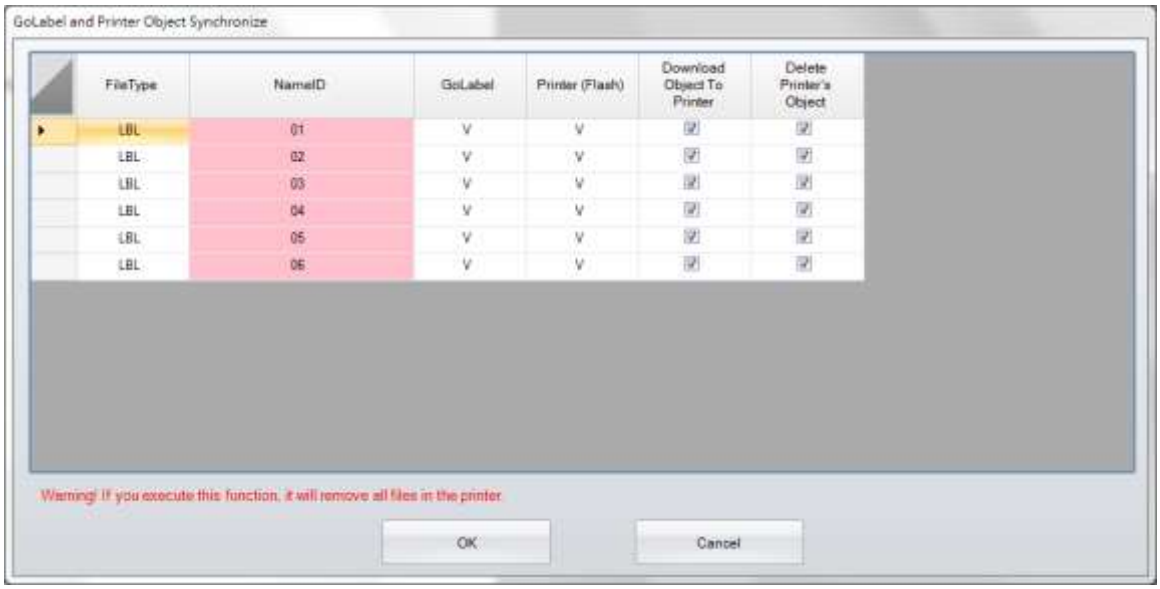
and select which objects want to delete by right key of mouse and click "Delete" to remove them.
- Only Graphic and Label are able to preview in the Window of "Object Thumbnail" while cursor move to the object which user wants to preview.



5.7.6 Synchronize GoLabel Objects with Printer

This Function will synchronize the downloaded objects in GoLabel to the connecting printer.

- Click the icon "Synchronize Printer and GoLabel Object Record" in "Advance Tool Set", entering into the dialog "GoLabel and Printer Object Synchronize" which will display what object is existed in the connecting printer and GoLabel itself.

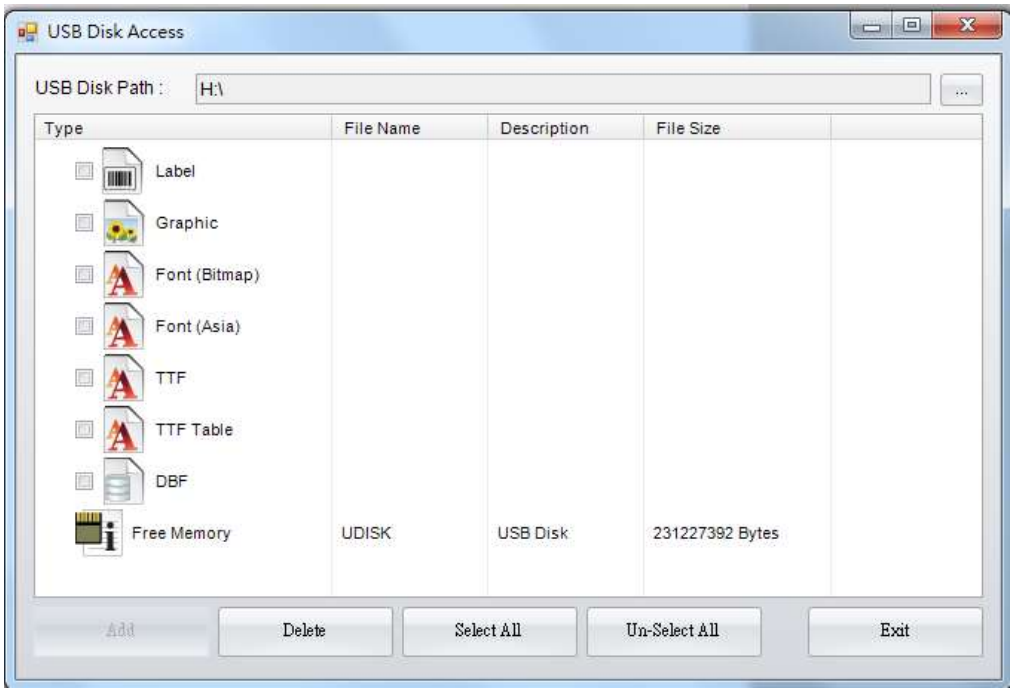


5.8 USB Disk Access Function

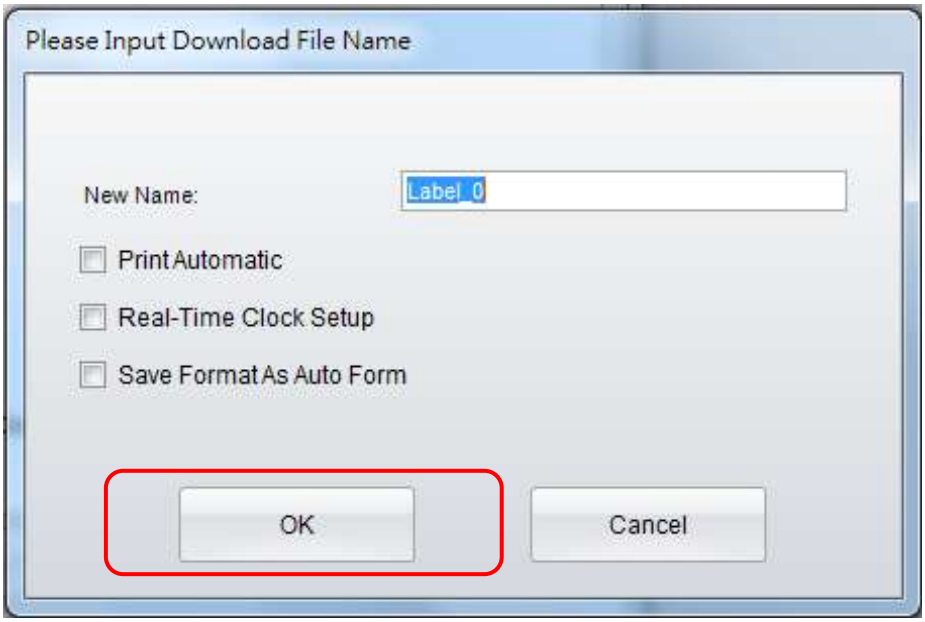
5.8.1 Main Display Screen

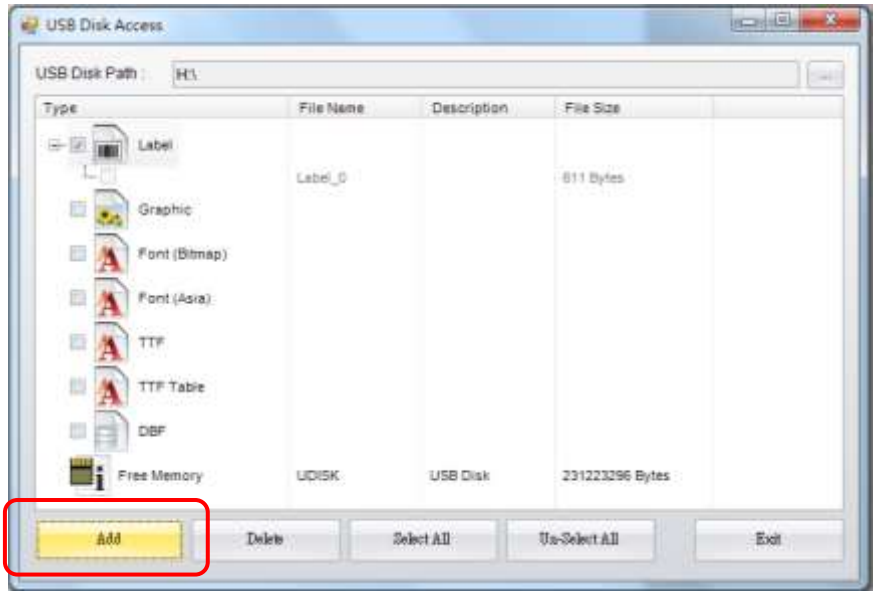
- Click right button of mouse and select "USB Disk Access''.

- File type which can be downloaded are Labels, Graphics, Fonts, TTF, TTF Table and DBF. Setup "USB Disk Path" where you are going to save the files. Select file type which would like to download.

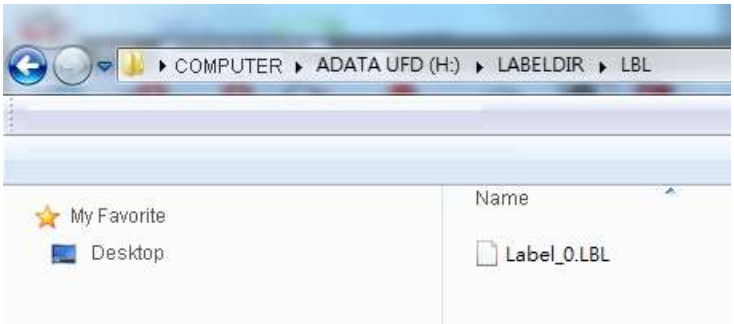


- Input relevant settings and click OK.





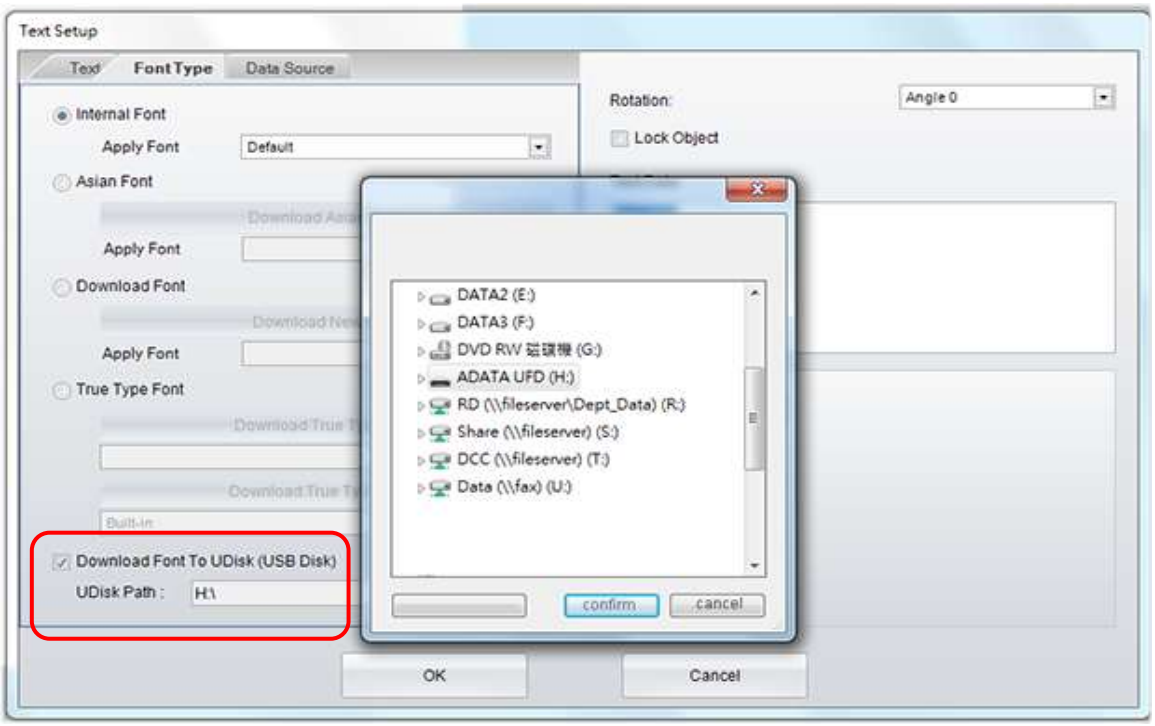
- LABELDIR folder will be created automatically. Downloaded file will be saved in the subdirectory. (for example: H:/LABELDIR/LBL)



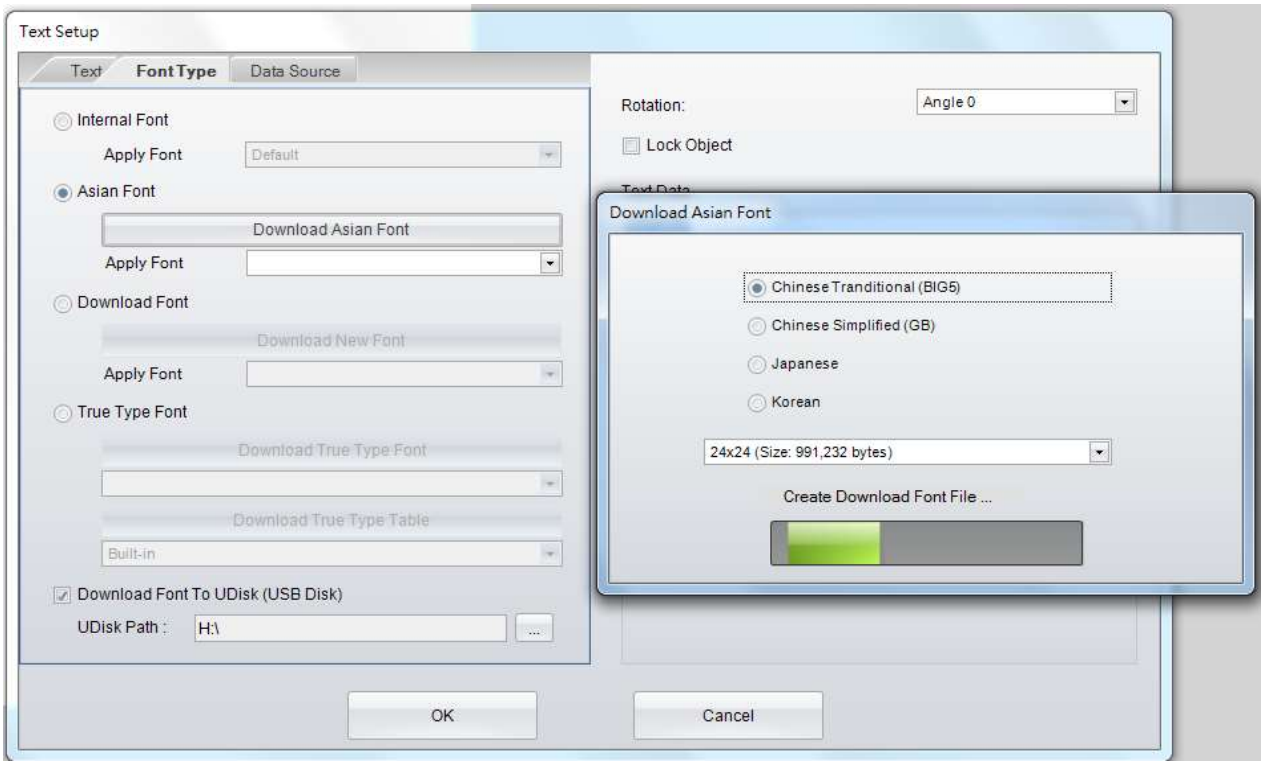
- Put the USB disk onto printer. Printer can recall label file and carry out standalone operation.

5.8.2 Text Setup

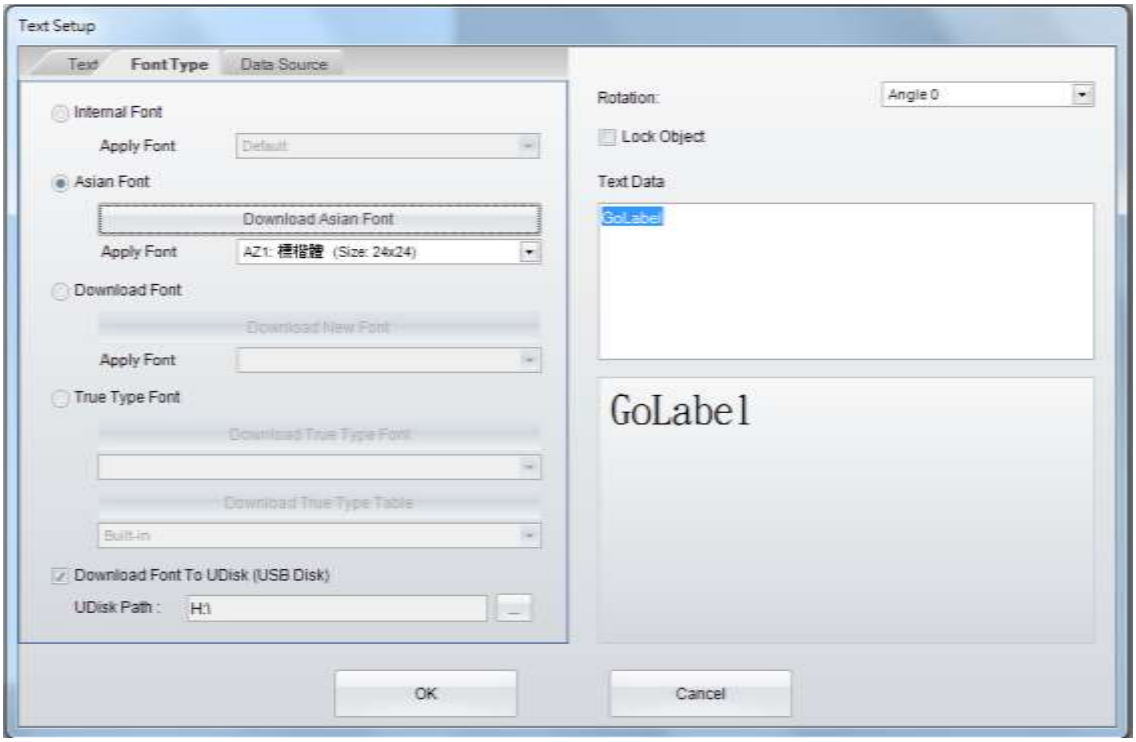
- Click Printer Text of Object tool set on the left side and select "Font Type" tape. Check "Download Font To UDisk (USB Disk)" and setup UDisk Path.



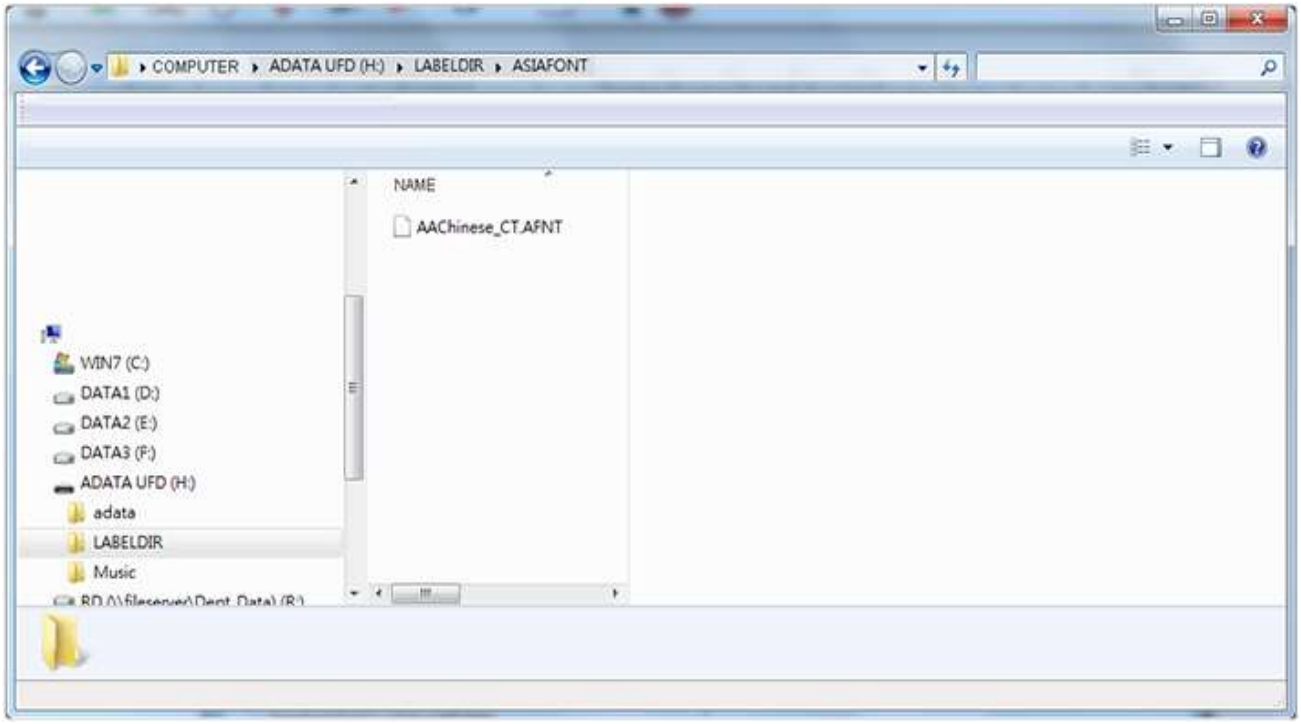
- Select to font type you are doing to download.



- Font downloaded.

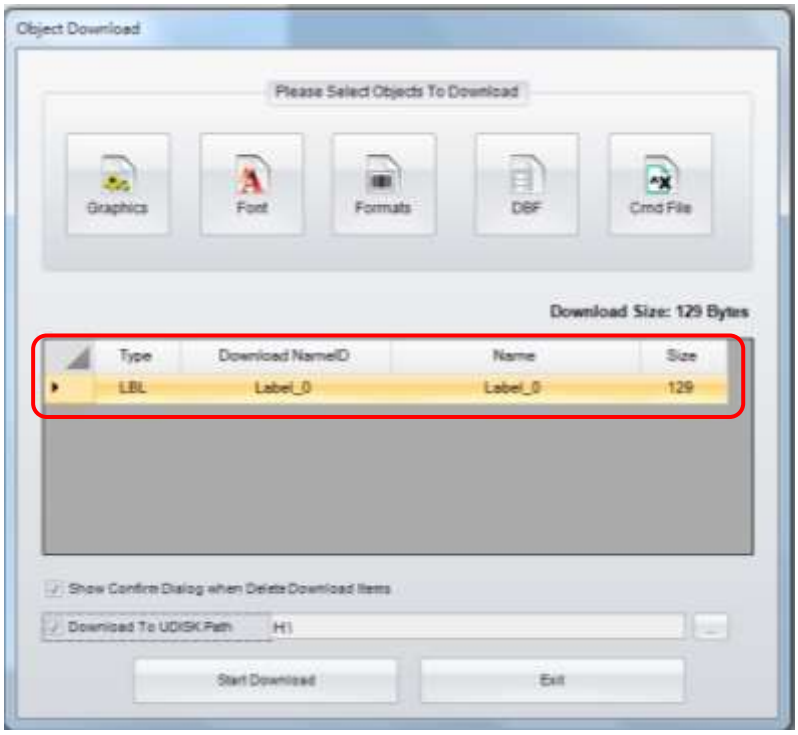


- LABELDIR folder will be created automatically. Downloaded file will be saved in the subdirectory. (for example: H:/LABELDIR/ ASIAFONT)

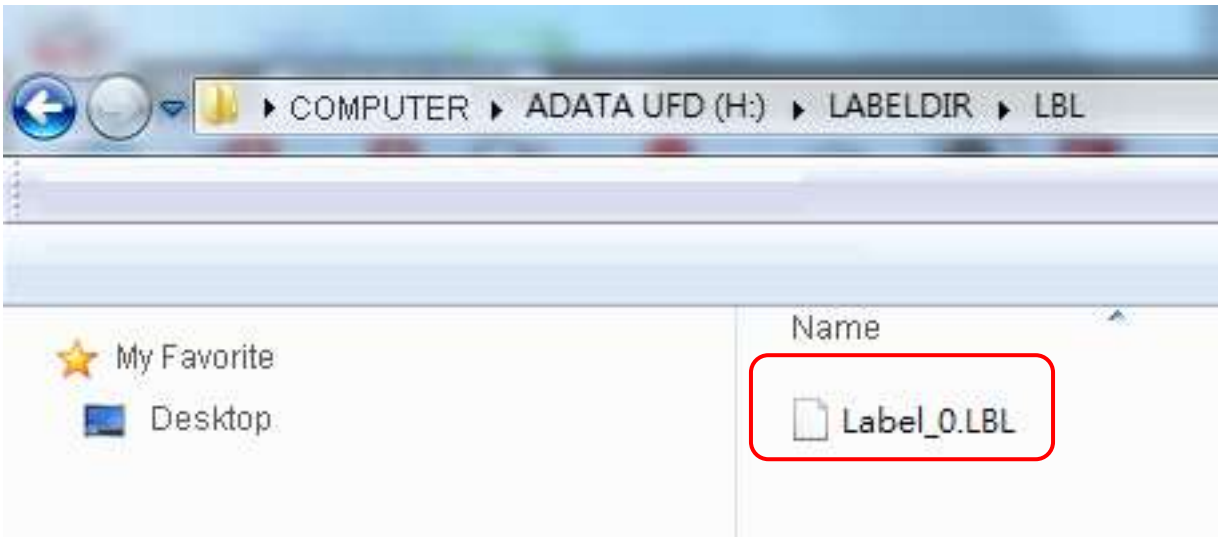


5.8.3 Download Objects to Printer

- Click on the Advance tool set. Check the box and setup the Download To UDisk Path. Select the objects you are going to download then click "Start to Download" button.



Check the downloaded file in the USB disk. LABELDIR folder will be created automatically. Downloaded file will be saved in the subdirectory. (for example: H:/LABELDIR/LBL)



6. Barcode Application

6.1 EAN-128 / GS1 Databar with AI

6.1.1 Application Identifiers

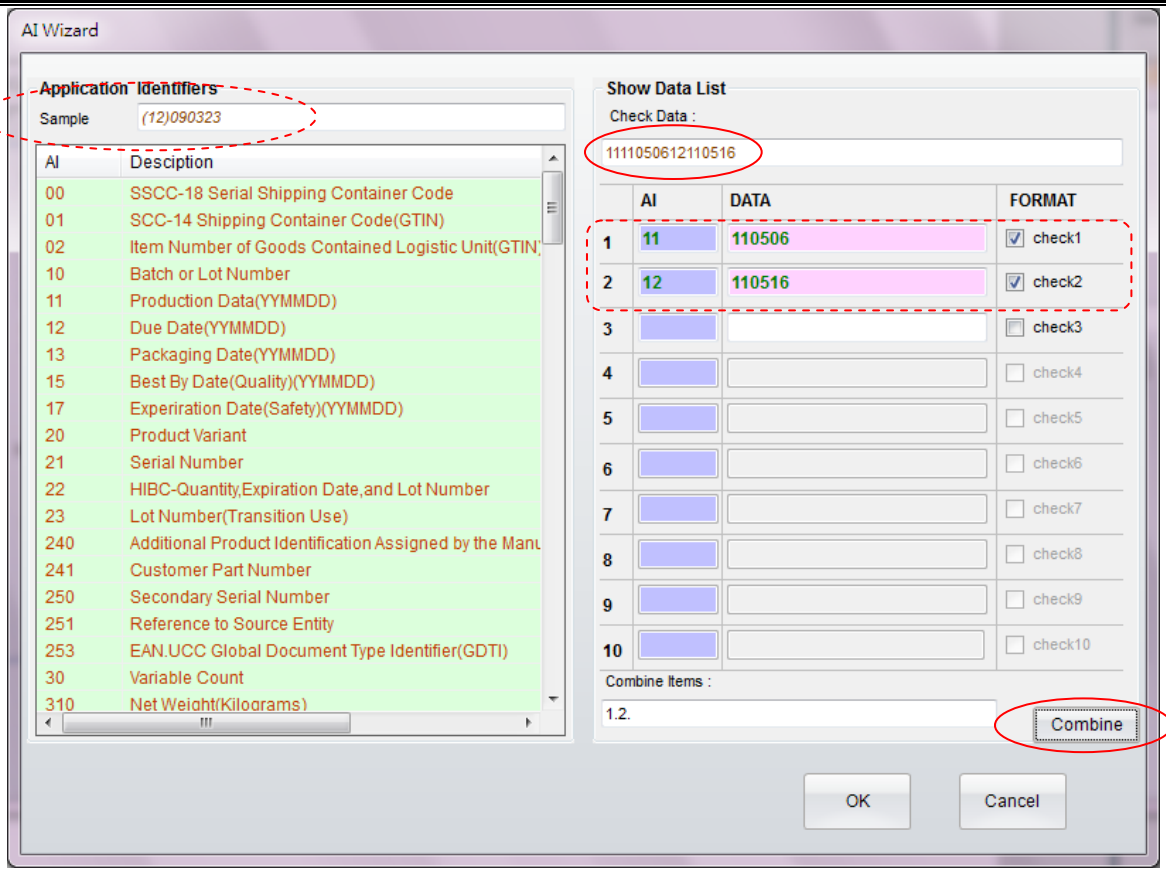
GoLabel supports the data format of Application Identifiers (AI) for EAN-128. The data format of AI is consisting by 2 to 4 digits of AI leading code that defines the significant and format of the following subsequence data. For instance, (11) in AI definition is representing the production date; the format is n2+n6. The n2 is meant that AI code is consisted by two digits; following n6 is comprised by 6 digits of the format (YYMMDD) of production date. The detail of how to define AI data format, please refer to the relevant documents of AI definition standard.

In the field of "Bar Code Data" of EAN-128, the data being key-in, GoLabel will display it on the preview window. For example, user key-in "11090227" in the field, it met to n2+n6 AI standard, (11) with production data "090227", then it will convert to "(11)090227" and display in the preview window below.

6.1.2 AI Wizard

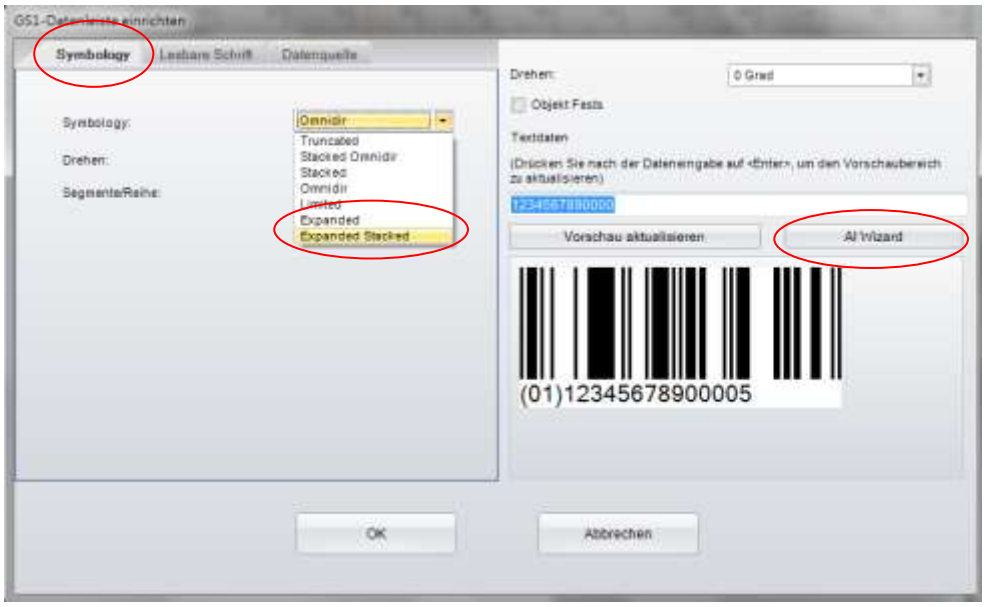
1) EAN-128

- GoLabel provides a function "AI Wizard" for user to checking the AI rule of data. If necessary, user may click "AI Wizard" to enter to the dialog that assists user defining the AI code and also helpful to check the corrective of AI rule then.
- In the left side of dialog, it has AI codes for selection and will display a sample format on the top of field for user reference when selected it, such as (11)090423.
- It can be either: input the data (110090227) to the field of "Check Data" by user himself; or, double click the AI code (e.g., 11 Production Data (YY/MM/DD) in the left side of dialog, then it will auto fill-in AI code to the right side of dialog, and input date (090207) to the "DATA" field also.
- Click the "check 1", AI Wizard will check the corrective of input data. If the data is corrected, the dialog will allow user to input next data in following row.
- Repeat the procedure 2nd to 3rd for further data input until finish, i.e., (12) Due Date (YY/MM/DD) and 110526 in second row; and click "Combine" that will integrate all the data together on the field of "Check Data". Please click "OK" that back to main screen and an EAN-128 barcode will be created as follow.



2) GS1 Databar

- Not just AI Wizard in EAN-128 of 1D barcode, the GS1 Databar Expanded and GS1 Databar Expanded Stacked also provide AI Wizard in their dialog of GS1 DataBar Setup as below.
- Select Symbology and click Expanded or Expanded Stacked. An icon of AI Wizard in the subdialog can be clicked to assist user defining the AI code and also helpful to check the corrective of AI rule then.
- The Detail, please referring "AI Wizard" in previous chapter.

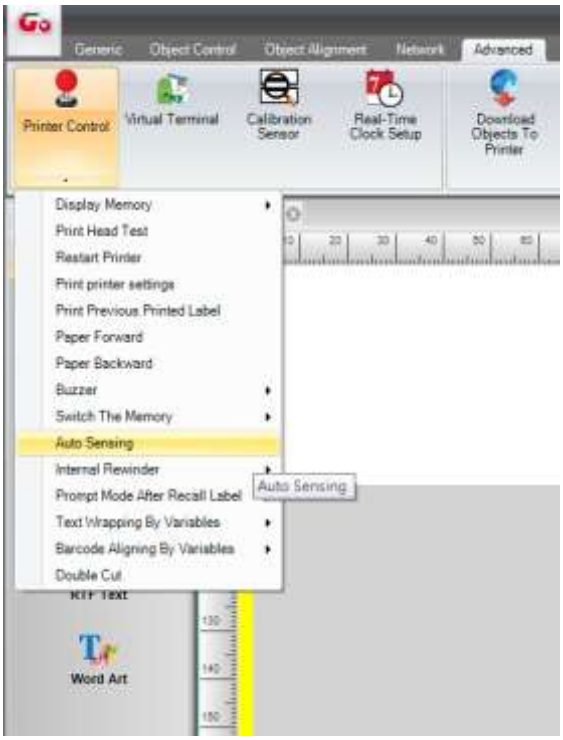


7. Further Advance Tool Set

7.1 Printer Control

The icon "Printer Control"

can be clicked to provides 10 functions for printer control and status display as follow:



- **Display Memory :** it will print the entire file name of either - Label Format, Graphic, Font, Asian Font and free space of the internal and external USB memory on label by selection
- **Print Head Test**：Make a print head testing and print a net pattern on a label of the printer
- **Reset Printer**：Warm start up the printer that clears and resets the DRAM memory
- **Print printer settings**：it will print the model name, F/W version, system configuration and parameters out on the labels。
- **Print Previous Printed Label**: A last printed label will be reprinted again
- **Paper Forward**：Directly move the printer forward by user selecting mm
- **Paper Backward**：Directly move the printer backward by user selecting mm
- **Buzzer**：Set the buzzer of printer to On or Off
- **Switch the Memory**：Switch memory to either – internal Flash or Extended USB Memory stick

- **Auto Sensing**：Auto sensing and detecting the specification of media
- **International Rewinder :** Available to set the rewinder enlabe/disable with the model contains this feature in.
- **Prompt Mode After Recall Label :** In Recall label setting, could choose **"Return to Input Number of Labels", "Return to Input Variables", "Return to Select label"**

- **Text Wrapping by variables :** According to the variable definition set text line.

- **Barcode Aligning by variables :** Set barcode alignment based on variable definition

- **Double Cut :** Set the printer to cut twice per label.

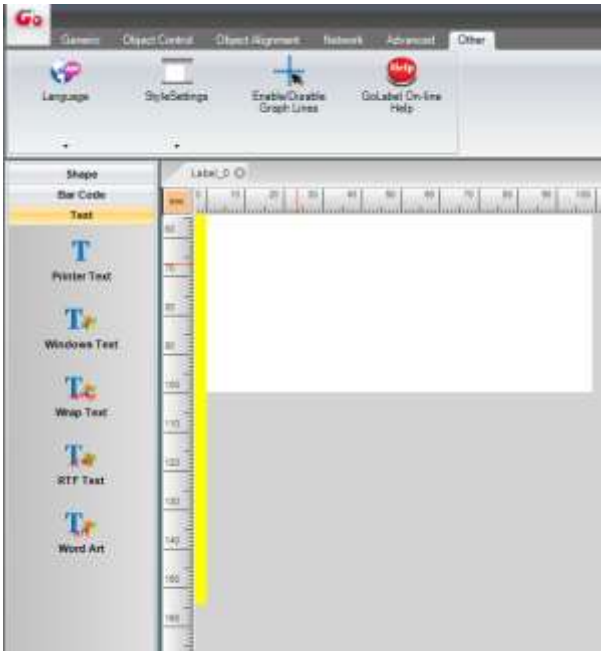
7.2 Virtual Terminal

1) Click the icon "Language"

to set the preferring language for user that up to 24.

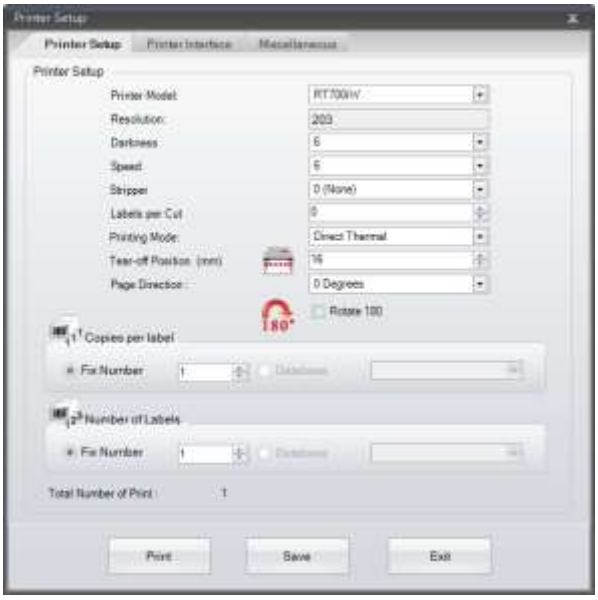
2) Click the icon "Style Settings"

to set the preferring color to GoLabel operation screen, such as Office 2007, Office 2010 or Windows 7。

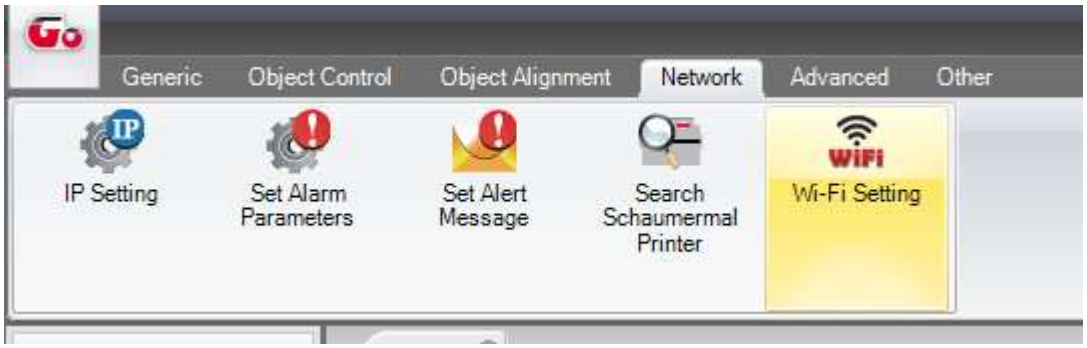


7.3 Wifi setting (Available for the Printer with optional wifi selection)

1. Printer connected to the PC via USB connection and turn on the GoLable, the printer settings select the user to support Wifi models

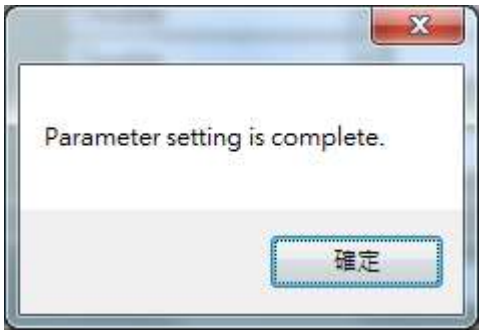


2. After selecting a Wi-Fi-enabled model, select "Internet" in the action toolbar and the icon will appear and click



3. The user needs to make sure the wireless network settings of the wireless router or wireless payers used and set the corresponding info into GoLabel's Wi-Fi Setting

4. After pressing the left column to set the parameters, the printer will reboot and display the parameter settings complete window.



5. If you want to use IP (Static IP), use the static IP (Static IP), you need to connect the printer through USB and open Wi-Fi Setting, select other pages, check the IP Set the contents of the fixed IP bit and press the parameter setting.