



# iMotion Label

Custom Label Design Software

## User's Manual

Version 1.0 2021.4.8

# Table of Contents

---

<b>Table of Contents .....</b>	<b>2</b>
<b>Chapter 1: Introduction .....</b>	<b>5</b>
System Requirement.....	5
Introduction .....	5
Startup.....	5
Main Display Screen .....	5
General .....	6
Command Area .....	7
<b>Chapter 2: General Operation .....</b>	<b>8</b>
Creating First Label.....	8
Open a new label file .....	8
Save a Label file (.ezpx) .....	8
Save a Label file (.cmd) .....	8
Open an Existing File .....	9
Open a Label (.ezpx) .....	9
Open a Command File (.cmd).....	9
Printer Setup .....	9
Printer Setup .....	9
Printer Interface Setup .....	11
Miscellaneous Settings .....	12
Select Label Size and Media Type .....	14
Set up the Media Size.....	14
Select Media Type.....	15
Choose Media Layout .....	16
Create Texts .....	19
Text Setup .....	19
Windows Fonts.....	25
Wrap Text .....	28
RTF Text.....	30
Create a Barcode .....	32

Symbology .....	33
Text Settings.....	34
Data Source .....	35
Drawing Shapes.....	38
Drawing Table Form .....	39
Create Graphic.....	40
<b>Chapter 3: Advanced Operation.....</b>	<b>43</b>
Using Serial Number .....	43
Open Serial Number Dialog .....	43
Create Serial Number .....	44
Editing Serial Number .....	45
Using Variable .....	47
Open Variable Settings Dialog .....	47
Create Variable .....	47
Editing Variable .....	49
Variable Calculation.....	50
Create Variable Calculation .....	50
Editing Variable .....	51
STRSUB Introduction.....	52
STRCUT Introduction.....	53
Date Time Setting.....	54
Setting Date/Time to the RTC of Printer .....	54
Add Date/Time in Label.....	54
Database Linkage .....	57
Connect Database .....	57
Select Database.....	59
Printer with LAN Port.....	61
Search Printer .....	61
Setting IP Address.....	62
Download Graphic/Font/Label/DBF/Cmd .....	62
Download Font.....	62
Download Label Format.....	66
Other Object.....	68
Delete Printer Object.....	68

**Chapter 4: Synchronize iMotion Label Objects with Printer . 70****Chapter 5: Barcode Application..... 71**

Application Identifiers (Application Identifiers, AI)..... 71

AI Wizard..... 72

**Chapter 6: Further Advanced Tool Set ..... 74**

Printer Control ..... 74

Other Settings ..... 75

# Chapter 1: Introduction

---

## System Requirement

CPU	1 GHz above
Memory	1 GB above
Free Storage Space	50 MB above
OS	Windows (XP, Vista, Win 7, Win 8, Win 10)
Software Environment	Requires NET Framework 3.5 SP1
Resolution	1024x768 above

## Introduction

iMotion Label is a custom label design software that comes with a user-friendly interface and powerful functions. iMotion provides the best integration services from hardware to software to the users of iMotion barcode label printers.

iMotion Label supports printing of a variety of 1D and 2D barcodes in either graphic files or in diverse font formats. It also supports printing via database link or network transmission. The WYSIWYG interface is simple, intuitive and easy to design and print various types of labels to meet user needs.

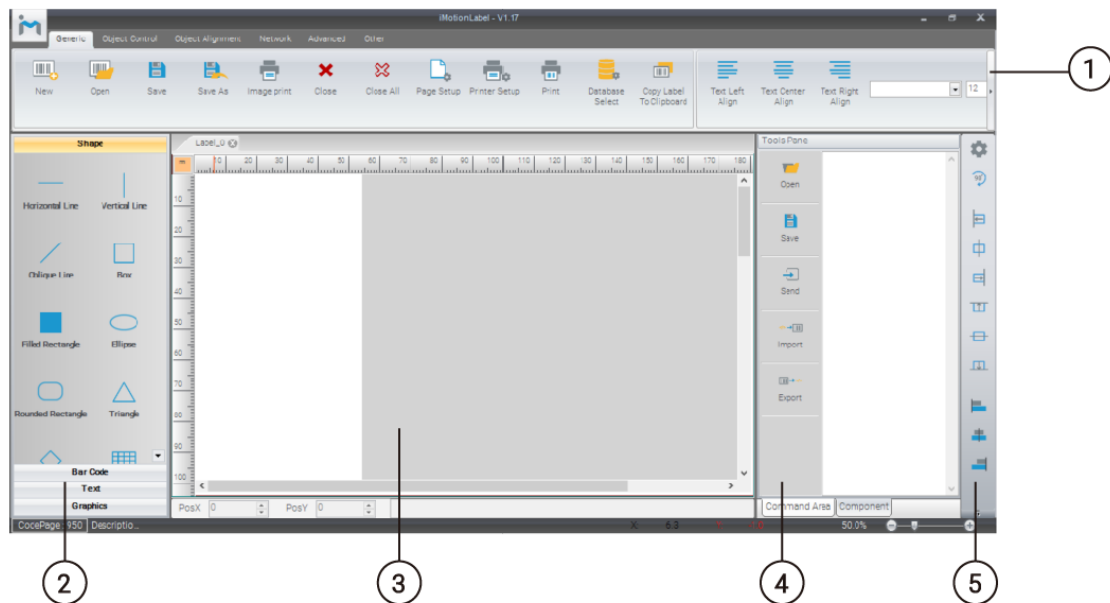
## Startup

Click [Begin] on Windows Desk and select “iMotion Label” software program

to run it. Or, just click the Icon  on the Windows desk, and start to execute iMotion Label program.


### ***Main Display Screen***

There are three tool sets and two working areas on the main display screen of iMotion Label when it starts up:



Number	Name
①	Operating Tool Set
②	Object Tool Set
③	Label Design Area
④	Command Area
⑤	Quick toolbar

## General

With the user-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, and the right side of pad is for command area. In the label design area, the user can design, edit, delete and then save label as a file name with “ezpx” file type (iMotion Label always save the file name with file type “ezpx”). In the command area, the user can export the label on the left working pad to the command area in the printer’s command format (on the right working pad).

## **Command Area**

The labels can be exported to the Command Area in TEXT / format and be edited and saved as a TEXT /ASCII" file on PC. Thus, in DOS mode, the 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 directly from the Label Design Area. For certain high level application, iMotion Label provides these quick and convenient operation tools for SI engineers and software designers.


Feature description of Command Area icons :

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 the Label editor window on iMotion Label.

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.

## Chapter 2: General Operation



---

### Creating First Label

#### ***Open a new label file***

Click the icon  in the Generic tool set.

#### ***Save a Label file (.ezpx)***

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


#### ***Save a Label file (.cmd)***

If you want to save the label with “.txt/.cmd” format, please click the icon




to transform the label as “.txt/.cmd” format to the command area.

The “.txt/.cmd” format in command area is able to edit manually by user. If these labels have some unloaded objects, such as graphics, Fonts or non iMotion EZPL printer's commands (such as spherical or round corner, iMotion Label will remind the total amount of illegal object unloading yet, marking white color on the fill-in columns and asking the user for key-in and download. Please follow the instruction to key-in the appropriate object names. (the names must be alphabetical and numbers only).


Please click the icon  in the command area that will save the label in “.txt/.cmd” format to PC.

## Open an Existing File


### ***Open a Label (.ezpx)***

1. Click the icon “Open”  on Generic Tool Set
2. To open an existing file, it is able to preview when the cursor selects it. And then click the “Open” icon in the dialog to open it (or just double click the file name instead). Only the file type “ezpx” created by iMotion Label is able to be opened properly.  
Be noted: Only the “Text/ASCII” format of EZPL commands in the file type of “cmd” is retrievable by iMotion Label but the inside of download objects (graphic, photo, picture and curvature shape) will be missed, that need to recreate on iMotion Label.

### ***Open a Command File (.cmd)***

Click the icon "Open"  in the "Command Area" to open a printer command file (.cmd). If you open a file with other file format, it will be opened with text.

## Printer Setup

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.”

### ***Printer Setup***

- Please select the model name of iMotion barcode printer in the dialog first. If you don't know it clearly, please check the model name on the printer's bottom side that sticks a label with sufficient information.
- All the items are able to make settings 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 adjusted 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 be larger or equal to label height. 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
<b>Model</b>	Select the required printer model, there will be function differentiation according to different models.
<b>Resolution</b>	Printer resolution will be displayed when the model is selected.
<b>Darkness</b>	0~19, the more the figure is, the more the darkness is.
<b>Print Speed</b>	Different printer model with its limited speed range. The bigger the figure is, the higher the speed is.
<b>Stripper</b>	Optional selection.
<b>Label per cut</b>	Set how many labels printing per cut when there is a cutter installed.
<b>Batch Cut</b>	Set cutting by batch when there is a cutter installed.
<b>Printing Mode</b>	Set Thermal Direct or Thermal Transfer printing mode. (When setting Thermal Transfer mode, make sure there is ribbon installed)
<b>Tear off position (mm)</b>	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 which will be set according to different models. Remark 1: Cutter and peeler stop position please refer to the user manual for the setting.
<b>Page Direction</b>	Label format design direction.

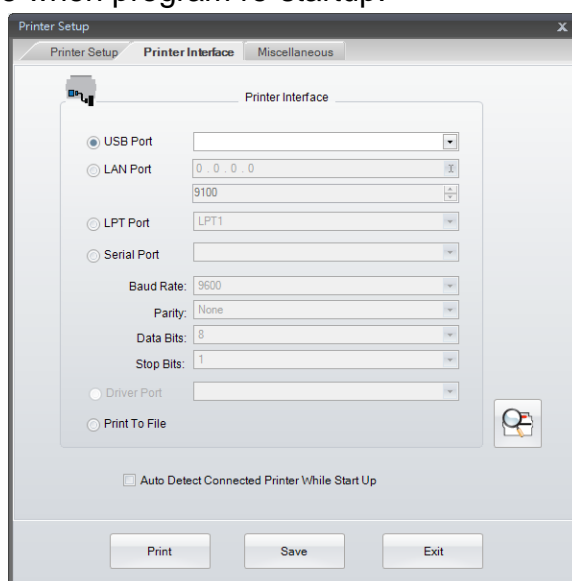
<b>Rotate 180</b>	Print out rotate 180
<b>Copies of Label</b>	Copies of label setting
<b>Number of Label</b>	Number of labels setting
<b>Total No. of Print</b>	Total Printing Pages display

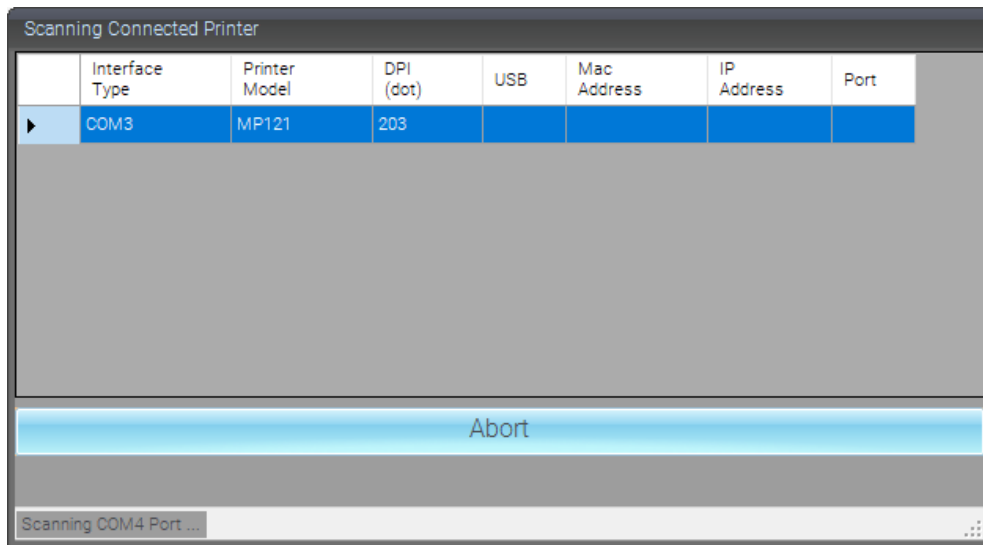
### ***Printer Interface Setup***

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




- Click the icon [Printer Setup] 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 is connected, such as USB, LAN, LPT and Serial Port.
- The user can select “Driver Port” and click the icon  instead, this will automatically detect which model of printer is connected to those ports. Or, the user can choose “Auto Detect Connected Printer on Startup” in the dialog, then iMotion Label will always auto detect the connecting printer on next time when program re-startup.

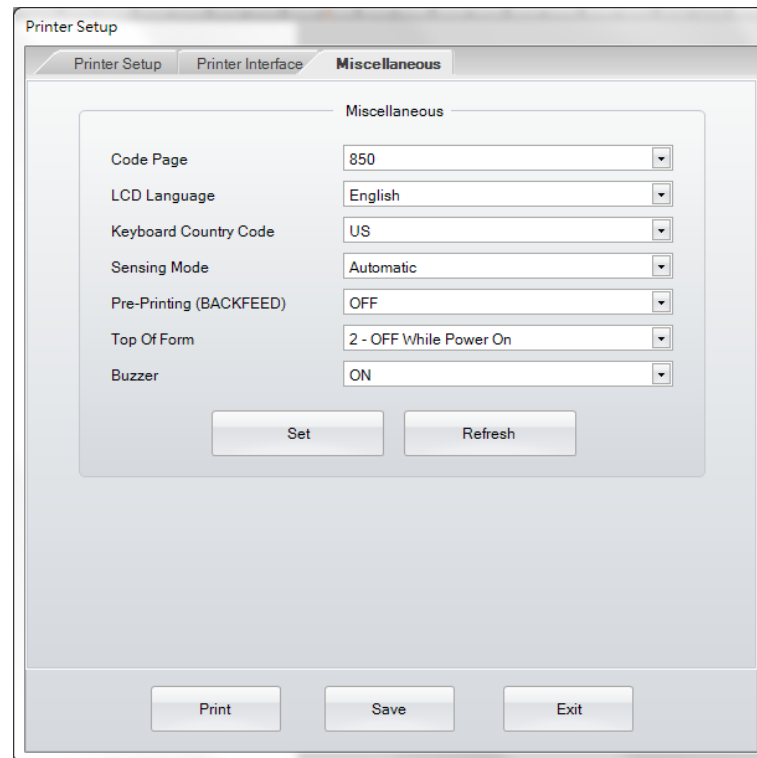




## ***Miscellaneous Settings***



- Click icon [Printer Setup]  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 the user can use functional bar to set the printer.



Item	Function
<b>Code Page</b>	The corresponding table of the Byte data and the Character data, is known as the code page or the inner code table. The software sent to the printer is the bit information, and the printer will be based on the current use of the Code Page, transferring the bit information into character information. Different operating systems require different settings, please refer to the printer technical manual.
<b>LCD Language</b>	Printer with the LCD panel will be available to set the required language displayed.
<b>Keyboard of County code</b>	Set the keyboard country code.
<b>Sensing Mode</b>	There are three sensing-mode settings available: Reflective, See Through or Auto mode.
<b>Pre-Printing</b>	This function must be worked with a cutter or peeler, which can reduce the cutter and peeler processing time. When the first label is being cut or peeled off, the printer

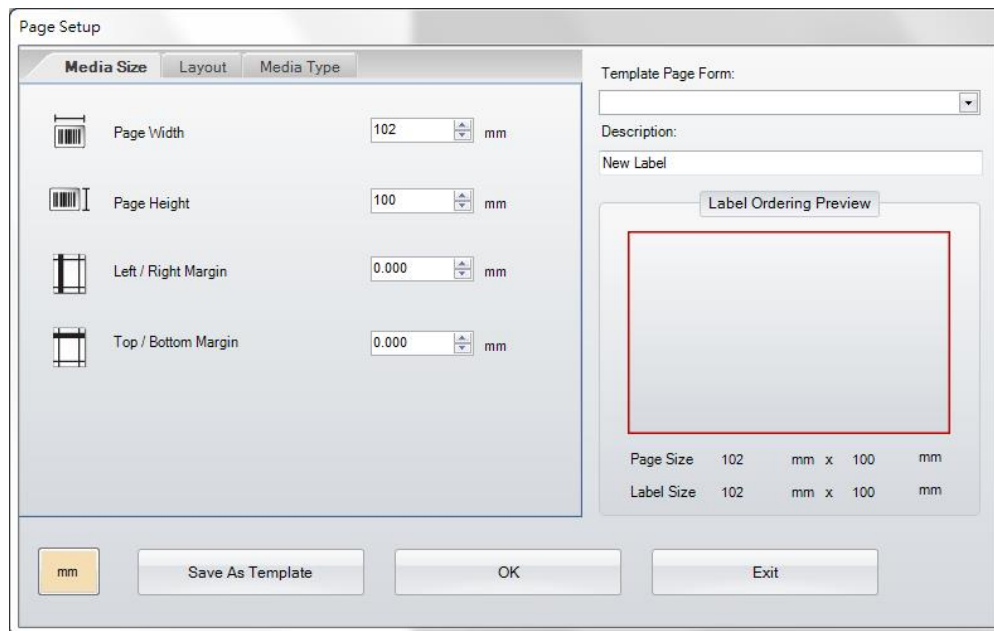
	will print out part of the second label. After cutting or stripping the first label, the printer will continue to print the full content of the second label.
<b>(Top Of Form)</b>	<p>Press the first time when the paper is positioned after the Power On, Door Open, or the error response.</p> <p>When the value is 0: do not do paper positioning and backfeed, print directly.</p> <p>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.</p> <p>When the value is 2: the action is the same as the value 1, but when Power On, it does not work.</p> <p>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.</p> <p>Note: This function does not work when using continuous paper.</p>
<b>Buzzer</b>	Buzzer on or off

## Select Label Size and Media Type

- Click the icon [Page Setup]  on the Generic Tool Set

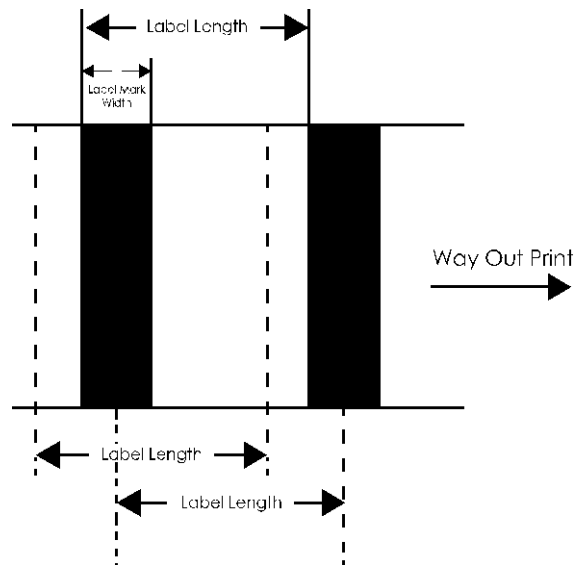
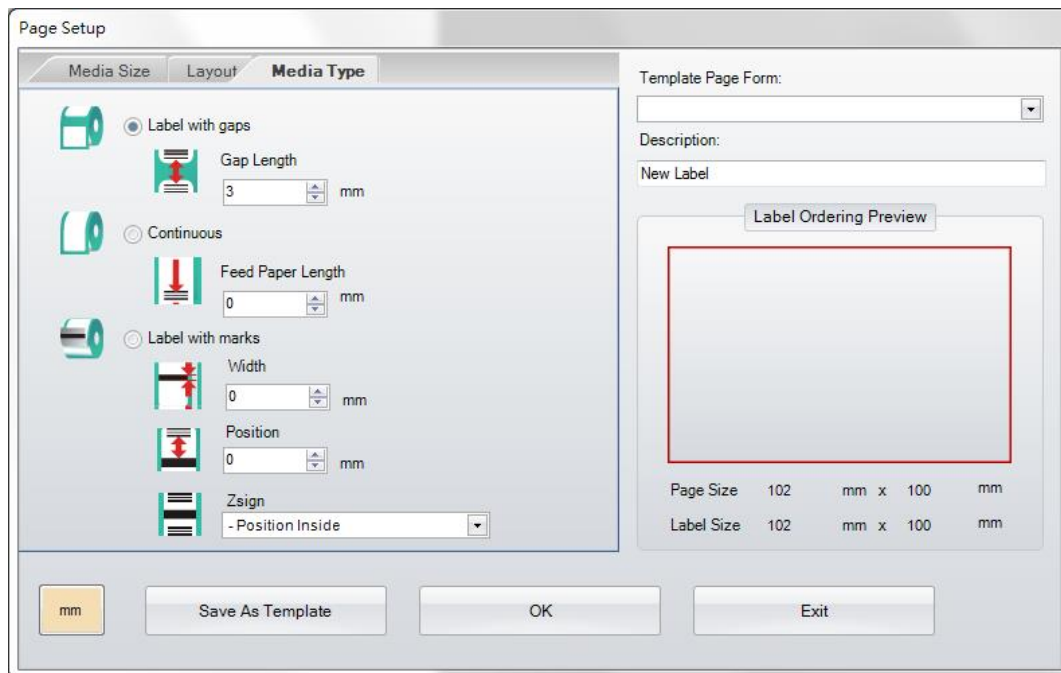
### ***Set up the Media Size***

- 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. Next time when iMotion Label starts up, the 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 units to set up (mm/ cm/ dot/ inch).



### Select Media Type

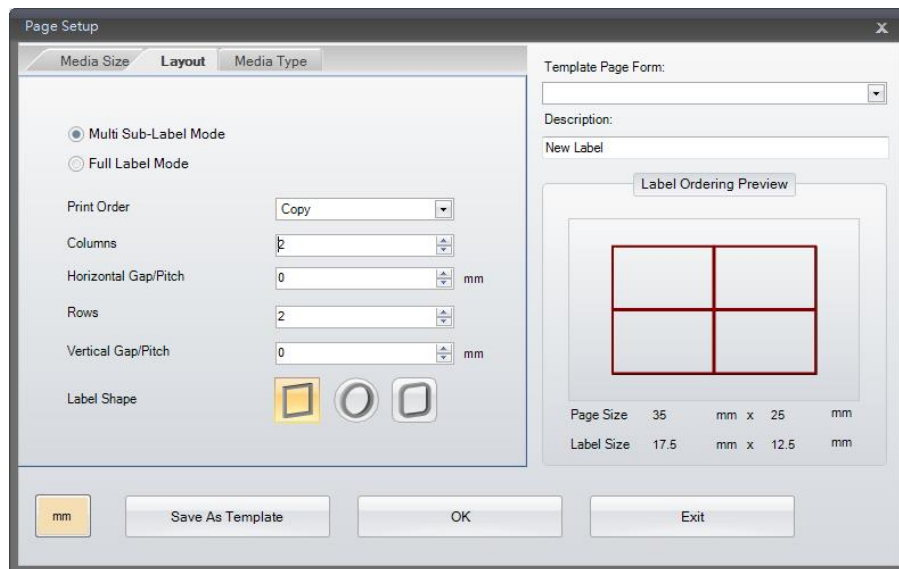
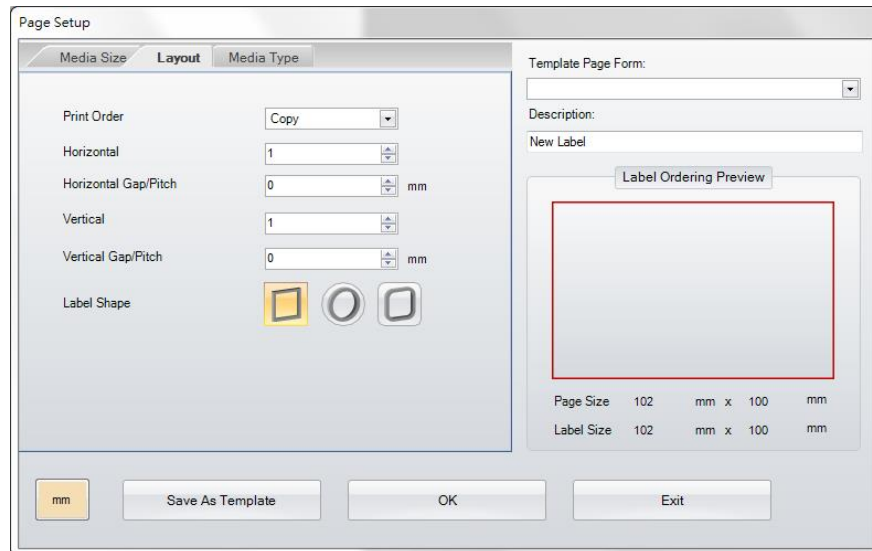
- Label with gaps: A sticking label with liner. Every label has a gap in between, called gap length.
- Continuous: Like a fax using paper roll. Due to its continuous, it must set a “Feed Paper Length” if the user wants to have a printing gap in between label and label.
- Label with Mark: A label roller. It has a strip (or block) of black mark pre-printed on the back of liner. It needs to set 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.

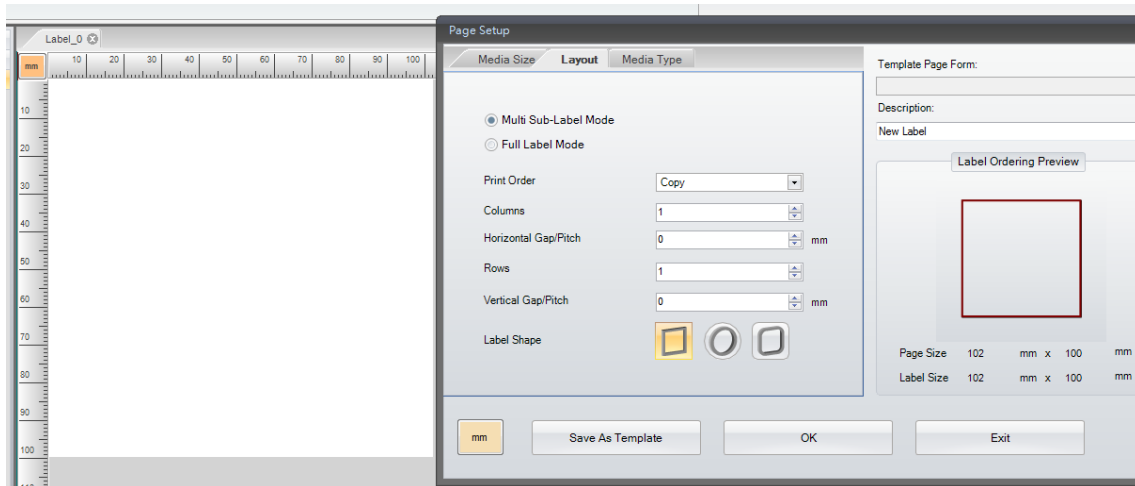
- Label Shape: Three label outer shape is selectable.
- Move the cursor to inside of “Label Ordering Preview” area and click it, then the label shape and order can be changed immediately for the user to preview one by one.



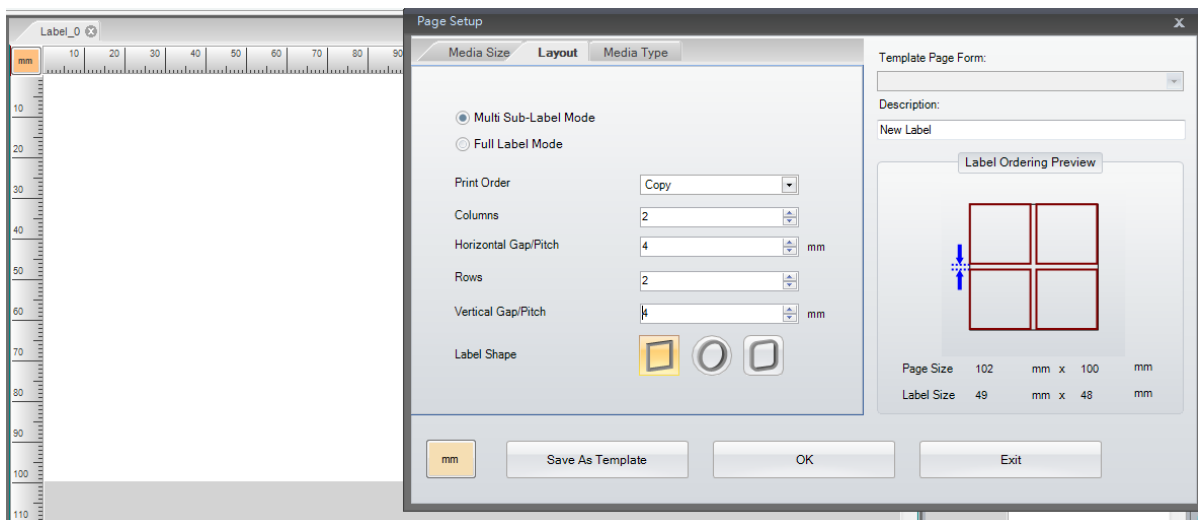
### **Multiple Sub-Label Mode**

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

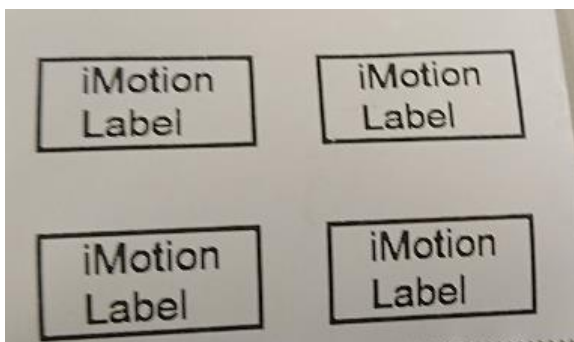
- When the number of horizontal columns and vertical lines is 1, the preview of the label design area is as follows:



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

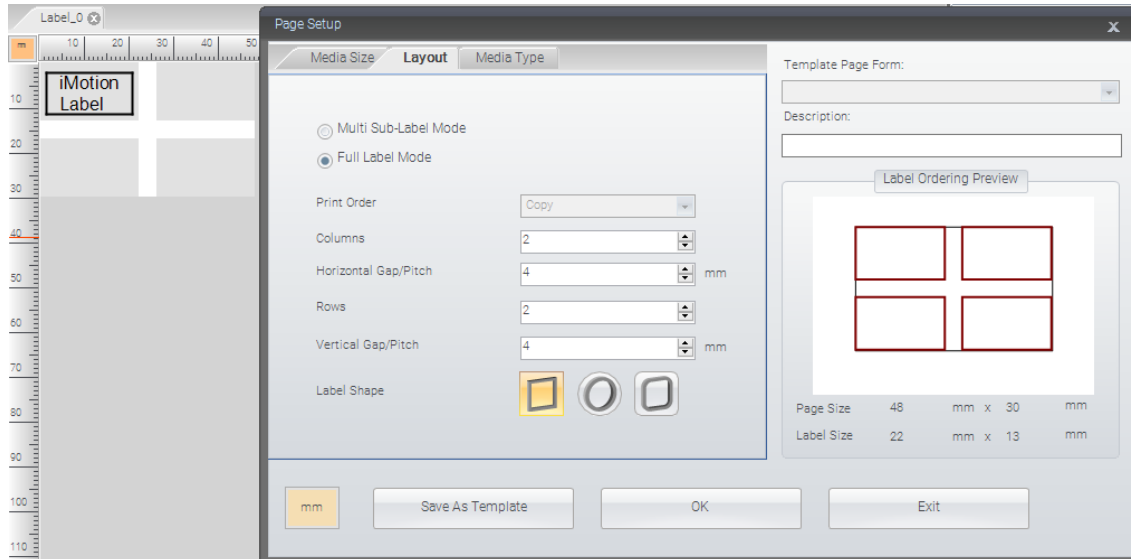


Print out as below:




## **Full Label Mode**

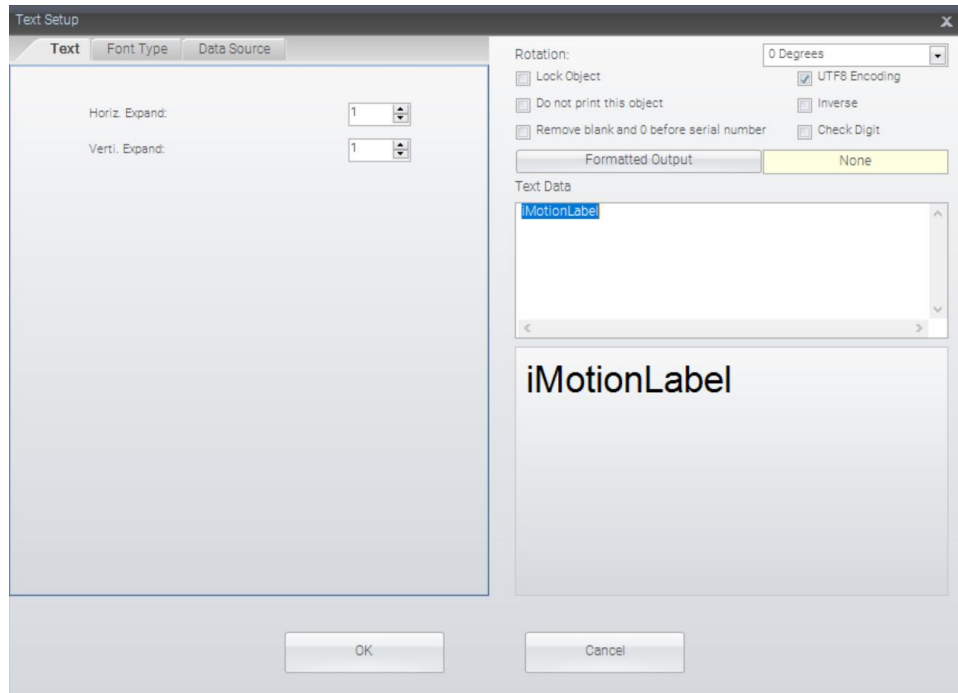
The sub label area set in the label design area is marked as light gray, and only the sub-label of the user's setting is displayed when printing.



## **Create Texts**

### ***Text Setup***

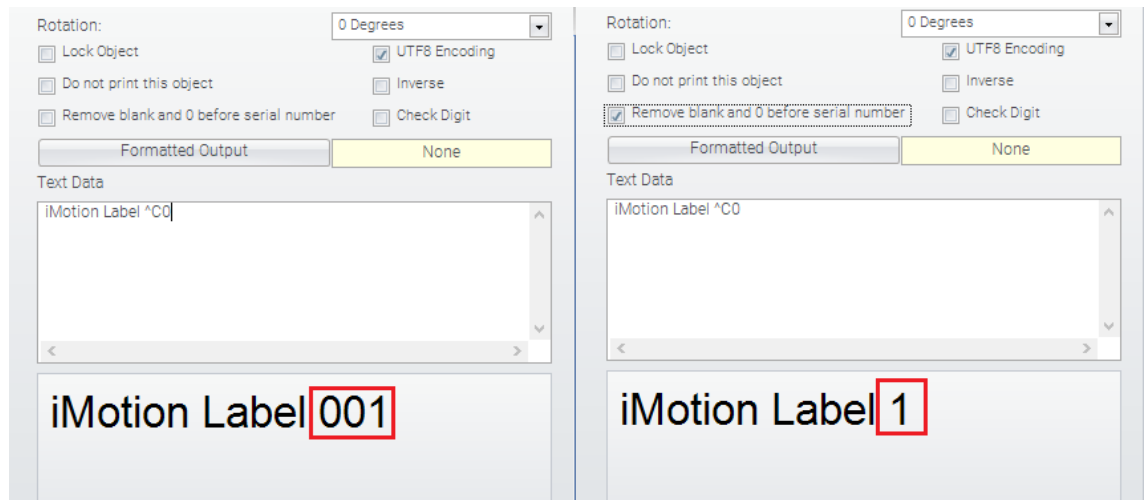
1. Select "Text" in left side of screen, and then click the icon .
2. Move the cursor to where the text will be located and click left key again.
3. There are three icons showing on the "Text Setup" dialog: "Text", "Font Type", and "Data Source".



## Text

In the sub-dialog “Text”, the “Horizontal Expand “and “Vertical Expand” are definable by the user.

- In the right part, it has “Rotation” for Text angle selection, “Text Data” for text key-in and a Preview window.
- **Lock Object:** Label object cannot be edited or moved in Label Design area.
- **Do not print this object:** This object will not be printed.
- **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.

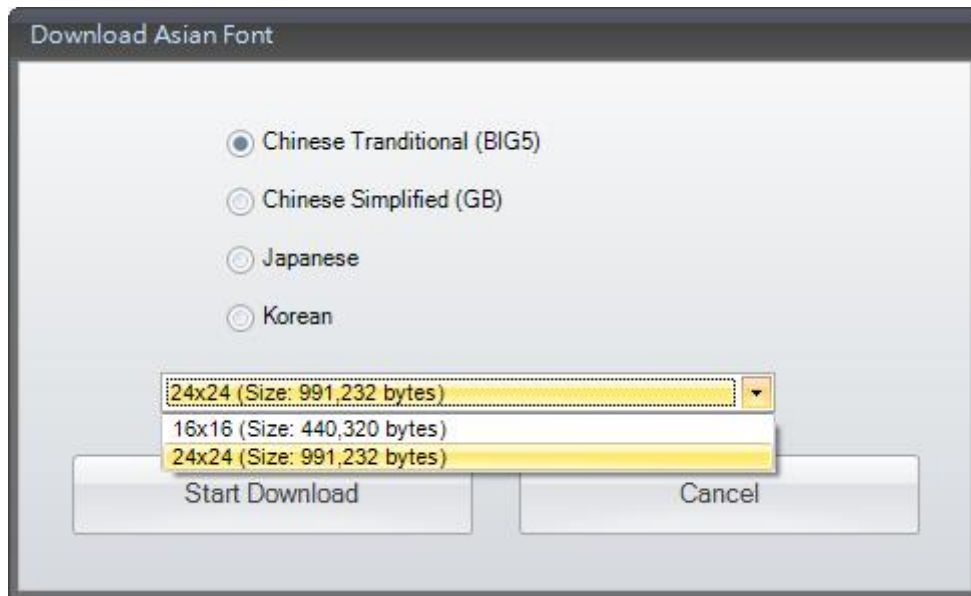


- **UTF8 encoding:** Send data to the printer in UTF8 encoding format. If this item is not checked, it will send the information to the printer according to the current language of the computer operating system.
- **Inverse:** The text in preview and edit area will show in orange color. When print, you can see the text in inverse.
- **Check Digit:** Add check code into the data which are the numbers when printing.

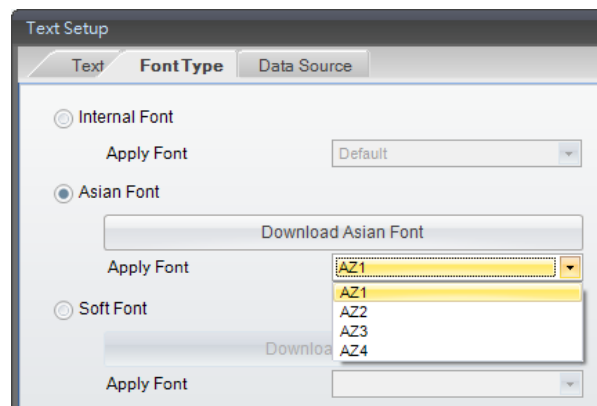
### **Font Type**

In the sub dialog “Font Type”, the 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, the user can choose some Asian font and download it to the printer Flash. 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

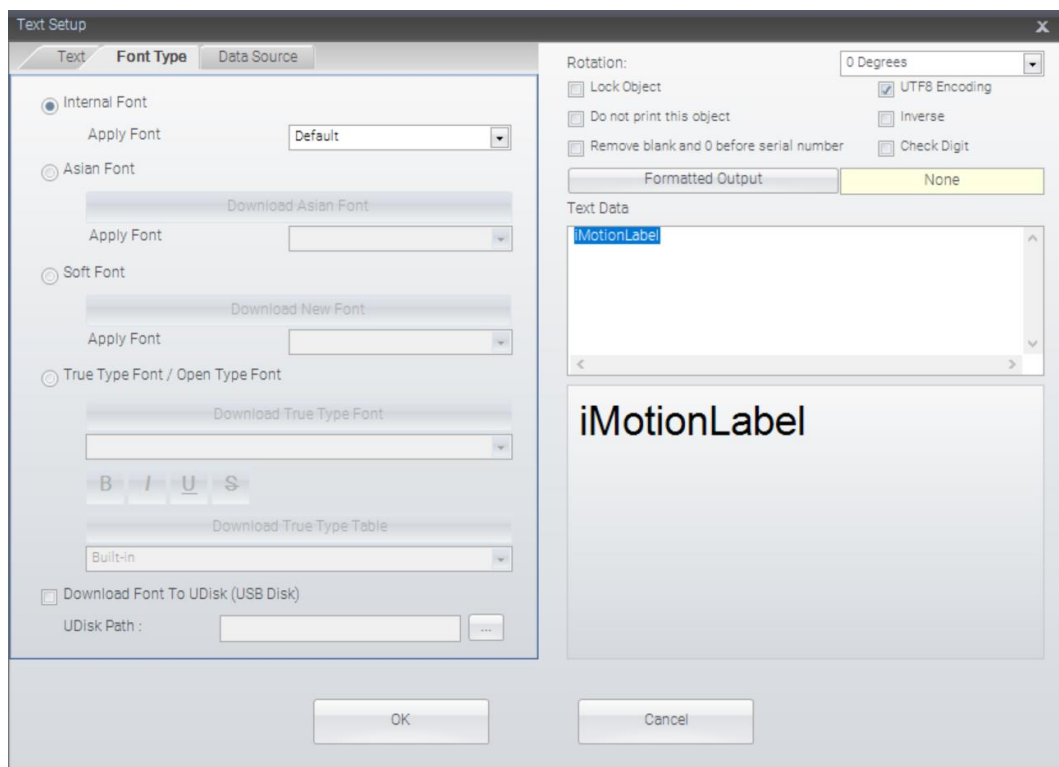
Note 2: When using Asian fonts, you must switch the language of the operating system to the country where you selected the font to print properly.

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 the user to download True Type Font and to download True Type Table which can define its parameters and also supports Multi-Language.
- Below dialogs will be popped up when select “True Type Font” and click “Download True Type Font”; then choose TTF file and download it to printer.
- In the right part, it has “Rotation” for selection, “Text Data” for text key-in and a Preview window. (Details Refer to *Chapter 2: General Operation/Create Texts/ Text Setup*)



### **Data Source**

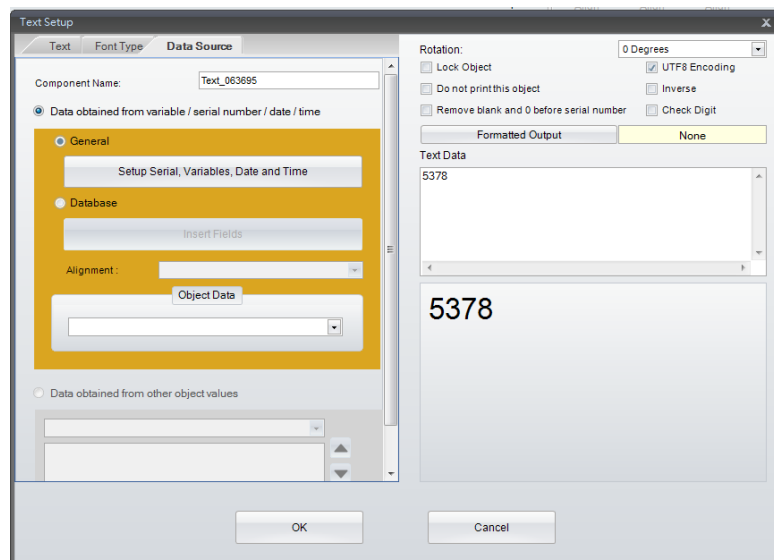
In the sub dialog “Data Source”, the user can select where the text data going to come from - “General” or “Database”

- General: it selects data source of text that is coming from a pop up “self-defining table” that the 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 adopted when the user selects database in “Data Source” sub-dialog. In fact, it also can be created by the icon [Database Select]

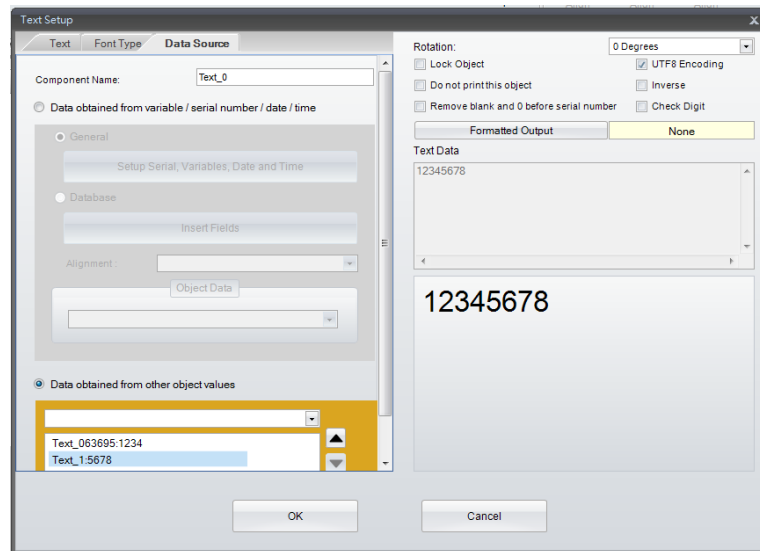


in “Generic Tool Set”.

- The details of how to define serial number, variable and database, please refer to both paragraphs “Variable and Serial Number” and “Database” in the Chapters 3.
- In the right part, it has “Rotation” for selection, “Text Data” for text key-in and a Preview window. (Details Refer to *Chapter 2: General Operation/Create Texts/ Text Setup*)
- When there is any object built in the same label, it can be chosen while scrolling down of the “Object Data”. It can be used to add onto current text or barcode input data.



- Data obtained from other object values:  
The value of Text A is 1234  
The value of Text B is 5678  
If using “Data obtained from other object values” for Text C, the data is from Text A and Text B. Then the value of Text C will become 12345678. When the value of Text A and Text B change, the value of Text will change at the same time.



## Windows Fonts

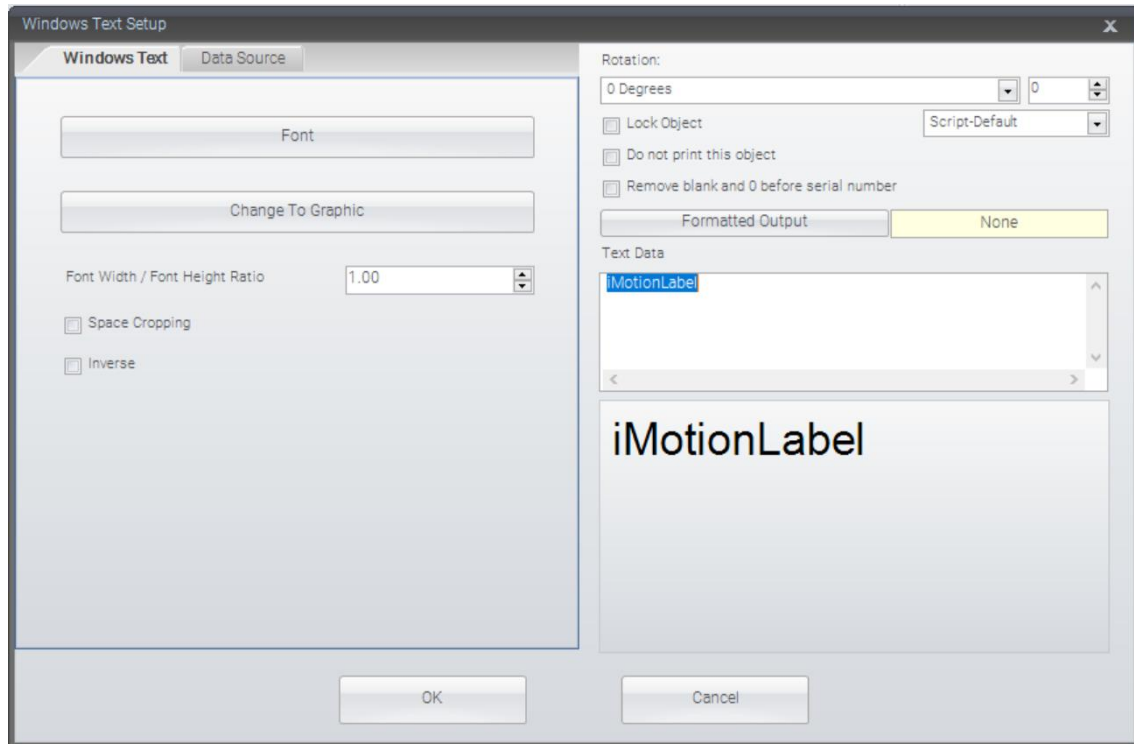
iMotion Label supports Windows Fonts but has some limitations due to these fonts are created truly by dot-matrix and not like other fronts that built-in on the printer.

- Select “Text” in left side of screen, and then click icon [Windows Text]



in the “Object Tool Set”, move the 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 using “Lock Object”, label object cannot be edited or moved in Label Design area.
- In case it “Changed to Graphic”, then the text will convert to “Graphic Object” and then download to printer memory. This will be helpful to speed up the put-through-time, but it can’t be edited anymore when it has been changed to Graphic.
- The font width and height ratio can be adjusted by setup “Font Width / Font Height Ratio”.
- If using “Space Cropping”, it will remove the space above and under the text to make it closed to label edge.
- If using “Inverse”, it will print text in black and white.



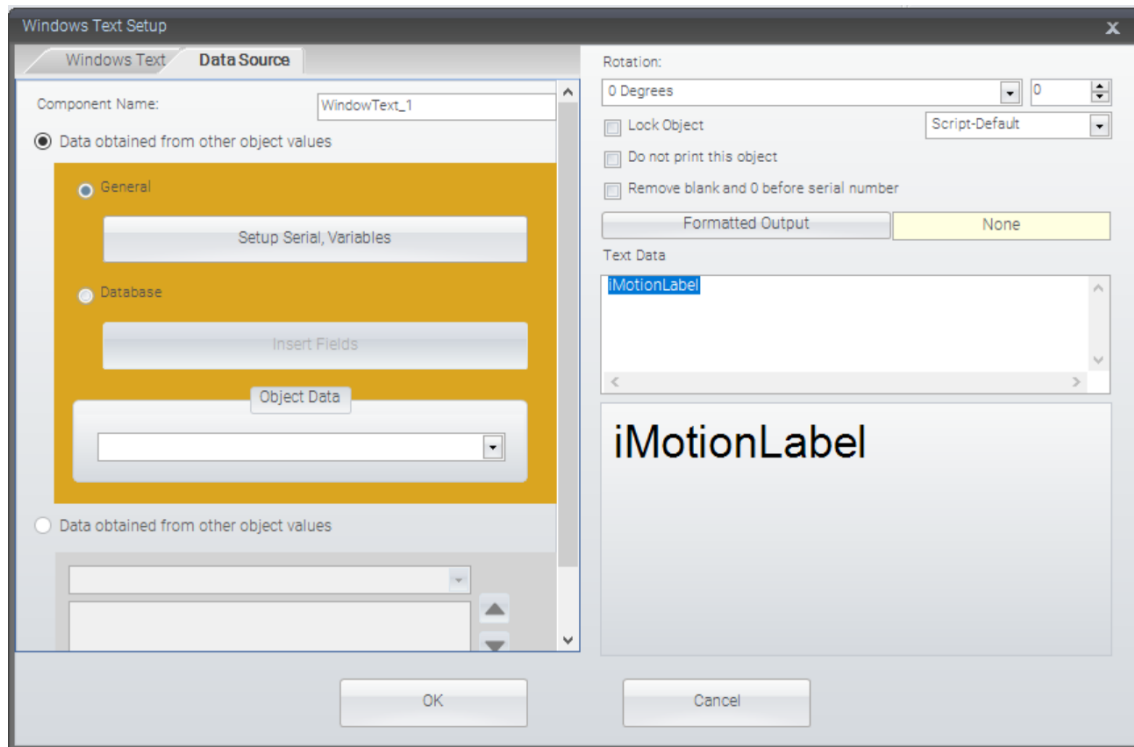
### **Data Source**

In the sub dialog “Data Source”, the user can select where the text data going to come from - “General” or “Database”

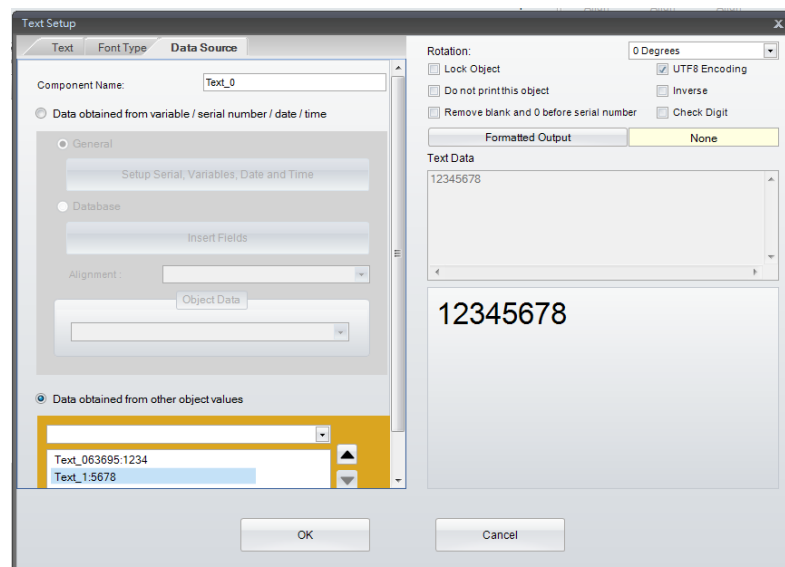
- General: it selects where the “Data Source” of text is coming from, which will pop up a “self-defining table” that the user can define the text stream with serial number, variable, data and time.
- Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopted when the user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

Select  “Database Query” in “Generic Tool Set”.

- The details of how to define serial number, variable and database, please refer to both paragraphs “Variable and Serial Number” and “Database” in the *Chapter 3: Advanced Operation*.
- When there is any object built in the same label, it can be chosen while scrolling down of the “Object Data”. It can be used to add onto current text or barcode input data.



- Data obtained from other object values:  
The value of Text A is 1234  
The value of Text B is 5678  
If using “Data obtained from other object values” for Text C, the data is from Text A and Text B. Then the value of Text C will become 12345678.  
When the value of Text A and Text B change, the value of Text will change at the same time.



## ***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. When the 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. The printer 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, and size.
- Turn into graphics mode: convert into a map and save. The user can no longer modify the data content.
- Line Spacing Settings: set the line and line spacing, paragraph and paragraph spacing
- If using “Lock Object”, label object cannot be edited or moved in Label Design area.

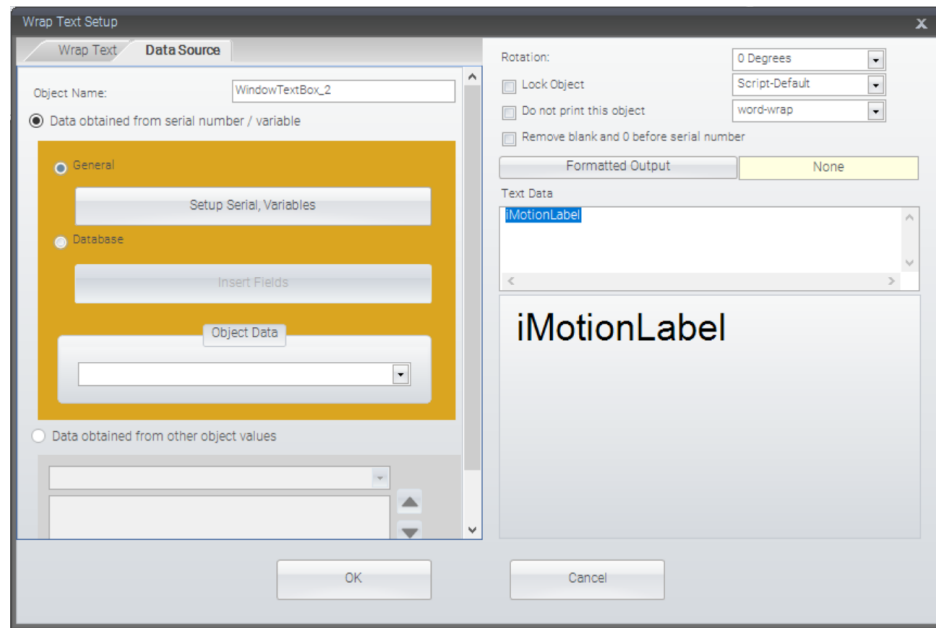
## **Data Source**

In the sub dialog “Data Source”, the user can select where the text data going to come from - “General” or “Database”

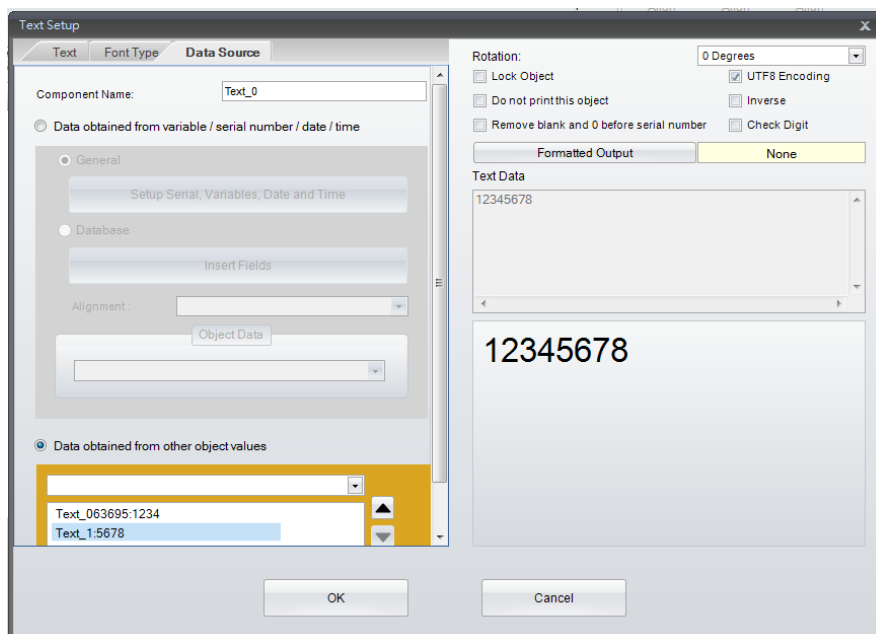
- General: it selects where the “Data Source” of text is coming from, which will pop up a “self-defining table” that the user can define the text stream with serial number, variable, data and time.
- Database: There are six databases (SQL, Access, Oracle, Excel, TxT, DBF) can be adopted when the user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

Select]  in “Generic Tool Set”.

- The details of how to define serial number, variable and database, please refer to both paragraphs “Variable and Serial Number” and “Database” in the *Chapter 3: Advanced Operation*.
- When there is any object built in the same label, it can be chosen while scrolling down of the “Object Data”. It can be used to add onto current text or barcode input data.

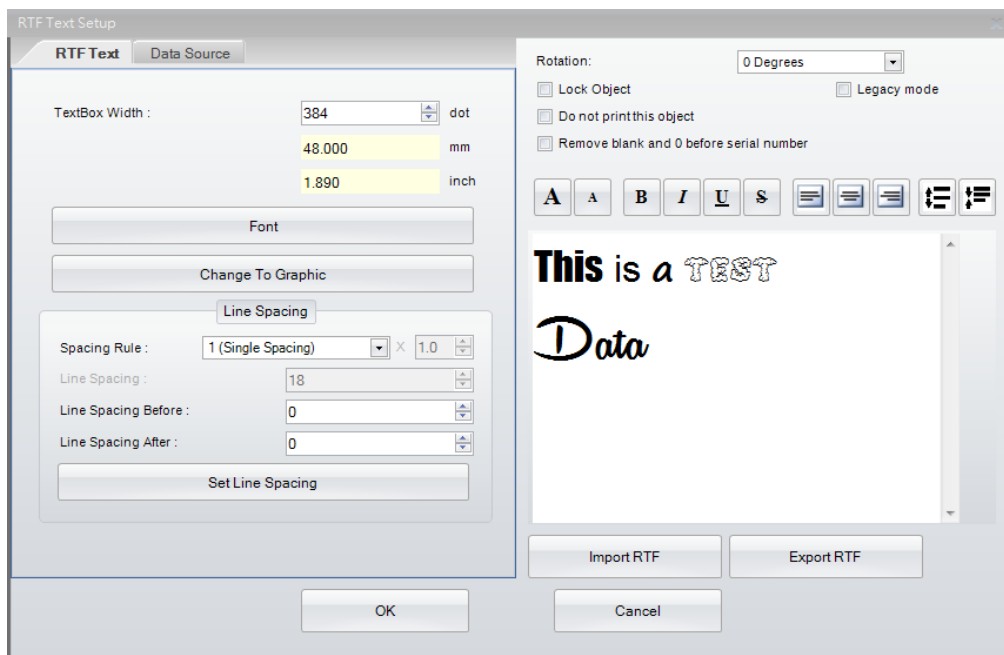


- Data obtained from other object values:  
The value of Text A is 1234  
The value of Text B is 5678  
If using “Data obtained from other object values” for Text C, the data is from Text A and Text B. Then the value of Text C will become 12345678.  
When the value of Text A and Text B change, the value of Text will change at the same time.



## RTF Text

This function is able to 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.

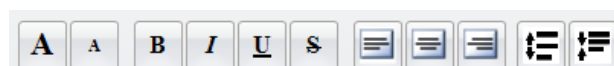


## General Setting

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 :

Export the RTF file and the text in the imported RTF file.

## RTF Text

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

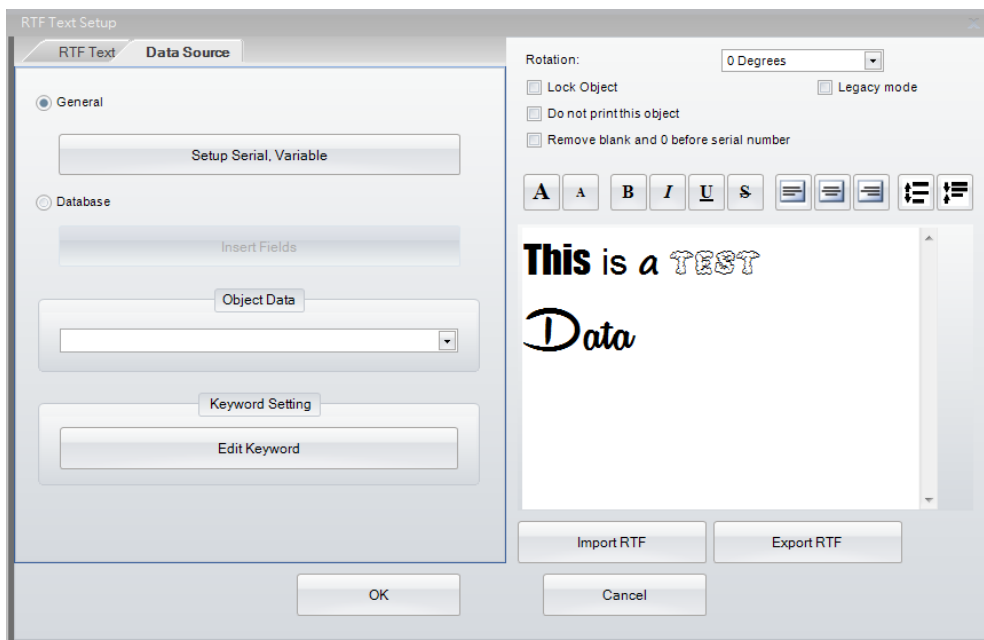
**Font:** select Windows fonts, font style, and size.

**Turn into graphics mode:** convert into a map and save. The user can no

longer modify the data content.

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

## Data Source



- General :

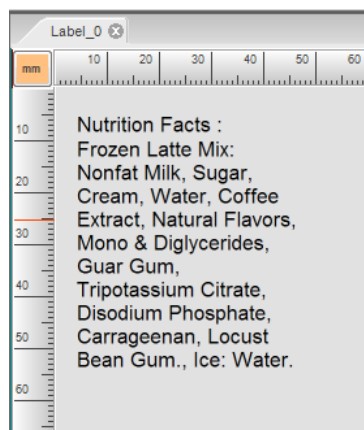
Please refer to *Chapter 2: General Operation/Create Texts/ Text Setup*

- 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.

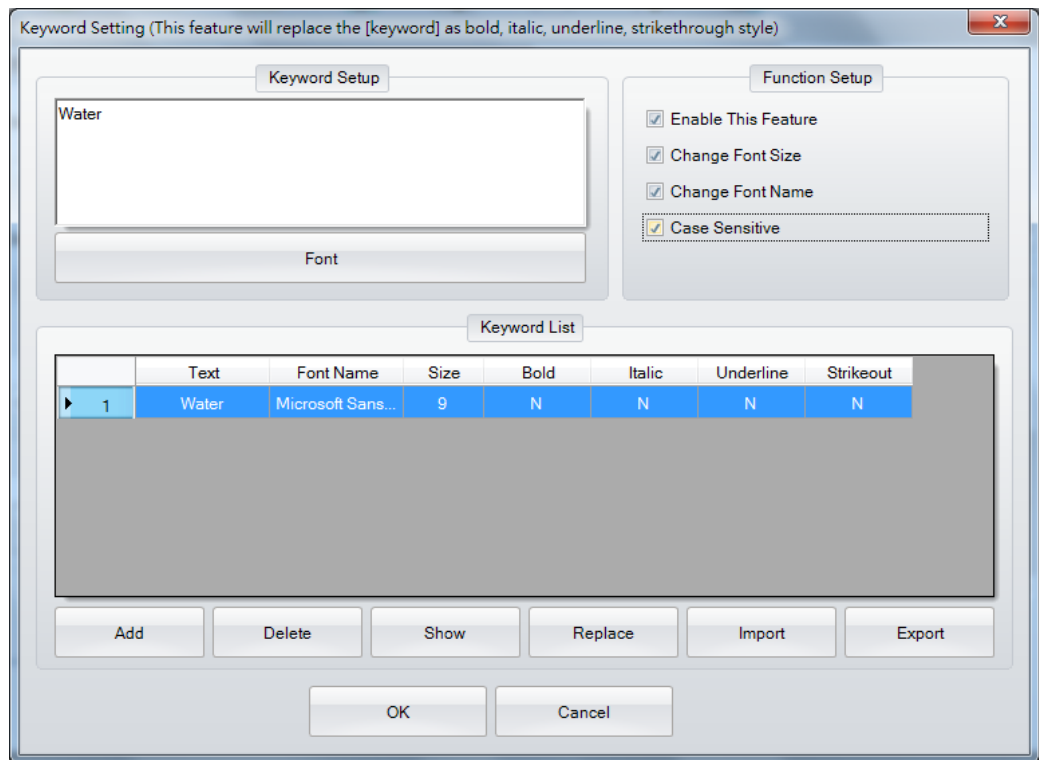
**Process as below:**

1. The contents of RTF as below:

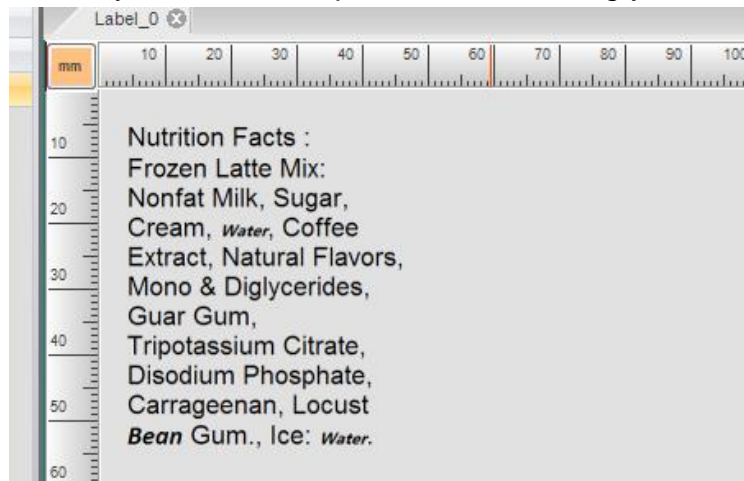


2. In Keyword Setting, type the keyword that you want to change the

font size, font name, case sensitive (as below figure)



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



## Create a Barcode

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

“Object Tool Set”, and move the cursor to the location that the Barcode will be located and click left key again.

There are three sub-dialogs in the “Barcode Setup” – Symbology, Text Settings, and Data Source

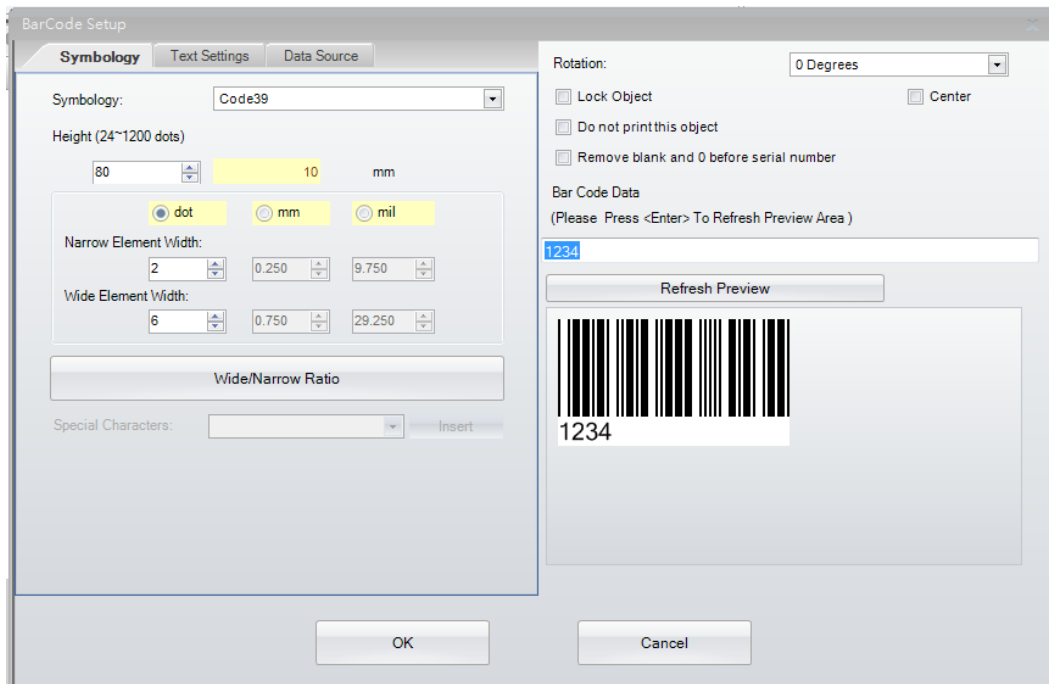
- Barcode height, and width / narrow ratio, will affect the correctness of barcode printing and CCD reading, therefore it is important to consider the barcode standard when setting.
- The contents of the data must be pressed after Enter or update preview, then the preview will change.

## **Symbology**

- In the Symbology sub-dialog, choose the barcode type first and then define its Height, Narrow, Width, and Width/Narrow Ratio. Be sure to design a corrective barcode for scanner reading.(Only Barcode, GS1 Data Bar Code, CADABLOCK F)
- 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.
- Lock Object: label object cannot be edited or moved in Label Design area.
- Center : When printing, the barcode is printed relative to the width of the label.
- Do not print this object: this object will not be printed.
- 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 completion of defining 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 that can be referenced if someone has no idea how to design the barcode.
- AI Wizard (Only Barcode/ EAN-128, QR Code, GS1 Databar): see AI Wizard paragraph for further instructions. Refer to *Chapter 5: Barcode Application*.
- UTF8 Encoding (Only QR Code): Use UTF8 encoding to create barcodes.

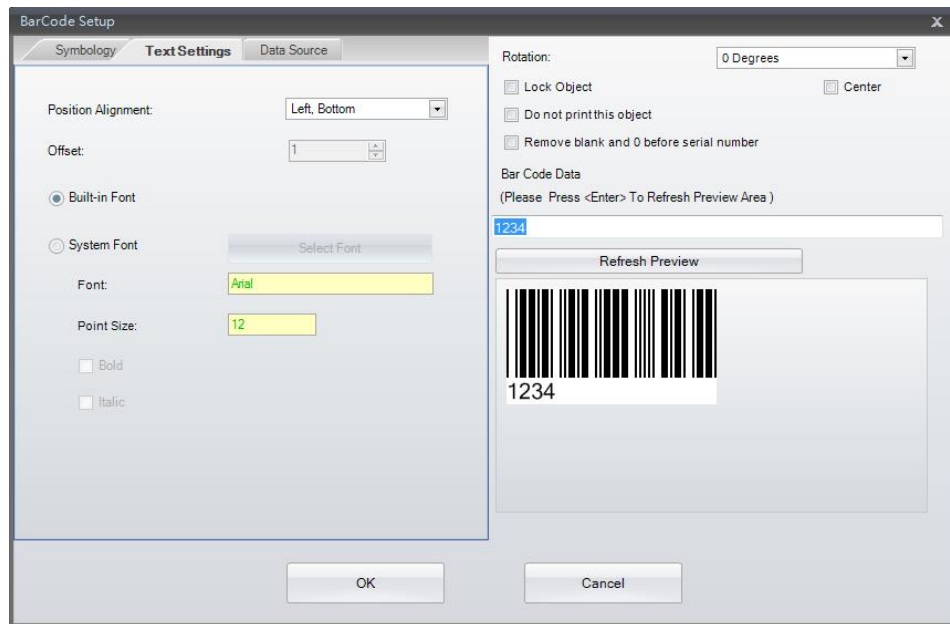
If the content is only English and digital, there is no difference when this item is selected. The content contains special text (eg. Chinese) and requires a specific barcode scanning tool to display the content.

- GS1 Format(QR Code Only): to change QRcode to GS1 Format, please select “GS1 Format”.



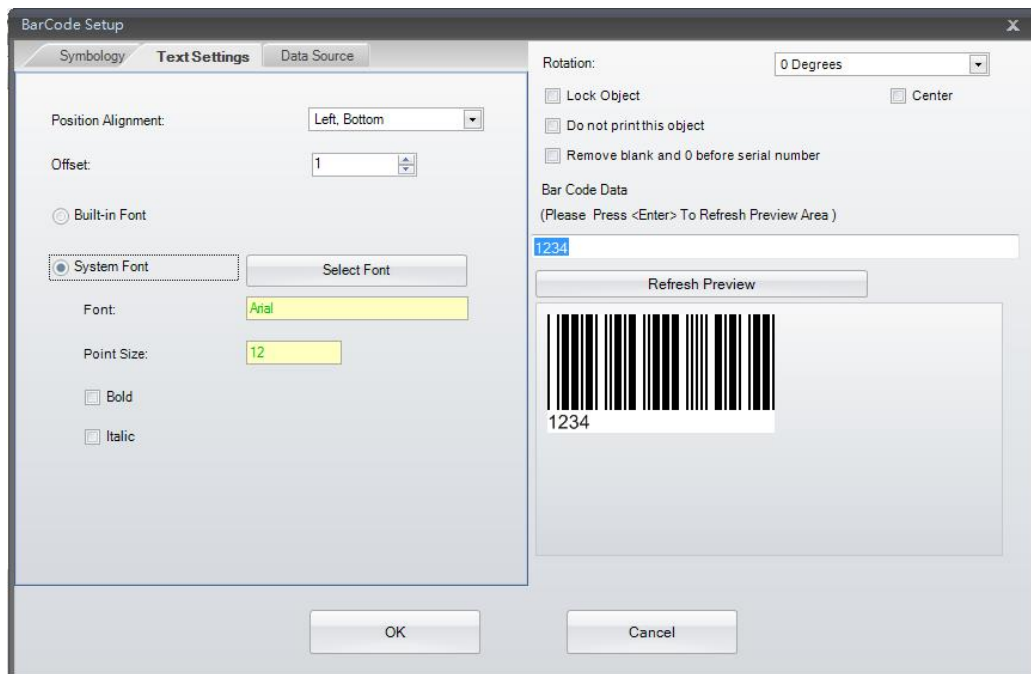
## Text Settings

- 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 *Chapter 2: General Operation/Create Texts/ Text Setup*.



- Font

It supports “Built-in Font” and “System Font”. If going to change the font/ point size/ Bold or Italic, please choose “ System Font”.



## Data Source

In the sub dialog “Data Source”, the user can select where the data source will

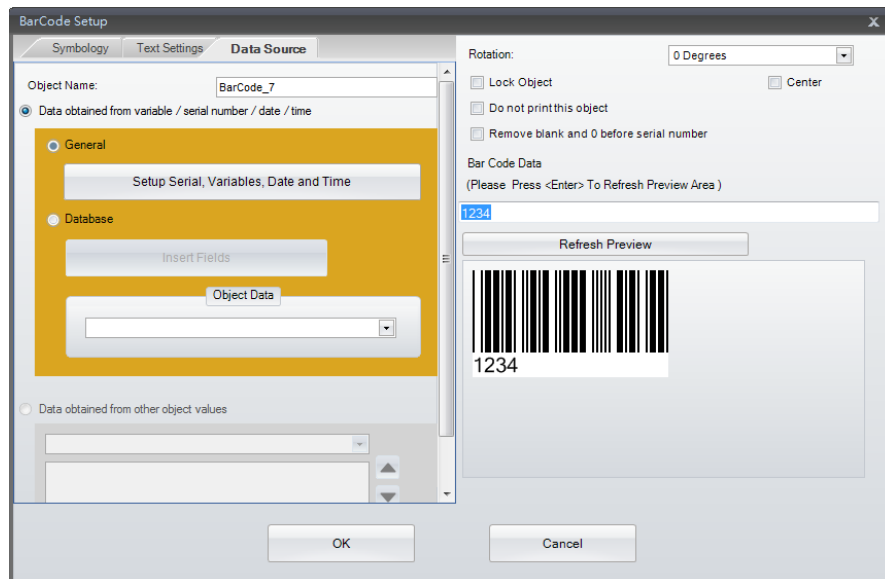
be linked to Barcode - “General” or “Database”

- General: it selects where the “Data Source” of Barcode is coming from, which will pop up a “self-defining table” that the 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 adopted when the user selects database in “Data Source” sub-dialog. In fact, it also can be created by the icon [Database Select]



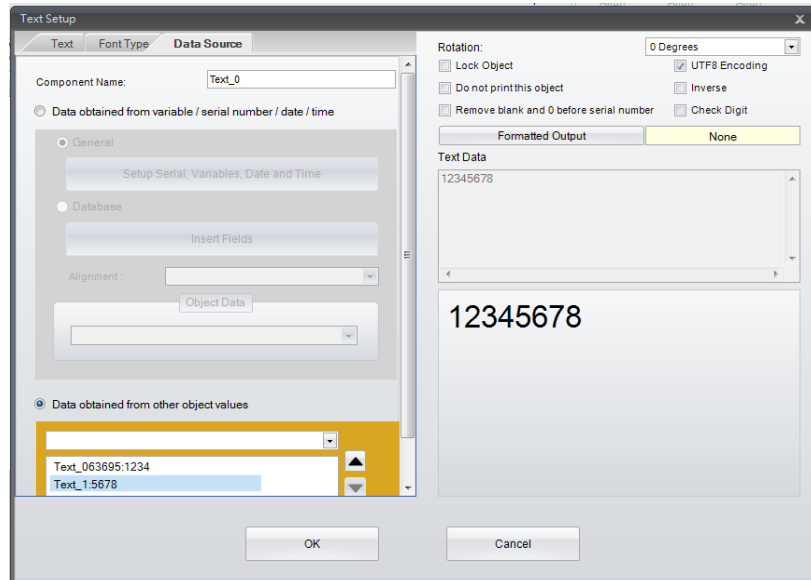
“Database Query” in “Generic Tool Set”.

- The details of how to define serial number, variable and database, please refer to both paragraphs “Variable and Serial Number” and “Database” in the *Chapter 3: Advanced Operation*.
- Rotate: General Setting , refer to *Chapter 2: General Operation/Create Texts/ Text Setup*
- When there is any object built in the same label, it can be chosen while scrolling down of the “Object Data”. It can be used to add onto current text or barcode input data.



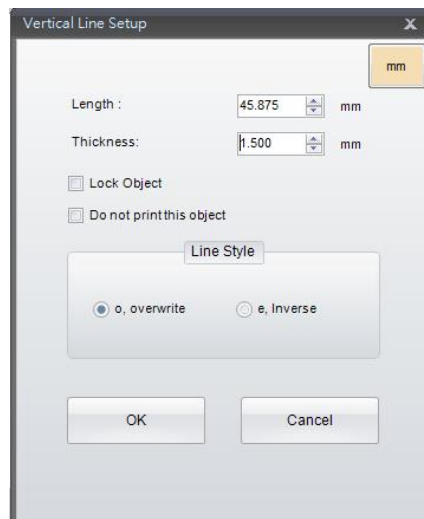
- Data obtained from other object values:  
The value of Text A is 1234  
The value of Text B is 5678  
If using “Data obtained from other object values” for Text C, the data is from Text A and Text B. Then the value of Text C will become 12345678.

When the value of Text A and Text B change, the value of Text will change at the same time.

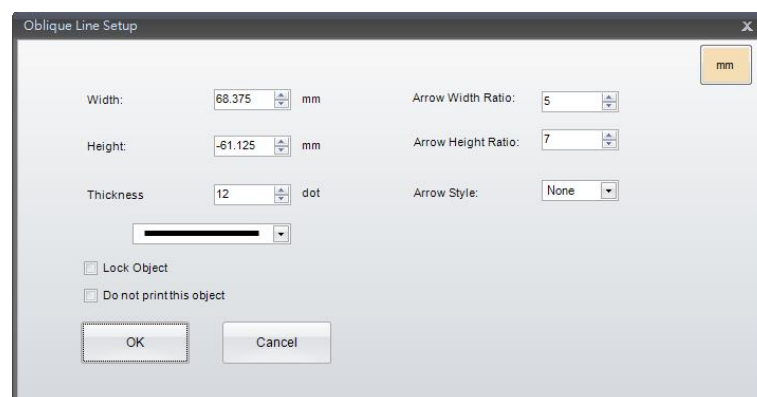


## Drawing Shapes


- Select “Shape” in left side of screen, and then click the icon.
- Move the cursor to the location where the first point of the shape 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 the shape that will pop up a “Setup” dialog for further editing.
- Users can be based on different units to set up (mm/ cm/ dot/ inch).
- Default “Line Style” is overwrite; if using “Inverse”, overlapping with the object will be printed in inversed. (Only Horizontal Line, Vertical Line and Oblique Line, Rectangle)

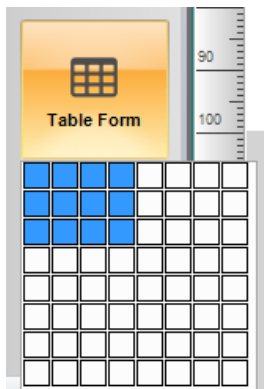


- For Oblique Line, it can set up ‘Arrow Style” and furthermore to adjust arrow aspect ratio according to line width and change arrow size.

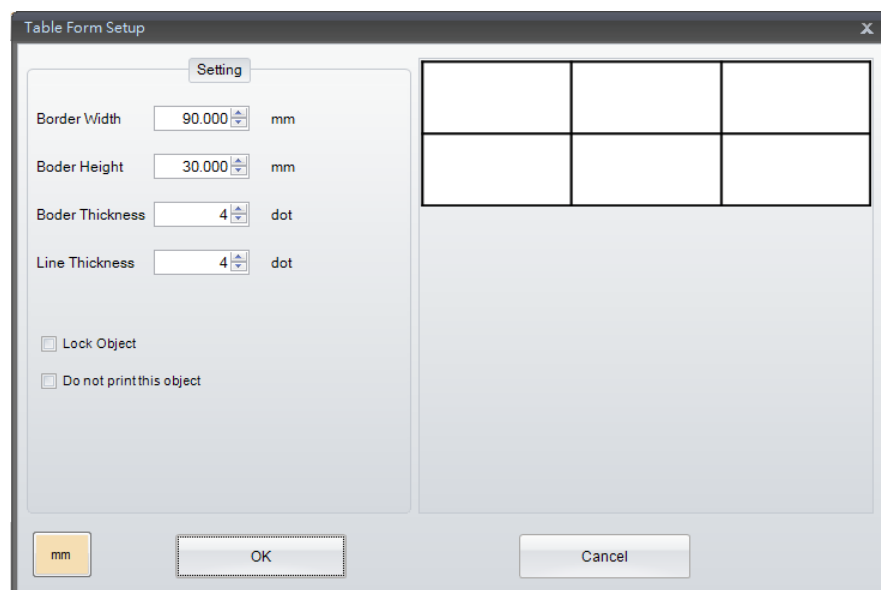


## Drawing Table Form


- Select “Shape” in left side of screen, and then click the icon  for Table Form making.
- It will show a table under the icon as below. Move the cursor to decide number of rows and columns of the table and click left key to confirm the table size. Then move the cursor to the location that “Table Form” will be located and click left key again.




- The object’s location is movable and adjustable by mouse with left key dragging while it’s being selected.
- Double click the Table that will pop up a “Setup” dialog for the width, height, thickness, and line thickness editing.
- Users can be based on different units to set up (mm/ cm/ dot/ inch).



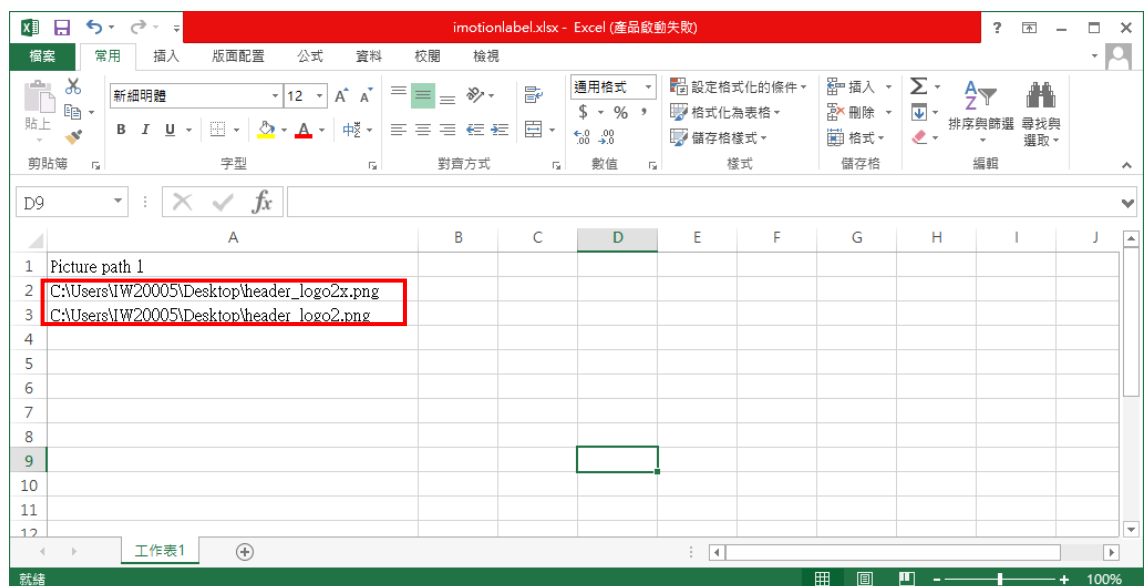
## Create Graphic

1. Select “Graphic” in left side of screen, and then click the icon  for Graphic creating.
2. Move the cursor to the location where the “Graphic” will be creating, and press left key of mouse then.
3. In the Graphic dialog, select “Graphic Source,” then it will pop up a sub-dialog to load graphic/image from either - file, clipboard or a downloaded graphic.
4. Select the downloaded graphic in printer, the user can choose where the Graphic going to come from - “General” or “Database”
  - General: it selects “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 adopted when the user selects database in the dialog. In

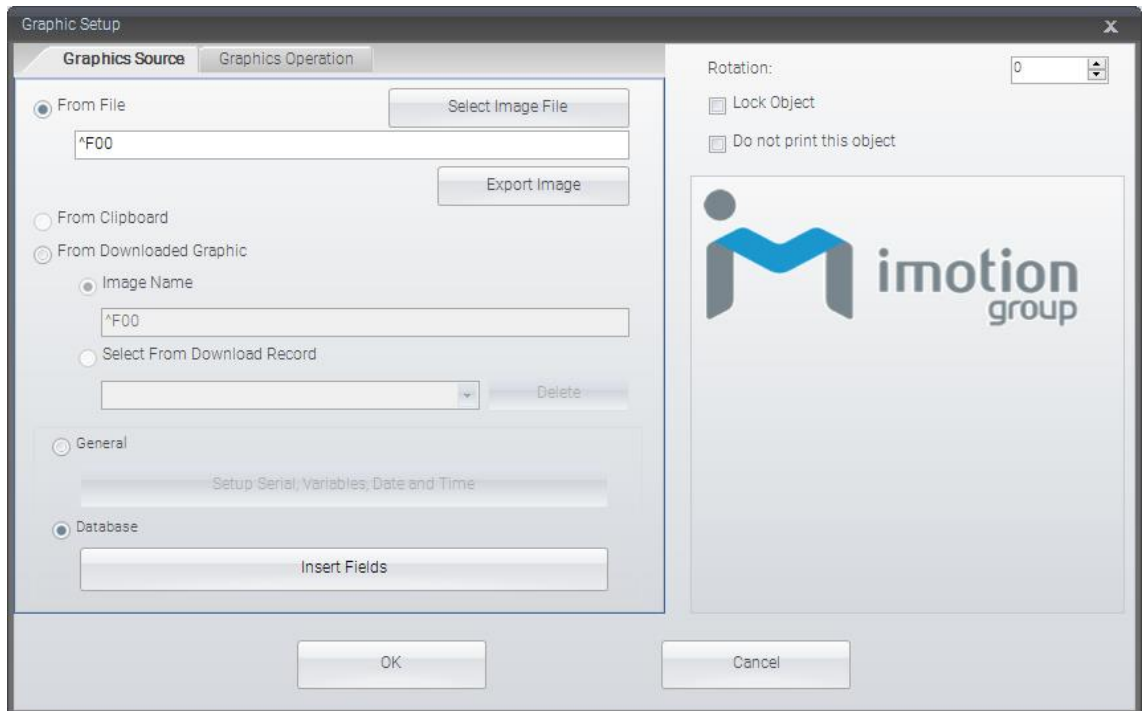
fact, it also can be created by the icon [Database Select]  in “Generic Tool Set”.

### EX :

1. Set up the graphic path into Excel file.




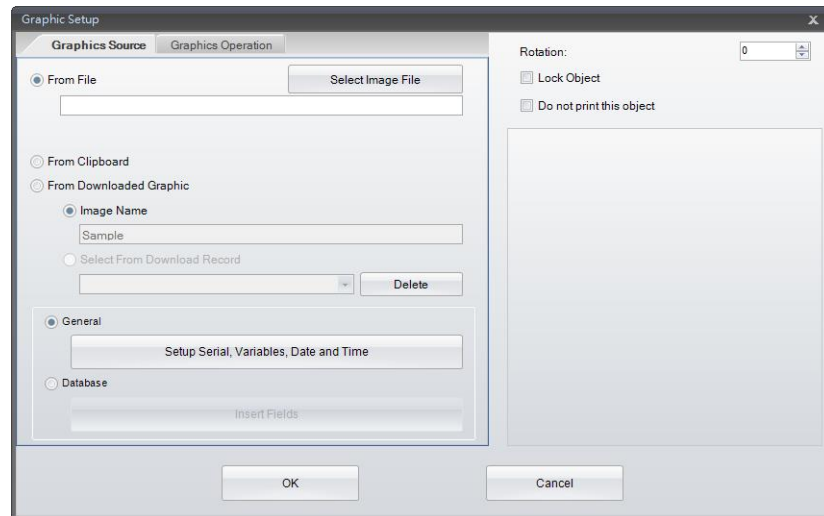
About the database operation, please refer to the database link paragraph. When selecting the database, the preview will show the 1<sup>st</sup> column Graphic.



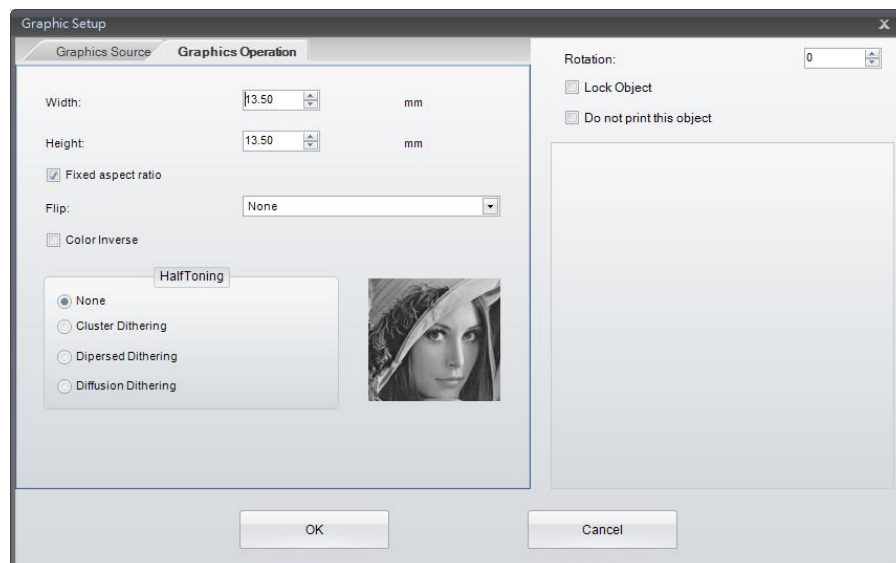
- The details of how to define serial number, variable and database, please refer to both paragraphs “Variable and Serial Number” and “Database” in the *Chapter 3: Advanced Operation*.

2. To remove/delete the printer’s saved “Graphic”, please go on the

“Advanced Tool Set”, which has an icon  “Delete Printer Object”.



3. In the sub-dialog “Graphic Operation”, the graphic can be defined and/ or processed with width, height, fixed aspect ratio, rotation angle and color.



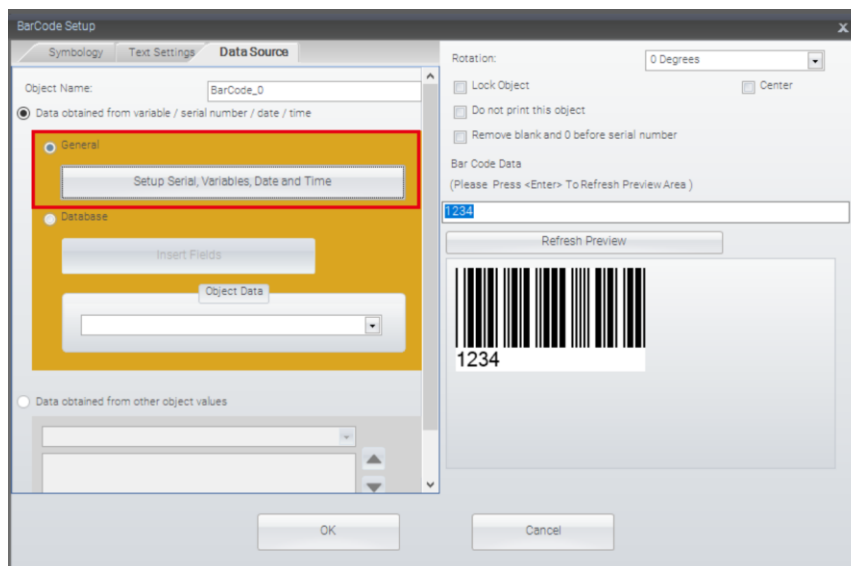
## Chapter 3: Advanced Operation

---

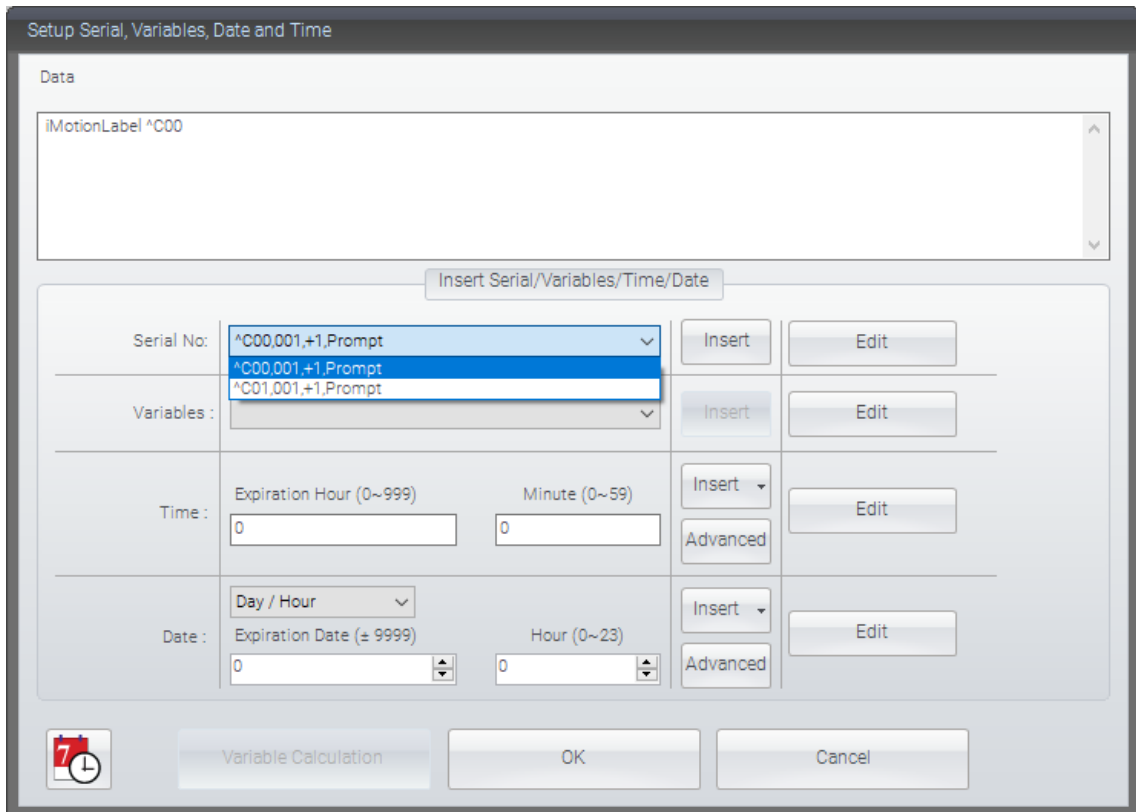
### Using Serial Number

#### ***Open Serial Number Dialog***

1. 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 3<sup>rd</sup> level dialog respectively.



2. Click “Edit” in the dialog of “Setup Serial, Variable, Date, Time” to open a 4<sup>th</sup> level dialog “Serial Number Settings”. After Editing, please select which one and click “Insert” to insert serial number to the Object.



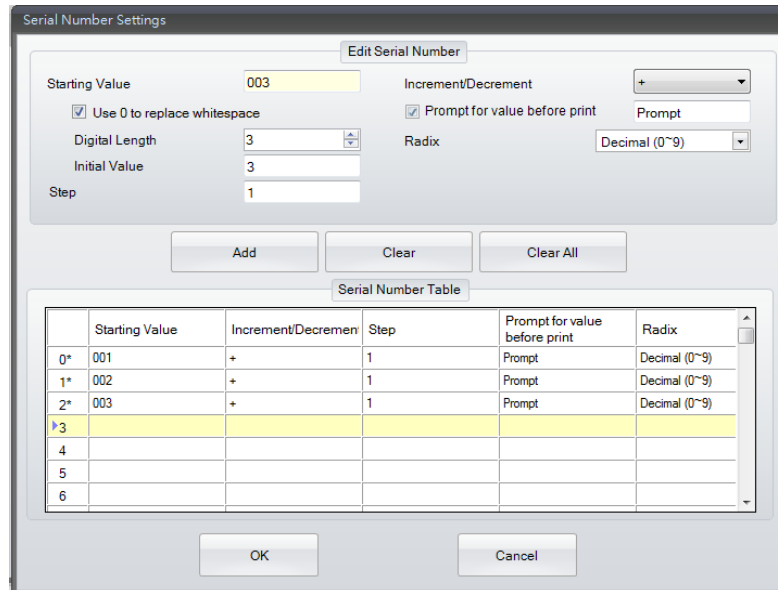
### Create Serial Number

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

### For Example (make three S/N in a text stream iMotion Label)

- **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 one of Serial Number first and click “Insert”, repeat select C0, C1 and C2 then,
- The result is “iMotion Label ^C0 ^C1 ^C2”. (A space is manually inserted in between the S/N 0, 1 and 2)
- The Print Out is first label “iMotion Label 001 002 003”, second “iMotion Label 002 003 004”, third “iMotion Label 003 004 005”, etc.



The dialog box titled "Serial Number Settings" contains an "Edit Serial Number" section with the following fields: Starting Value (003), Increment/Decrement (+), Use 0 to replace whitespace (checked), Digital Length (3), Initial Value (3), Step (1), Prompt for value before print (checked), and Radix (Decimal (0~9)). Below these are buttons for Add, Clear, and Clear All. A "Serial Number Table" is shown with columns: Starting Value, Increment/Decrement, Step, Prompt for value before print, and Radix. The table contains rows for 0\* to 6, with row 3 highlighted. At the bottom are OK and Cancel buttons.

	Starting Value	Increment/Decrement	Step	Prompt for value before print	Radix
0*	001	+	1	Prompt	Decimal (0~9)
1*	002	+	1	Prompt	Decimal (0~9)
2*	003	+	1	Prompt	Decimal (0~9)
3					
4					
5					
6					

## Editing Serial Number

- Double click the Object that the serial number will be modified.
- 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.

Serial Number Settings

Edit Serial Number

Starting Value: 003 Increment/Decrement: +

☒ Use 0 to replace whitespace ☒ Prompt for value before print Prompt

Digital Length: 3 Radix: Decimal (0~9)

Initial Value: 3

Step: 1

Add Clear Clear All

Serial Number Table

	Starting Value	Increment/Decrement	Step	Prompt for value before print	Radix
0*	001	+	1	Prompt	Decimal (0~9)
1*	002	+	1	Prompt	Decimal (0~9)
2*	003	+	1	Prompt	Decimal (0~9)
3					
4					
5					
6					

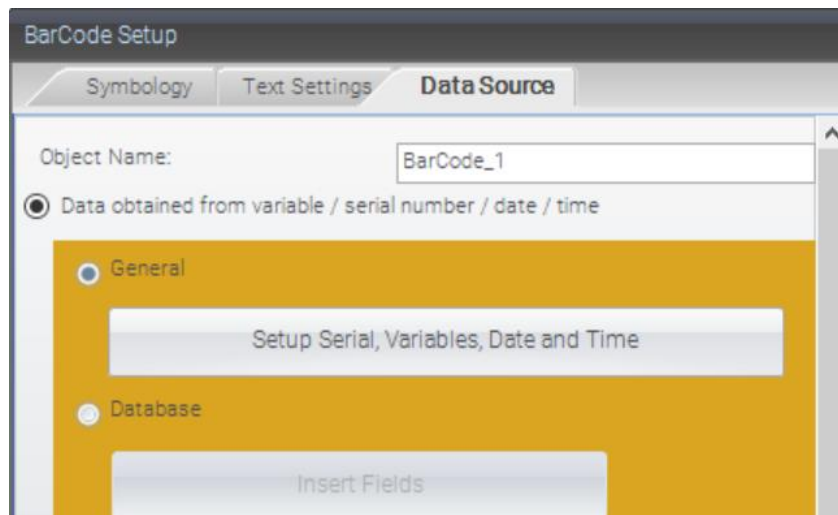
OK Cancel

## Using Variable

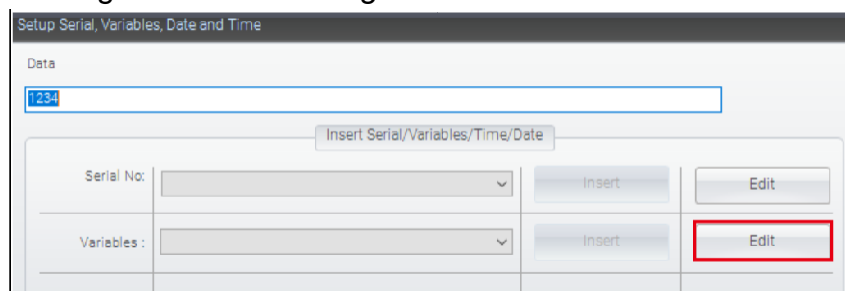
Be noted: Variable Create in iMotion Label is for the printer that is working in “Standalone” mode and operating with “Recall Label” only.

### Open Variable Settings Dialog

1. 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 3<sup>rd</sup> level dialog respectively.



2. Click “Edit” in the dialog of “Setup Serial, Variable, Date, Time” to open a 4<sup>th</sup> level dialog - “Variable Settings”.



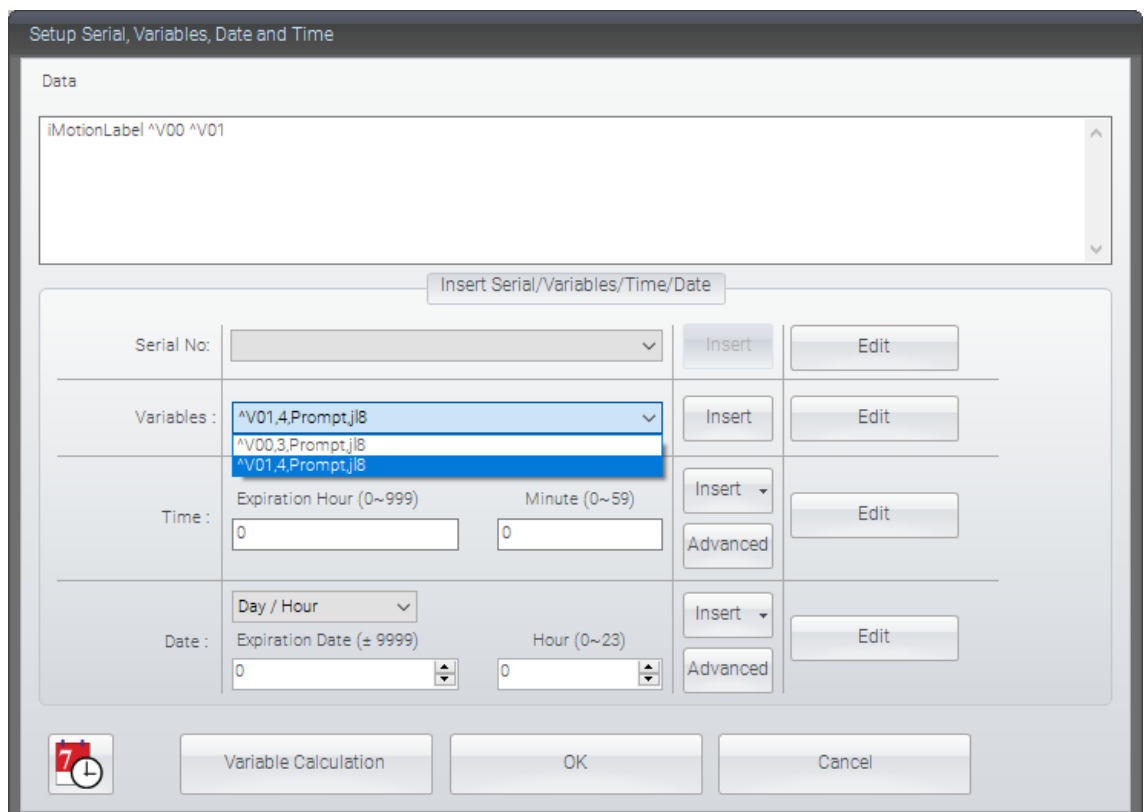
### Create Variable

1. 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.

2. **“Prompt for value before print”** is set, the 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 “iMotion Label”:**

- **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 “iMotion Label ^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 “iMotion Label VAR1 VAR”, second “iMotion Label var1 var”, etc.



Setup Serial, Variables, Date and Time

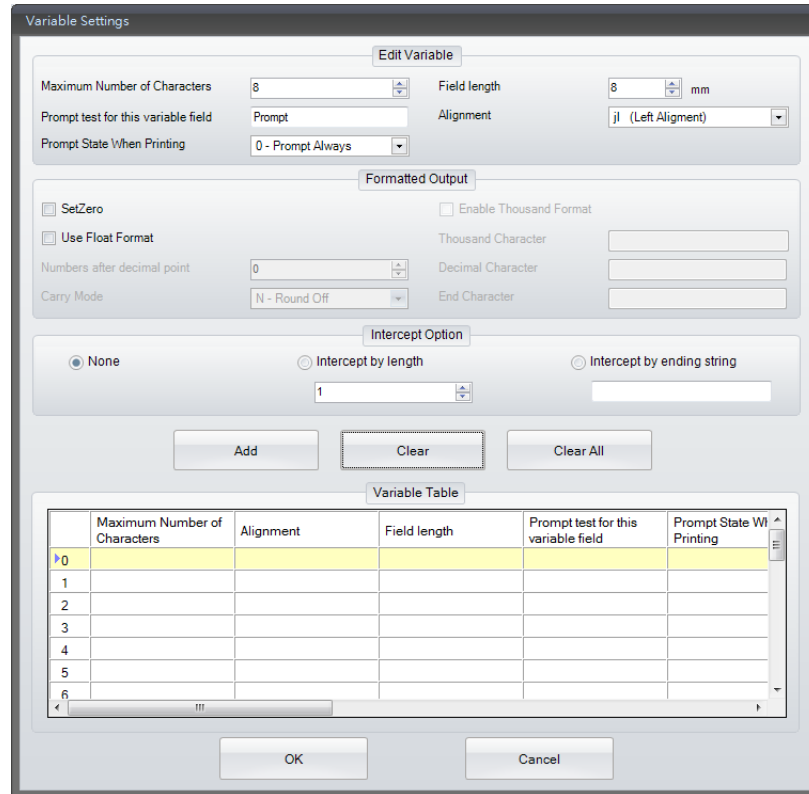
Data

iMotionLabel ^V00 ^V01

Insert Serial/Variables/Time/Date

Serial No:		Insert	Edit
Variables :	^V01,4.Prompt,jl8 ^V00,3.Prompt,jl8 ^V01,4.Prompt,jl8	Insert	Edit
Time :	Expiration Hour (0~999) 0	Minute (0~59) 0	Insert Advanced Edit
Date :	Day / Hour Expiration Date (± 9999) 0	Hour (0~23) 0	Insert Advanced Edit

Variable Calculation OK Cancel



The Variable Settings dialog box is divided into several sections:

- Edit Variable:** Contains fields for Maximum Number of Characters (8), Field length (8 mm), Prompt test for this variable field (Prompt), Alignment (jl (Left Alignment)), and Prompt State When Printing (0 - Prompt Always).
- Formatted Output:** Includes checkboxes for SetZero and Use Float Format, a field for Numbers after decimal point (0), Carry Mode (N - Round Off), and checkboxes for Enable Thousand Format, Thousand Character, Decimal Character, and End Character.
- Intercept Option:** Features radio buttons for None, Intercept by length, and Intercept by ending string, with a corresponding input field for the length or string.
- Buttons:** Add, Clear, and Clear All buttons are located below the Intercept Option section.
- Variable Table:** A table with 6 columns: Maximum Number of Characters, Alignment, Field length, Prompt test for this variable field, and Prompt State When Printing. The first row is highlighted in yellow.
- OK and Cancel:** Buttons at the bottom of the dialog.

## Editing Variable

- Double click the Object that the “Variable” will be modified.
- 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 setting the intercept by length at 5, then when input the data “abcdefgh”, the “abcde” will be printed. When setting “intercept by ending string”, it will print the setting character ahead only.

EX: if setting “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.

Variable Settings

Edit Variable

Maximum Number of Characters: 4 Field length: 8 mm

Prompt test for this variable field: Prompt Alignment: jl (Left Alignment)

Prompt State When Printing: 0 - Prompt Always

Formatted Output

☐ SetZero ☐ Enable Thousand Format

☐ Use Float Format

Numbers after decimal point: 0 Thousand Character:

Carry Mode: N - Round Off Decimal Character:

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 When Printing
0*	3	jl (Left Alignment)	8	Prompt	0 - Prompt Always
1*	4	jl (Left Alignment)	8	Prompt	0 - Prompt Always
2					
3					
4					
5					
6					

OK Cancel

## Variable Calculation

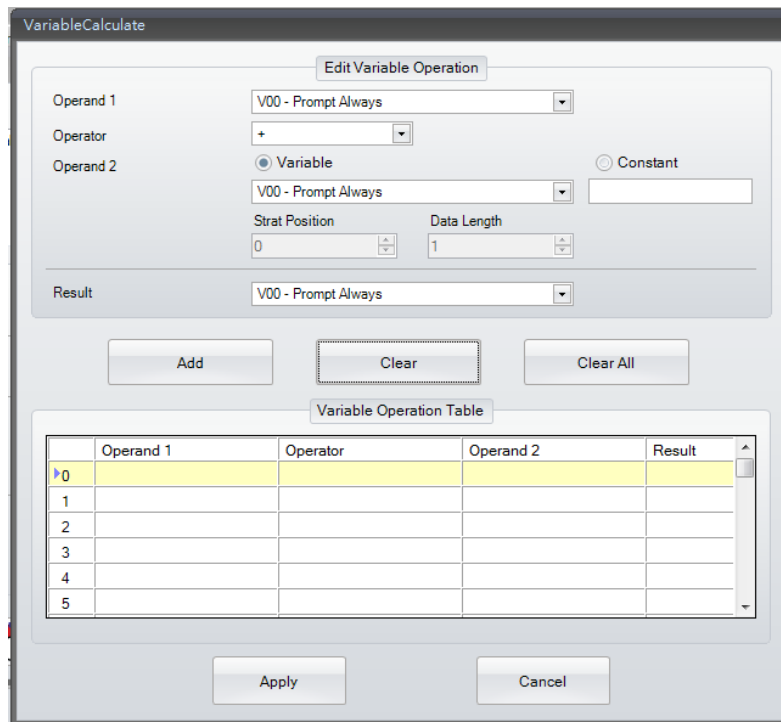
If you want to take out the data of a variable for mathematical calculations, or get part of the content from a variable, you can use the variable calculation function to achieve this requirement. It is important to note that this feature will not be enabled when no variables are defined in the label.

### Create Variable Calculation

1. 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 3<sup>rd</sup> level dialog respectively.
2. Click "Variable Calculation" in the dialog of "Setup Serial, Variable, Date, Time" to open a 4<sup>th</sup> level dialog - "Variable Calculate".
3. Select the edited variables for operand 1, operand 2, result and related

parameters and click to confirm.

4. “Prompt for value before print” is set, the printer will stop and display a “Prompt” message on Printer (Standalone Mode only) and waiting for first starting value input and enter.



The VariableCalculate dialog box is used for editing variable operations. It features a title bar 'VariableCalculate' and a tab 'Edit Variable Operation'. The main area contains fields for Operand 1 (set to 'V00 - Prompt Always'), Operator (set to '+'), Operand 2 (set to 'V00 - Prompt Always'), and Result (set to 'V00 - Prompt Always'). There are also radio buttons for 'Variable' (selected) and 'Constant', and input fields for 'Strat Position' (0) and 'Data Length' (1). Below these are buttons for 'Add', 'Clear', and 'Clear All'. At the bottom is a 'Variable Operation Table' with columns for Operand 1, Operator, Operand 2, and Result. The table has 6 rows, with the first row highlighted in yellow. At the very bottom are 'Apply' and 'Cancel' buttons.

## Editing Variable

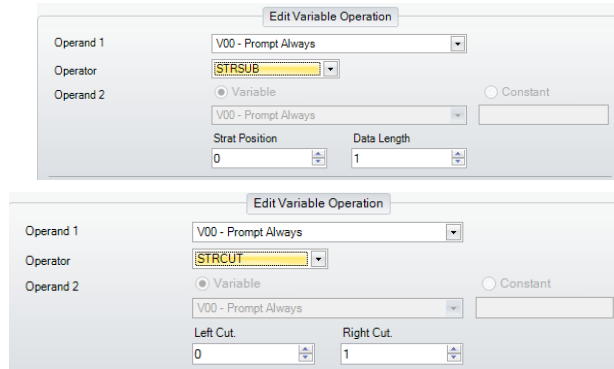
The basic concept of variable calculation is to perform “Operand 1” and “Operand 2” numerical operation or string processing, and finally fill the calculation result in “Result variable”. Set the type of operation through “Operator”.

- Operand 1 : the data must be from edited variable.
- Operator :

Operator	Function Description
+	Addition
-	Subtraction
*	Multiplication
/	Division
%	Remainder calculation
STRSUB	Intercept part of “Operand 1” contents to the “Result”
STRCUT	Delete head and tail of “Operand 1” contents to the

“Result”

- Operand 2 : the data can be from edited variable or a constant.  
When “STRSUB” or “STRCUT” be selected, “Start Position”, “Data Length”, “Left Cut” and “Right Cut” functions can be set up to operate “Operand 1” string.



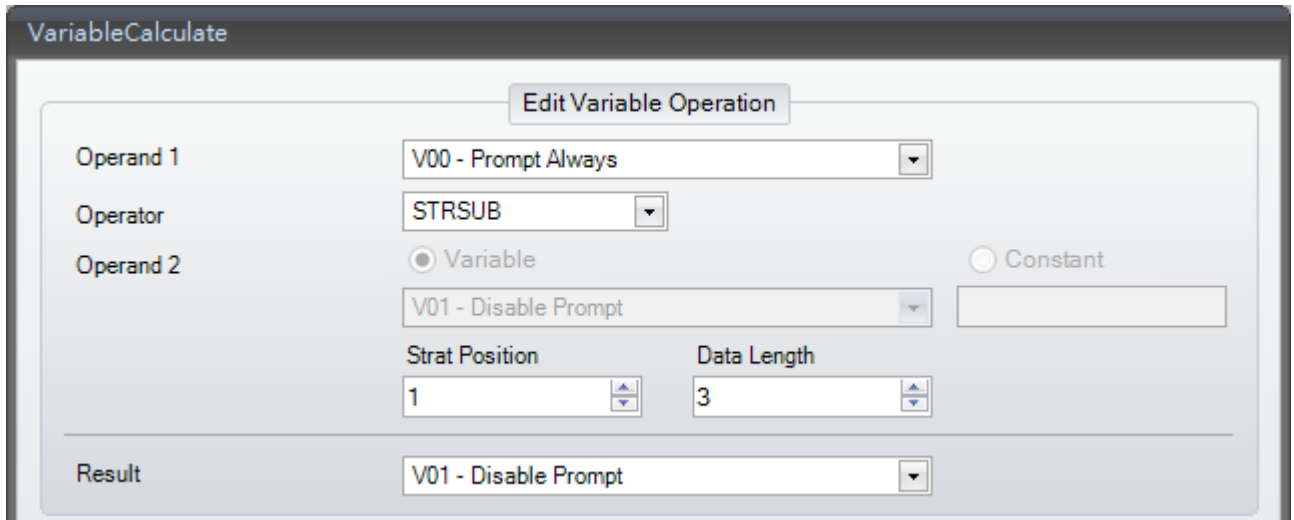
- Result: For the calculation result, it must create a variable to define it.
- There are two more icons are reserved for editing. The icon “Clear” – it removes the selected variable one by one, “Clear All” that deletes all the variables in once.

## STRSUB Introduction

It can intercept data from a variable string by defining the start position and data length.

- **Start Position** : set up where of the string start to intercept.  
0 means intercept from first character of the string.
- **Data Length** : set up how many characters of the string to print after start position.

EX: If setting V00 to intercept from second character and data length is 3, then when input the data “abcdefghijk”, the “bcd” will be printed.



**VariableCalculate**

**Edit Variable Operation**

Operand 1: V00 - Prompt Always

Operator: STRSUB

Operand 2: ☒ Variable ☐ Constant

V01 - Disable Prompt

Strat Position: 1 Data Length: 3

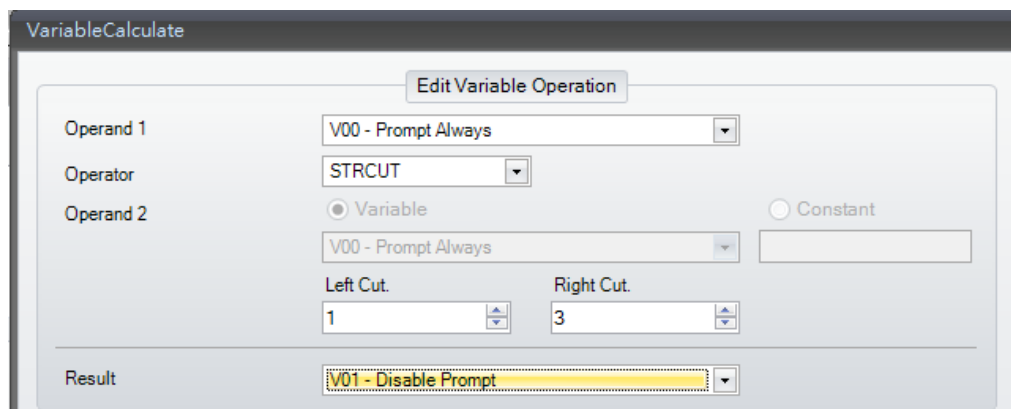
Result: V01 - Disable Prompt

### ***STRCUT Introduction***

It can intercept the data from variable string by setting up how many characters from the head and how many characters from the tail to cut.

- Left Cut : how many characters from left to cut.
- Right Cut : how many characters from right to cut.

EX: If setting V00 to cut 1 character from left and 3 characters from right, then when input the data “abcdefghijk”, the “bcdefgh” will be printed.



**VariableCalculate**

**Edit Variable Operation**

Operand 1: V00 - Prompt Always

Operator: STRCUT

Operand 2: ☒ Variable ☐ Constant


V00 - Prompt Always

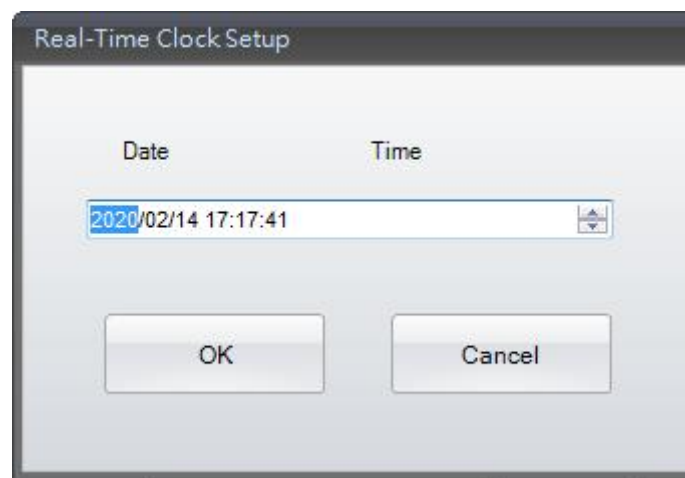
Left Cut: 1 Right Cut: 3

Result: V01 - Disable Prompt

## Date Time Setting

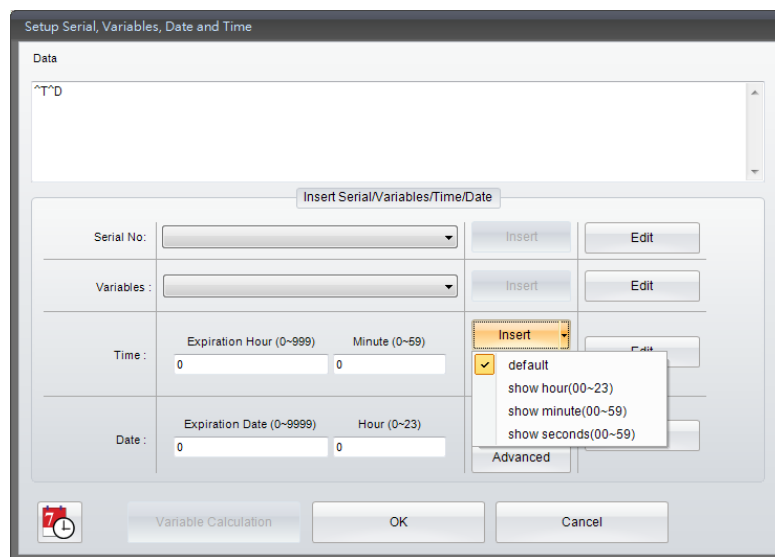
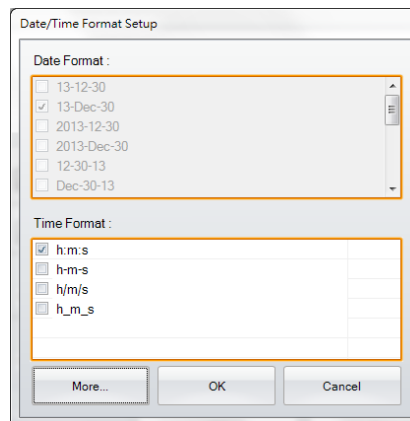
### ***Setting Date/Time to the RTC of Printer***

- Click the Icon “Real-Time Clock Setup”  from “Advanced Tool Set”.
- Set the date/time in the dialog - “Real-Time Clock Setup” and then click “OK”
- Or, Just click “OK” to load PC’s date/time to the Printer’s RTC

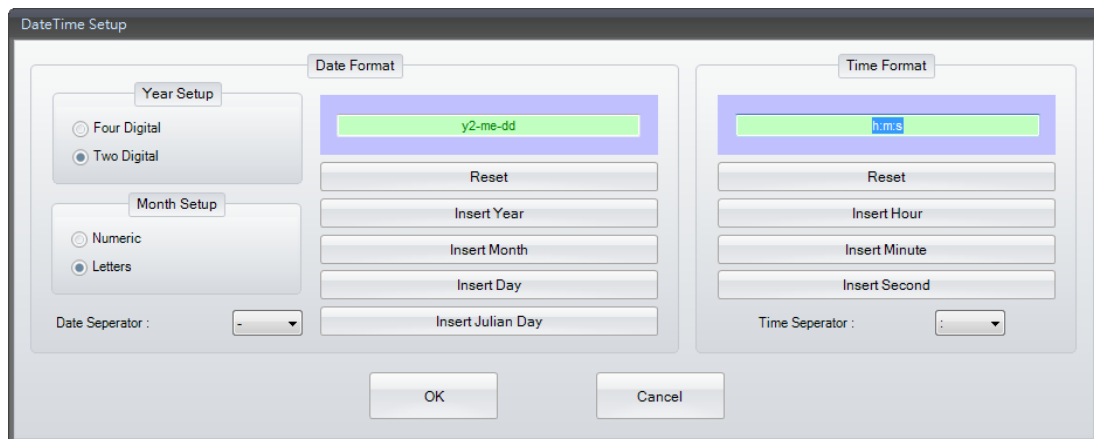
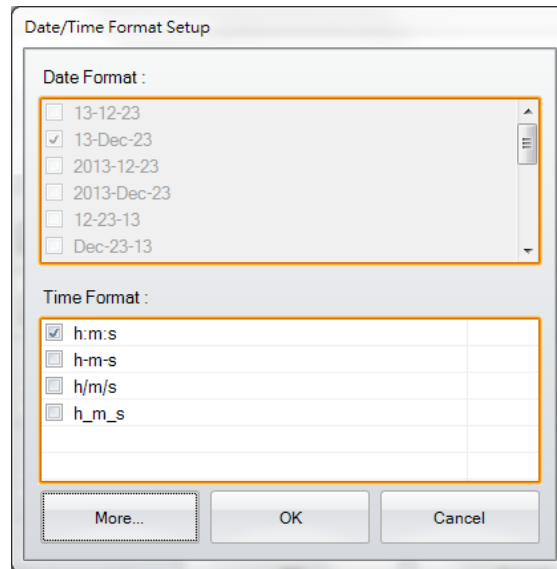


### ***Add Date/Time in Label***

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 3<sup>rd</sup> level dialog respectively. Click the icon “Edit” in the dialog of “Setup Serial, Variable, Date, Time” to open a 4<sup>th</sup> 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.



- Select preferring Date/Time format directly, or click icon “More” for comprehensive setup.
- After selection, click “OK” and then go 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.




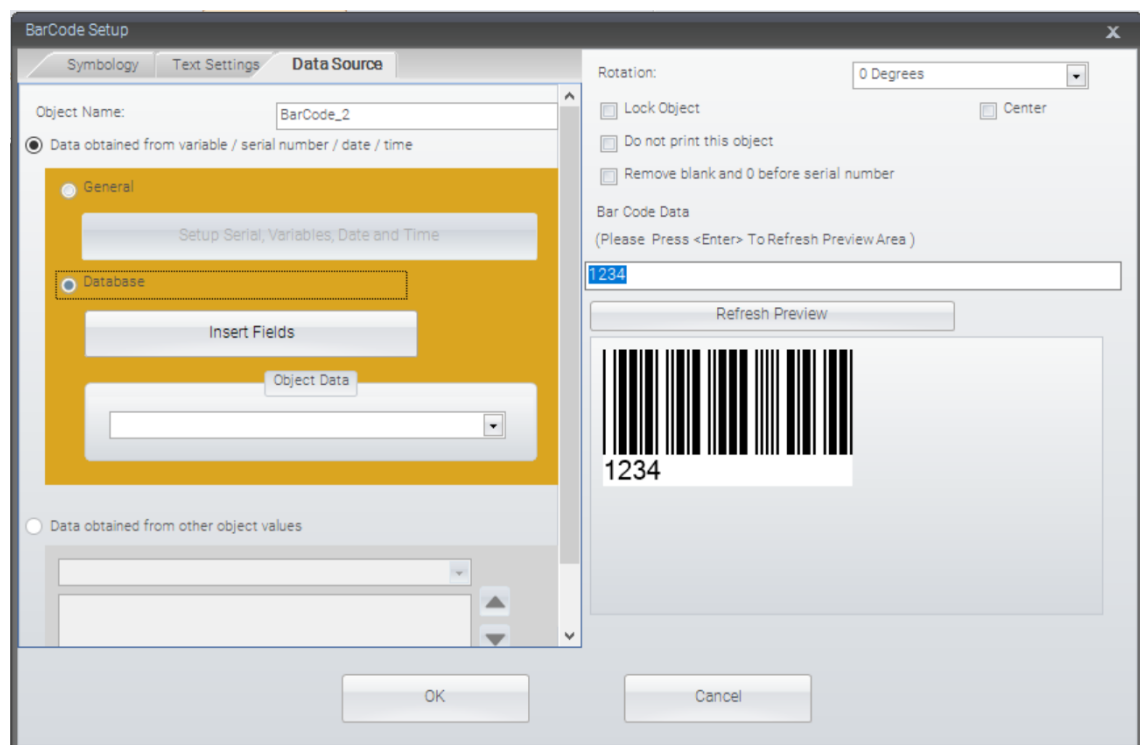
## Database Linkage

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

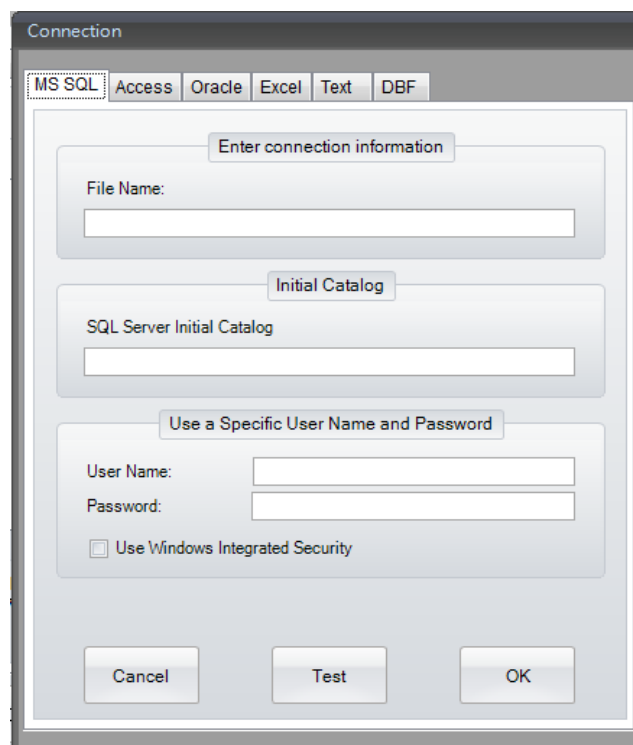
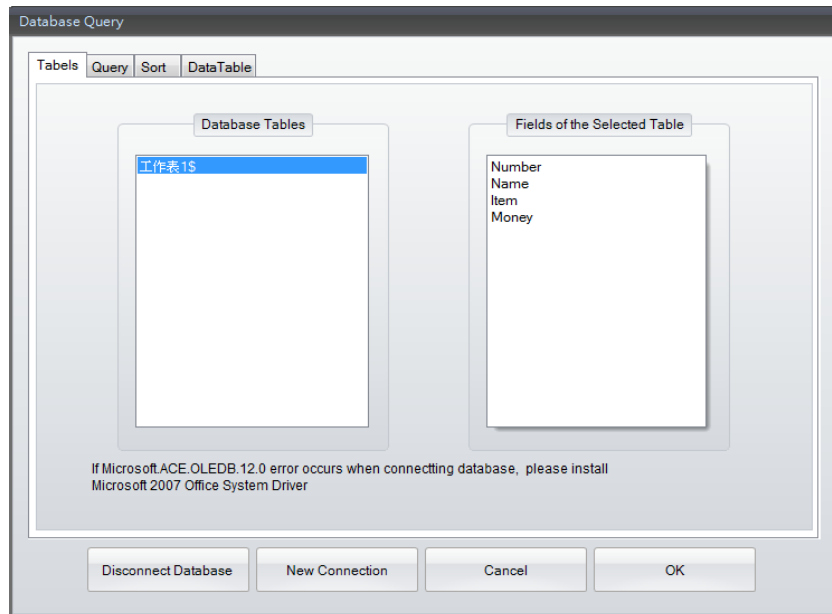
### **Connect Database**

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

1. Click the icon “Database Select”  of Generic Tool Set to make the database linkage.
2. 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”.

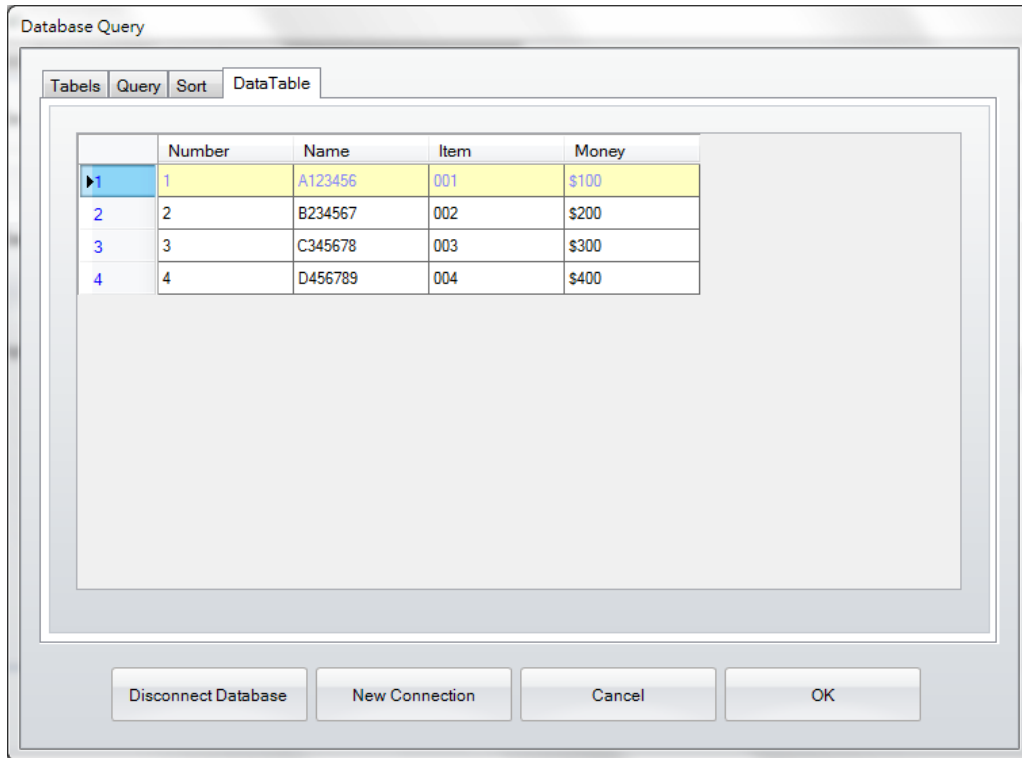


- iMotion Label will pop up two overlay dialogs immediately; select which database going to link. For example, an Excel file – “1.xlsx”, click “OK” to close the “Connection” dialog.



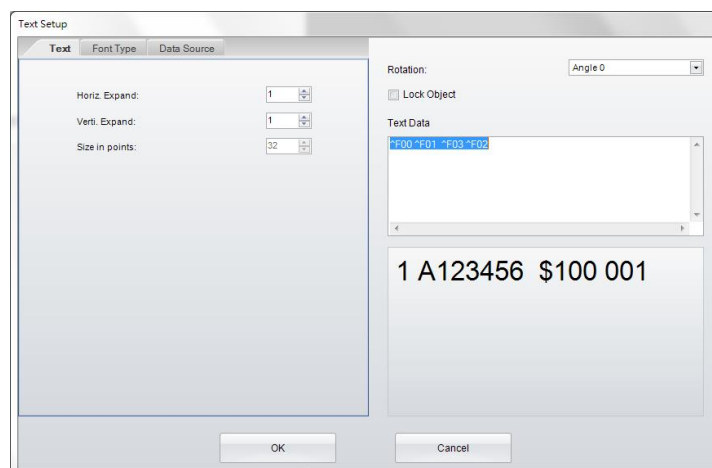
## Select Database

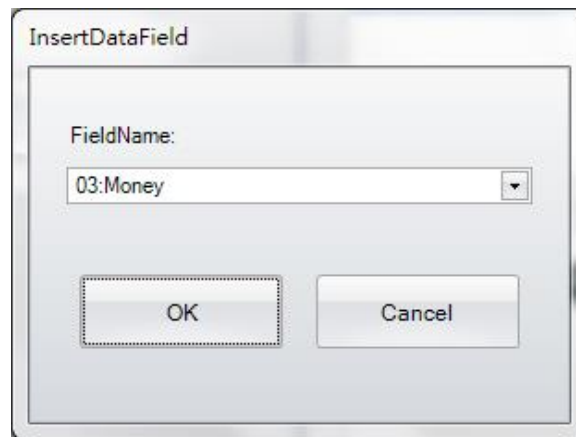
In the dialog of “Database Query”, selecting “Data Table” will show the Excel file contents as below.



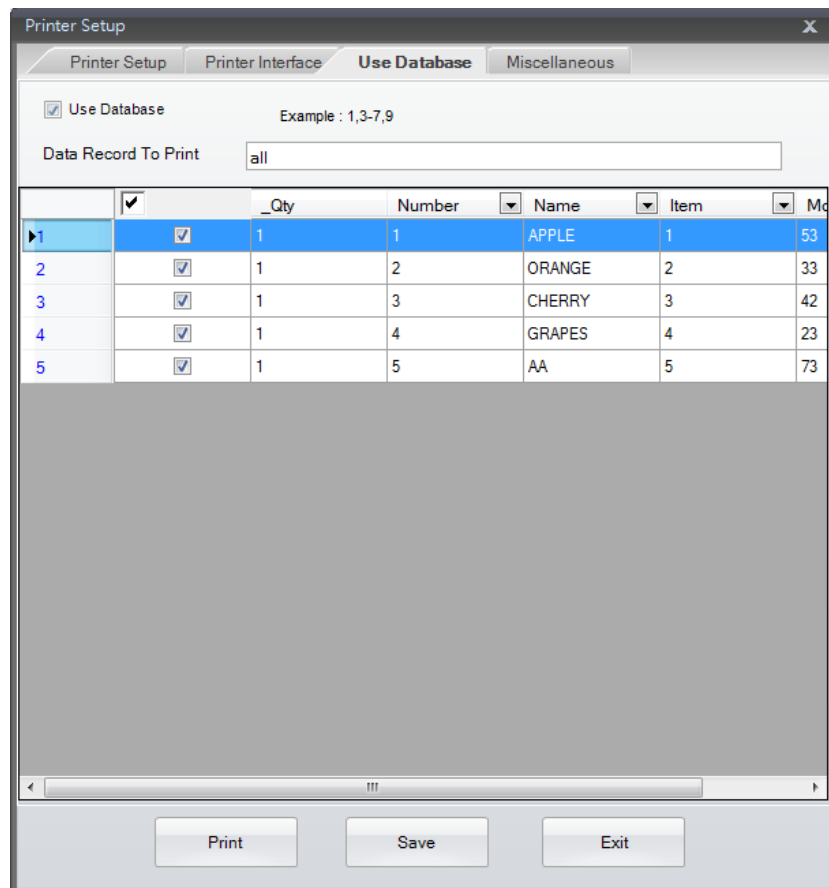
### For example with “Text Setup” dialog:

- 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 inserted to “TEXT”






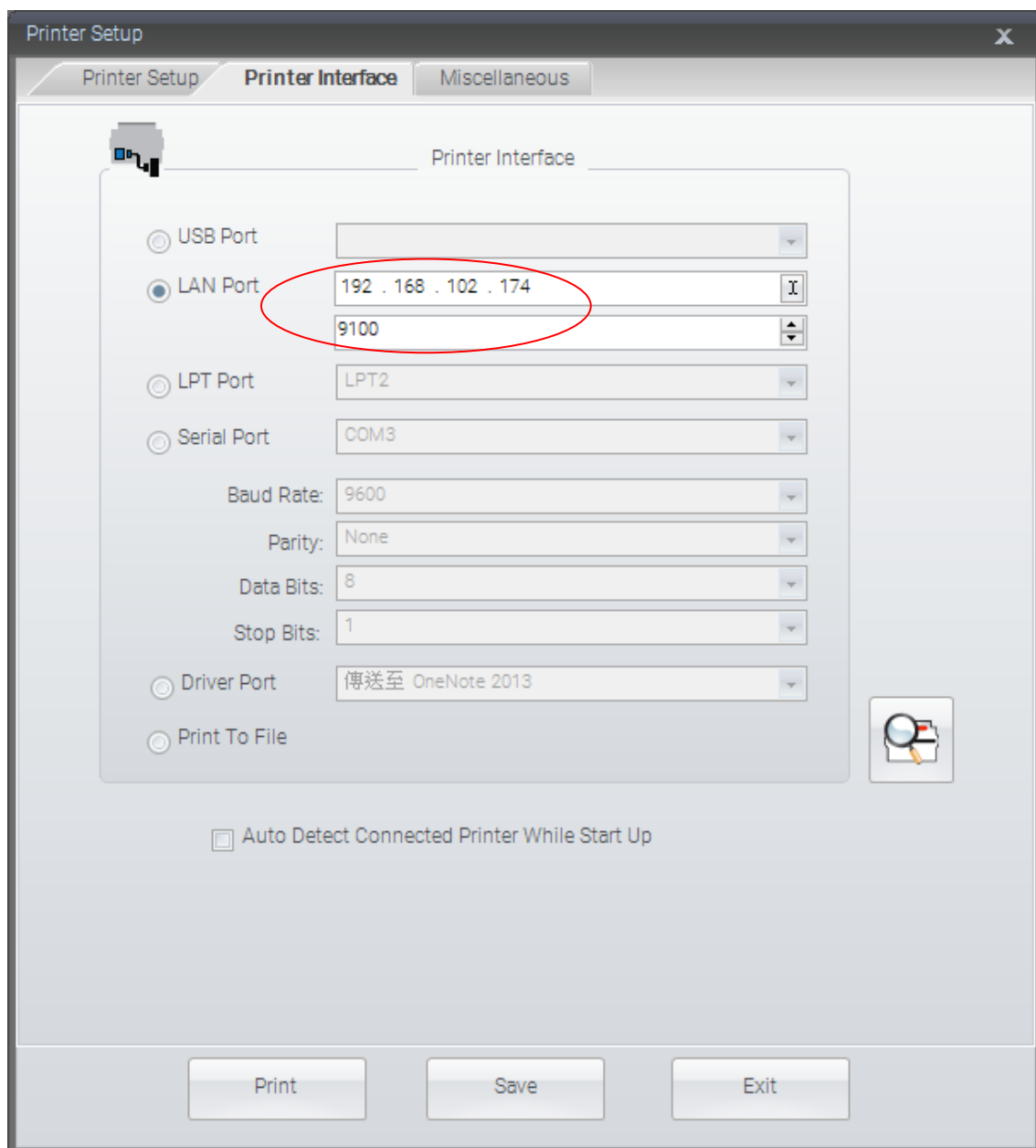
- While printing, it will pop up “Printer Setup” – Use Database dialog for the user to set up which item and quantities to print.




## Printer with LAN Port


### ***Search Printer***

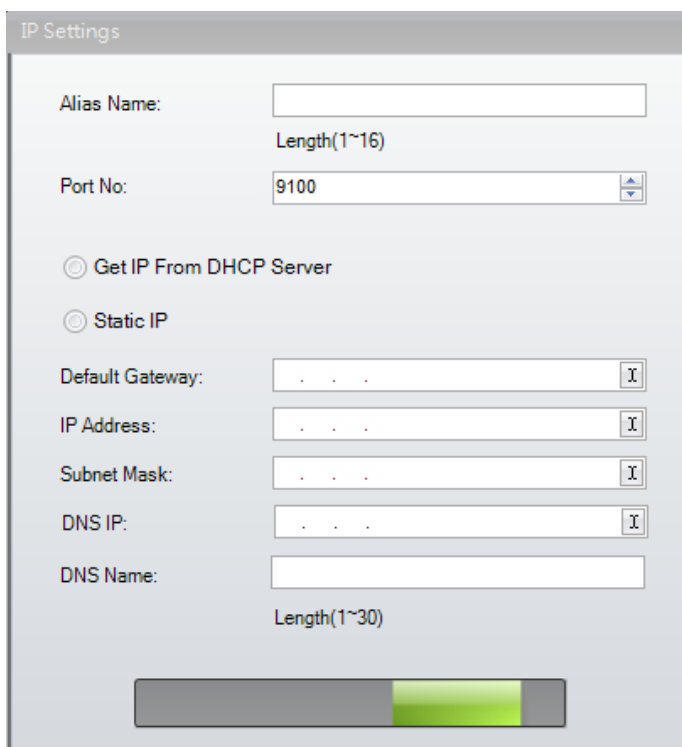
1. In case the printer is connected by Ethernet LAN port, please click the icon  in “Generic Tool Set”; select “LAN Port” in the dialog of Printer Interface and save then.



- Next step is to click the icon  which will search for the Ethernet networking and find out where the iMotion printer is.

## 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 the user manually.





The IP Settings dialog box contains the following fields and options:

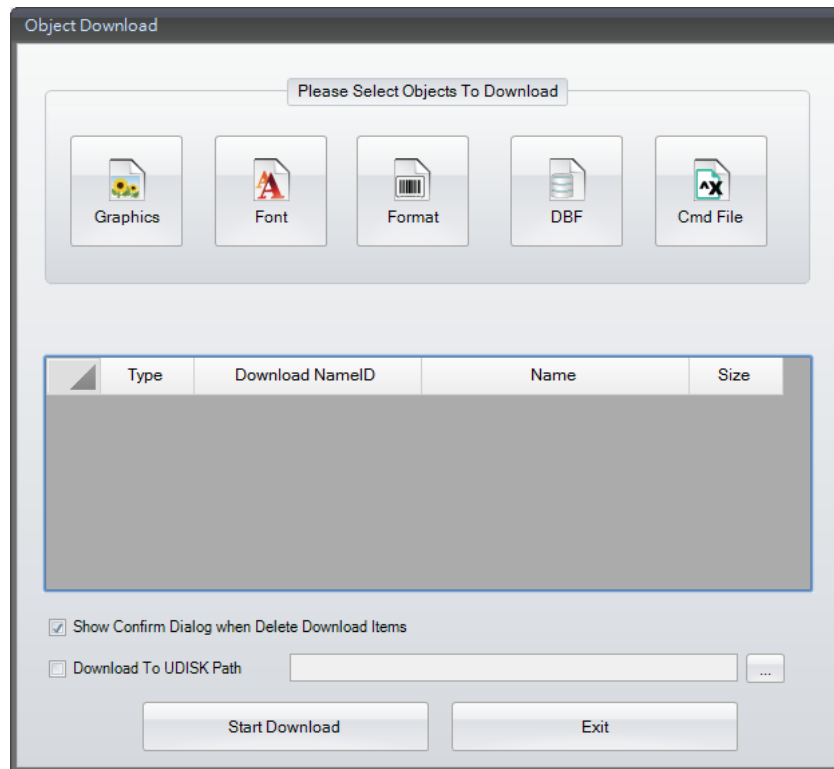
- Alias Name:** A text input field with a label "Length(1~16)" below it.
- Port No:** A text input field containing "9100" with a spin button to its right.
- Get IP From DHCP Server:** A radio button option.
- Static IP:** A radio button option.
- Default Gateway:** A text input field with a label "Length(1~16)" below it.
- IP Address:** A text input field with a label "Length(1~16)" below it.
- Subnet Mask:** A text input field with a label "Length(1~16)" below it.
- DNS IP:** A text input field with a label "Length(1~16)" below it.
- DNS Name:** A text input field with a label "Length(1~30)" below it.

At the bottom of the dialog is a progress bar showing approximately 50% completion.

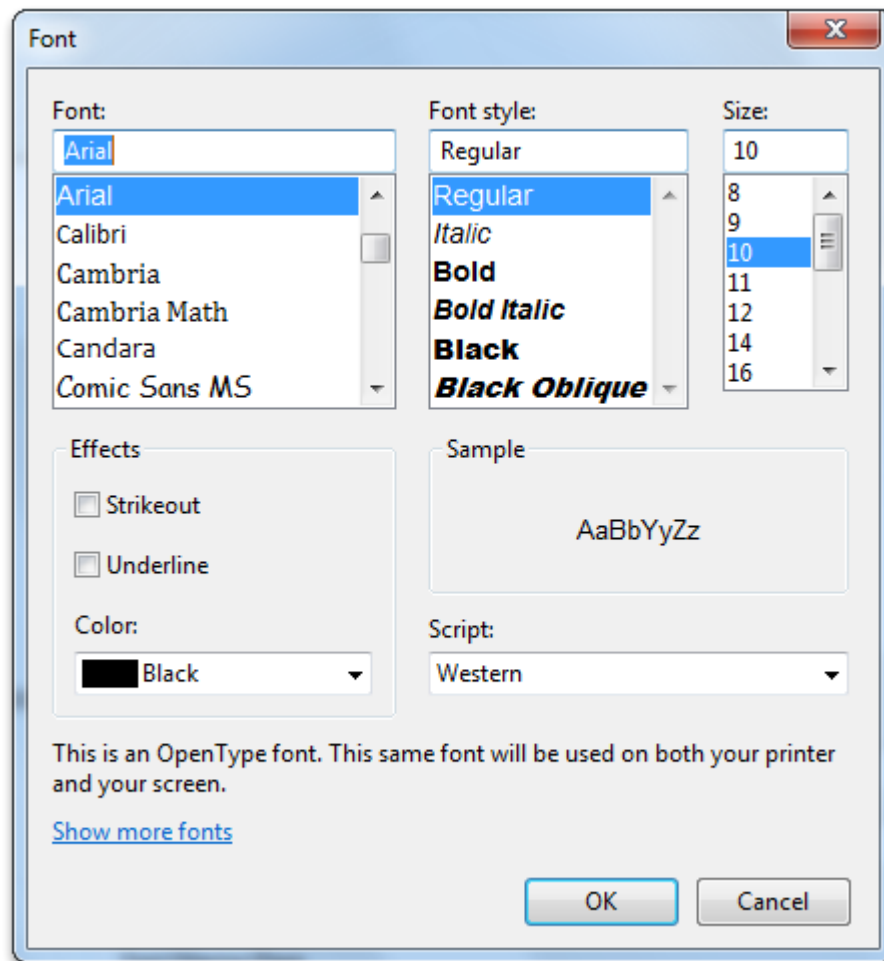
## Download Graphic/Font/Label/DBF/Cmd


### Download Font

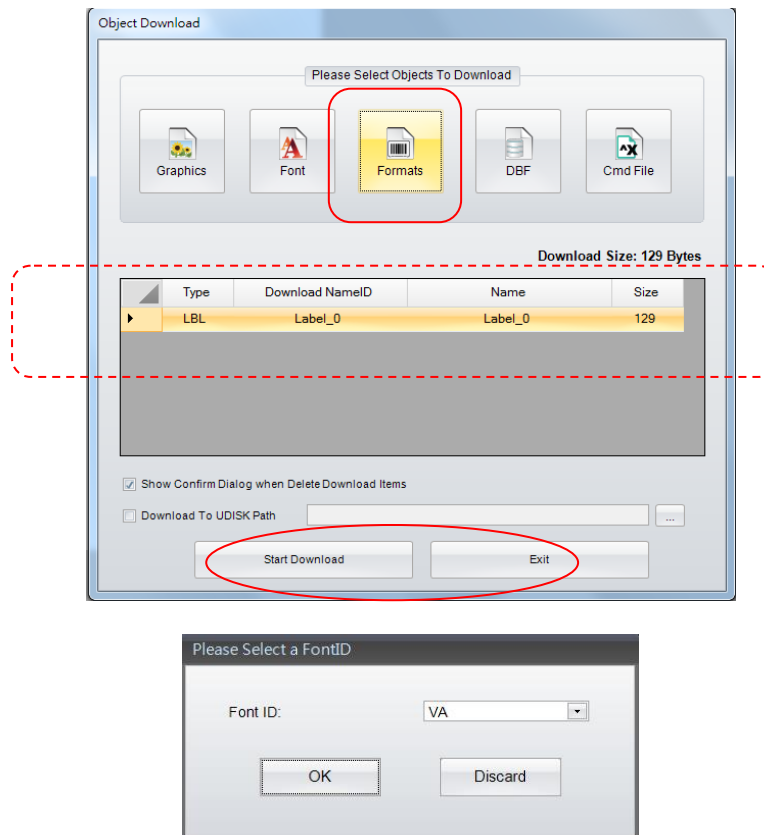
- Click the icon  then entering to the dialog “Object Download”. Click the icon  and then select “Font” to download.



2. 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.



3. Click the icon “Printer Control”  in “Advanced Tool Set” and select “Switch the Memory” to “Flash”. While all the fonts are selected, click “Start Download” to download fonts to – “Flash Memory” in printer.
4. Detailed operation of the icon of “Printer Control”, please refer to *Chapter 6: Further Advanced Tool Set/ Printer Control*.

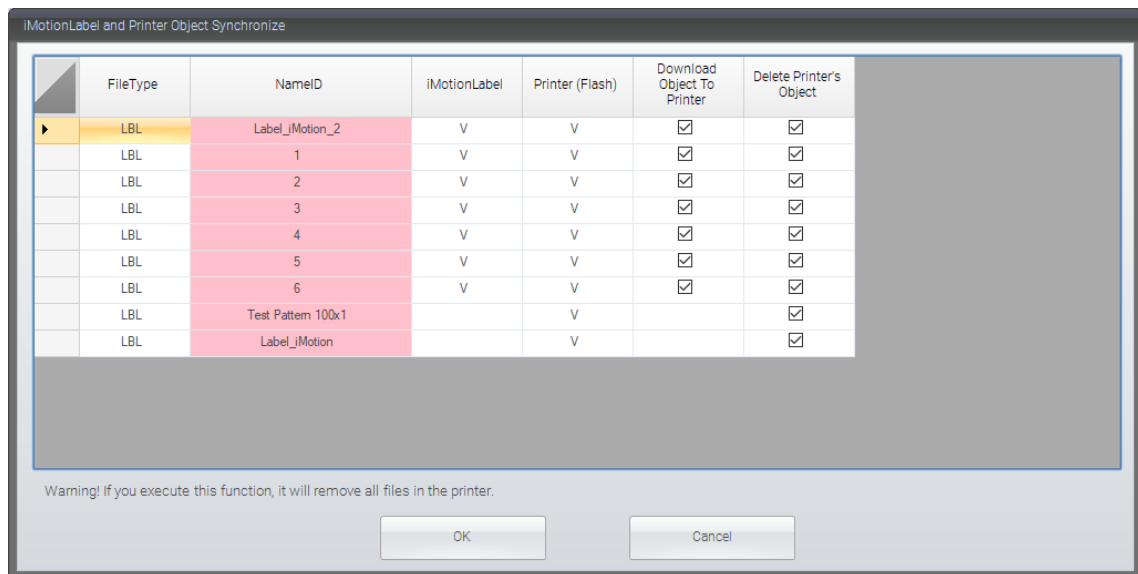


## Check Download files in Flash or Extended Memory

1. Users can check the status of download file by click the icon “Synchronize


Printer and iMotion Object Record”  in “Advanced Tool Set”.

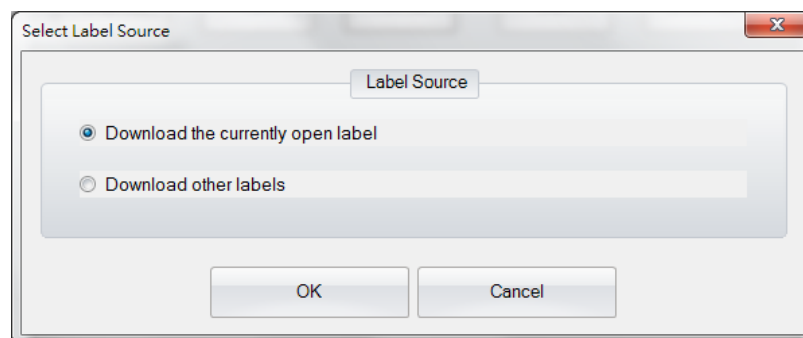
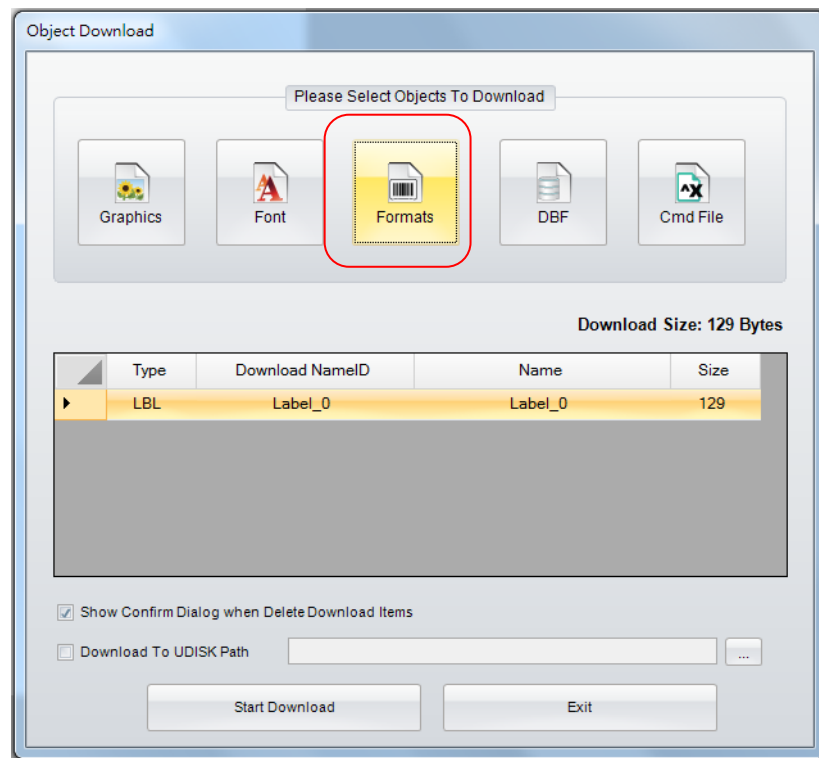
2. The dialog below shows that both (one Bitmap Font and one Label) are downloaded to the memory either - Flash Memory which is selected by default or by iMotion Label manually.



## Download Label Format

1. Click the icon  of the “Advanced 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. The file name just can be Alphanumeric.

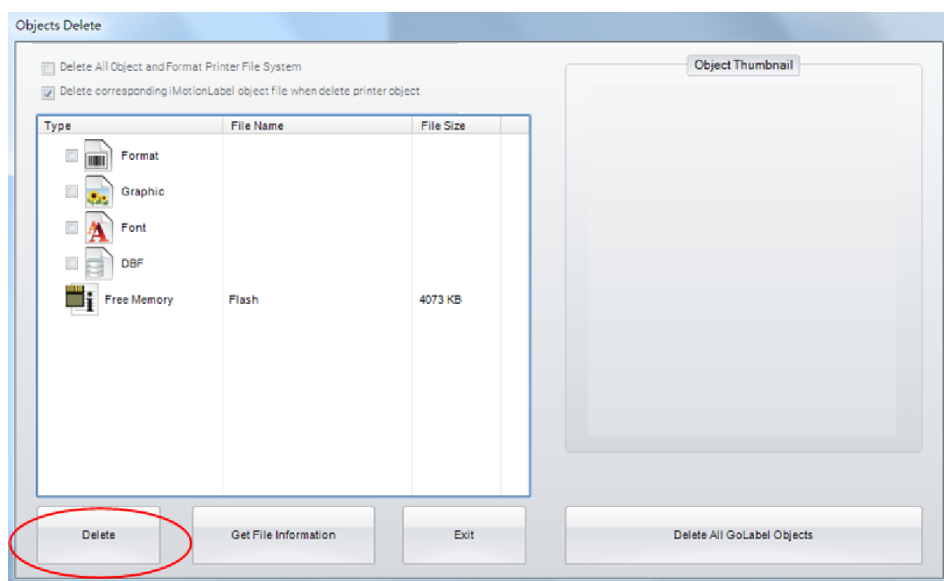


### ***Other Object***

The download procedures of other objects (Graphic, DBF, CSV and Cmd) are all similar to the Font and Label above; they are all downloaded to the available space of either “Flash” or “Extended Memory” that selected by printer default or by the user of iMotion Label manually.

## **Delete Printer Object**

1. Click the icon “Delete Printer Object”  and select which objects that need to be deleted by right key of mouse and click “Delete” to remove them.
2. Only Graphic and Label are able to preview in the Window of “Object Thumbnail” while the cursor move to the object that the user wants to preview.



### **Delete All iMotion Label Objects**

Download files to printer through iMotion Label, iMotion Label will keep the records in software.

EX: Download Asia Fonts to printer, iMotion Label will record it for user usage.

### **Delete All iMotion Label Objects**

Delete all files in iMotion Label, it will remove all records in iMotion Label but won't delete anything from the printer's memory.

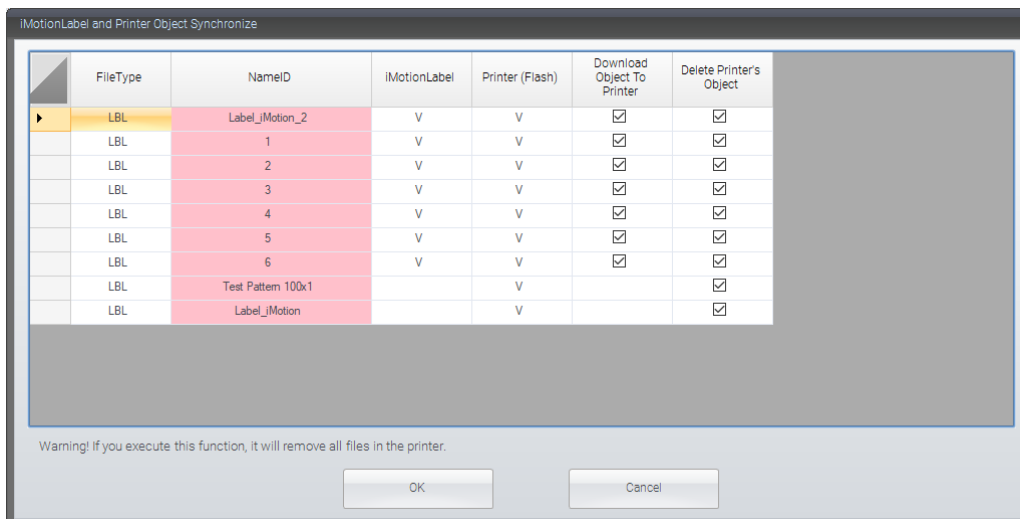
## Chapter 4: Synchronize iMotion Label Objects with Printer

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

1. Click the icon “Synchronize Printer and iMotion Label Object Record”



in “Advanced Tool Set”. Entering into the dialog “iMotion Label and Printer Object Synchronize” which will display what object is existed in the connecting printer and iMotion Label itself.



2. Download Object To Printer : After ticking the checkbox, the computer will download the objects on iMotion Label to the printer.
3. Delete Printer's Object : After ticking the checkbox, the objects in the printer will be deleted.
4. In this example, after pressing OK, there are 3 files (04, 05, 06) in the printer.

## Chapter 5: Barcode Application

### Application Identifiers (Application Identifiers, AI)

iMotion Label supports the data format of Application Identifiers (AI) for EAN-128. The data format of AI consists of 2 to 4 digits of AI leading code that defines the significance 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 consists of two digits; following n6 comprises of 6 digits by the format (YYMMDD) of production date. The details 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, iMotion Label will display it on the preview window. For example, when the user keys-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.



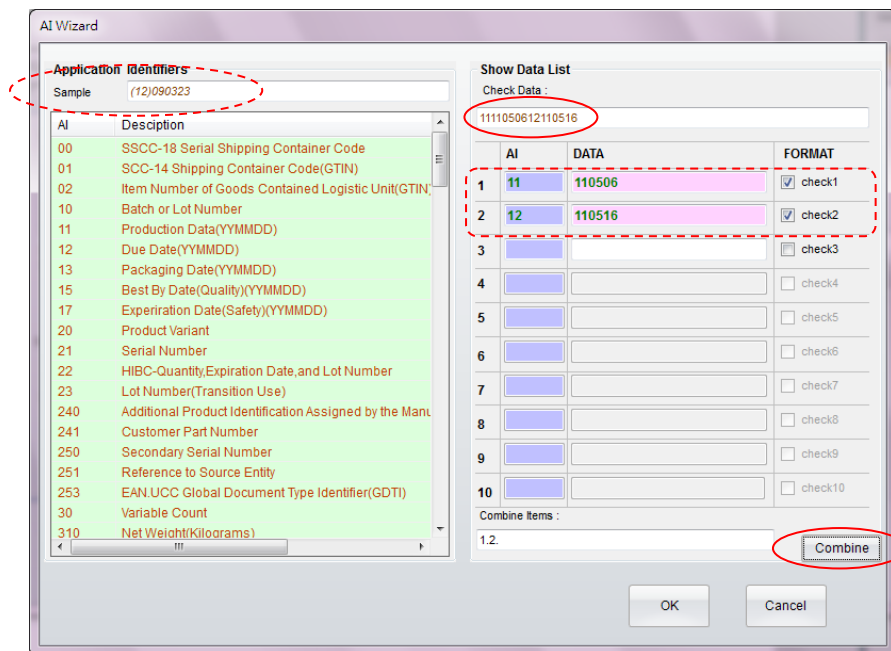
## AI Wizard

### EAN-128

iMotion Label provides a function of “AI Wizard” for the user to check the AI rule of data. If necessary, the user may click “AI Wizard” to enter to the dialog that assists defining the AI code and also helpful to check the corrective of AI rule then.

1. In the left side of dialog, it has AI codes for selection and will display a sample format on the top of field for the user’s reference when selecting it, such as (11)090423.
2. It can be either: input the data (110090227) to the field of “Check Data” by the user; 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.
3. Click the “check 1”, AI Wizard will check the corrective of input data. If the data is corrected, the dialog will allow the user to input next data in the following row.
4. Repeat the procedure 2nd to 3rd for further data input until finished, 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 goes back to main screen and an EAN-128 barcode will be created as follow.

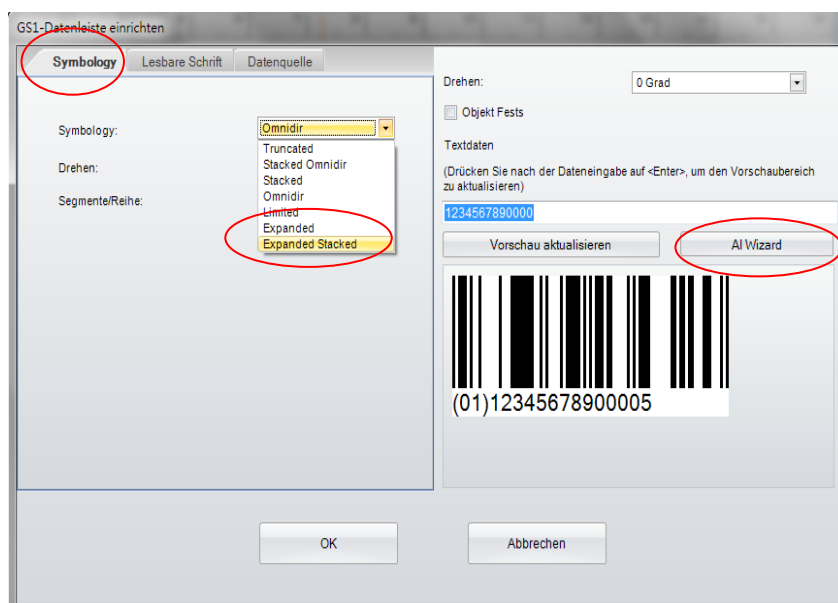




## GS1 Databar

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.


1. Select Symbology and click Expanded or Expanded Stacked. An icon of AI Wizard in the subdialog can be clicked to assist the user defining the AI code and also be helpful to check the corrective of AI rule then.
2. The Details, please referring "AI Wizard" in the previous chapter.



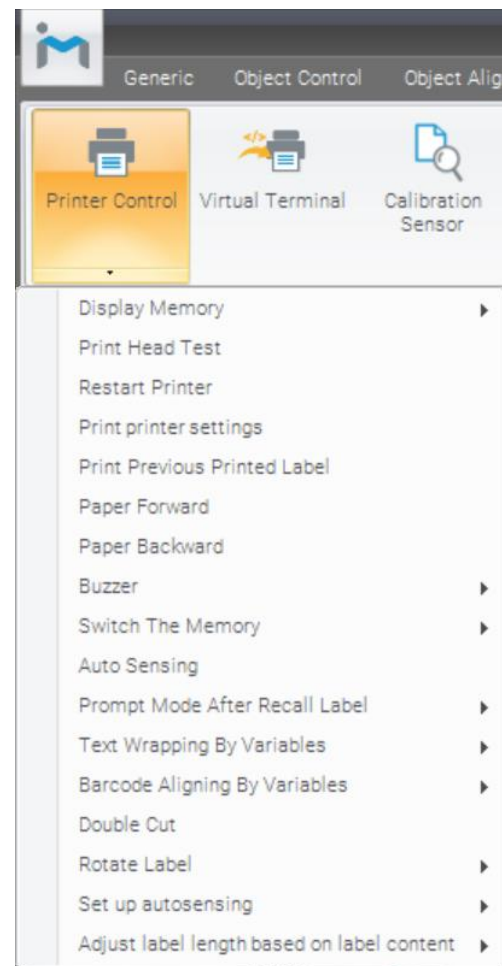
## Chapter 6: Further Advanced Tool Set

---

### Printer Control



The icon “Printer Control”  can be clicked to provide 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 or free space of the internal on label by selection
- **Print Head Test** : Make a print head testing and print a net pattern on a label of the printer.
- **Restart 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 selecting mm.
- **Paper Backward** : Directly move the printer backward by 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.
- **Prompt Mode After Recall Label** : In Recall label setting, the user could choose “Return to Input Number of Labels”, “Return to Input Variables”, or “Return to Select label.”
- **Text Wrapping by variables** : Set text line according to the variable definition.
- **Barcode Aligning by variables** : Set barcode alignment based on variable definition.
- **Double Cut** : Set the printer to cut twice per label.
- **Rotated Label**: Set the label rotation when printing
- **Set up auto-sensing** : Set up in what condition that the printer would execute autosensing. There are four options: none, when the printer is turned on, when the printer cover is closed, when the printer is turned on or printer cover is closed.

## Other Settings

- Click the icon “Language”  to set up the preferable language.
- Click the icon “Style Settings”  to set up the preferable color of iMotion Label operation screen.