GoLabel On-line Help

Contents

1.	Introd	duction				
	1.1	Startup				
	1.2	Main Display Screen				
2.	Work	king Environment				
	2.1	General				
	2.2	Command Area				
3.	GoLo	abel Tool Sets	4			
	3.1	Generic Toll Set				
	3.2	Advance Tool Set	5			
	3.3	Object Tool Set	6			
4.	Gene	eral Operation	7			
	4.1	Creating First Label	7			
	4.2	Open an Existing File				
	4.3	Change Printer Setting	9			
	4.4	Setup Database Printing				
	4.5	Select Label Size and Media Type				
	4.6	Printer Interface Setup				
	4.7	Text Setup - Key in a Text into the Label				
	4.8	Using the Fonts Provided by Windows				
	4.9	Create a Barcode				
	4.10	Drawing Line, Rectangle and Circle				
	4.11	Create Graphic				
	4.12	Lock Object				
5.	Advo	ance Operation				
	5.1	Command Format				
	5.2	Using Serial Number				
	5.3	Using Variable				
	5.4	Date Time setting				
	5.5	Database Linkage				
	5.6	Printer with LAN Port				
	5.7	Download Graphic/Font/Label/DBF/Cmd				
	5.8	USB Disk Access Function				
6.	Barco	Barcode Application				
	6.1	EAN-128 / GS1 Databar with AI				
7.	Furth	er Advance Tool Set	71			
	7.1	Printer Control				
	7.2	Virtual Terminal				

1. Introduction

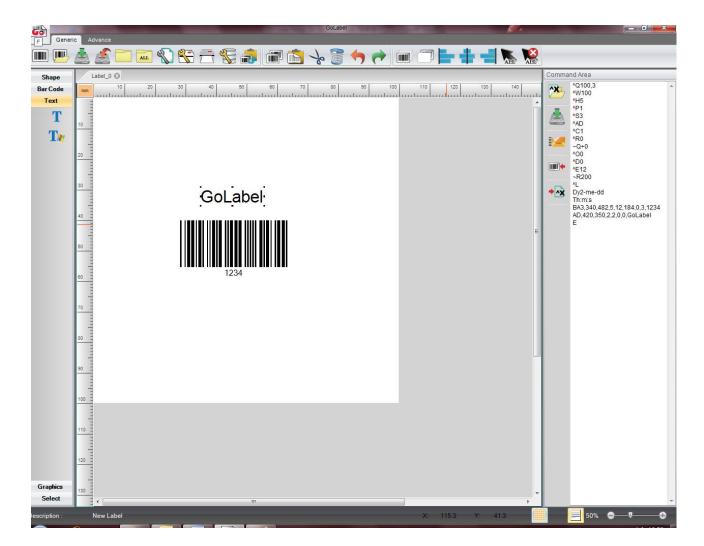
1.1 Startup

Click [Begin] on Windows Desk and select "GoLabel" software program to run it. Or, just click the Icon 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 Generic tool set and Advance tool set
- Object tool set on the left side
- 2) Working Area:
- Label Design area
- Command area



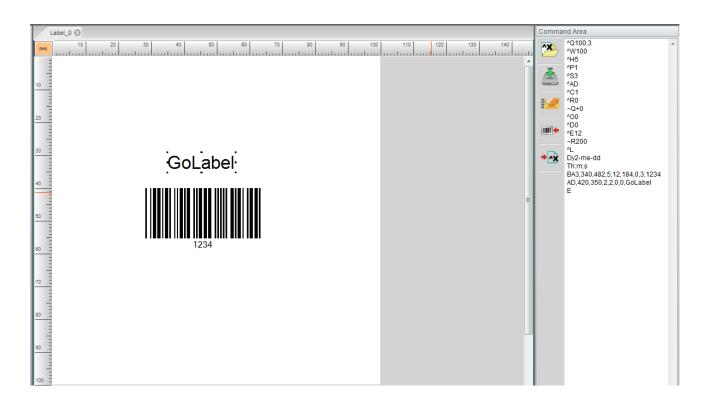
2. Working Environment

2.1 General

With the friendly design, user clicks the icon it 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.



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.

Undo New Open Redo Save Move To Front Send To back SaveAs Close Align Left CloseAll Center ALL Page Setup Align Right Select All **Printer Setup** Print **Unselect All** Database Select Copy Label To Clipboard t de la Сору Paste Cut Delete

Generic Tool Set

3.2 Advance Tool Set

Advance Tool Set

æ	IP Setting	7	Printer Date/Time Setting
	Set Alarm Parameters	Ş	Download Object To Printer
	Set Alert Message		Delete Printer Object
Q	Search GoDEX Printer	*	Synchronize Printer And GoLabel Object Record
	Printer Control	~	Language
	Virtual Terminal		Style Settings
Q	Calibration Sensor		Enable/Disable Cross Hair

3.3 Object Tool Set

Object Tool Set

N.	Select	202	Pdf 417
-	Horizontal Line		Maxi Code
1	Vertical Line		Data Matrix
/	Oblique Line		QR Code
	Box		Micro PDF
	Filled Rectangle	虁	Aztec
0	Ellipse	N PSPK	TCL39
	Rounded Rectangle		Composite
1D	Bar Code	Т	Text
GS1	GS1 Date Bar Code	Ta	Window Text
			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" Government of "SAVE AS" Covernment 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 **OUT** 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.

≁^x

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.

Label_1 😣		C	Command Area
mm 10 20 30 40 50 60 70 80 9	100 110 120 130 140 150 160 170 180 11	90 200 210 220 230	*Q100,3 *W100
10		<u>^</u> -	^H5 ^P1 ^S3
20			AS3 /AD
			^C1
			▲ ^R0 ~Q+0
		(▲ ^O0 ▲ D0
1234		=	^E12 → ~ R200
50			
50 mm 60 mm			Dy2-me-dd Th:m:s
70			BA3,316,194,3,7,80,0,1,12
70			34 E
80			
90			
90			
100			
110			
120			
130 5			
130		-	-
Label_0 Data I	cord 0 / 10 X: 110.5	Y: 130.3	─ • - • - •

4.2 Open an Existing File

- Click the icon "Open" under 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 1: The file type "ezp" created by Qlabel is able be opened by GoLabel but may not 100% workable unless the file created in Qlabel and save it in "Qlabel Command Area" as the file type of "cmd" format, such as "Test.cmd". Although, these files can be retrieved by GoLabel but if these files have any graphic, photo, picture and curvature objects that created in Qlabel are still not be able to reproduce on GoLabel properly.
- Be noted 2: Only the "Text/ASCII" format of EZPL commands in the file type of "ezp" and "cmd" are retrievable by GoLabel but the inside of download objects (graphic, photo, picture and curvature shape) will be missed, that needs to recreate on GoLabel.

						X
搜尋位置(I):	퉬 Godex		- G 👂 📂			
最近的位置	DBaseIII Download.T EZPX	mp			預覽	
東近的位置	Image Table	x				
探 題櫃						1234
電腦						
網路						
	檔案名稱(N):	Label_0.ezpx	•	開設舊檔(0)	標籤說明	New Label
	檔案類型(T):	All(*.ezpx;*ezp)	•	取消	標籤大小:	100 mm x100 mm

4.3 Change Printer 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.

Printer Setup Printer Interface	
Printer Setup	
Printer Model:	RT230 •
Resolution:	300
Darkness	5
Speed	3.0
Stripper/Applicator	0 (None)
Labels per Cut	0
Printing Mode:	Direct Thermal
11 ¹ Copies of Label	Rotate 180
Fix Number	Ĩ8Ů*
	Ĩ8Ů*
Fix Number	Iso* O Database
Fix Number	Iso* O Database

4.4 Setup Database Printing

- If Database has been created and saved in the printer internal or external memory; it can be either: click icon icon the Generic Tool Set, or just click the right key of mouse on the "Label Design Area" and then select "Printer Setup".
- Click the icon "USE DATABASE", and then choose which row of database going to using; the selected database will show up at the column field of "Data Record to Print" then.

Printer Setup						
Printer Setup Printer Interface Use Database						
Use Database Example: 0.1.3-7.9						
ata F	Record		•			
_		0-1,3,	0,3			
	S/N	PRODUCT	DATE	PRICE	BARCODE	
1	1	Apple	3	12	22258580001	
1	2	Orange	7	8	22258580002	
	3	Banana	2	3	22258580003	
1	4	Watermelon	10	5	22258580004	
	5	Papaya	3	3	22258580005	
	6	Grapefruit	6	7	22258580006	
1	7	Mango	3	6	22258580007	
	8	Peach	2	9	22258580008	
	9	Lemon	5	3	22258580009	
✓	10	Strawberry	2	7	22258580010	
	[Drint	Course		Ewit	
		Plill	Save	:	EXIL	
	Pr 3 Use ata F	Printer Se Use Databa ata Record S/N V 1 2 3 V 4 5 5 6 V 7 8 8 9	Printer Setup Printer Use Database Example ata Record To Print 0-1,3,3 S/N PRODUCT 1 Apple 2 Orange 3 Banana 4 Watermelon 5 Papaya 6 Grapefruit 7 Mango 8 Peach 9 Lemon	Printer Setup Printer Interface Use Database Example : 0,1,3-7, ata Record To Print 0-1,3,6,9 I Apple 1 Apple 2 Orange 7 3 3 Banana 2 Orange 4 Watermelon 5 Papaya 6 Grapefruit 8 Peach 9 Lemon 10 Strawberry	Printer Setup Printer Interface Use Database Use Database Example : 0,1,3-7,9 ata Record To Print 0-1,3,6,9 Image: S/N PRODUCT DATE PRICE Image: Imag	Printer Setup Printer Interface Use Database Use Database Example: 0,1,3-7,9 ata Record To Print 0-1,3,6,9 Image: S/N PRODUCT DATE PRICE BARCODE Image: Apple 3 12 22258580001 Image: Apple 3 12 22258580002 Image: Apple 3 22258580003 Image: Apple 3 22258580003 Image: Apple 3 3 22258580004 Image: Apple 3 3 22258580005 Image: Apple 3 3 22258580005 Image: Apple 3 3 22258580005 Image: Apple 3 6 22258580005 Image: Apple 3 6 22258580005 Image: Apple 3 6 22258580007 Image: Apple 3 22258580009 7 Image: Apple 2 7 22258580009 Image: Apple 3 22258580009 7 Image: Apple 3 22258580009 7 Image: Apple <





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

Printer Setup	Printer Interface	Use Database	
Printer Setup			
Printer I	Model:	G300 ·	
Resolution: Darkness		203	
		5 🔹	
Speed		3.0 🔹	
Stripper	/Applicator	0 (None)	
Labels p	per Cut	0	
Printing	Mode:	Direct Thermal	
Tear-off	Position (m	12	
	0	Rotate 180	
1 ¹ Copies of La	180° bel		`、
⊖ Fix Number	1 💿 Data	abase S/N	•
¹²³ Number of L	abels		
⊖ Fix Number	1 💿 Dat	abase S/N	•
``````````````````````````````````````			
Pr	int C.	ave Exit	

### 4.5 Select Label Size and Media Type

Click the icon



J on the Generic Tool Set

- The label parameters are definable, included "page width", "Page Height", "Left/Right Margin" and "Top/Bottom Margin"
  - $\triangleright$ 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"

Media Size Layout Media Typ	De	Template Page Form:
Page Width (mm)	100	Description:
Page Height (mm)	100	New Label
Left / Right Margin (dot)	0	Label Ordering Preview
	0 mm	
Top / Bottom Margin (dot)	0	
	0 mm	
		PageSize 100 mm x 100 mm
		Label Size 100 mm x 100 mm
Save As Template	Save	Exit

- 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.

ageSetup			
Media Size Layout Media Type		Standard Page Form:	
<ul> <li>Label with gaps</li> <li>Gap Length</li> <li>3  mm</li> <li>Continuous</li> <li>Label with marks</li> </ul>		Description: New Label Label Ordering Preview	
		Page S 100 mm 100 m Label S 100 mm 100 m	

0 🚔 mm
Position
📕 0 🎅 mm
Zsign
- Position Inside

- 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.

leSetup			-
Media Size Layout	Media Type		Standard Page Form:
Print Order Horizontal Horizontal Gap/Pitch Vertical Vertical Gap/Pitch Label Shape	Copv 1 0 1 0	M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M <p< td=""><td>Description: New Label Label Ordering Preview</td></p<>	Description: New Label Label Ordering Preview
Save As Stan	Idard	Save	Page S 100 mm 100 m Label S 100 mm 100 m

### 4.6 Printer Interface Setup

Printer interface: USB, LAN, LPT and Serial Ports 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.

	ter Setup	stup	Printe	vr. Inte	rfage	Ller	e Datab	200			
	Printer Se	stup	Printe	er inte	пасе	Use	ə Datab	ase			
		₽Ъ			Prin	ter Inter	face				
			USB P	ort	GO	EX G30	00#114	50 🔹			
		0	LAN P	ort		. 0 . 0		I			
					9100			 ▼			
		0	LPT Po	ort	LPT			Ŧ			
		0	Serial I	Port	CON	11		Ŧ			
			Baud	Rate:	9600	)		Ŧ			
				Parity:	_	8		Ŧ			
				ta Bits:							
				p Bits:		1					
		0	Driver	Port	God	ex EZPi-	-1200	Ŧ			
		🔽 Au	to Detec	ct Con	nected	Printer	On Sta	irt Up		J	
	ſ			1 1			_				
		Pr	int		S	ave			Exit		
		_	_			_	_	_	_		
Connec	ted Printer:										
nterface	e Type 🔡	Printer M	odel	DPI (d	ot)	USB			Mac A	Address	IP Ad
SB	(	G300		203		GODEX	G300#1	14600D/	A		

Scanning Network Port ..

### 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  $oldsymbol{T}$  .
- 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", "Vertical Expand" and "Size in Dot" 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.

Text Setup			
Text Font Type Data Source			
		Rotation:	Angle 0
Horiz. Expand:	1	📃 Lock Obje	
Verti. Expand:	1	Text Data	
Size in dots:	32	GoLabel	
		1	
		GoLabel	
		COLUBCI	
	1		
	ОК	Cancel	

- 2) In the sub dialog "Font Type", user may choose and define the parameters for the "Internal Font", "Asian Font", "Download Font" and "True Type Fonts
  - > Internal Fonts are built-in on the printer's F/W, only alphabetical text and numbers are existed.
  - > Asian Font, user can choose some Asian font and download it to the printer Flash or USB memory
  - True Type Font (TTF), this new feature provides for user to download TTF file and 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.

Text FontType	Data Source			Font Name	File Name	File Size 🔺
			•	Aharoni Bold (TrueType)	AHRONBD.TTF	50468 Bytes
Internal Font		· ·		Algerian (True Type)	ALGER.TTF	75272 Bytes
Apply Font	Default			Andalus (TrueType)	ANDLSO.TTF	158956 Bytes
🔿 Asian Font				Angsana New (TrueType)	ANGSA.TTF	109808 Bytes
	Download Asian Font			Angsana New Bold (TrueType)	ANGSAB.TTF	106220 Bytes
Apply Font		-		Angsana New Bold Italic (TrueType)	ANGSAZ.TTF	105636 Bytes
				Angsana New Italic (TrueType)	ANGSAI.TTF	103444 Bytes
Download Font				AngsanaUPC (True Type)	ANGSAU.TTF	109784 Bytes
	Download New Font			AngsanaUPC Bold (TrueType)	ANGSAUB.TTF	106236 Bytes
Apply Font		· • ·		AngsanaUPC Bold Italic (TrueType)	ANGSAUZ.TTF	105592 Bytes
True Type Font				AngsanaUPC Italic (TrueType)	ANGSAUI.TTF	103408 Bytes
	Download True Type Font			Aparajita (TrueType)	APARAJ.TTF	222356 Bytes
Built-in		•		Aparajita Bold (TrueType)	APARAJB.TTF	215860 Bytes 🚽
	Download True Type Table					
Built-in	bommodd frac Type Table			Aharoni Bold (TrueType)		
Download Font To U	Disk (USB Disk)					
UDisk Path :						
				OK	Cancel	
		_				

- 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

Text Setup	
Text Font Type Data Source	
General Setup Serial, Variable, Date, Time	Rotation:     Angle 0       Lock Obje       Text Data
Database Insert Fields	GoLabel
Alignment :	GoLabel
ОК	Cancel

# **GoLabel On-line Help**

### 4.8 Using the Fonts Provided by Windows

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. So, it may print slowly if selected too many Windows Fonts in the labels. Besides, the text stream on the label with these Windows Fonts is not be able linking to database, serial number for counting and variable for calculation, etc.

- 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.
- 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.

Window Text Setup	
Window Text Data Source	
Font Change To Graphic	Rotation: Angle 0   Lock Object     Text Data     GoLabel
ОК	Cancel

- 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

Window Text Setup	
Window Text Data Source	
<ul> <li>General</li> <li>Setup Serial, Variable, Date, Time</li> <li>Database</li> <li>Insert Fields</li> </ul>	Rotation:     Angle 0       Lock Object       Text Data
	GoLabel
ОК	Cancel

### 4.9 Create a Barcode

#### 4.9.1 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.
- 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.
- 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.

BarCode Setup		
Symbology Symbology: Code : Height (24~1200) dot: 80 o dot Narrow: 3 ÷ Wide: 7 ÷	Code39  Code 128 Subset	Rotation: Angle 0  Lock Obje Bar Code Data (Please Press <enter> To Refresh Preview Area )    Refresh Preview   IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</enter>
	OK	Cancel

### 2) Human Readable Style

• Click and enter to sub-dialog "Human Readable Style", 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.

BarCode Setup							
Symbology Human Readable	e Style Font <	Rotation: Lock Obje Bar Code Data (Please Press <enter> To Ref 1234 Refresh Preview 1234 1234</enter>	Angle 0  resh Preview Area )				
	ОК	Cancel					

#### 3) Font

Click and enter into sub-dialog "Font", to define the font size, type and font, etc.

BarCode Setup			
Human Readable Style	Font	Data Source	
			Rotation: Angle 0
BuildIn Font			Cock Obje
System Font			Bar Code Data
System Font		Select Font	(Please Press <enter> To Refresh Preview Area )</enter>
Font:	Microso	ft Sans Serif	1234
Point Size:	17		Refresh Preview
Bold			
Italic			
			1234
			1234
		OK	Cancel

### 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 "Database" (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

BarCode Setup	
Human Readable Style Font (Data Source)	
General	Rotation: Angle 0
	Cock Obje
Setup Serial, Variable, Date, Time	Bar Code Data
	(Please Press <enter> To Refresh Preview Area )</enter>
O Database	1234
Insert Fields	Refresh Preview
	1234
ОК	Cancel

#### 4.9.2 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.
- 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.

GS1 DataBar Setup	)		
Symbology: Narrow: Segs/Row:	Human Readable Style Omnidir 3 4		Rotation: Angle 0  Lock Obje Bar Code Data (Please Press <enter> To Refresh Preview Area )  1234567890000  Refresh Preview  (01)12345678900005</enter>
	Oł	<	Cancel

#### 2) Human Readable Style

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

GS1 DataBar Setup				
Human Readable Style	Data Source	∢ ⊳	Rotation:	Angle 0
Position Aligment:	Left, Bottom	•	🔲 Lock Obje	
, i i i i i i i i i i i i i i i i i i i			Bar Code Data	
			(Please Press <enter> T</enter>	o Refresh Preview Area )
			1234567890000	
			Refresh Preview	
			(01)1234567	78900005
	ОК		Cancel	

#### 3) 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 "Database" (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

GS1 DataBar Setup	
Human Readable Style Data Source	Rotation: Angle 0
<ul> <li>General</li> <li>Setup Serial, Variable, Date, Time</li> <li>Database</li> </ul>	Rotation:       Angle 0         Image: Lock Obje         Bar Code Data         (Please Press <enter> To Refresh Preview Area )         1234567890000</enter>
Insert Fields	Refresh Preview
ОК	Cancel

### 4.9.3 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

MaxiCode Setup			
MaxiCode Data Source			
Symbol Number: Number of Symbols: Mode: Post Code: Country Code (3 digit): Service Class (3 digit):	1 (*) 1 (*) 2 (*) 068107317 840 666	Lock Object Message (1~84 characters): 123456	
	ок	Cancel	

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 ^{SCI} "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

MaxiCode Setup	
MaxiCode Data Source	
General	Lock Object Message (1~84 characters):
Setup Serial, Variable, Date, Time	123456
O Database	
Insert Fields	
OK	Cancel

### 4.9.4 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

Pdf417 Setup			
Pdf 417 Data Source		Detetion	
Width: Height: Correction Level: Row Height: Columns: Special Characters:		Rotation: Lock Obje 0123456789 012	Angle 0
	ОК	Cancel	

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 ^{SCI} "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

Pdf417 Setup		
Pdf 417 Data Source		
	Rotation:	Angle 0
General	🔲 Lock Obje	
Setup Serial, Variable, Date, Time	0100450700	
	0123456789 012	
⊙ Database		
Insert Fields		
ОК	Cancel	

# **GoLabel On-line Help**

#### 4.9.5 **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 ۲

DataMatrix Code Setup			
BarCode     Data Source       Multiple (1~8):     Special Characters:		Rotate: Lock Obje Bar Code Data 0123456789	Angle 0
	ОК	Cancel	

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

DataMatrix Code Setup	
BarCode Data Source	
	Rotate: Angle 0
General	🔲 Lock Obje
Setup Serial, Variable, Date, Time	Bar Code Data
	0123456789
⊚ Database	
Insert Fields	
ОК	Cancel

### 4.9.6 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

QRCode Setup			
QRCode Data Source			
		Rotate:	Angle 0
Multiple (1~8):	5	🔲 Lock Object	
Error Correction Level:	Medium		
Mask factor:	7 -	01234566789	
Туре:	Enhanced •		
Data Mode Character Set:	Mixing Mode		
Special Characters:	•		
	OK	Cancel	

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".

• 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

QRCode Setup		
QRCode Data Source		
	Rotate:	Angle 0
General	Lock Object	
Setup Serial, Variable, Date, Time	01234566789	
⊙ Database		
Insert Fields		
ОК	Cancel	

# **GoLabel On-line Help**

### 4.10 Drawing Line, Rectangle and Circle

### 4.10.1 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
Line	, vertical Line 🖷	or Oblique Line 🗸

II.

• 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.

1

- 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

Horizonta	l Line S	etup			-
Length :		393	* *	49.125	mm
Thickness	C	12		1.5	mm
Lock C	bject				
		Line St	yle		1
● o, overwrite   ○ e, Inverse					
	ок		C	ancel	]

### 4.10.2 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

Fill R	ectangle Se	tup			
Widt	h:	374		46.75	mm
Heig	iht:	266		33.25	mm
	ock Object				
		Line St	yle		
● o, overwrite					
	ок		С	ancel	1

#### 4.10.3 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

Rectangle Setup				
Rectangle				
Width:	296 🌒 37	mm	Lock Object	
Height:	232 🌲 29	mm		
Horizontal Line Thickness:	4			
Vertical Line Thickness:	4			
	ок		Cancel	

#### 4.10.4 Drawing Rounded Rectangle

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

Round Rectangle Setup			
Round Rectangle			🖂 Lock Object
Width:	496 🊔 62	mm	
Height:	368 🍨 46	mm	
Thickness	4 💽 🛛 Line		
Fill Patterns:	LargeGrid		
Brush Color	White	•	
	ОК		Cancel

#### 4.10.5 **Drawing Circle or Ellipse**

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



J 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.
- Double click to the circle/ellipse that will pop up a "Setup" dialog for the width, height, thickness, fill pattern and brush color editing

Ellipse Setup		
Ellipse		
Width: Height: Thickness Fill Patterns: Brush Color	462 ♥ 57.75 mm 400 ♥ 50 mm 2 ♥ ♥ Line LargeGrid ♥ White ♥	Lock Obje
	ОК	Cancel

### 4.11 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".
- 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"

Graphic Setup			
Graphics Source Graphic	cs Operation		
From File	Select Image File	Rotation:	0
<ul> <li>From Clipboard</li> <li>From Downloaded Graph</li> </ul>			
General			
Setup Serial, V	ariable, Date, Time		
O Database			
-			
Select From Download Record	) <b>v</b>		
	ОК	Cancel	

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

Graphic Setup			
Graphics Source G	raphics Operation		
		Rotation:	0
Width:	100	Lock Object	
Height:	100 🚔 12.5 mm		
Flip:	None		
Color Inverse			
HalfToning <ul> <li>None</li> <li>Cluster Dithering</li> <li>Dipersed Dithering</li> <li>Diffusion Dithering</li> </ul>			
	ОК	Cancel	

## 4.12 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

Label Design Area by the icon "Import"

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

IN

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.

Label_0 Ø	1	Comma	and Area
			AC100.3 AW100 AH5 AP1 AS3 AAD AC1 AR0 -Q+0 AO0 AD0 AE12 -R200 AL Dy2-me-dd Th.m.s BA3,340,482,5,12,184,0.3,1234 AD,420,350,2,2,0,0,GoLabel E

# 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.

Text Setup	
Text Font Type Data Source	Rotation: Angle 0 • Lock Object Text Data RC2 AC1 AC9 GoLabe 1000 100 1 GoLabel
ок	Cancel

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.

Setup Serial, Variable, Date, Time		
Data		
^C2 ^C1 ^C0 GoLabel		
Insert Serial/Variable/Time/Date		
Serial No: ^C0,1,+1,Prompt1 ^C0,1,+1,Prompt1	(Insert) (Edit	
Variable ^C1,A100,+1,Prompt2 ^C2,C1000,+1,Prompt3	Insert Edit	
Variable	Lon	
Expiration Hour (0~999) Minute (0~59)		_
Time: 0 0	Insert Edit	
Expiration Date (0~9999) Hour (0~23)		
Date: 0 0	Insert Edit	
Variable Calculation OK	Cancel	

- 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: Click "Add" first, Set "Starting Value" to 1 and other parameters, then Click "Modified"
- In column 1: Click "Add" first, Set "Starting Value" to 100 and other parameters, then Click "Modified"
- In column 2: Click "Add" first, Set "Starting Value" to 1000 and other parameters, then Click "Modified" 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 "^C2 ^C1 ^C0 GoLabel". (A space is manually inserted in between the S/N 0, 1 and2)
- The Print Out is first label "1000 100 1 GoLabel", second "1001 101 2 GoLabel", third "1002 102 3 GoLabel", etc.

		E	dit Serial Number				
Startir	ng Value	1	Prompt for valu	ie before print	Prompt		_
Increi	ment/Decrement	+ •	Radix		Decimal	(0~9)	
Step		1					
						1	
		Add	Clear	Clear	All		
	~	Se	rial Number Table				
	Starting Value	Increment/Decremer	Step	Prompt for v before print		Radix	
0*	1	+	1	Prompt		Decimal (0~9)	
1*	100	+	1	Prompt		HexaDecimal (0~9	. 1
2*	1000	+	1	Prompt		Base36 (0~9 A~Z)	
▶3							-[
4							
5							
6							

#### 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.

Serial Nu	umber Maintain	-		_	
		E	dit Serial Number		
Star	rting Value	1000	Prompt for value	before print S/N #3	
Inci	rement/Decrement	+ •	Radix	Decima	al (0~9)
Ste	p	1			
		Add	Clear	Clear All	$\supset$
		Se	rial Number Table		
	Starting Value	Increment/Decremer	Step	Prompt for value before print	Radix
0'	• 1	+	1	S/N #1	Decimal (0~9)
1*	• 100	+	1	S/N #2	HexaDecimal (0~9 =
2'	• <b>1000</b>	+	1	S/N #3	Decimal (0~9)
▶3					
4					
5					
6					-
		ок		Cancel	

### 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 "Modified" 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 (Bug)

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

- Select column 0: Click "Add" first, Set "Set Maximum Number of Character" to 3 and other parameters, then Click "Modified"
- Select column 1: Click "Add" first, Set "Set Maximum Number of Character" to 4 and other parameters, then Click "Modified"
- 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 "^V01 ^V00 GoLabel". (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 "VAR1 VAR GoLabel", second "var1 var GoLabel", etc.

Setup Serial, Variable, D	Pate, Time			
Data				
^V01 ^V00 GoLabel	>			
	Insert Se	erial/Variable/Time/Date	•	
Serial No:		•	Insert	Edit
Variable :	^V00,3,Prompt,jl8 ^V00,3,Prompt,jl8		Insert	Edit
	^V01,4,Prompt.jc8 Expiration Hour (0~999)	Minute (0~59)		
Time :	0	0	Insert	Edit
	Expiration Date (0~9999)	Hour (0~23)		
Date :	0	0	Insert	Edit
Vari	able Calculation	ок	Cancel	

			Edit Variable		
Set max	imum number of character	s 4 🚔	Field length	8	mm
Prompt	test for this variable field	Prompt1	Alignment	ji (	Left Aligment)
Prompt	State When Printing	1 - Prompt Once			
		Add	Clear	Clear All	
			Variable Table	L	
	Set maximum number of characters	Alignment	Field length	Prompt test for this variable field	Prompt State When Printing
0*	3	jl (Left Aligment)	8	Prompt0	1 - Prompt Once
▶1*	4	jl (Left Aligment)	8	Prompt1	1 - Prompt Once
N					
2					
2				1	
3					
3					
3 4 5					
3 4 5 6					

### 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.
- 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.

			Edit Variable		
et max	imum number of character		Field lengt	th 8	
rompt	test for this variable field	Name	Alignment	ji (l	_eft Aligment)
rompt	State When Printing	1 - Prompt Once	•		
					_
		Add	Clear	Clear All	
			Variable Table		
			Valiable Table		
	Set maximum number of characters	Alignment	Field length	Prompt test for this variable field	Prompt State When Printing
0*	8	jl (Left Aligment)	8	Name	1 - Prompt Once
1*	4	jl (Left Aligment)	8	Prompt 1	1 - Prompt Once
2					
3					
4					
5					
5 6					
	•				

#### 5.4 **Date Time setting**

#### Setting Date/Time to the RTC of Printer 5.4.1

- Click the Icon "Printer Date Time Setting" To 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

Date	Time			
2012/02/09 1	4:48:33			

#### Add Date/Time in Label 5.4.2

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" After selection, please click either or both icons "Insert" to insert the RTC's Date/Time to the Object.

Setup Serial, Variable, [	Date, Time			
Data				
^D ^T GoLabel				
	-			
		nsert Serial/Variable/Time/Da	te	
Serial No:		•	Insert	Edit
			Insert	Edit
Variable :		•	Insert	Euit
í.	Expiration Hour (0-	~999) Minute (0~59)		Ì)
Time :	0	0	Insert	Edit
	Expiration Date (0~	9999) Hour (0~23)		
Date :	0	0	Insert	Edit
N				/
Var		ок	Cancel	

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 Date/Time and click the icon "Insert" to insert date/time and expiration date/time if necessary
- Please be sure the printer is "Ready" before that sends the commands to the printer

Date Format :	
12-05-2	<u>`*</u>
2 12-MAY-2	E
2012-05-2	
2012-MAY-2	
05-2-12	
MAY-2-12	*
Time Format :	
h:m:s	~
🗹 h-m-s	=
h/m/s	7
	,+

Year Setup	Format
Four Digital	
Two Digital	y2-me-dd
Month Setup	Reset
O Numeric	Insert Year
Letters	Insert Month
Date seperator :	Insert Day
Time Seperator :	Insert Julian Day
ок	Cancel

#### 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".

Symbology	Human Readable Style	Font	Data Source	•		
) General				Rotation:	Angle 0	
	Setup Serial, Variable	, Date, Tii	me	Bar Code Data		
Database				(Please Press <enter> To R</enter>	efresh Preview Area )	
	Insert Fields			Refresh F	review	
					1234	
			ок	Cancel		

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

Database Query		Connection           SQL         Access         Oracle         Excel         Text         DBF
Database Tables Sheet15 Sheet35 Sheet35	Fields of the Selected Table	Select or enter a spreadsheet name File Name: w product/GoLabeNExcel test file\test-1.xisx Browse
Disconnect Database New Connection	Cancel OK	Cancel Test OK

#### 5.5.2 Select Database

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

	Item	Part Number	Name	Unit Price	QTY	Amount
▶0	1	A123456-00	AAA	10	1	10
1	2	A123456-01	BBB	11	2	22
2	3	A123456-02	CCC	12	3	36
3	4	A123456-03	EEE	13	4	52
4	5	A123456-04	FFF	14	5	70
5	6	A123456-05	GGG	15	6	90
<						

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"

Text Font Type Data Source			
🔘 General	Rotation:	Angle 0	
Setup Serial, Variable, Date, Time	Text Data		
Database	GoLabel ^F03 ^F04 ^F05		
Insert Fields			
Alignment : Left 🔹	GoLabel	10 1 10	

FieldName:	
01:Part Number	
ок	Cancel
	Cancel

## 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.

Printer Setup Printer Interface	Use Database		
BPLef	Printer Interface		
O USB Port	GODEX RT700i#20120426	Y	
LAN Port	192 . 168 . 102 . 174	I	
	9100	<b></b>	
C LPT Port	LPT2	-	
◯ Serial Port	COM1	Ŧ	
Baud Rate:	9600	·••	
Parity:	None	The second secon	
Data Bits:	8	Y	
Stop Bits:	1	*	
O Driver Port		Ŧ	Q=
Auto Detect Connect	ed Printer While Start Up		
Print	Save	Exit	

• Next step is to click the icon in "Advance Tool Set", which will search to the Ethernet networking and

find out where the GoDEX printer is as following dialog.

Scan Godex Printer				
Alias Name	Serial No.	Mac Address	IP Address	Miscellaneous
⊡ 🕂 Printer ⊡ Aa456	000000	00-1D-9A-00-0C-51	192.168.102.174	9100
GoLabel		14-DA-E9-AC-2E-DE	192.168.102.172	BOOT 1.002 F/W:RT700i V1.003 (Apr 11 2012 14:3 PCB:257001 Version: 1.0.4505.17533 Build Date:2012/5/2 上午 09:44:26
	Scan Printer		Exit	

#### 5.6.2 Setting IP Address



Click the icon in "Advance Tool Set", the IP address will be get from DHCP Server

automatically, or select "Static IP" to key in it by user manually.

Alias Name:	Aa456
	Length(1~16)
Port No:	9100
Default Gateway:	192 . 168 . 0 . 254
<ul> <li>Get IP From DH</li> <li>Static IP</li> </ul>	ICP Server
Static IP	ICP Server
<u> </u>	

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

#### 5.7.1 Download Font

- Click the icon in the "Advance Tool Set" and 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" **The set of the set** 
  - "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

Graphics	Please Select Objects Font Font Formats	DBF	Cmd File
 Туре	Download NamelD	Downlo Name	oad Size: 129 Bytes
LBL	Label_0	Label_0	129
 Show Confirm Dialog	when Delete Download Items Path Start Download	) Exit	

字型			? 🛛
字型①: Arial O Arial Black O Arial Narrow O Arial Unicode MS 开 Ascii O Baskerville Old Face 开 Batang	字型樣式( <u>(</u> ): 相體 標準 斜體 <mark>相證</mark> 相斜體	大小(S): 28 22 24 26 28 36 36 48 72	確定 取消
<ul> <li>☆果</li> <li>□ 刪除線(Ľ)</li> <li>□ 底線(U)</li> </ul>	範例 <b>AaBb</b> 字集( <u>R</u> ): 西歐	<b>Yv</b> .	

VA
Discard

### 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.

_	id Printer Object Syr elete Printer's Object		🚽 Download Object To	Printer
XN	o Action To the Printe	Object	🚽 No Action To the Ob	ject
	FileType	NamelD	GoLabel	Printer
•	Bitmap Font	VA	True	True
į	LBL	Label_0	True	True
		ок	Discard	

### 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 "Editing Label" and asking the name in the sub-dialog, then click "Start

Download" to download "Label Format" to the User Flash of the printer.

Obj	ject Dov	vnload				
			Plea	ase Select Objects	To Download	
	G	araphics	Font	Formats	DBF	Cmd File
					Dow	nload Size: 129 Bytes
		Туре	Download N	amelD	Name	Size
	•	LBL	Label_(	0	Label_0	129
			log when Delete Do	whiload Items		
	Dow	nload To UD	SK Path			
		$\subset$	Start Downloa	ad	Exit	

New Name:	Labe	a <u>l 0</u>	
	OK	Discard	

#### 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 mouseand 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.

Objects Delete			
Delete All Object and Format Provide the Comparison of the Comp	rinter File System object file when delete printer objec	t	Object Thumbnail
Туре	File Name	File Size	
Format Format Font Font BF Free Memory	Flash	4073 KB	
Delete	Get File Information	Exit	Delete All GoLabel Objects

* DBF, PNG and other editing methods only support file editing less than 256 KB. Files larger than this size will not be included in the editable list. This restriction does not affect the database's data application.

#### 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.

• Below dialog showing, Bitmap Font VA and label T001 are existed in GoLabel software but "False" in the printer; then click "OK" if user wanted to synchronize all the GoLabel existed objects to the Printer, thus both status are changed to "True" when synchronization (copy) completed.

GoLabel a	GoLabel and Printer Object Synchronize								
×	K Delete Printer's Object 🤌								
X	No Action To the Printer Object								
	FileType	NamelD	GoLabel	Printer					
•	Bitmap Font	VA		False					
	LBL	T001		False					
	OK Discard								

G	GoLabel and Printer Object Synchronize								
	Delete Printer's Object 🖉								
	No Action To the Printer Object								
l		FileType	NamelD		GoLabel	Printer			
	•	Bitmap Font	VA		True	True			
		LBL	T001		True	True			
			ок		Discard				

### 5.8 USB Disk Access Function

### 5.8.1 Main Display Screen

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

Generic	Advance	ACCULATION OF A
📖 🖳 🧧	s 🖉 🗖 🚾 🖏 😤 🚍 😵	💼 📩 🍾 🛢 🔶 📄
Shape	Label_0 🖸	
Bar Code	mm 10 20 30 40	50 60 70 80 90
Text		
Graphics		
<b></b>	10	
	20 =	
		Page Setup
	30 =	Printer Setup
		Select All
	40	Move To Front
		Send To Back
		Delete
	50 -	Cut
	-	Сору
	60	Paste
		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.

🖳 USB Disk Access				
USB Disk Path : H:\				
Туре	File Name	Description	File Size	
Label				
Graphic				
Font (Bitmap)				
Font (Asia)				
TTF				
TTF Table				
DBF				
Free Memory	UDISK	USB Disk	231227392 Bytes	
Add Delete	Selec	et All Ui	n-Select All	Exit

• Input relevant settings and click OK.

New Name:	abel_0	
Print Automatic		
🔲 Real-Time Clock Setup		
📃 Save Format As Auto Form		
ок	Cancel	ľ

USB Disk Path : H:\				
Туре	File Name	Description	File Size	
En Craphie	Label_0		611 Bytes	
Font (Bitmap)				
🗆 🖍 Font (Asia)				
TTF				
🔲 ᇌ TTF Table				
DBF				
Free Memory	UDISK	USB Disk	231223296 Bytes	
Add Dele	te	Select All	Un-Select All	Exit

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

COMPUTER + A	DATA UFD (H:) + LABELDIR + LBL
✤ My Favorite	Name ^
🔲 Desktop	Label_0.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.

Text Font Type Data Source		Rotation:	Angle 0	E
Internal Font     Apply Font     Default		Lock Object		
O Asian Font				
Apply Font				
O Download Font	DATA2 (E:)	^		
Apply Font	> 🔮 DVD RW 磁磁機 > 👝 ADATA UFD (H:)			
Download True T	▷ ♀ RD (\\fileserver\) ▷ ♀ Share (\\fileserver)	er) (S:)		
Download True Ty	⊳ 😴 DCC (\\fileserver ⊳ 😴 Data (\\fax) (U:)	COLOR DE LA COL		
Built-in				
Download Font To UDisk (USB Disk) UDisk Path : H1		confirm cancel		
	ок	Cancel		

• Select to font type you are doing to download.

Text FontType Data Source	Rotation: Angle 0
Default	Lock Object
Asian Font	Toxt Data
Download Asian Font	Download Asian Font
Apply Font Download Font Download New Font	Chinese Tranditional (BIG5) Chinese Simplified (GB)
Apply Font	C Japanese
Download True Type Font	24x24 (Size: 991,232 bytes)
Download True Type Table	Create Download Font File
Built-in	
Z Download Font To UDisk (USB Disk)	
UDisk Path : H:\	
ок	

#### • Font downloaded.

Text FontType	Data Source				
<ul> <li>Internal Font</li> </ul>			Rotation:	Angle 0	
Apply Font	Default	Ŧ	Lock Object		
Asian Font			Text Data		
	Download Asian Font		GoLabel		
Apply Font	AZ1: 標楷體 (Size: 24x24)	•			
Oownload Font					
	Download New Font				
Apply Font		•			
True Type Font			GoLabe1		
	Download True Type Font		UULADET		
		*			
	Download True Type Table				
Built-in		· • ·			
🔽 Download Font To U	JDisk (USB Disk)				
UDisk Path : H:\					

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

		<b>⊨ •</b> □
•	AAChinese_CT.AFNT	
<ul> <li>WIN7 (C.)</li> <li>DATA1 (D.)</li> <li>DATA2 (E:)</li> <li>DATA3 (F.)</li> <li>ADATA UFD (H.)</li> <li>adata</li> </ul>	E	
LABELDIR     Music     RD (\\filesenuer\Dent Data) (R')		

### 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.

	Please Select	Objects To Download	
Graphics		mats DBF	Cmd File
		Downloa	d Size: 129 Byte
Туре	Download NamelD	Name	Size
► LBL	Label_0	Label_0	129
Show Confirm Dialo	ig when Delete Download Ite	ms	
<ul> <li>Show Confirm Dialo</li> <li>Download To UDIS</li> </ul>		ms	

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)

	DATA UFD (H:) > LABELDIR > LBL
	Name
r My Favorite 🗾 Desktop	Label_0.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.



Sample	(12)090323	Cr	neck Data		
AI	Desciption	(111	110506121	10516	
00	SSCC-18 Serial Shipping Container Code		AI	DATA	FORMAT
01	SCC-14 Shipping Container Code(GTIN)			110506	I abaalid
02	Item Number of Goods Contained Logistic Unit(GTIN)	1	11	110000	Check1
10	Batch or Lot Number	2	12	110516	Check2
11	Production Data(YYMMDD)	N			
12	Due Date(YYMMDD)	3			check3
13	Packaging Date(YYMMDD)	-			
15	Best By Date(Quality)(YYMMDD)	4			check4
17	Experiration Date(Safety)(YYMMDD)	5			check5
20	Product Variant	_			
21	Serial Number	6			check6
22	HIBC-Quantity, Expiration Date, and Lot Number				
23	Lot Number(Transition Use)	7			check7
240	Additional Product Identification Assigned by the Manu	8			check8
241	Customer Part Number	8			
250	Secondary Serial Number	9			check9
251	Reference to Source Entity				
253	EAN.UCC Global Document Type Identifier(GDTI)	10			check10
30	Variable Count	Co	mbine Item	IS :	I
310	Net Weight(Kilograms)	1.2	2.		
•	III				Combi
•					Com

#### 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.

GS1-Datenleiste einrichten	
Symbology Lesbare Schrift Datenquelle	
	Drehen: 0 Grad 💌
Symbology:	Objekt Fests
Truncated	Textdaten
Drehen: Stacked Omnidir Stacked	(Drücken Sie nach der Dateneingabe auf <enter», den="" um="" vorschaubereich<br="">zu aktualisieren)</enter»,>
Segmente/Reihe: Omnidir	1234567890000
Expanded Expanded Stacked	Vorschau aktualisieren Al Wizard
	(01)12345678900005
ОК	Abbrechen

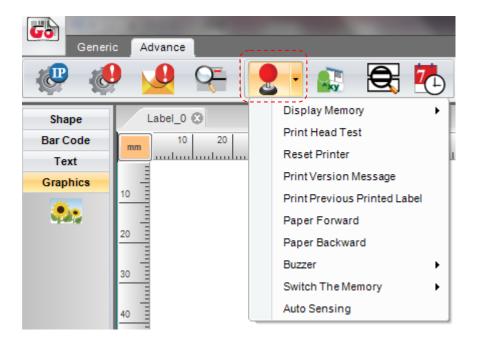
# 7. Further Advance Tool Set

## 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 Version Message : 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
- <u>Buzzer</u> : 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



## 7.2 Virtual Terminal

2)

Click the icon "Virtual Terminal" will pop up a dialog to emulate the function of virtual terminal for user to 1)

send EZPL command to control printer directly.

Click the icon "Language" to set the preferring language for user that up to 19.

3) Office 2010 or Windows 7 °

Click the icon "Style Settings" to set the preferring color to GoLabel operation screen, such as Office 2007,

	; 7	Ç	i 🔶	<b>?</b>	•	•
Virtual Termin	al					
Command	:					
	Send		Exi	t		
						-