User Manual

GoDEX

DT200(i)(L)+ Series

Thermal Label Printer

DT200(i)(L)+ Series User Manual
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FCC COMPLIANCE STATEMENT
FOR AMERICAN USERS

This equipment has been tested and found to comply with the limits for a **Class B** digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

TO WHICH THIS DECLARATION RELATES
IS IN CONFORMITY WITH THE FOLLOWING STANDARDS

IEC 62368-1:2018

EN 55032:2015/A1:2020, Class B
EN IEC 61000-3-2:2019/A1:2021
EN 61000-3-3:2013/A2:2021
CISPR 32:Ed. 2.1
AS/NZS CISPR 32:2015 AMD 1:2020

EN55035:2017/A11:2020
CISPR 35:Ed. 1.0

FCC CFR Title 47 Part 15 Subpart B:2021, Class B
ICES-003 Issue 7:2020, Class B

SAFETY INSTRUCTIONS

Please read the following instructions carefully.

1. Keep the equipment away from humidity.
2. Before you connect the equipment to the power outlet, please check the voltage of the power source.
3. Make sure the printer is off before plugging the power connector into the power jack.
4. It is recommended that you connect the printer to a surge protector to prevent possible transient overvoltage damage.
5. Be careful not to get liquid on the equipment to avoid electrical shock.
6. For safety and warranty reasons, ONLY qualified service personnel should open the equipment.
7. Do not repair or adjust energized equipment under any circumstances.
8. Before disassemble the cutter, please turn off the power and wear the gloves on.

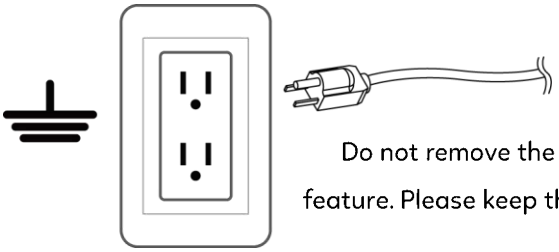
*This device is not suitable for the areas where children may appear

Hot parts!

Burned fingers when handling the parts

Wait one-half hour after switching off before handling parts.

The blade is sharp, please do not touch.



Do not remove the ground pin of power cord. Grounding is an important safety feature. Please keep the power cord grounded all the time

Caution

- Danger of explosion if battery is incorrectly replaced. Replace only with the equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the manufacturer's instructions.
- Only use with designated power supply adapter model.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Specifications are subject to change without notice.

1 Thermal Label Printer

1.1 Box Content

DT200+ Series

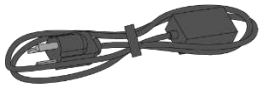
DT200L+ Series

DT200iL+ Series

DT200i+ Series

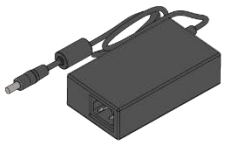
※Package content may vary per region.

- Power cord



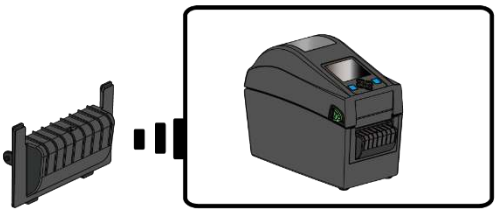
- USB cable

- Power adapter



- DT200+ Quick guide

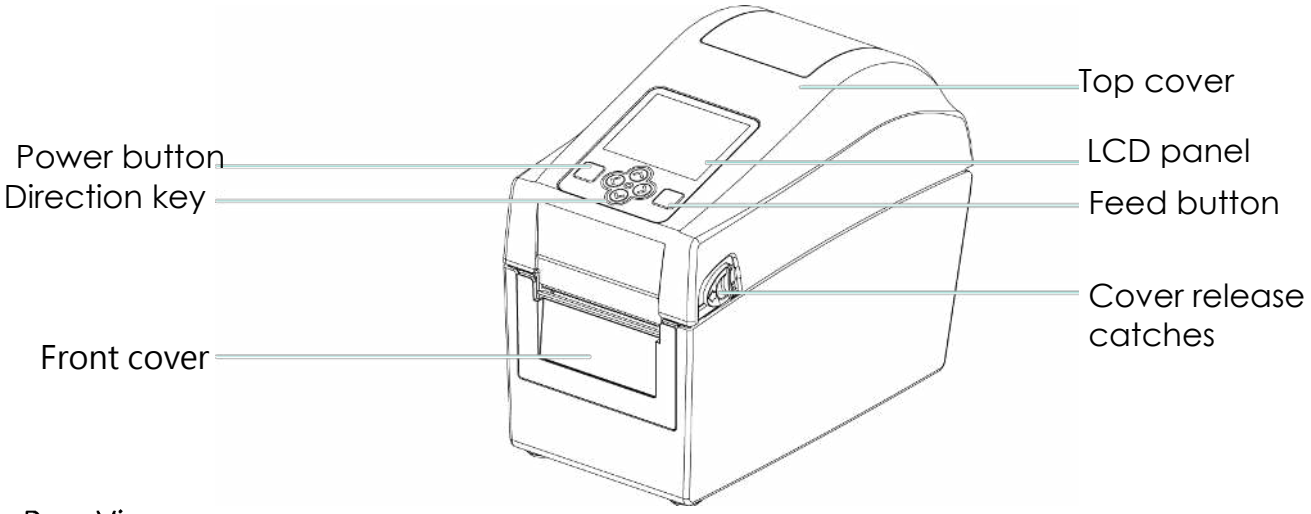
- *Peel detection board



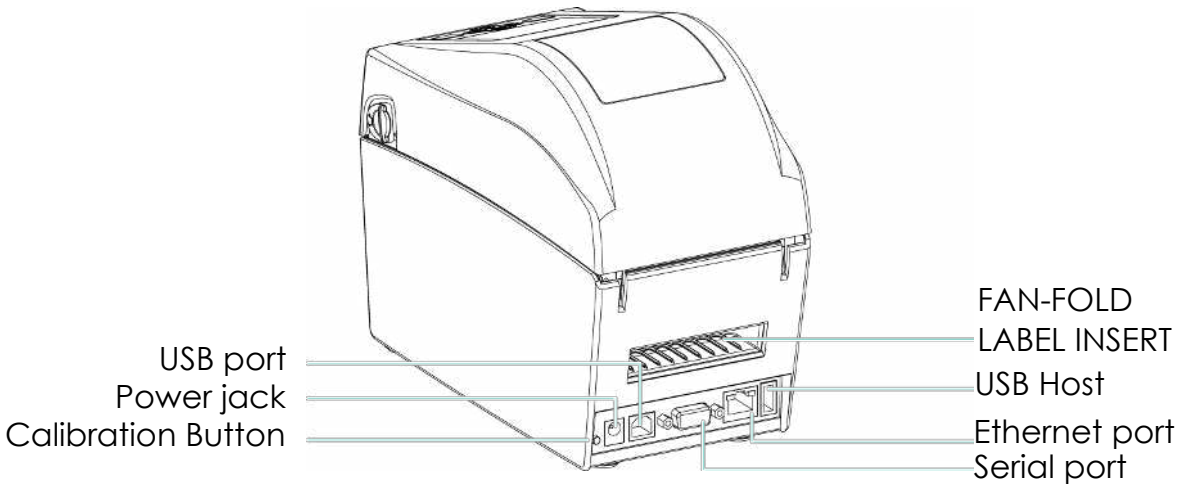
*Only for DT200L+/DT200iL+ Series

1.2 Getting to know your printer

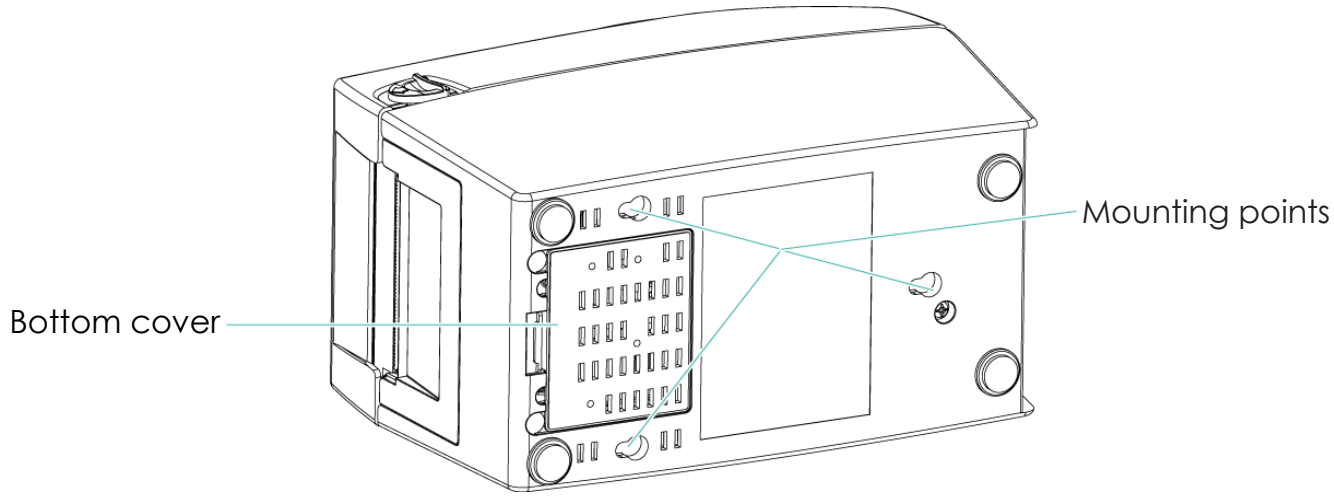
Front View



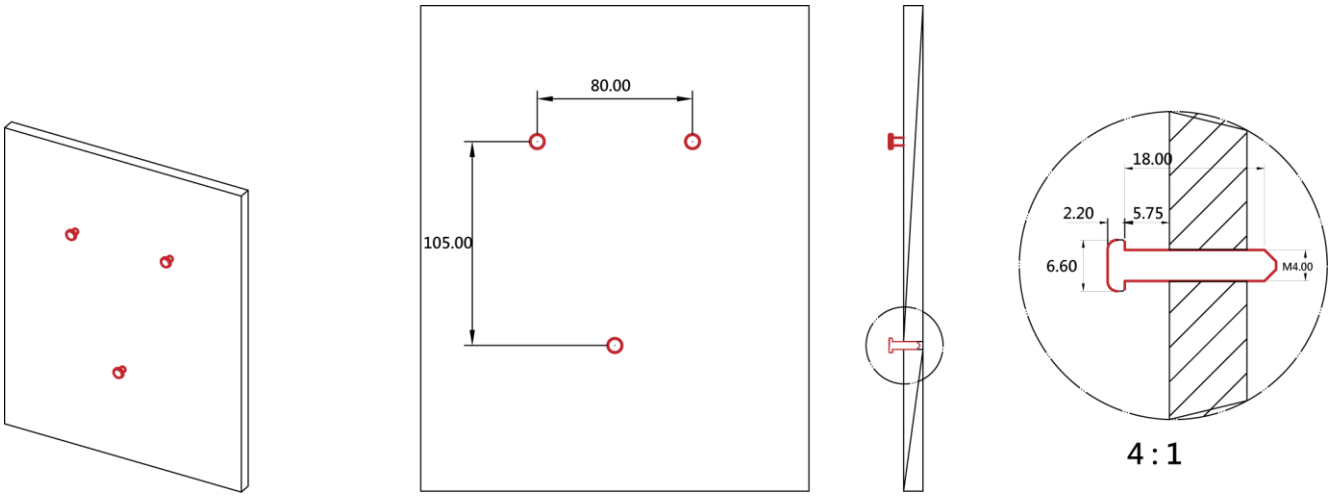
Rear View



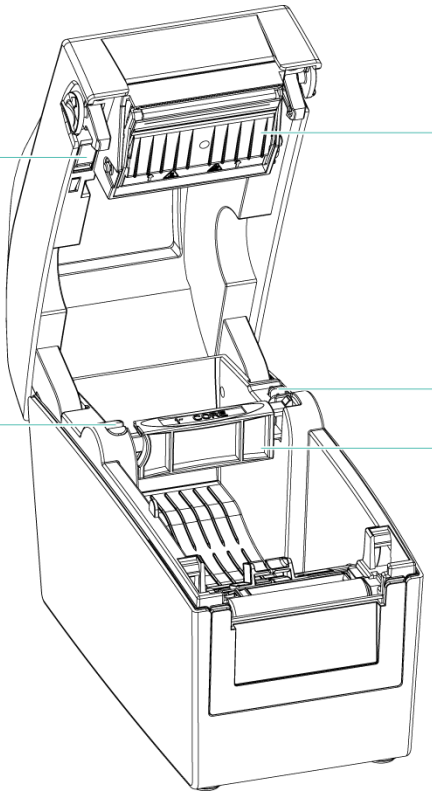
Bottom View

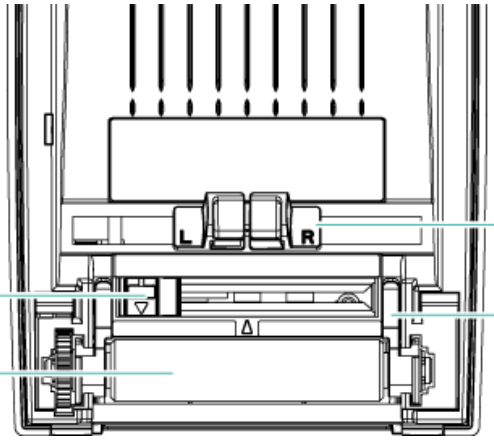


※Specifications of the wall-mounted screws.



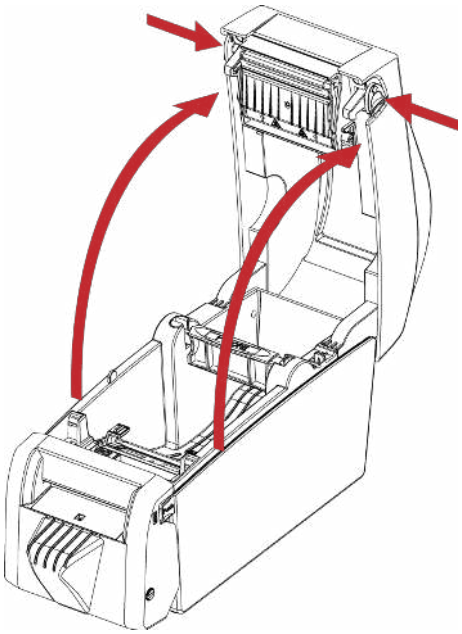
The Internal view of printer



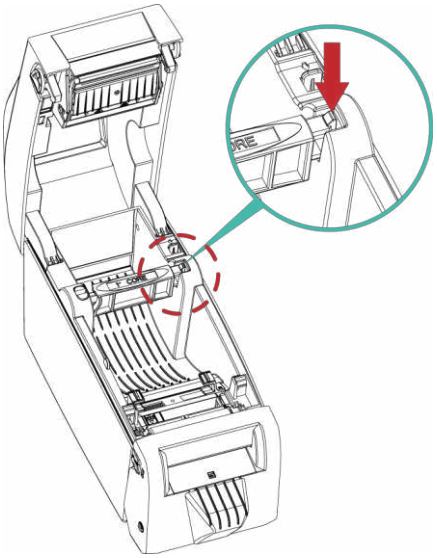


2 Printer Setup

2.1 Loading the label(The following uses the DT200iL+ series for explanation)

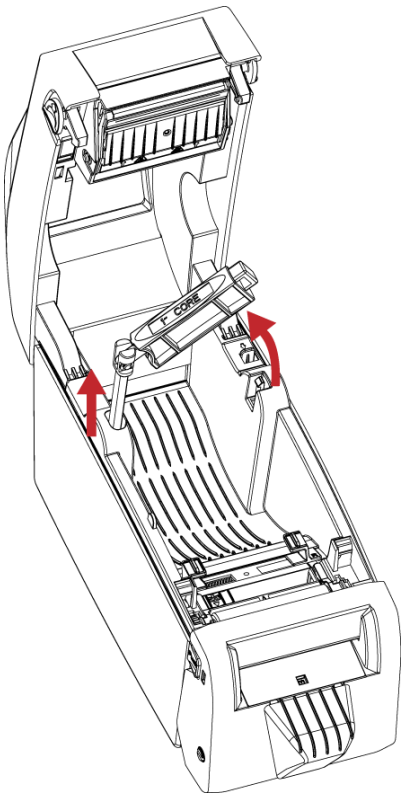


1. Place the printer on a flat surface and open the printer cover.

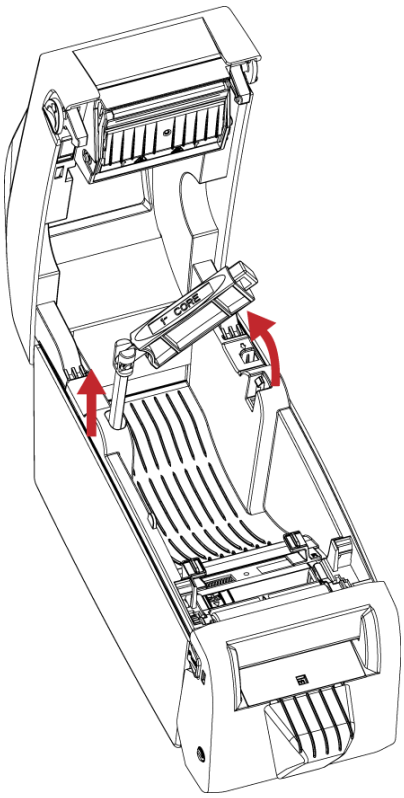


2. Release the label supply hub.

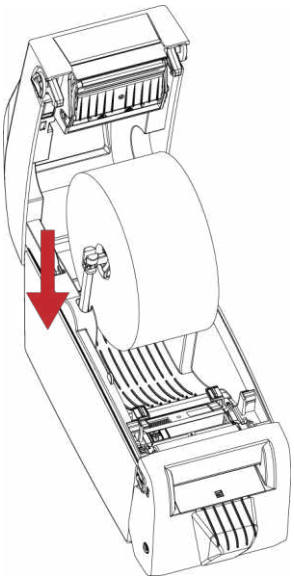
3. Lift the label roll holder and pull it out as far as possible.

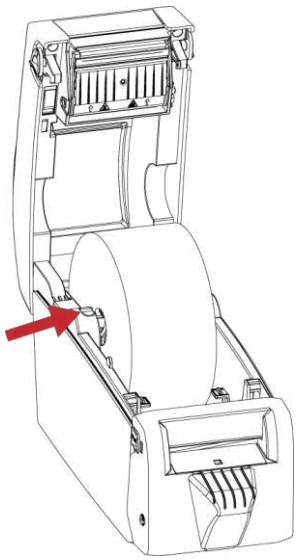


4. Install the label roll on the label supply hub.

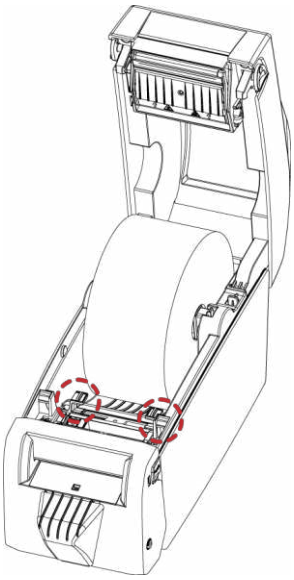


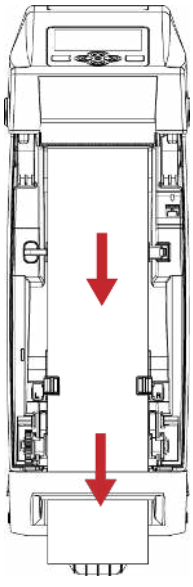
5. Now press the label roll holder down until it clicks into place.



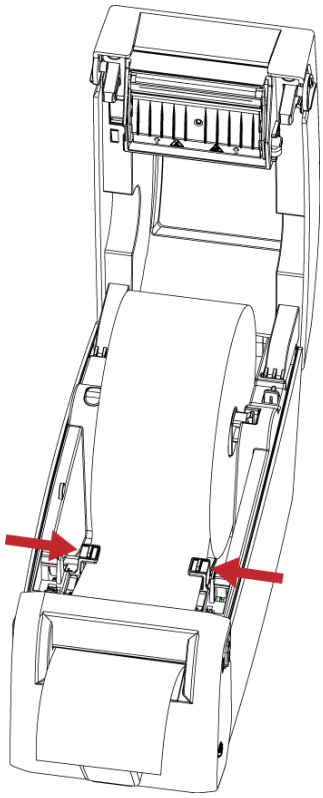


6. Pass the label under the paper guides and pull it forward.

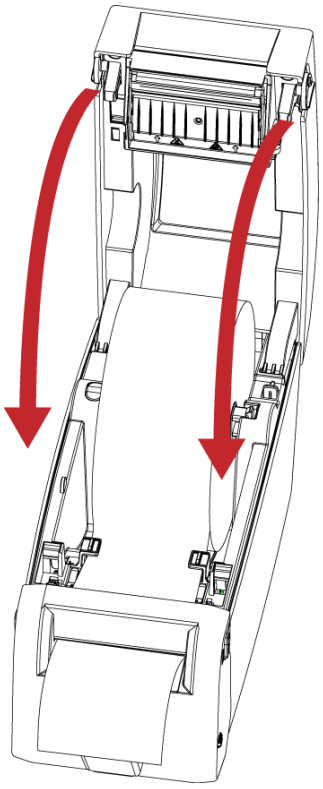




7. Adjust the paper guides to the width of the label liner.

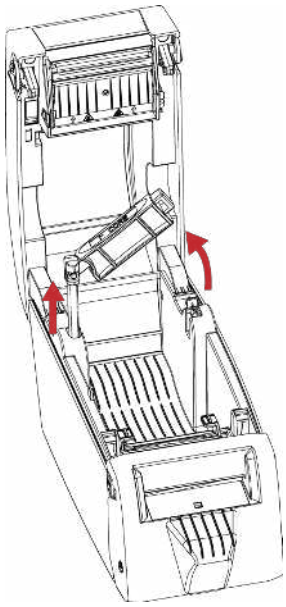


8. Close the printer cover to finish loading the labels



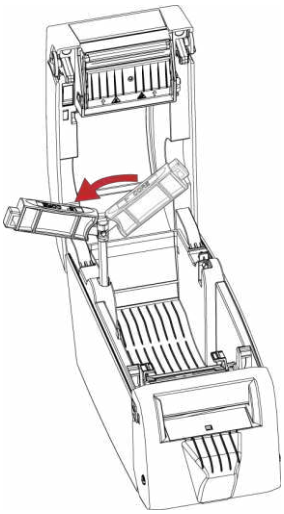
2.2 Switching label roll holder

1. Pull the label roll holder out as far as it will go.

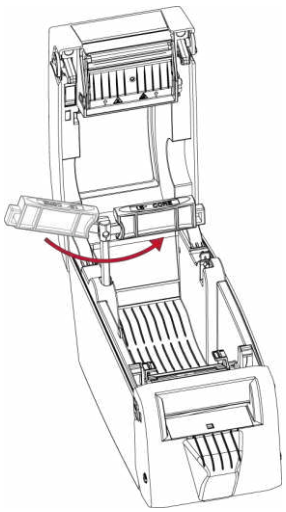


*If the label supply hub is not pulled all the way up, the label supply hub will not rotate.

2. Fold out the label supply hub as shown in the illustration.

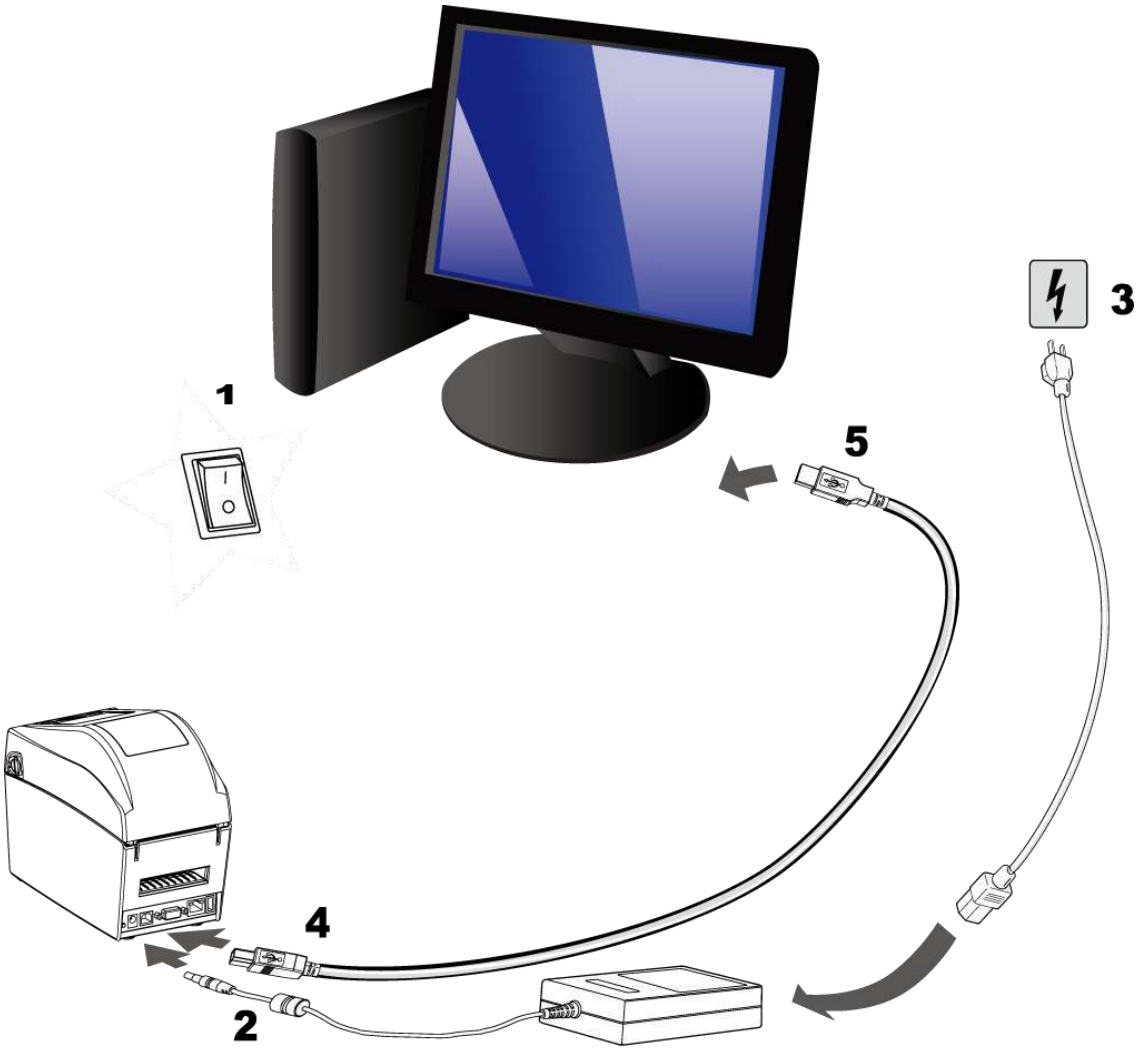


3. Now rotate the label roll holder to return the label supply hub to its original position.
Press down the label supply hub until it clicks into place.



2.3 Connecting the Printer to the Host Computer

1. Please make sure that the printer is switched off.
2. Connect the power cord to the AC adapter and connect the adapter to the printer.
3. Connect the USB cable to the printer and host computer.
4. Switch on the printer. The operator panel should now light up.



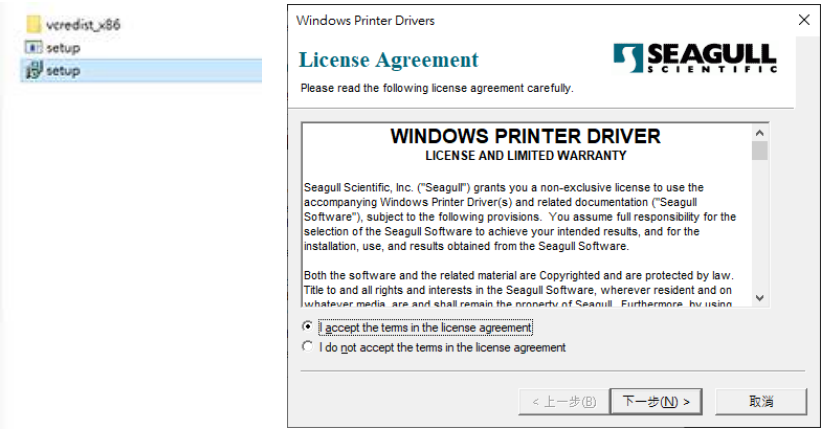
2.4 Installing printer driver and GoLabel II

Relevant documents and software can be found and download on GoDEX official website.

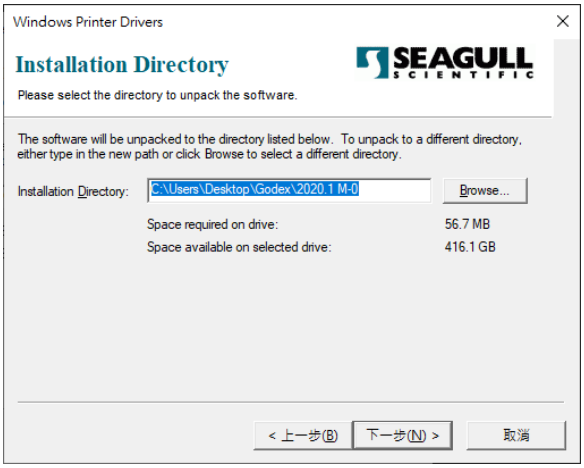
Driver

Step1. Click the compressed driver file in the folder.

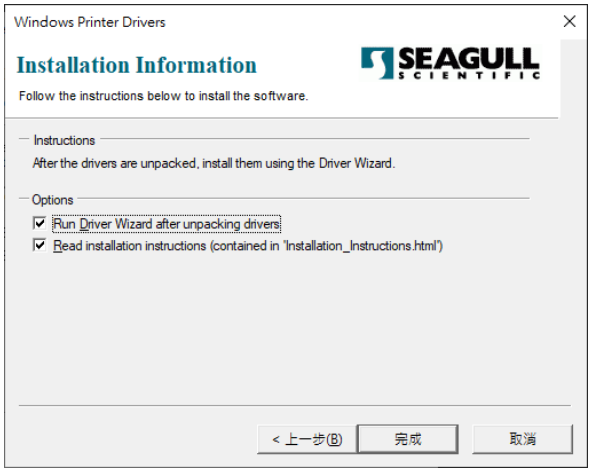
Select "I accept the terms in the license agreement." and click "Next".



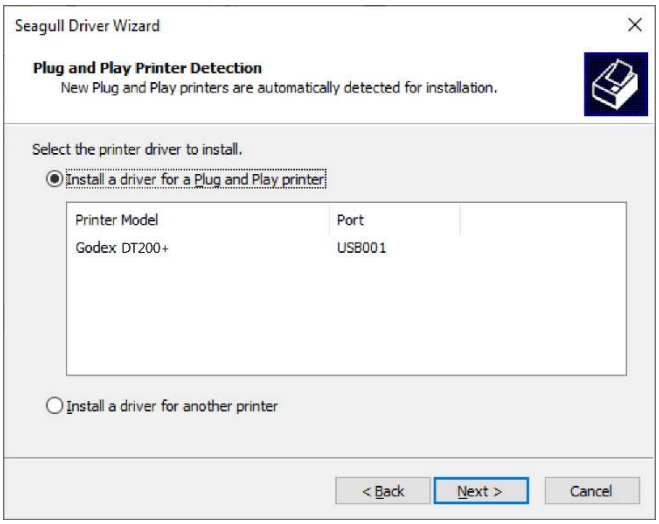
Step2. Select the path to unzip and click "Next"



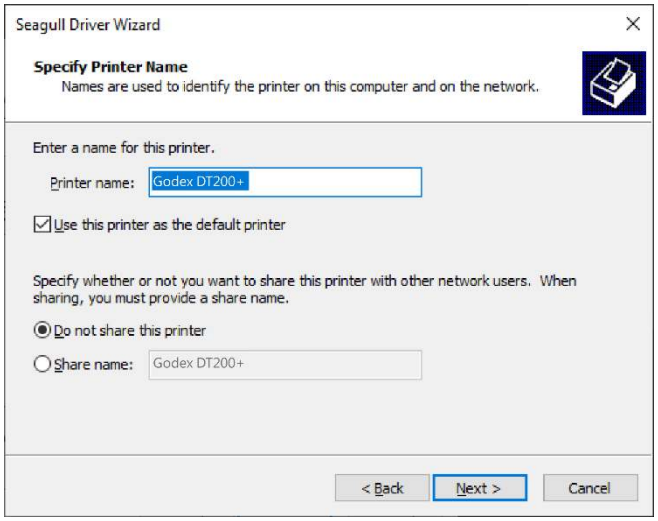
Step3. Click "Finish" and open the Driver Wizard



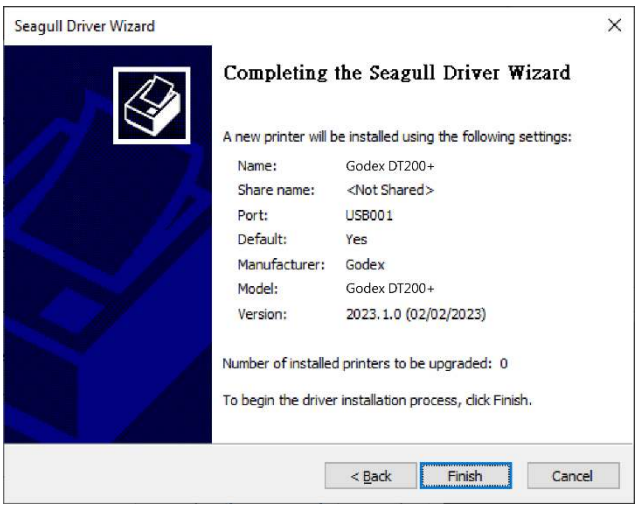
Step4. The driver installation wizard will automatically detect the model, please click "Next" to start the installation.

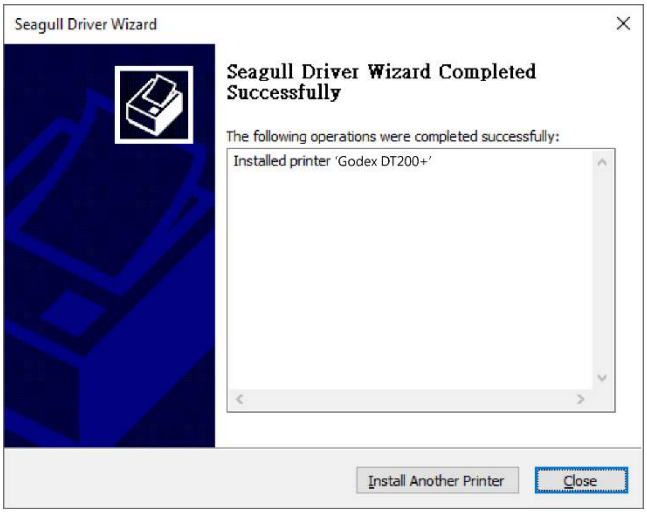


Step5. After entering the printer name, click "Next"



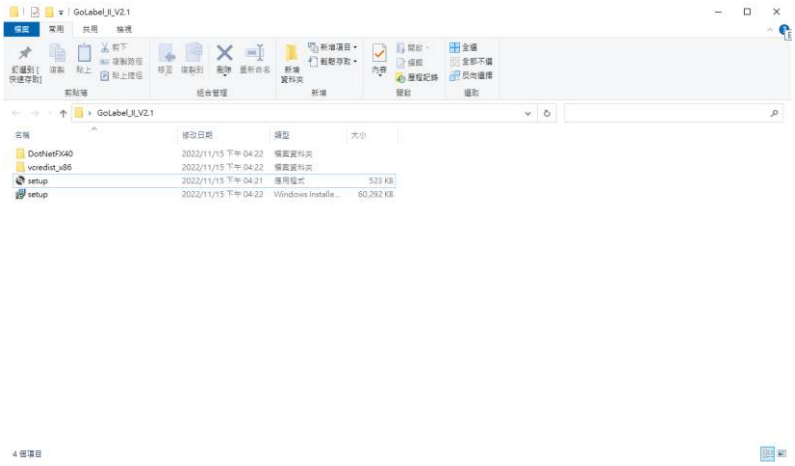
Step6. After confirming the settings, click "Finish" to install.



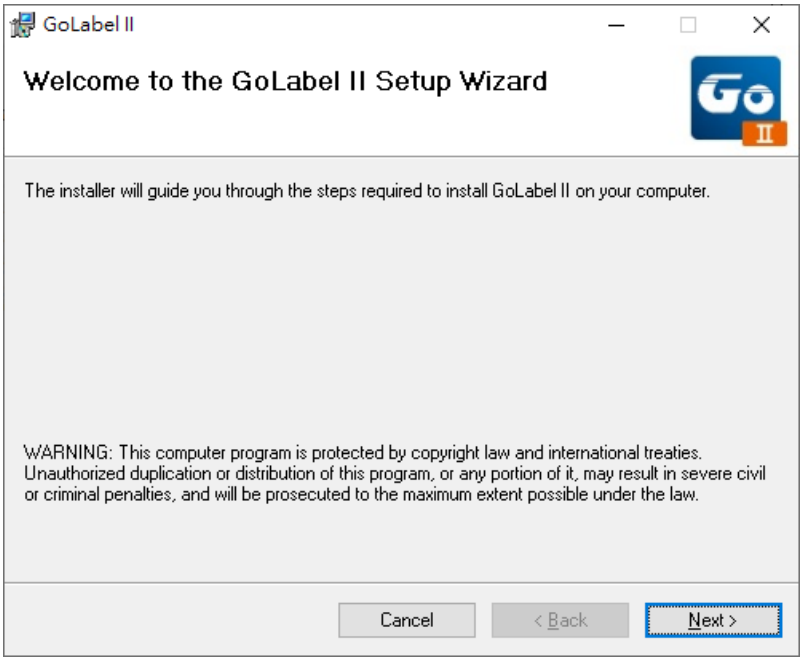


Installing GoLabel II

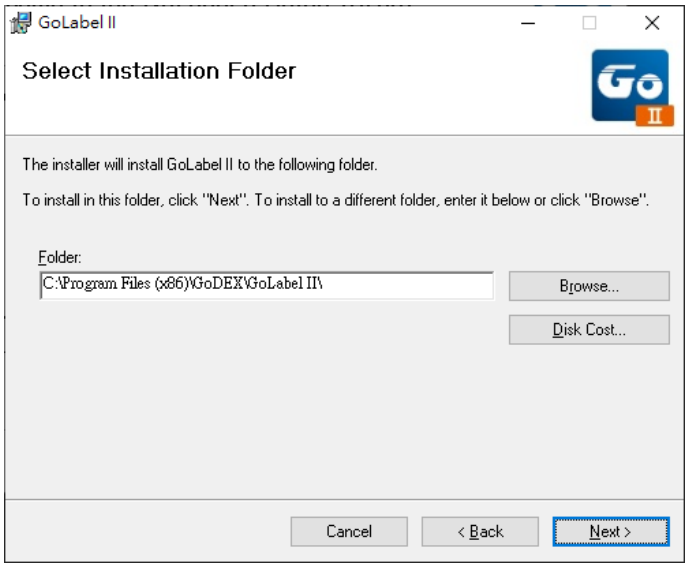
Step1. Click the installer in the folder to install.



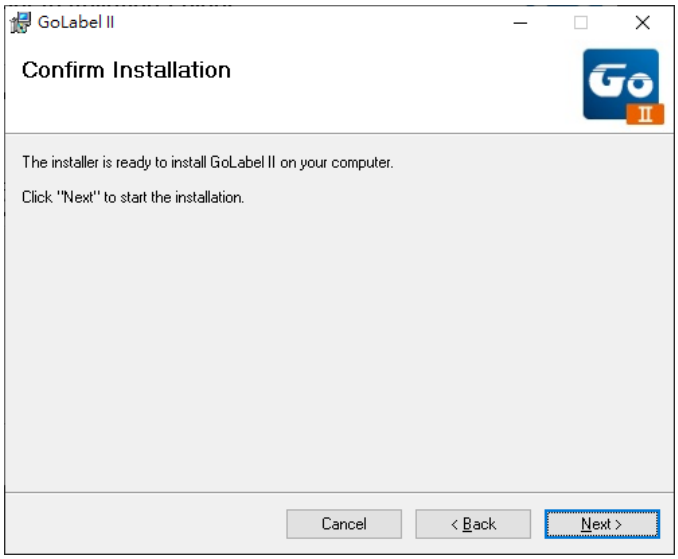
Step2. After entering the installation screen, click “Next”.



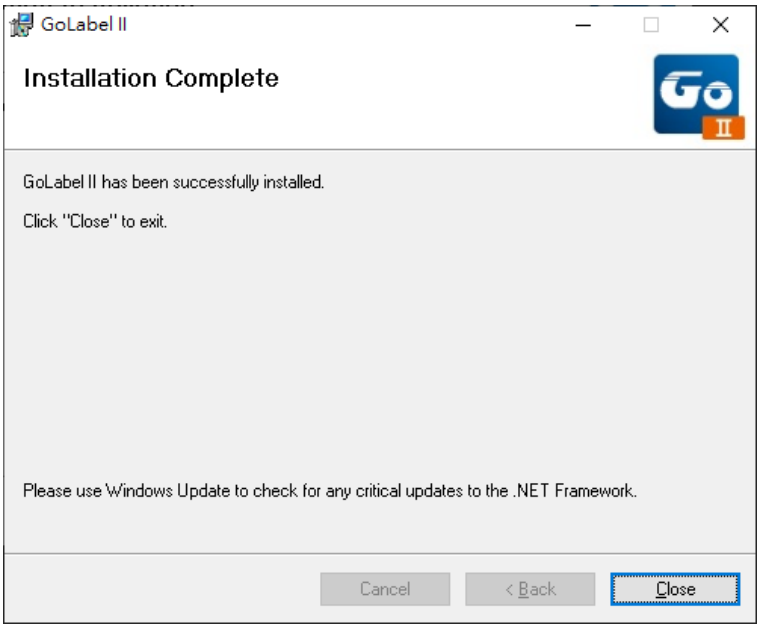
Step3. After selecting the folder to install, click “Next”



Step4. Click Next to start the installation.



Step5. Finish installation



3 Printer Setting and Control

3.1 Operation Panel Introduction

POWER Button

Press the POWER button and the LED indicator lights up green. The printer is on " Ready to print " status now.

When printer is turned on, keep pressing the POWER button for 3 seconds will turn the printer off.

FEED Button

When you press the FEED button, the printer moves the label to the defined stop position.

If you are using continuous labels, pressing the FEED button will move label stock until you release the button again.

If you are using individual labels, pressing the FEED button will move only one label.

PAUSE PRINTING_FEED Button

Pressing the FEED button during printing will interrupt printing. When the PFEED button is pressed again, the printer resumes printing. Example: While a 10-label print job is running, you press the FEED button to pause the printer.

Two of the labels have been printed. To resume printing and print the remaining eight labels, you press the FEED button again.

CANCEL PRINTING_FEED Button

Pressing the FEED button over 3 seconds during printing cancels a print job. The current print job is cancelled.

Example: While a 10-label print job is running, you press the FEED button. Two of the labels have been printed. The print job is cancelled and the remaining eight labels are not printed.

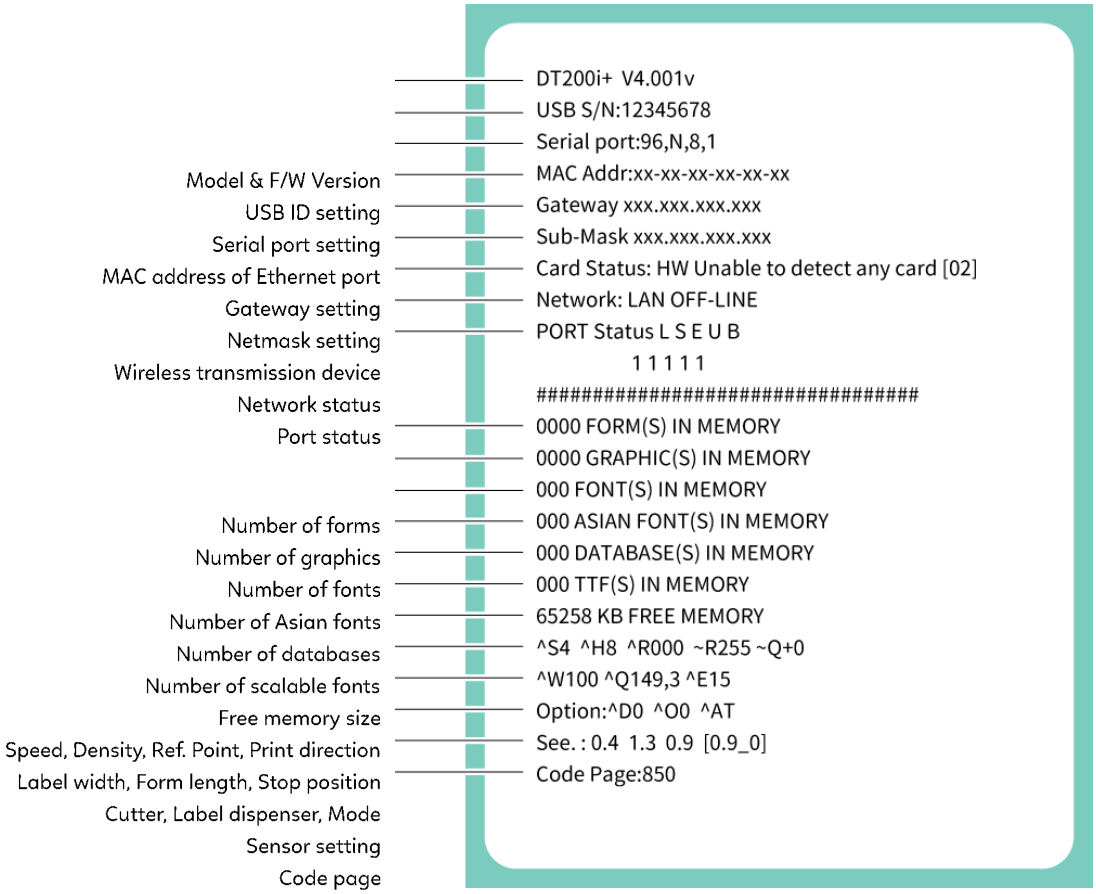
3.2 LED Status (DT200+/DT200L+ Series)

Press the FEED button and keep it pressed, then switch on the printer. You will hear two beeps and the LED lights up red.

Release the FEED button. The printer will now automatically measure the label size and then print a test page

LED Indicator	READY	STATUS
	Red flashing	Red Light on

The contents of a self-test printout are listed below.



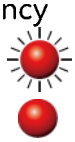
3.3 Error Alerts

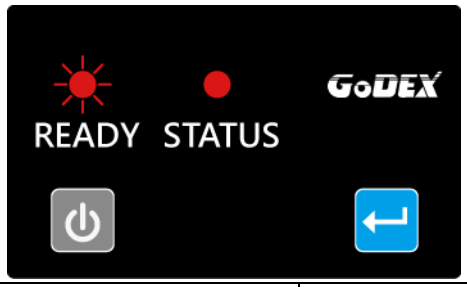
In the event of a problem that prevents normal functioning of the printer, you will see an error message on LED
indicators and hear some beep signals. Please refer to below table for the error alerts.

Error Light

- Red

Flashing Frequency

- Flashing 
- Light on

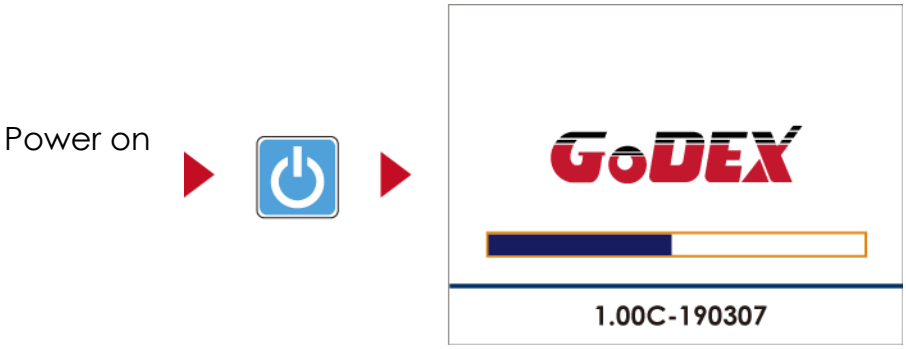


READY LED	STATUS LED	Type	Beeps	Description	Solution
		Print Head Error	2*4 bepps	The printing mechanism is not correctly closed.	Open the print mechanism and close it again.
		Print Head Error	None	High temperature at the print head.	Once the print head has cooled down, the printer switches to standby mode.
		Media Error	2*3 beeps	No need ribbon installed and printer Display error.	Make sure that the printer is set to direct thermal printing mode.
		Media Error	2*2 beeps	No paper is detected.	Make sure that the label sensor is positioned correctly. If the sensor still does not detect the paper, run the auto-detection function again.
				Paper is finished.	Replace the label roll.
				Printer feed problem.	Possible reasons: the print medium has become trapped around the rubber roll; the sensor cannot detect a gap or black mark between the labels; there is no paper. Please reset the sensor.
		File Error	2*2 beeps	The memory is full. The printer prints the message "File System full".	Delete unnecessary data or install additional memory.
				Unable to find file. The printer prints the message "File Name Not Found" .	Use the "~X4" command to print all files. Then check whether the files exist and whether the names are correct.
				A file of the same name already exists. The printer prints the message "Duplicate Name".	Change the name of the file and try storing it again.

3.4 LCD Interface Introduction(DT200i+/DT200iL+ Series)

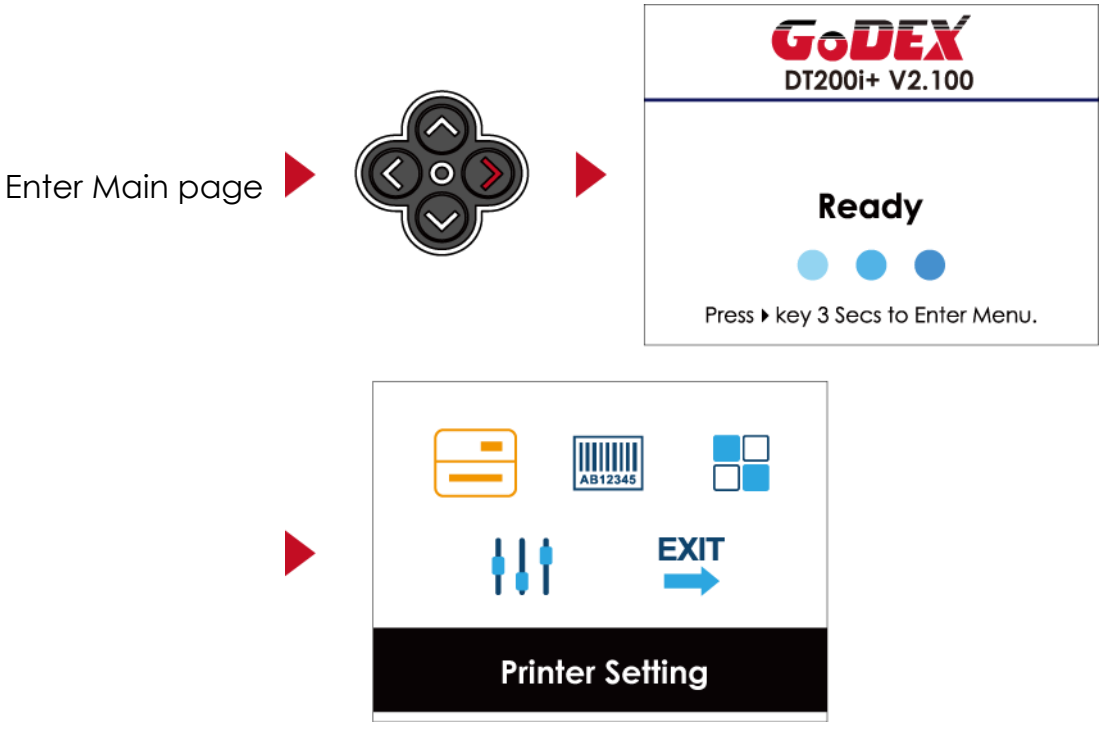
Getting Started

Press the POWER button to turn on the printer, and the START UP SCREEN appears.



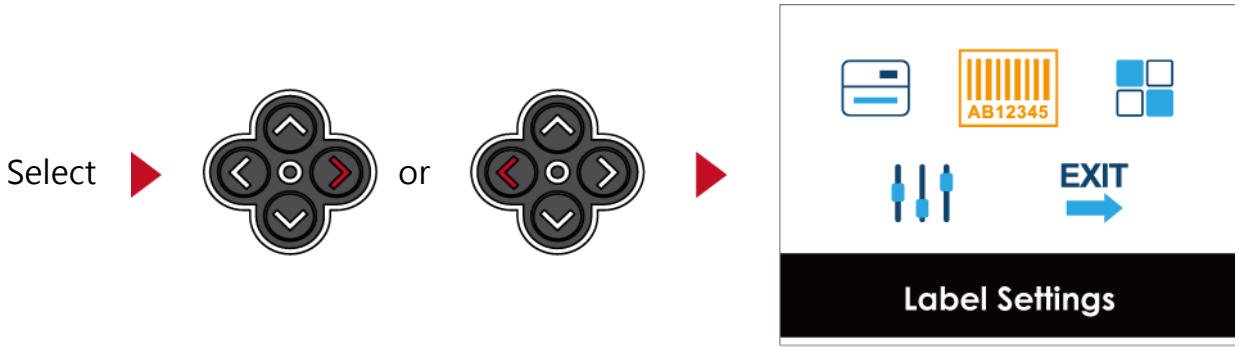
If the printer is on “ready to print” status, the LCD screen should display the message “Ready“ on the screen.

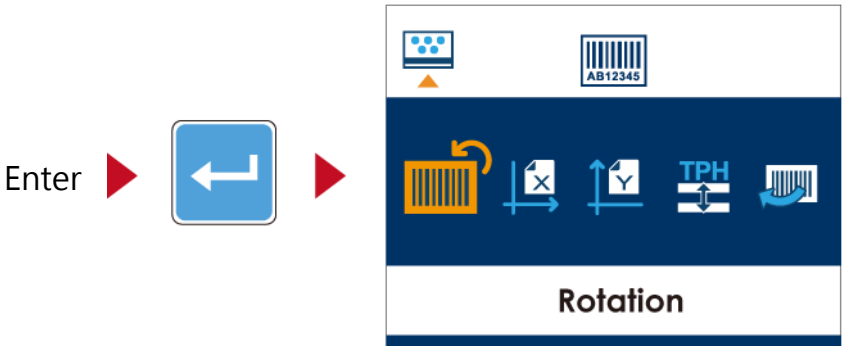
Please keep pressing → button and wait for the timer to be filled, then the LCD interface will enter into the MAIN PAGE for SETTING MODE. You can make various setting functions in SETTING MODE.



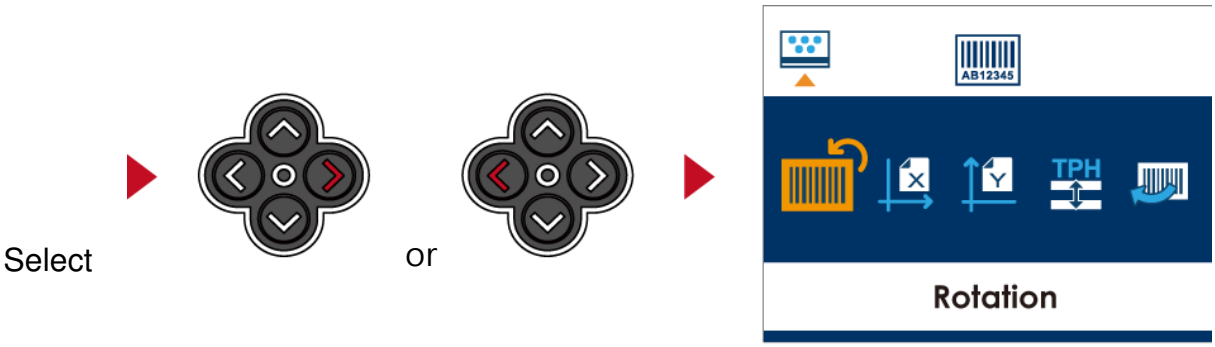
Operations on Setting Page

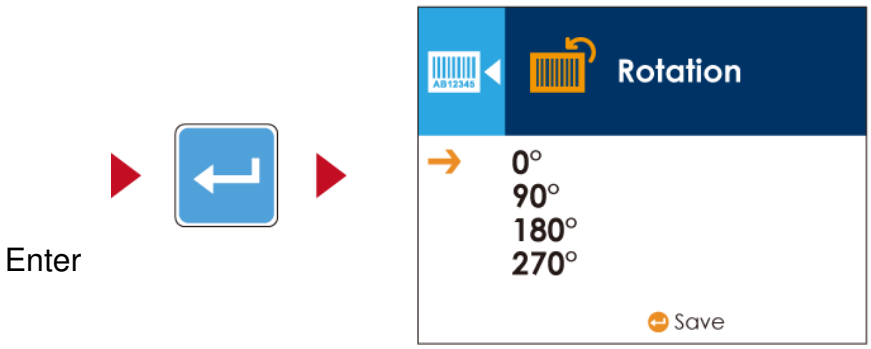
On MAIN PAGE, press → or ← button to move the cursor and select the functions.
Select a designated function and press FEED button, you will enter the SETTING PAGES for the function.



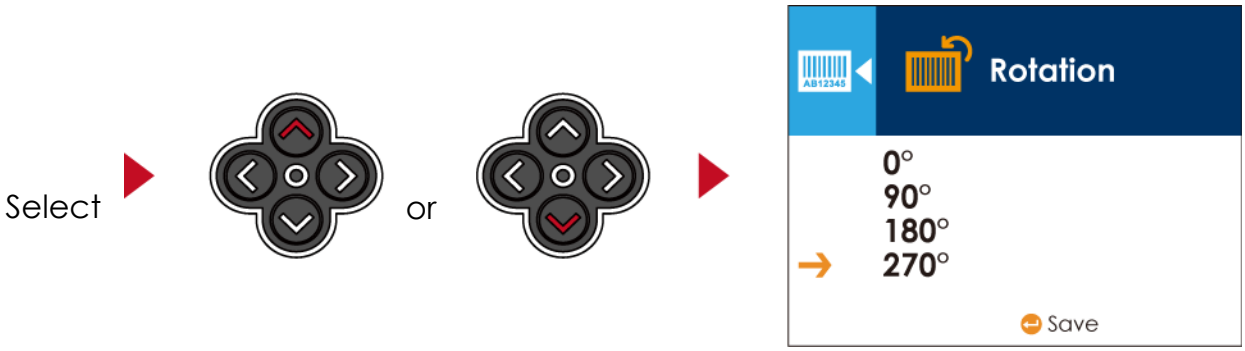


On SETTING PAGES, press → or ← button to select the setting items.
Select a designated function and press FEED button, you will enter the SETTING VALUE PAGES for the function

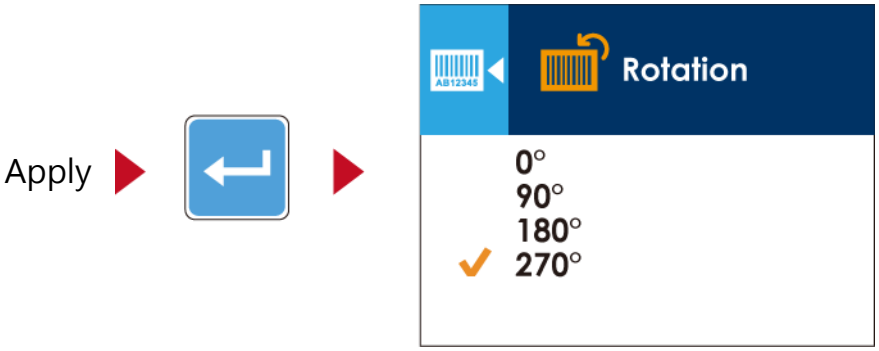




On SETTING VALUE PAGES, press ↑ or ↓ button to change the setting values.



Press FEED button will apply the setting value you just selected, and the red tick will appear to mark the value.

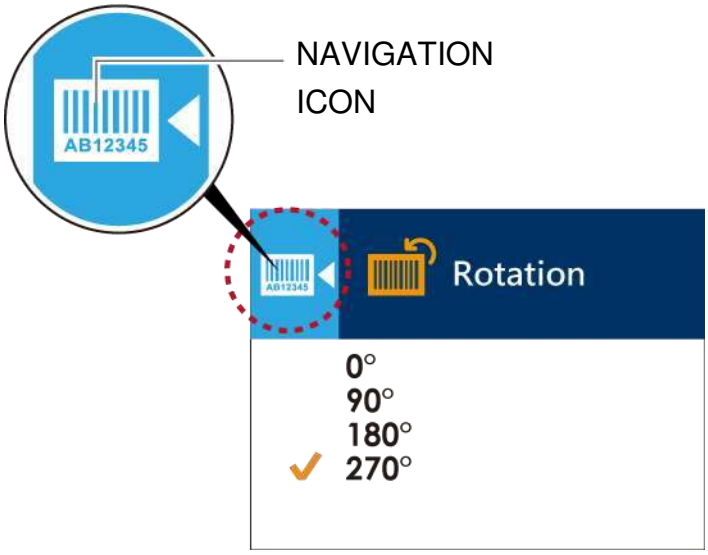


Notice

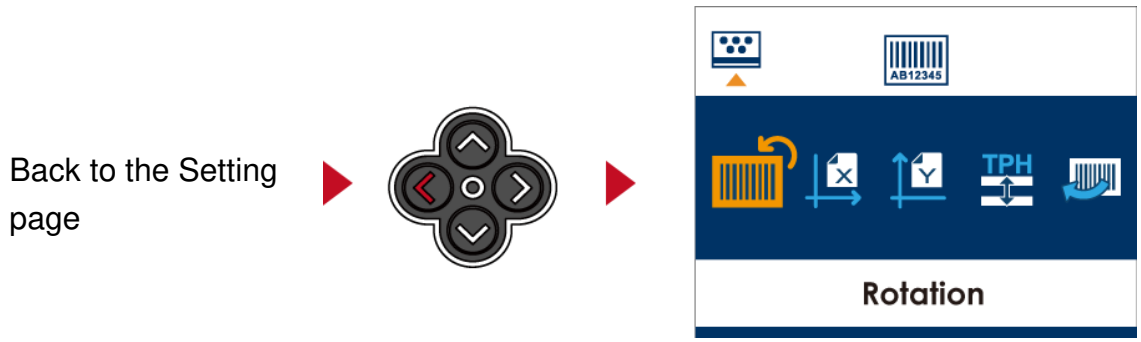
- The arrow indicates the value you are selected.
- The tick indicates that the selected value is applied now.

Exit from Current Page to Ready Status

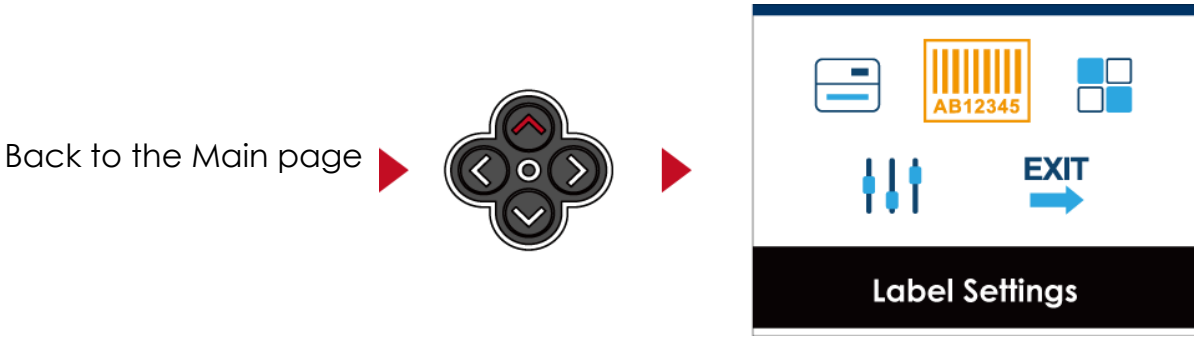
The icon on top-left corner displays the capture of upper level screen and also guides you back to upper level with left or up arrow.



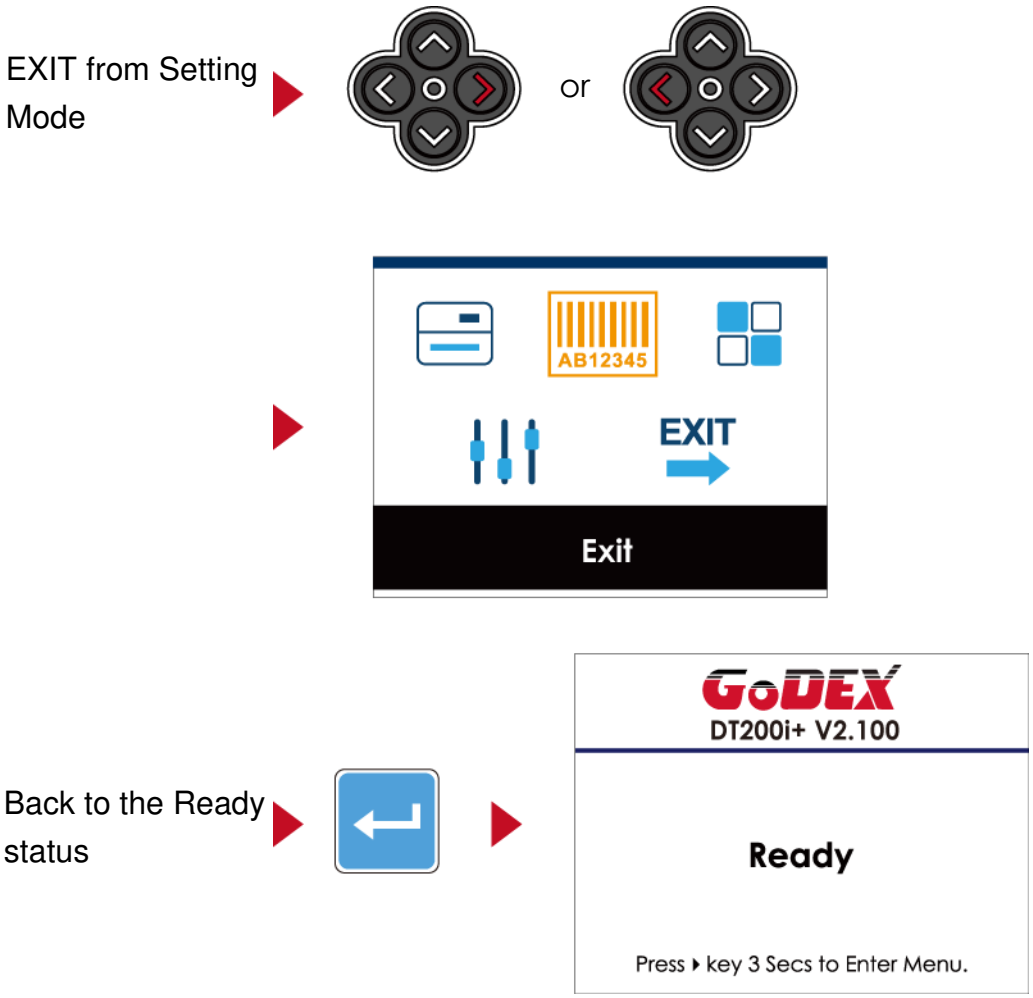
On SETTING VALUE PAGES, press ← button will go back to the upper level screen.



On SETTING PAGES, press ↑ button will go back to the MAIN PAGE screen.



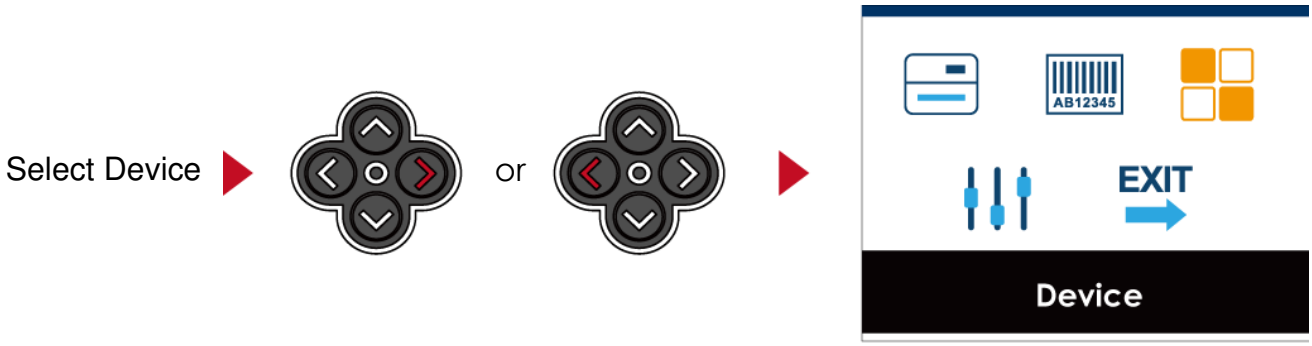
On MAIN PAGE, select the “EXIT” icon and press the FEED button to exit from SETTING MODE and the printer goes back to READY status.

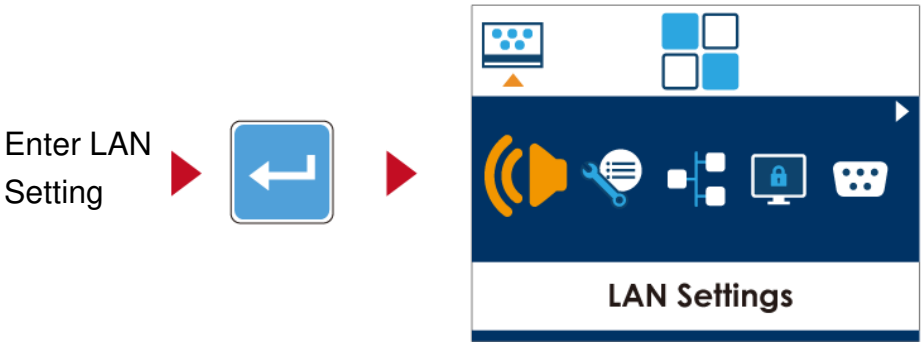


3.5 LAN Setting(DT200i+/DT200iL+ Series)

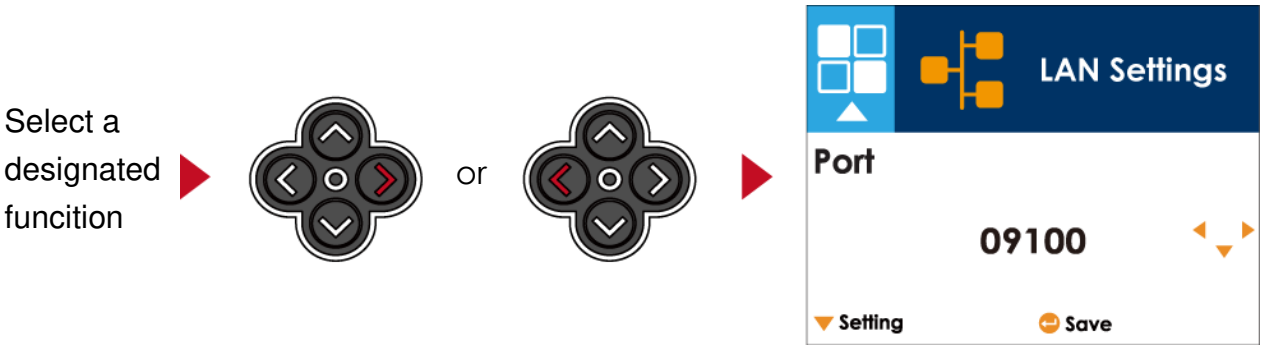
Operations on Setting Page

On MAIN PAGE，press → or ← button to move the cursor and select the functions.
Select a designated function and press FEED button, you will enter the SETTING PAGES for the function

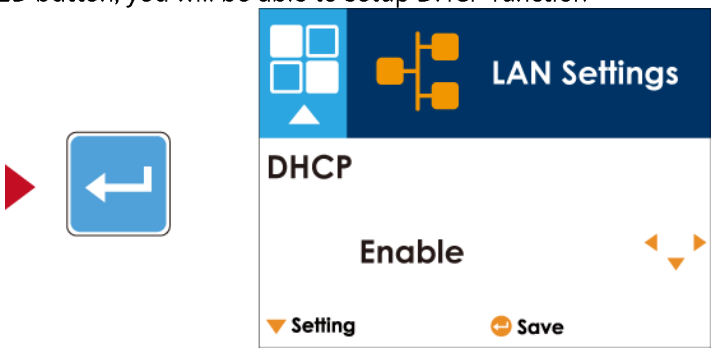




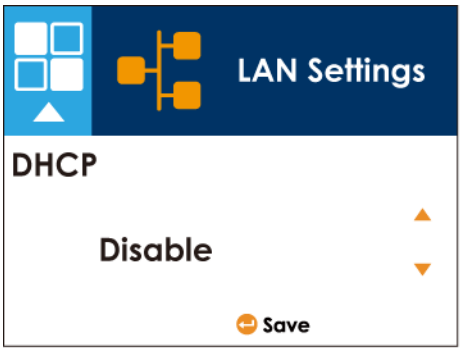
On LAN Setting PAGE，press → or ← button to select the setting items.



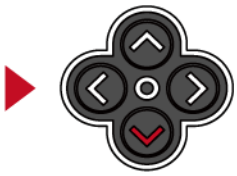
Select DHCP and press FEED button, you will be able to setup DHCP function

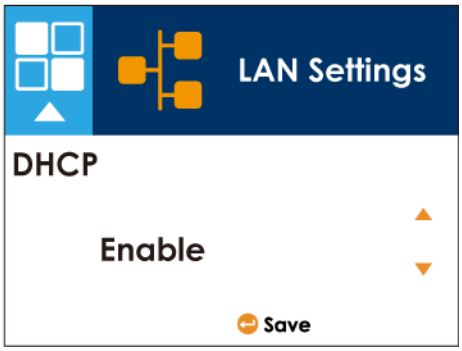


The default of DHCP is Disable. Press ↑ or ↓ button to change the setting values



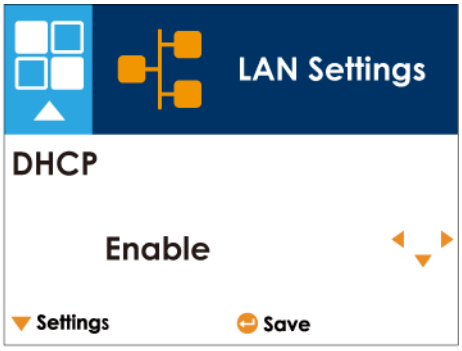
Select ↓ to enable DHCP



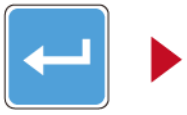


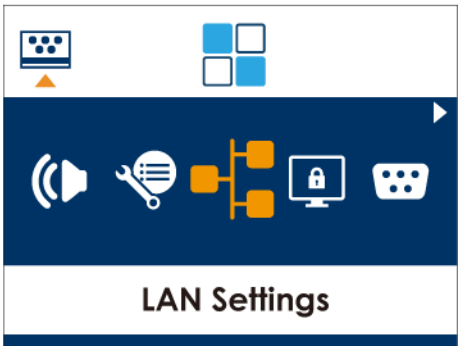
Press FEED button twice to save the setting.

Press FEED once to exit.



Press FEED again to save and return to previous SETTING PAGE

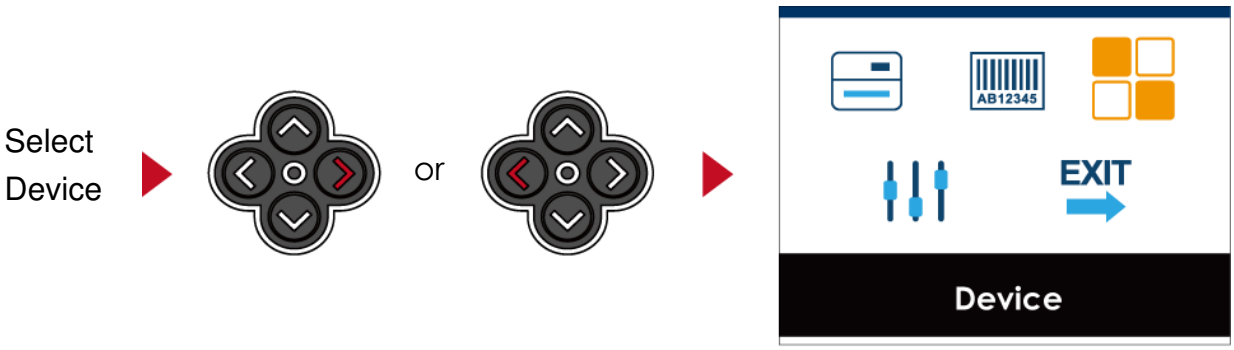




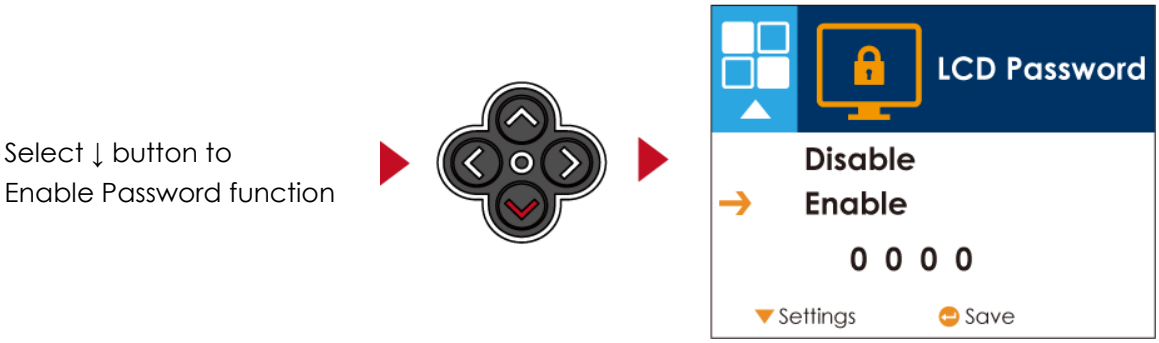
3.6 LCD Password (DT200i+/DT200iL+ Series)

Operations on Setting Page

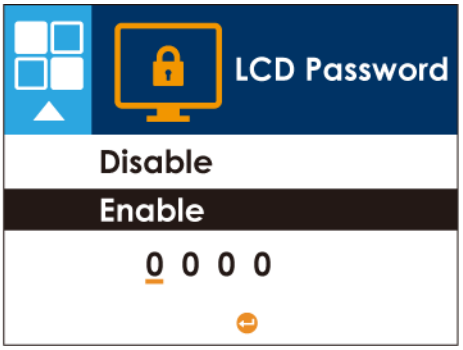
On MAIN PAGE, press → or ← button to move the cursor and select the functions. Select a designated function and press FEED button, you will enter the SETTING PAGE for the function.



The default of LCD Setting is Disable. Press ↑ or ↓ button to change the setting values.

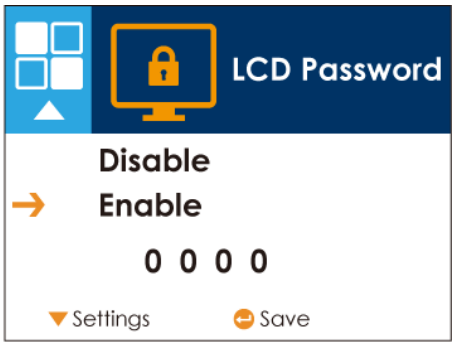


Select ↓ button again to setup the password

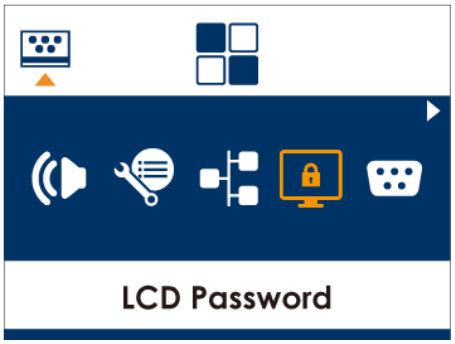


Press FEED button twice to save the setting.

Press FEED button onece to exit.

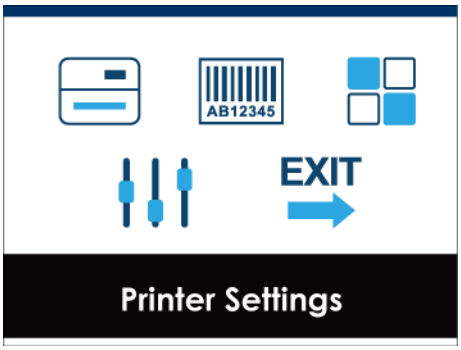


Press FEED button again to save and return to previous SETTING PAGE



3.7 LCD Interface Function(DT200i+/DT200iL+ Series)

Main Page



Printer Setting	Setting items for printer, ex. Printing speed, darkness. Also includes a Printing Wizard for your ease of printing.
Label Setting	Setting items for printing label, ex. Rotation, Printing position offset.
Device	Option modules and connection port settings
Analysis	Self-Diagnose functions for printer, ex. TPH testing, self-test page printing.
Exit	Exit from Setting Mode.

Setting Items in Setting Mode

Printer Setting	LCD Language		English	
			German	
			繁體中文	
			简体中文	
	Wizard	Speed	2-7	
		Darkness	0-19	
		Media Type	Label with gaps	
			Label with marks	
			Continuous	
		Printer Mode	Direct Thermal	
			Thermal Transfer	
		Tear-off Position	0-40	
	Setting	Darkness	0-19	
		Speed	2-7	
		Sensor	Media Detection	Auto Select
				See-Through
				Reflective
			Media Type	Label with gaps
				Label with marks
				Continuous
		Printing Mode	Direct Thermal	
			Thermal Transfer	
		Tear-off Position	0-40	
		Top of Form	Apply	
			Cancel	
		Codepage	850 852 437 860 863 865 857 861 862 855 866 737 851 869 Win 1252 Win 1250 Win 1251 Win 1253 Win 1254 Win 1255 Win 1257	
Label Setting	Rotation		0°	
			90°	
			180°	
			270°	
	Horizental offset		-100 – 100	
	Vertical offset		-100 – 100	
	Start offset		-100 – 100	

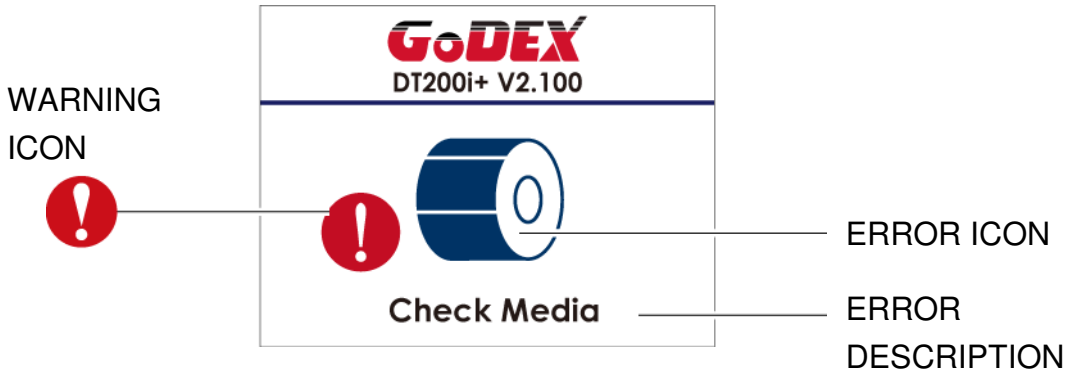
	Recall Label		001 Form Name
			002 Form Name
	Buzzer		Apply
			Cancel
	Optional Setting	Option	None
			Cutter
			Label Dispenser
			Applicator
		Pre-Printing	Apply
			Cancel
	LAN Setting	Port No.	09100
		DHCP	Disable
			Enable
		Default Gateway	192.168.000.254
		Dynamic IP	192.168.102.076
		Subnet Mask	255.255.255.000
	LCD Password		Disable
			Enable
	Serial Port Setting	Baud Rate	4800 bps
			9600 bps
			19200 bps
			38400 bps
			57600 bps
			115200 bps
		Parity	Non
			Odd
			Even
		Data bits	7 bits
			8 bits
		Stop bits	1 bits
			2 bits
	RTC Setting	Clock display	Apply
			Cancel
		RTC Setting	YYYY/MM/DD
			HH:MM:SS
	Bluetooth Setting	Clear Bind	Enable
			Disable
		Make Device Visible	Enable
			Disable
		SSP	Enable
			Disable
		PIN Code	0000
		Search Device	
Analysis	Calibration		Apply
			Cancel
	Self-test		Apply
			Cancel
	TPH Testing		Apply
			Cancel
	Reset to Default		Apply
			Cancel
	Clear Memory	Label Format	Apply
			Cancel
		Graphic	Apply
			Cancel
		Bitmap Fonts	Apply
			Cancel
		True Type Fonts	Apply
			Cancel
		Asian Fonts	Apply
			Cancel
		ALL	Apply

			Cancel
 Exit	Exit		

3.8 Status of LCD Interface (DT200i+/DT200iL+ Series)

When printer is on standby status (ready to print), the LCD interface will display “Ready” on screen.
You can only print on this “Ready“ status.

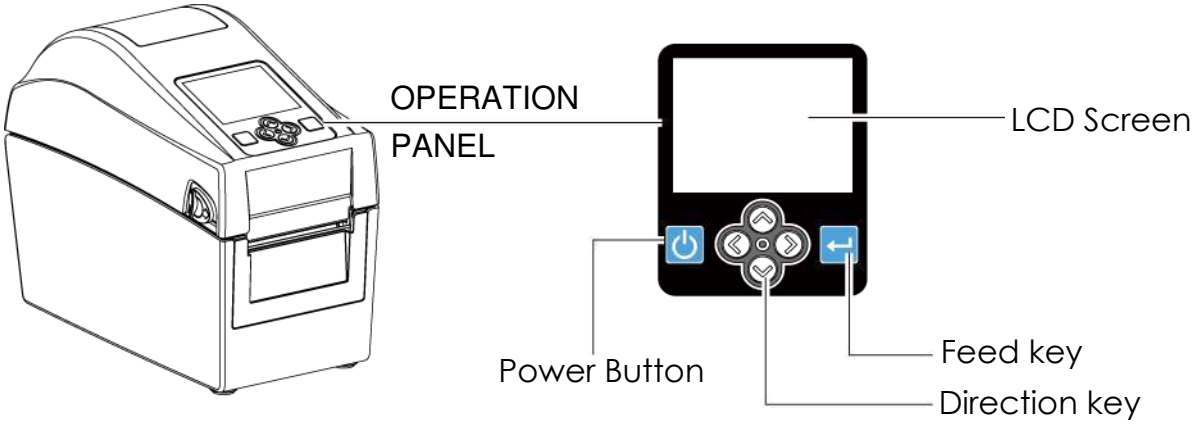
If there is any printers error, the LCD screen will display the error screen to show the type of error.
You can fix the error according the notice.

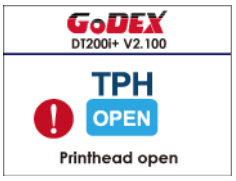
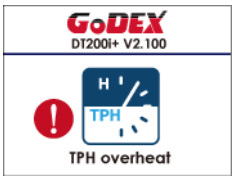
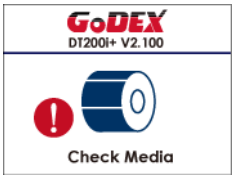


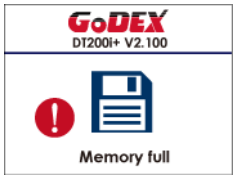
	To upper level	Appears on the NAVIGATION ICON of Setting Pages. It guides you back to upper level by pressing “LEFT“ key.
	To upper level	Appears on the NAVIGATION ICON of Setting Value Pages. It guides you back to upper level by pressing “UP“ key
	Lock	On Setting Value pages, press “RIGTH“ key to lock the value for preventing unexpected change.
	Unlock	For locked value, press “RIGHT” key again to unlock the value.
	Scroll the value	On Setting Value pages, press “UP“ or “DOWN“ key to scroll the values for your selection.

3.9 Error Alerts (DT200i+/DT200iL+ Series)

In the event of a problem that prevents normal functioning of the printer, you will see an error message on LCD screen and hear some beep signals. Please refer to below table for the error alerts.



Operation Panel Status	Type	Beeps	Description	Solution
 THP opened	Print head Error	2 x 4 beeps	The printing mechanism is not correctly closed.	Open the print mechanism and close it again.
 TPH overheat	Print head Error	None	High temperature at the print head.	Once the print head has cooled down, the printer switches to standby mode.
Check ribbon setting	Media Error	2 x 3 beeps	No ribbon is installed and the printer displays an error.	Make sure that the printer is set to direct thermal printing mode.
 Check paper setting	Media Error	2 x 2 beeps	No paper is detected.	Make sure that the label sensor is positioned correctly. If the sensor still does not detect the paper,run the auto-detection function again.
			No paper is detected.	Replace the label roll.
			No paper is detected.	Possible reasons: the print medium has become trapped around the rubber roll; the sensor cannot detect a gap or black mark between the labels; there is no paper. Please reset the sensor.

Operation Panel Status	Type	Beeps	Description	Solution
 Memory full	File Error	2 x 2 beeps	The memory is full. The printer prints the message "File System full".	Delete unnecessary data or install additional memory.
 File name can't be found			Unable to find file. The printer prints the message "File Name not found"	Use the "~X4" command to print all files. Then check whether the files exist and whether the names are correct.
 File name duplicated			A file of the same name already exists. The printer prints the message "Duplicate Name".	Change the name of the file and try storing it again.

3.10 USB Host

Definition : USB Host port supports either device： USB memory stick, keyboard or scanner.

Purpose

USB memory stick : It extends the user memory space up to 32GB for Graphic, Font, Label Format, DBF and Command files downloading. The printer's Firmware also can be updating if copy new version of Firmware into USB memory stick.

Connecting an USB keyboard to printer for " Standalone" mode operation.

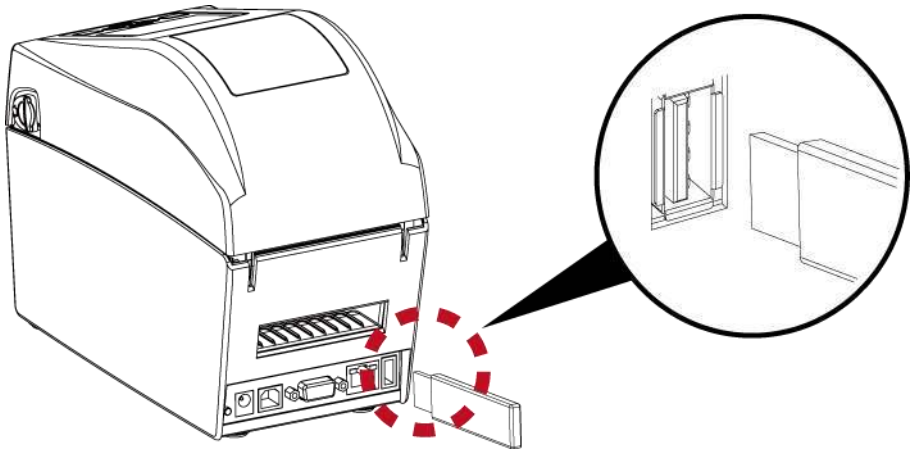
Plug-in an USB scanner to operate the printer in "Standalone" mode.

Usage of Extended Memory

USB memory stick : It supports hot-plugging function; printer will create a Folder "\LABELDIR" and switch "User Flash to " Extended Memory" automatically while user plugs an USB memory stick into a GoDEX "i" model printer.

Connect the USB Stick plugged -in printer to PC via USB Device or Ethernet port and run "GoLabel" software to download Graphic, Font, Label Format, DBF and Command files to the printer.

Detail download procedures, please refer to "GoLabel On-line Help".



Usage of Firmware Update

Remove USB memory stick from printer and plug-in it to a PC's USB port; delete Firmware "*.bin" file from "\LABELDIR\FW" of USB memory stick if it existing; or create a Folder "\LABELDIR\FW" to USB memory stick if it doesn't existing.

Copy a new version of Firmware "xxxx.bin" to the Folder "\LABELDIR\FW"; and then remove USB and plug-in back to the printer that going to update Firmware.

The printer will update the Firmware automatically when plug-it-into the printer and printer find-out the Firmware in "\LABELDIR\FW" is newer version.

Don't remove the USB memory stick out while it's under updating with "Flash Writing..."message that displays on LCD panel.

USB Keyboard

When plug-in an USB keyboard to the printer, LCD panel will display “Standalone Mode”, press the “Enter” key on keyboard and “Feed” key in the printer to entering to the dialog for “Recall Label” operation.

Only the sub-dialog “Recall Label” is able operating by keyboard as follow definition:

1. Press “ESC” key to exist from “Standalone Mode” or back to previous dialog
2. Press “F1”, it will let the printer from “Ready” mode entering into “Standalone Mode”
3. Press “Enter”, “Arrow” and “Alphabetic” keys as the usual in PC that will perform the key-in function of “Recall Label” in “Standalone Mode”.

Scanner

When plug-in an USB scanner to the printer, LCD panel will display “Standalone Mode”, press the “Feed” key in the printer to entering the dialog of “Recall Label” operation. User performs the “Recall Label” function interactively through the LCD panel, 4 direction keys, Feed key and Scanner.

Scanner is using in “standalone Mode” to scanning the “Serial Number, Variable” and Print Quantity while the printer prompts a message on LCD panel and wait for data input.

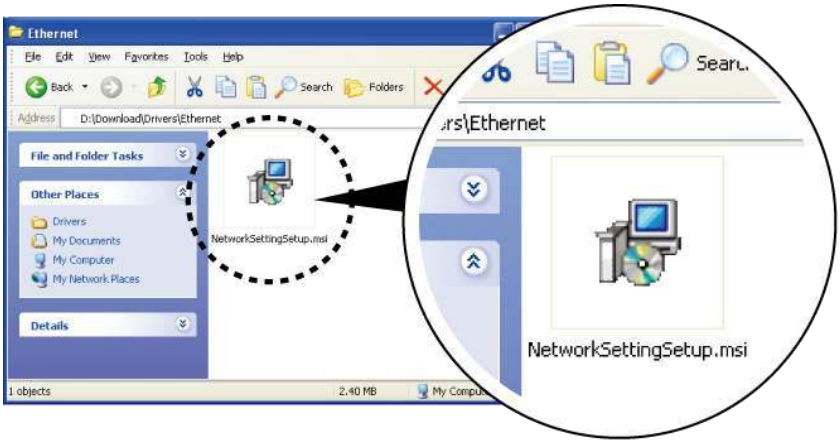
4. NetSetting for Ethernet

4.1 Installing the NetSetting software

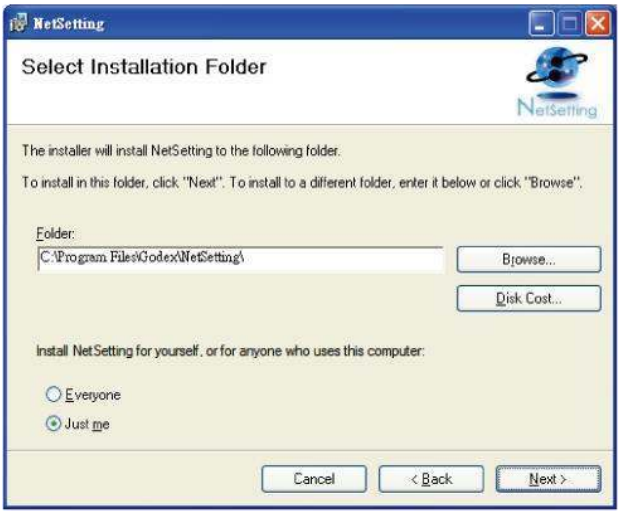
The NetSetting software is used to manage the network configurations when connecting the printer via Ethernet port.

It is available on product CD or can be downloaded from official website. To install the NetSetting, please follow below steps.

1. Select the icon for the NetSetting installation file and click it to start the installation.



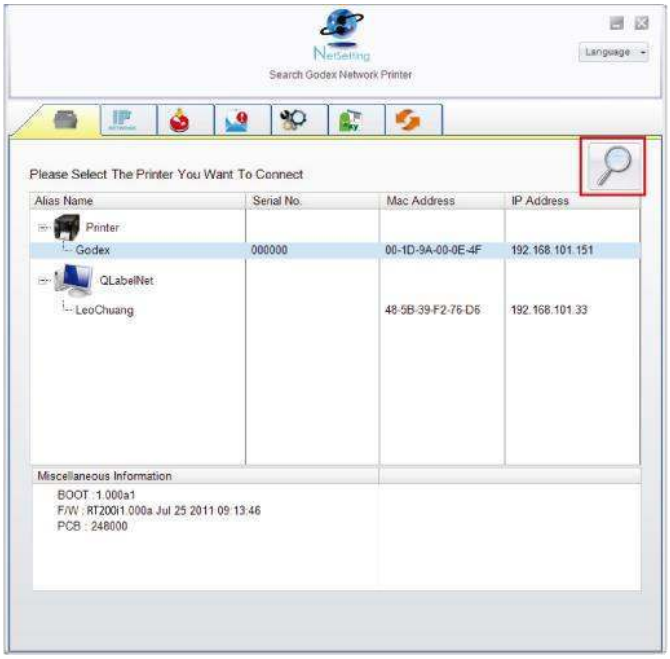
2. Follow the instructions on the screen. The Setup Wizard guides you through the installation procedure.
3. Specify the “Installation Folder".



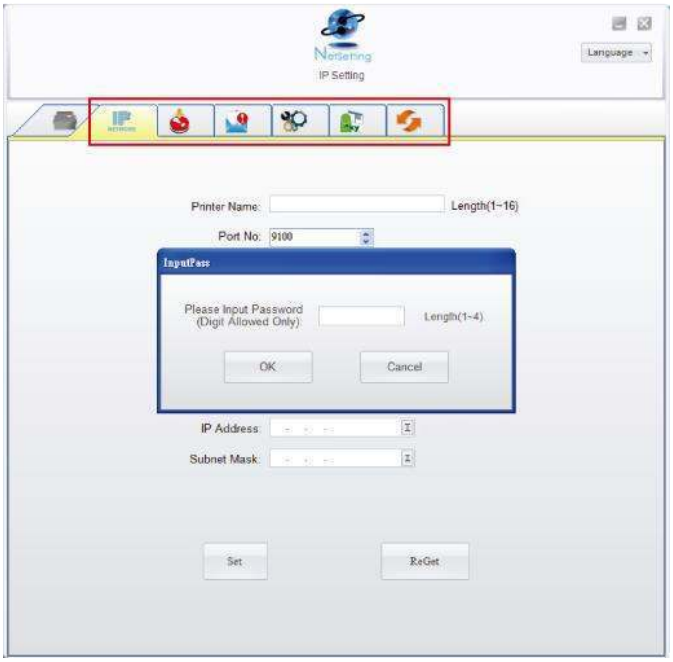
4. Click "Next” to start the installation.
5. Once the installation is completed; you will see the NetSetting icon on your desktop.

4.2 The Interface of NetSetting

Click the NetSetting icon to start the program; you will see the start page as below. The start page will display the basic information of connected printer and your PC.



Click the magnifier icon to search the Godex printers which are connected via Ethernet port in you network environment. Once a connected Godex printer is detected, it will be listed on the start page.

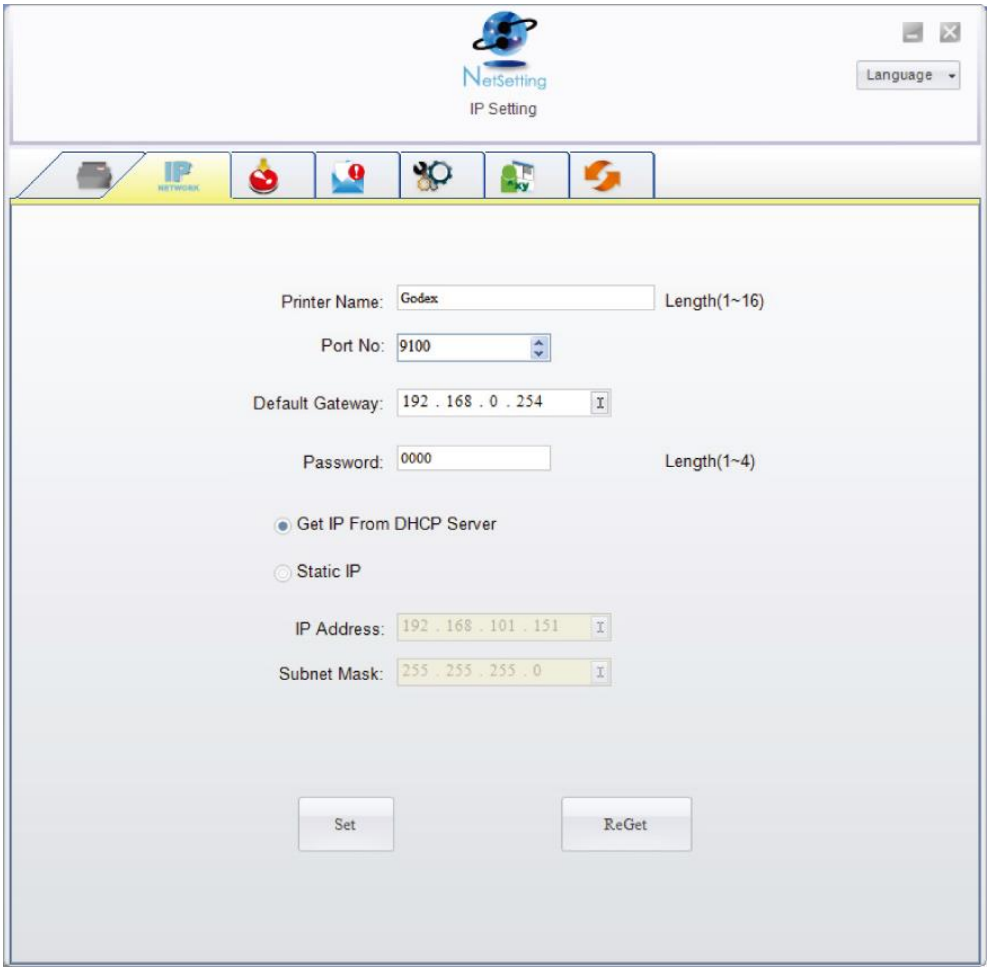


There are six tabs on the top of interface which can configure different types of network settings. But for the data security reason, you need correct password to enter the configuration pages.

Notice The default password is “1111”, you can change the password later from the “IP Setting” tab.

IP Setting

The IP Setting tab can change the printer name, Port number, Gateway setting and the password for configuring the
printer. You can also set the printer's IP address ether by DHCP or by Static IP.



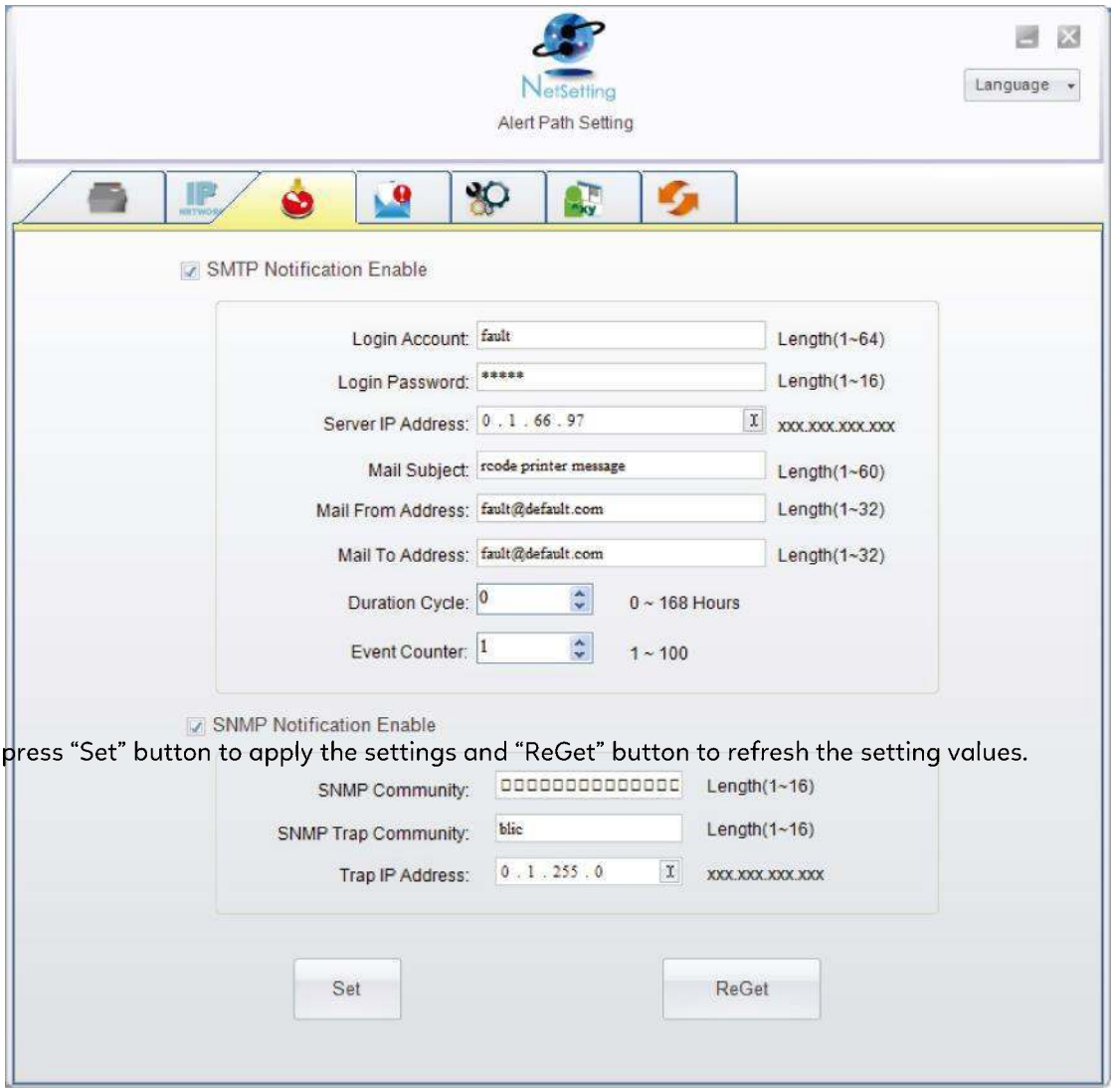
You can press "Set" button to apply the settings and "ReGet" button to refresh the setting values.

Notice To fully benefit from the NetSetting software, you should be familiar with basic networking principles. Please contact your network administrator for related network setting information.

Alert Path Setting

NetSetting will send the alert messages to designated mail account when the error happened on printer. The alert messages are sent by SMTP (Simple Mail Transfer Protocol) or SNMP (Simple Network Management Protocol).

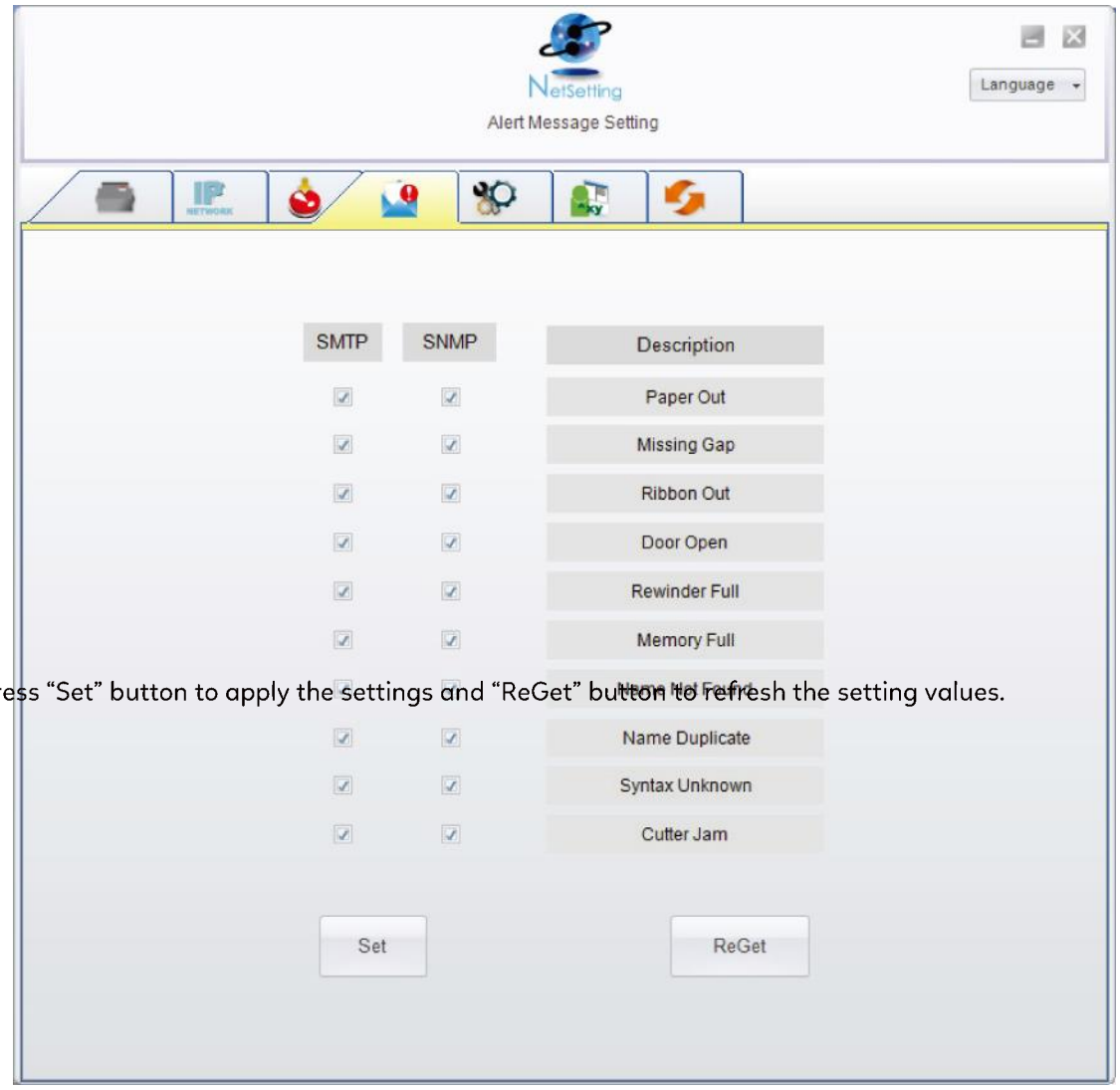
You can set or change the configurations of SMTP and SNMP on this “Alert Path Setting” tab.



You can press “Set” button to apply the settings and “ReGet” button to refresh the setting values.

Alert Message Setting

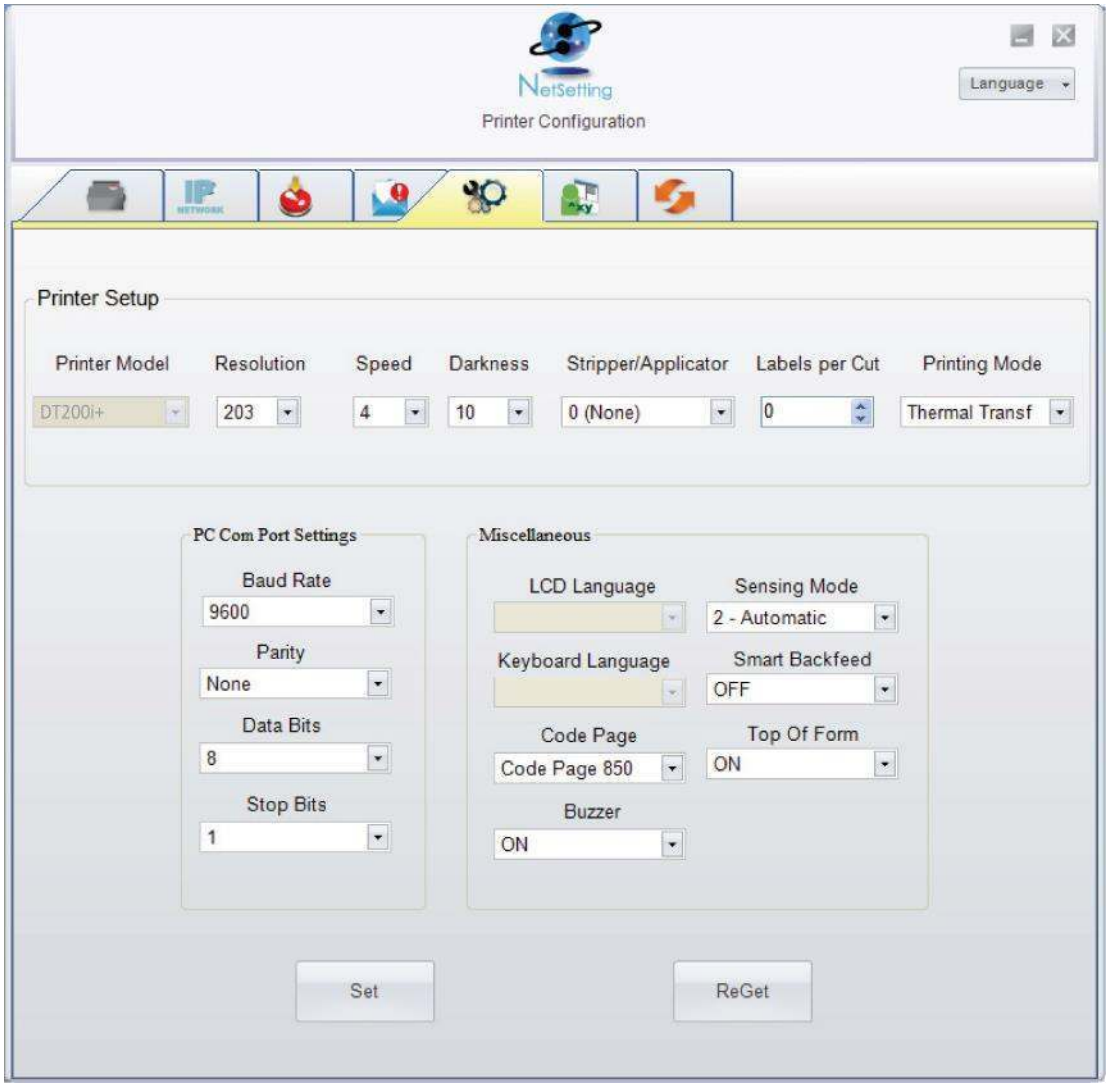
For the alert message notification function, you can decide which error cases need to be sent out to the operator. Moreover, the alert messages can be set to be sent by SMTP, SNMP or both.



You can press “Set” button to apply the settings and “ReGet” button to refresh the setting values.

Printer Configuration

Set or change the configurations of connected printer. Most of key settings for the printer operation can be done by this setting page.

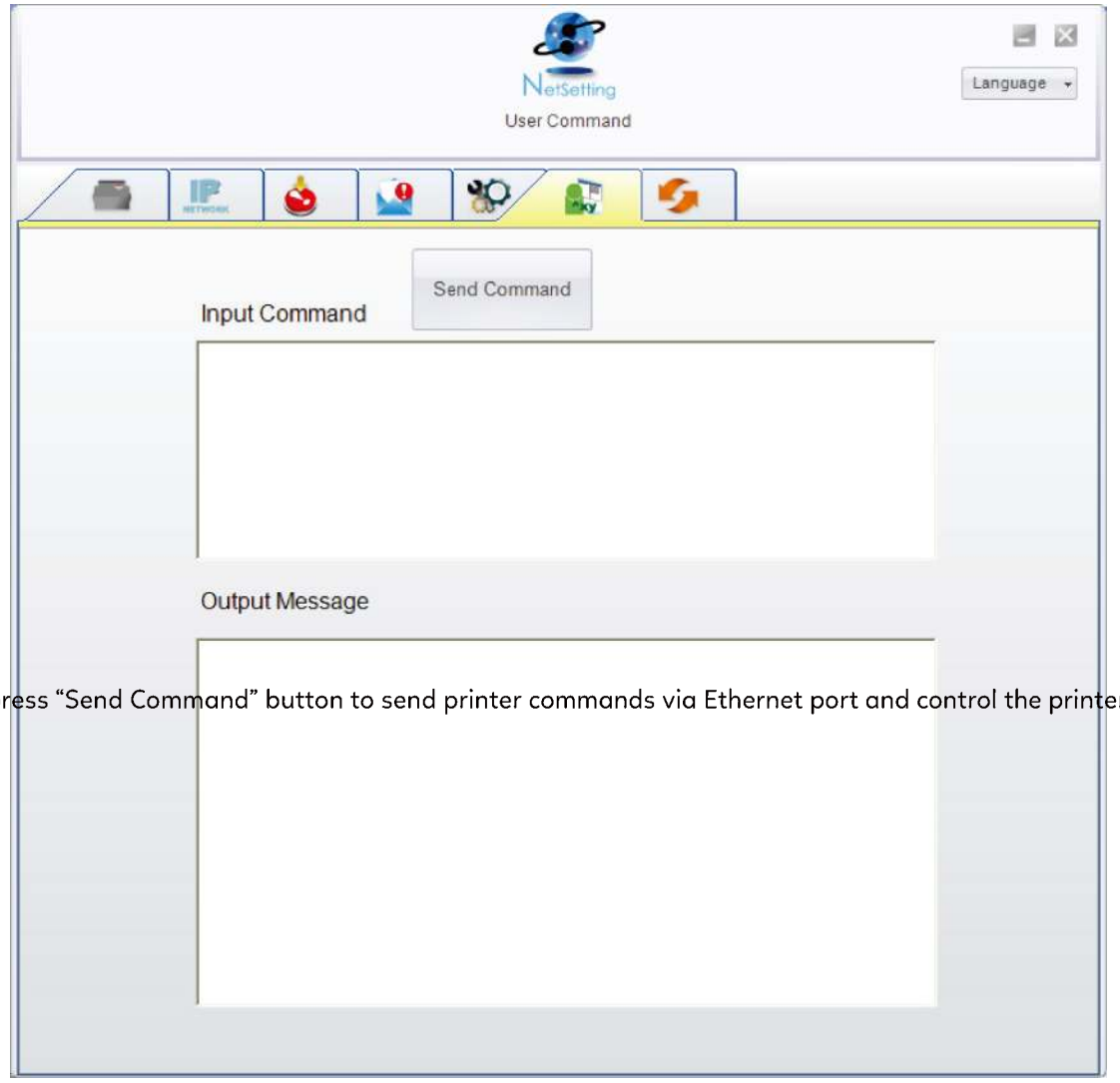


You can press “Set” button to apply the settings and “ReGet” button to refresh the setting values.

User Command

The “User Command” tab provides a communication interface for operator to control the printer. Input printer commands in "Input Command" window and press “Send Command” button, the commands will be sent to the printer.

For some commands that will return response message, the message will be displayed in "Output Message" window.

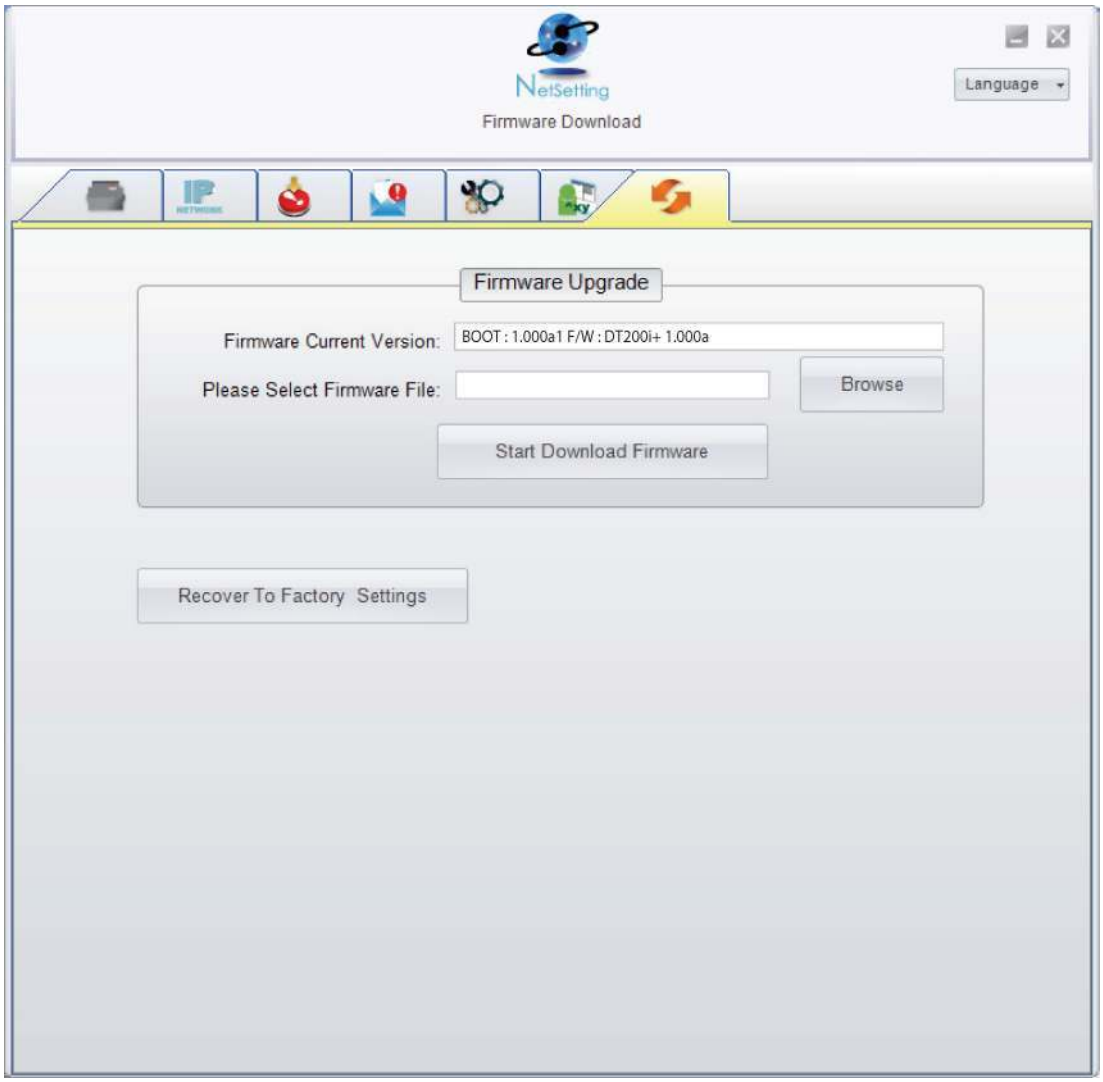


You can press “Send Command” button to send printer commands via Ethernet port and control the printer remotely.

Firmware Download

On “Firmware Download” tab, the current version of printer firmware will be showed on the screen. If you need to update the printer firmware, just specify the file location of firmware file and press “Start Download Firmware” button.

The printer firmware then can be updated remotely.



In addition to the firmware update, you can press “Recover To Factory Settings” button to restore the printer configurations back to factory default.

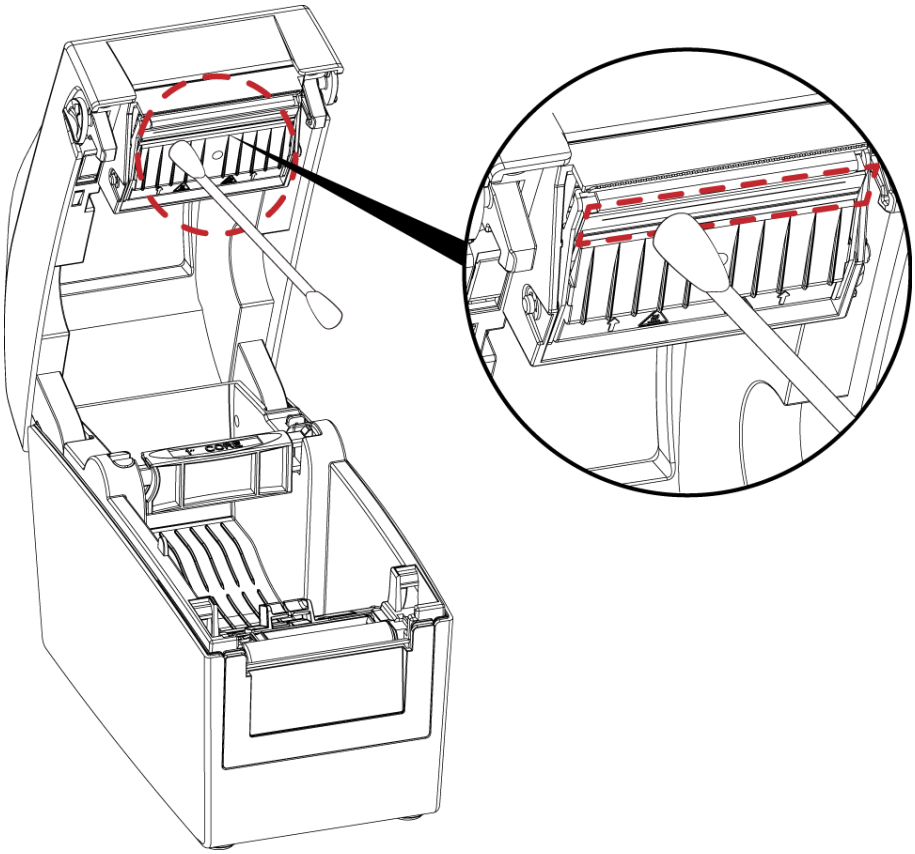
5. Maintenance and Adjustment

5.1 Cleaning the Print Head

Dirt on the print head or ribbon, or glue residue from the label stock may result in inadequate print quality. The printer cover must therefore always be closed during printing. Keeping dirt and dust away from the paper or labels ensures a good print quality and a longer lifespan of the print head.

Cleaning Steps

Here is how you clean the print head.
1.Turn off the printer.
2.Open the printer cover.
3.Remove the ribbon.
4.To remove any label residue or other dirt from the print head (see red arrow), please use a soft lint- free cloth dipped in alcohol.



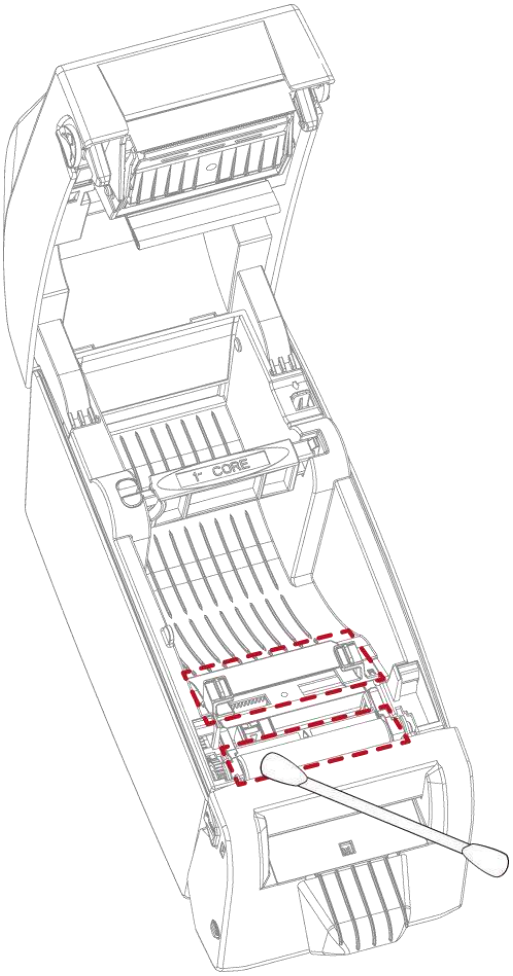
Notice
* The print head should be cleaned once a week.
* Please make sure that there are no metal fragments or other hard particles on the soft cloth used to clean the print head.

5.2 Cleaning the Platen and Label Guide

Dirt on the platen and label guide or glue residue from the label stock may result in inadequate print quality. The printer cover must therefore always be closed during printing. Keeping dirt and dust away from the paper or labels ensures a good print quality and a longer lifespan of the platen.

Cleaning Steps

1. Turn off the printer.
2. Open the printer cover.
3. The platen and label guide (see red area), dirt or glue residue on the platen be cleaned with cotton bud. (Do not use alcohol to clean the Linerless models.)



Note

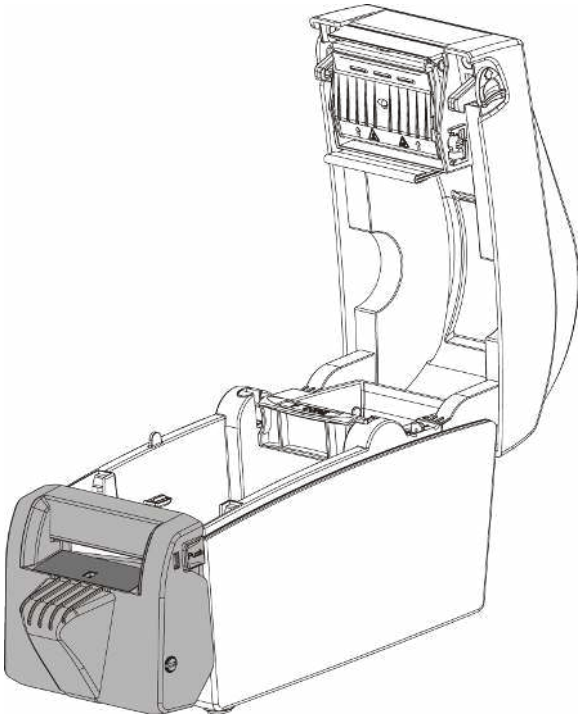
* Please clean the cutter once a month or after 1,000 cuts to prevent trouble and retain the print quality.

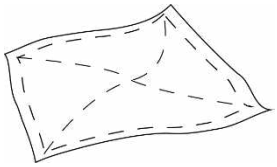
5.3 Cleaning the Cutter

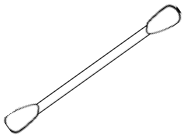
※ Please make sure to power off the printer before you clean it.

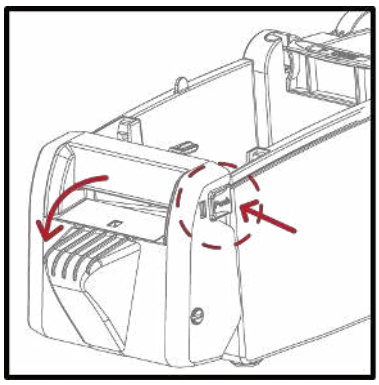
It is recommended to use a soft lint- free cloth or cotton bud to clean the cutter.

(Do not use alcohol to clean the Linerless models.)

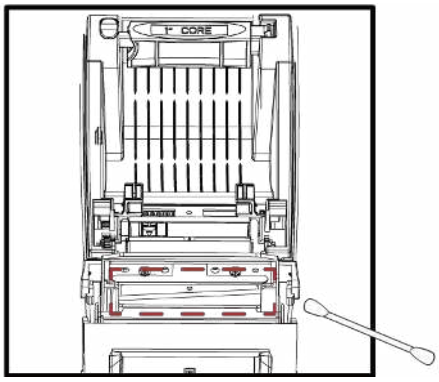




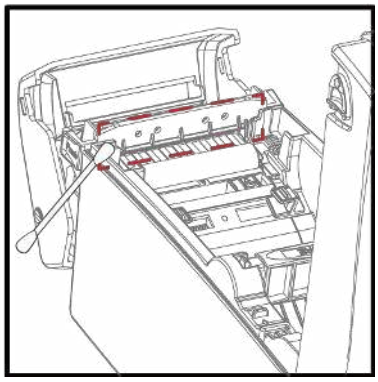




Open the cutter cover.



Swipe across the surface of cutter with a soft lint- free cloth or cotton bud



Swipe across the surface of cutter with a soft lint- free cloth or cotton bud

Note

* Please clean the cutter once a month or after 1,000 cuts to prevent trouble and retain the print quality.
* Please do not touch the cutter blade with bare hands.
* When cleaning the cutter blade, make sure that the printer power is turned off and disconnect the power cable from the electrical outlet.

5.4 Troubleshooting

Problem	Solution
The printer is switched on but the LCD screen does not light up.	● Check the power supply.
The LCD screen show the notice icon and printing is interrupted.	● Check the software settings (driver settings) or command codes. ● Look for the error alert in the table in Section 3.9. Error Alerts. ● Check whether the print mechanism is closed correctly.
The label stock passes through the printer but no image is printed.	● Choose the correct printer driver. ● Choose the correct label stock and a suitable printing mode.
The label stock jams during rinting.	● Clear the paper jam. Remove any label material left on the thermal print head and clean the print head using a soft lint-free cloth dipped in alcohol.
There is no printed image on some parts of the label.	● Check whether any label material or ribbon is stuck to the thermal print head. ● Check for errors in the application software. ● Check whether the starting position has been set incorrectly. ● Check the ribbon for wrinkles.
There is no printed image on part of the label or the image is blurred.	● Check the thermal print head for dust or other dirt. ● Use the internal "~T" command to check whether the thermal print head will carry out a complete print job. ● Check the quality of the print medium.
The printed image is positioned incorrectly.	● Check whether there is paper or dust covering the sensor. ● Check whether the label stock is suitable. Contact your supplier. ● Check the paper guide settings.
A label is missed out during printing.	● Check the label height setting. ● Check whether there is dust covering the sensor. ● Run the auto-detection function.
The printed image is blurred.	● Check the darkness setting. ● Check the thermal print head for dust or dirt. Please see the Section 5.1
The cutter does not cut off the labels in a straight line.	● Check whether the label stock is positioned straight.
The cutter does not cut off the labels completely.	● Check whether the label is more than 0.2 mm thick
When using the cutter, the labels are not fed through or cut off incorrectly.	● Check whether the cutter has been correctly installed. ● Check whether the paper guides are functioning correctly.
The label dispenser is not functioning normally.	● Check whether there is dust on the label dispenser. ● Check whether the label stock is positioned correctly.

Appendix

DT200+ series Printer Specification

Model		DT200+	DT230+	DT200i+	DT230i+
Print Method		Direct Thermal			
Resolution		203 dpi (8 dots/mm)	300 dpi (12 dots/mm)	203 dpi (8 dots/mm)	300 dpi (12 dots/mm)
Print Speed		Up to 7 IPS (178 mm/s)	Up to 5 IPS (127 mm/s)	Up to 7 IPS (178 mm/s)	Up to 5 IPS (127 mm/s)
Print Width		2.12" (54 mm)	2.24" (57 mm)	2.12" (54 mm)	2.24" (57 mm)
Print Length		Min. 0.12" (3 mm)**; Max. 539.37" (13,700 mm)	Min. 0.12" (3 mm)** ; Max. 236.22"(6,000 mm)	Min. 0.12" (3 mm)**; Max. 539.37" (13,700 mm)	Min. 0.12" (3 mm)** ; Max. 236.22"(6,000 mm)
Processor		32 Bit RISC CPU			
Memory	Flash SDRAM	128 MB 128 MB			
Sensor Type		Adjustable reflective sensor (full range). Fixed transmissive sensor. Central aligned.			
Media	Types Width Thickness Label Roll Diameter Core Diameter	Continuous form, gap labels, black mark sensing, and punched hole; label length set by auto sensing or programming Min. 0.6" (15 mm) – Max. 2.36" (60 mm) 0.0024" (0.06 mm) Min. - 0.008" (0.2 mm) Max. Max. 5" (127 mm) 1" (25.4 mm), 1.5" (38.1 mm)			
Printer Language		EZPL, GEPL, GZPL, GDPL auto switch			
Software	Label Design Tool Management Tools APP for Printing	GoLabel II (for EZPL only) (Windows) GoTools (Windows / Android) GoUtility (Windows) GoAPP (Android / iOS)			
Driver		Windows 7, Windows 8 & 8.1, Windows 10, Window11, Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, 2022, MAC, Linux			
SDK		Win CE, .NET, Windows 7, Windows 8 & 8.1, Windows 10, Windows 11, Android, Mac, iOS			
Resident Fonts	Bitmap Fonts TTF Fonts	6, 8, 10, 12, 14, 18, 24, 30, 16X26 and OCR A&B 0°, 90°, 180°, 270° rotatable, single characters 0°, 90°, 180°, 270° rotatable 8 times expandable in horizontal and vertical directions (Bold / Italic / Underline) 0°, 90°, 180°, 270° rotatable Internal TTF Fonts x5 : Traditional Chinese, Simplified Chinese, Japanese, Korean, Western languages			
Download Fonts	Bitmap Fonts Asian Fonts TTF Fonts	0°, 90°, 180°, 270° rotatable, single characters 0°, 90°, 180°, 270° rotatable 16x16, 24x24. Traditional Chinese (BIG-5), Simplified Chinese(GB2312), Japanese (S-JIS), Korean (KS-X1001) 0°, 90°, 180°, 270° rotatable and 8 times expandable in horizontal and vertical directions (Bold / Italic / Underline). 0°,90°, 180°, 270° rotatable			
Barcodes	1-D Bar codes 2-D Bar codes	China Postal Code, Codabar, Code 11, Code 32,Code 39, Code 93, Code 128 (subset A, B, C), EAN-8/EAN-13 (with 2 & 5 digits extension), EAN 128, FIM, German Post Code, GS1 DataBar, HIBC, Industrial 2 of 5 , Interleaved 2-of-5 (I 2 of 5), Interleaved 2-of-5 with Shipping Bearer Bars, ISBT-128, ITF 14, Japanese Postnet, Logmars, MSI, Postnet, Plessey, Planet 11 & 13 digit, RPS 128, Standard 2 of 5, Telepen, Matrix 2 of 5, UPC-A/UPC-E (with 2 or 5 digit extension), UCC/EAN-128 K-Mart, Random Weight and Pharmacode Aztec code, Code 49,Codablock F , Datamatrix code, MaxiCode, Micro PDF417, Micro QR code, PDF417,QR code, TLC 39, GS1 Composite, DotCode, Marco PDF 417			
Code Pages		Codepage 437, 737,850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869 Windows 1250, 1251, 1252, 1253, 1254, 1255, 1257 Unicode UTF8、UTF16BE、UTF16LE			
Graphics		Resident graphic file types are BMP and PCX, other graphic formats are downloadable from the software			
Interfaces		USB 2.0 (Type B) Serial port (RS-232) Ethernet 10/100 Mbps USB Host (Type A)			
Control Panel		Two LEDs : Ready, Status Power on / off button Calibration button Control key : FEED		Color TFT LCD with navigation button Power on/off button Calibration button Control key: FEED	
Real Time Clock		Option		Standard	
Power		Auto Switching 100-240V AC, 50-60Hz			
Environment	Operation Temperature Storage Temperature	41°F to 104°F (5°C to 40°C) -4°F to 122°F (-20°C to 50°C)			
Humidity	Operation Storage	30-85%, non-condensing 10-90%, non-condensing			
Agency Approvals		CE (EMC)、FCC Class B、CB、cULus、ICES-003, UKCA, ENERGY STAR (The safety certification marks may be different depending on sales regions.)			
Dimension	Length Width Height	207 mm (8.15") 112 mm (4.41") 171 mm (6.73")			
Weight		1.05 kg (2.31 lbs), exclusive consumables			
Options		Cutter module (Dealer Install) Label dispenser (Dealer Install) BT (Dealer Install) Wireless LAN (Dealer Install) WiFi module to WiFi and BT (BLE 5.0) combo module (Dealer Install) External label unwind stand External label rewinder Real time clock (RTC)		Cutter module (Dealer Install) Label dispenser (Dealer Install) BT (Dealer Install) Wireless LAN (IEEE 802.11 b/g/n) (Dealer Install) WiFi module to WiFi (IEEE 802.11 b/g/n) and BT (BLE 5.0) combo module (Dealer Install) External label unwind stand External label rewinder	

*Specifications are subject to change without notice. All company and/or product names are trademarks and/or registered trademarks of their respective owners.
**Minimum print height and maximum print speed specification compliance can be dependent on non-standard material variables such as label type, thickness, spacing, liner construction, etc. GoDEX is pleased to test non-standard materials for minimum print height, and maximum print speed capability.
***The cutter is an optional accessory. If the cutter is installed,it is not suitable for children to approach.

DT200L+ series Printer Specification

Model		DT200L+	DT230L+	DT200iL+	DT230iL+
Print Method		Direct Thermal			
Resolution		203 dpi (8 dots/mm)	300 dpi (12 dots/mm)	203 dpi (8 dots/mm)	300 dpi (12 dots/mm)
Print Speed		Up to 6 IPS (152 mm/s)	Up to 5 IPS (127 mm/s)	Up to 6 IPS (152 mm/s)	Up to 5 IPS (127 mm/s)
Print Width		2.12" (54 mm)	2.24" (57 mm)	2.12" (54 mm)	2.24" (57 mm)
Print Length		Min. 0.12" (3 mm)** ; Max . 539.37" (13,700 mm)	Min. 0.12" (3 mm)** ; Max. 236.22" (6,000 mm)	Min. 0.12" (3 mm)** ; Max . 539.37" (13,700 mm)	Min. 0.12" (3 mm)** ; Max. 236.22" (6,000 mm)
Processor		32 Bit RISC CPU			
Memory	Flash SDRAM	128 MB 128 MB			
Sensor Type		Adjustable reflective sensor (half range). Fixed transmissive sensor. Central aligned.			
Media	Types Width Thickness Label Roll Diameter Core Diameter	Continuous linerless label; label length set by auto sensing or programming Min. 0.6" (15 mm) – Max. 2.36" (60 mm) 0.0024" (0.06 mm) Min. - 0.004" (0.1 mm) Max. Max. 5" (127 mm) 1" (25.4 mm), 1.5" (38.1 mm)			
Printer Language		EZPL, GEPL, GZPL, GDPL auto switch			
Software	Label Design Tool Management Tools APP for Printing	GoLabel II (for EZPL only)(Windows) GoTools (Windows/ Android) GoUtility (Windows) GoAPP (Android/ iOS)			
Driver		Windows 7, Windows 8 & 8.1, Windows 10, Window11, Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, 2022, MAC, Linux			
SDK		Win CE, .NET, Windows 7, Windows 8 & 8.1, Windows 10, Windows 11, Android, Mac, iOS			
Resident Fonts	Bitmap Fonts TTF Fonts	6, 8, 10, 12, 14, 18, 24, 30, 16X26 and OCR A&B 0°, 90°, 180°, 270° rotatable, single characters 0°, 90°, 180°, 270° rotatable 8 times expandable in horizontal and vertical directions (Bold / Italic / Underline) 0°, 90°, 180°, 270° rotatable Internal TTF Fonts x5 : Traditional Chinese, Simplified Chinese, Japanese, Korean, Western languages			
Download Fonts	Bitmap Fonts Asian Fonts TTF Fonts	0°, 90°, 180°, 270° rotatable, single characters 0°, 90°, 180°, 270° rotatable 16x16, 24x24. Traditional Chinese (BIG-5), Simplified Chinese(GB2312), Japanese (S-JIS), Korean (KS-X1001) 0°, 90°, 180°, 270° rotatable and 8 times expandable in horizontal and vertical directions (Bold / Italic / Underline). 0°,90°, 180°, 270° rotatable			
Barcodes	1-D Bar codes 2-D Bar codes	China Postal Code, Codabar, Code 11, Code 32,Code 39, Code 93, Code 128 (subset A, B, C), EAN-8/EAN-13 (with 2 & 5 digits extension), EAN 128, FIM, German Post Code, GS1 DataBar, HIBC, Industrial 2 of 5 , Interleaved 2-of-5 (I 2 of 5), Interleaved 2-of-5 with Shipping Bearer Bars, ISBT-128, ITF 14, Japanese Postnet, Logmars, MSI, Postnet, Plessey, Planet 11 & 13 digit, RPS 128, Standard 2 of 5, Telepen, Matrix 2 of 5, UPC-A/UPC-E (with 2 or 5 digit extension), UCC/EAN-128 K-Mart, Random Weight and Pharmacode Aztec code, Code 49,Codablock F , Datamatrix code, MaxiCode, Micro PDF417, Micro QR code, PDF417,QR code, TLC 39, GS1 Composite, DotCode, Marco PDF 417			
Code Pages		Codepage 437, 737,850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869 Windows 1250, 1251, 1252, 1253, 1254, 1255, 1257 Unicode UTF8、UTF16BE、UTF16LE			
Graphics		Resident graphic file types are BMP and PCX, other graphic formats are downloadable from the software			
Interfaces		USB 2.0 (Type B) Serial port (RS-232) Ethernet 10/100 Mbps USB Host (Type A)			
Control Panel		Two LEDs : Ready, Status Power on / off button Calibration button Control key : FEED		Color TFT LCD with navigation button Power on/off button Calibration button Control key: FEED	
Real Time Clock		Option		Standard	
Power		Auto Switching 100-240V AC, 50-60Hz			
Environment	Operation Temperature Storage Temperature	41°F to 104°F (5°C to 40°C) -4°F to 122°F (-20°C to 50°C)			
Humidity	Operation Storage	30-85%, non-condensing 10-90%, non-condensing			
Agency Approvals		CE (EMC)、FCC Class B、CB、cULus、ICES-003, UKCA, ENERGY STAR (The safety certification marks may be different depending on sales regions.)			
Dimension	Length Width Height	219 mm (8.62") 112 mm (4.41") 171 mm (6.73")			
Weight		1.07 kg(2.36 lbs), exclusive consumables			
Options		Linerless Cutter module (Dealer Install) BT (Dealer Install) Wireless LAN (Dealer Install) WiFi module to WiFi and BT (BLE 5.0) combo module (Dealer Install) Real time clock (RTC)		Linerless Cutter module (Dealer Install) BT (Dealer Install) Wireless LAN (Dealer Install) WiFi module to WiFi and BT (BLE 5.0) combo module (Dealer Install)	

*Specifications are subject to change without notice. All company and/or product names are trademarks and/or registered trademarks of their respective owners.
**Minimum print height and maximum print speed specification compliance can be dependent on non-standard material variables such as label type, thickness, spacing, liner construction, etc. GoDEX is pleased to test non-standard materials for minimum print height, and maximum print speed capability.
***The cutter is an optional accessory. If the cutter is installed,it is not suitable for children to approach.

Interface

Pinout Description

- USB

Connector Type : Type B

Pin NO.	1	2	3	4
Function	VBUS	D-	D+	GND

- Serial port

Default settings :	Baud rate 9600, no parity, 8 data bits, 1 stop bit, XON/XOFF protocol and RTS/CTS

RS232 Housing(9-pin to 9-pin)

DB9 Socket		DB9 Plug
-		+5V, max 500mA
RXD	1_____1	TXD
TXD	2_____2	RXD
DTR	3_____3	N/C
GND	4_____4	GND
DSR	5_____5	RTS
RTS	6_____6	CTS
CTS	7_____7	RTS
RI	8_____8	N/C
Computer	9_____9	Printer

- Ethernet

Type:RJ45

Pin NO.	1	2	3	4	5	6	7	8
	TX+	TX-	RX+	NC	NC	RX-	NC	NC

- USB host

Connector Type : Type A

Pin NO.	1	2	3	4
	VBUS	D-	D+	GND

File Manipulation When Using USB Stick

File Manipulation

The files in both devices (USB memory stick and printer internal Flash memory) are able to copy and move by the commands "~MCPY" and "MMOV" that sends from GoLabel on a PC via either connection - USB or Ethernet ports.

- Copy

Syntax	~MCPY,s:o.x,d:o.x
Parameter	s = source device of stored object (s = D (for USB memory stick) or F (for internal Flash memory)) d = destination device of stored object o = object name , the name "o" is substituted for "*" x = extension (file type), the type "x" is substituted by "*", or following either one: D= database, A= Asia font, C= TTF font, E= Bit-Mapped font, F= label format, G= graphic, S= serial file, T= text, B= Unicode Table.
Description	Copy file from USB memory stick to Flash memory, or vise-versa
Example	~MCPY,F:*.F,D:*.F (Copy entire "Label Format" files from Flash memory to USB memorystick) ~MCPY,D:*.G,F:*.G (Copy entire "Graphic" files from USB memory stick to Flash Memory) ~MCPY,D:*.*,F:*.* (Copy all object files from USB memory stick to Flash Memory)

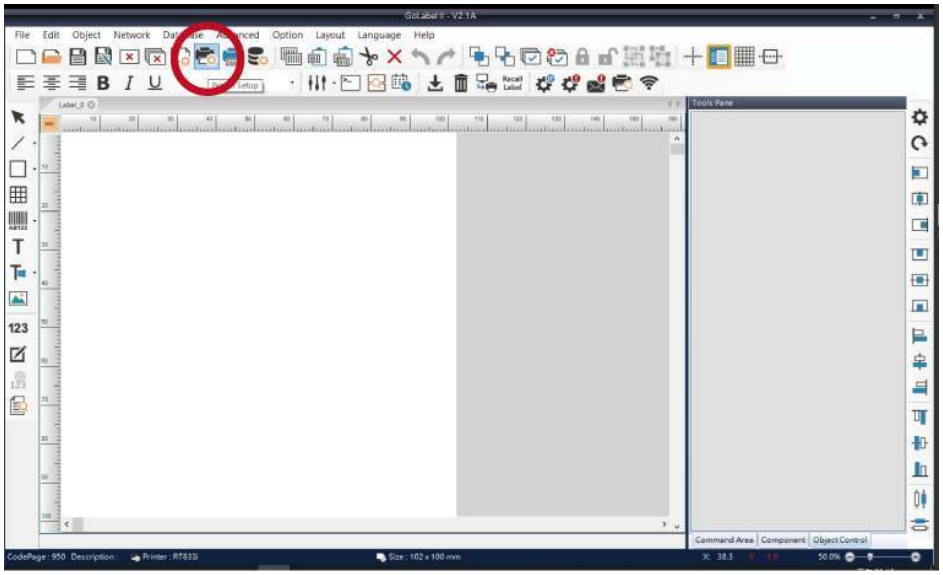
- Move

Syntax	~MMOV,s:o.x,d:o.x
Parameter	s = source device of stored object; ● "D" for USB memory stick; "F" for internal Flash memory d = destination device of stored object ● "D" for USB memory stick; "F" for internal Flash memory o = object name (file name); the name "o" is substituted for "*" x = extension (file type), the type "x" is substituted by "*", or following either one: D= database, A= Asia font, C= TTF font, E= Bit-Mapped font, F= label format, G= graphic, S= serial file, T= text, B= Unicode Table.
Description	Move files from USB memory stick to Flash memory or vise-versa
Example	~MMOV,F:*.F,D:*.F (Move entire "Label Format" files from Flash memory to USB memorystick) ~MMOV,D:*.G,F:*.G (Move entire "Graphic" files from USB memory stick to Flash Memory) ~MMOV,D:*.*,F:*.* (Move all object files from USB memory stick to Flash Memory)

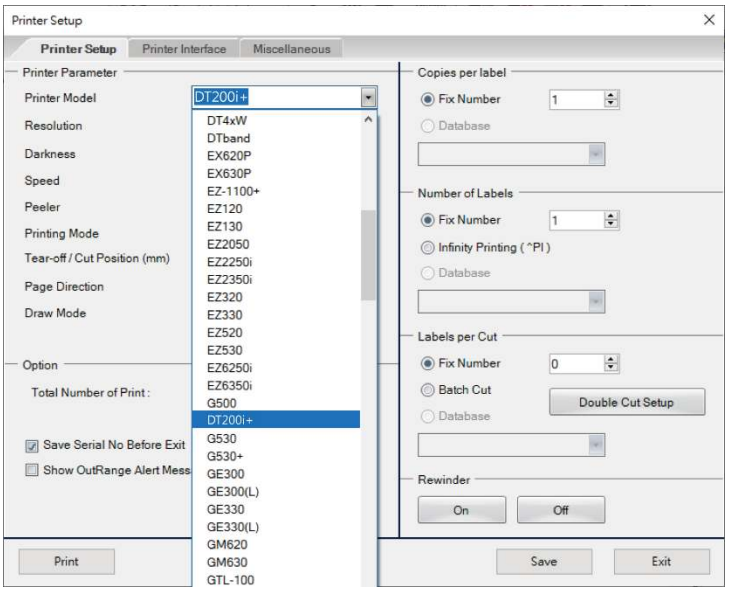
Wi-Fi Printer Sever Module Installation(Quick Setting)

Set up wireless network through GoDEX WiFi tool

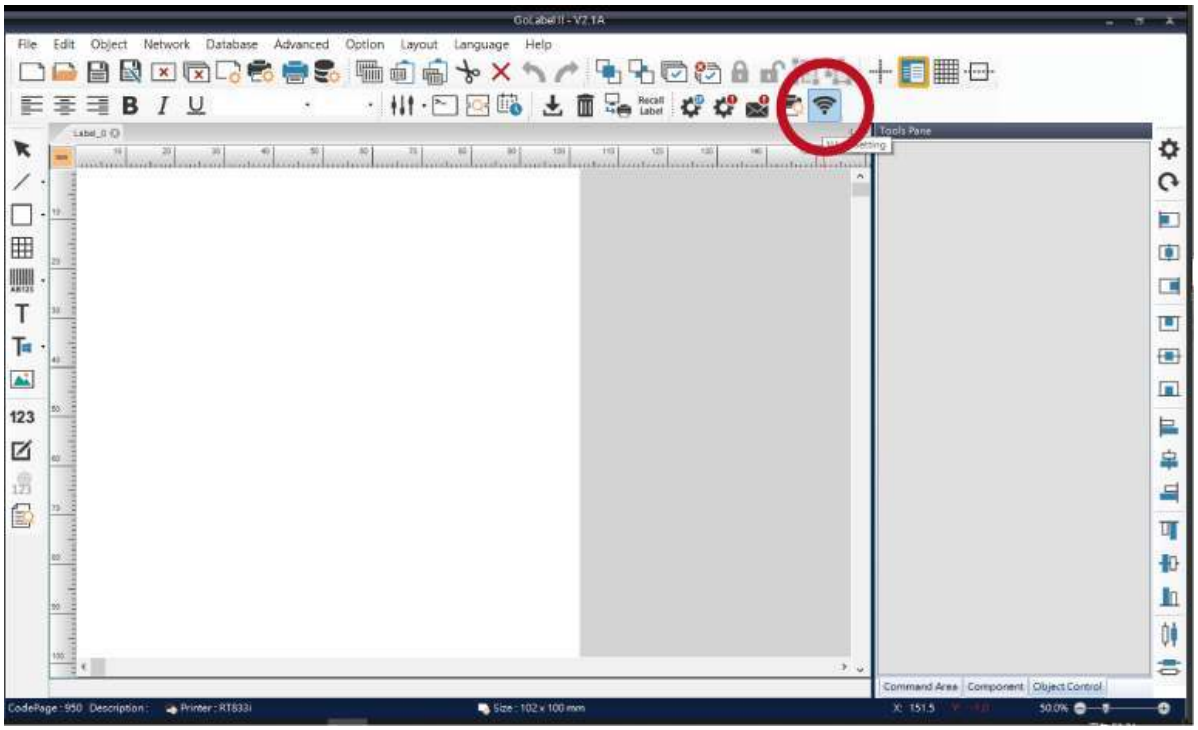
1. Turn on the printer,connect printer and computer by USB cable.
2. Start GoLabel II
3. “Generic”→”Printer Setup”.



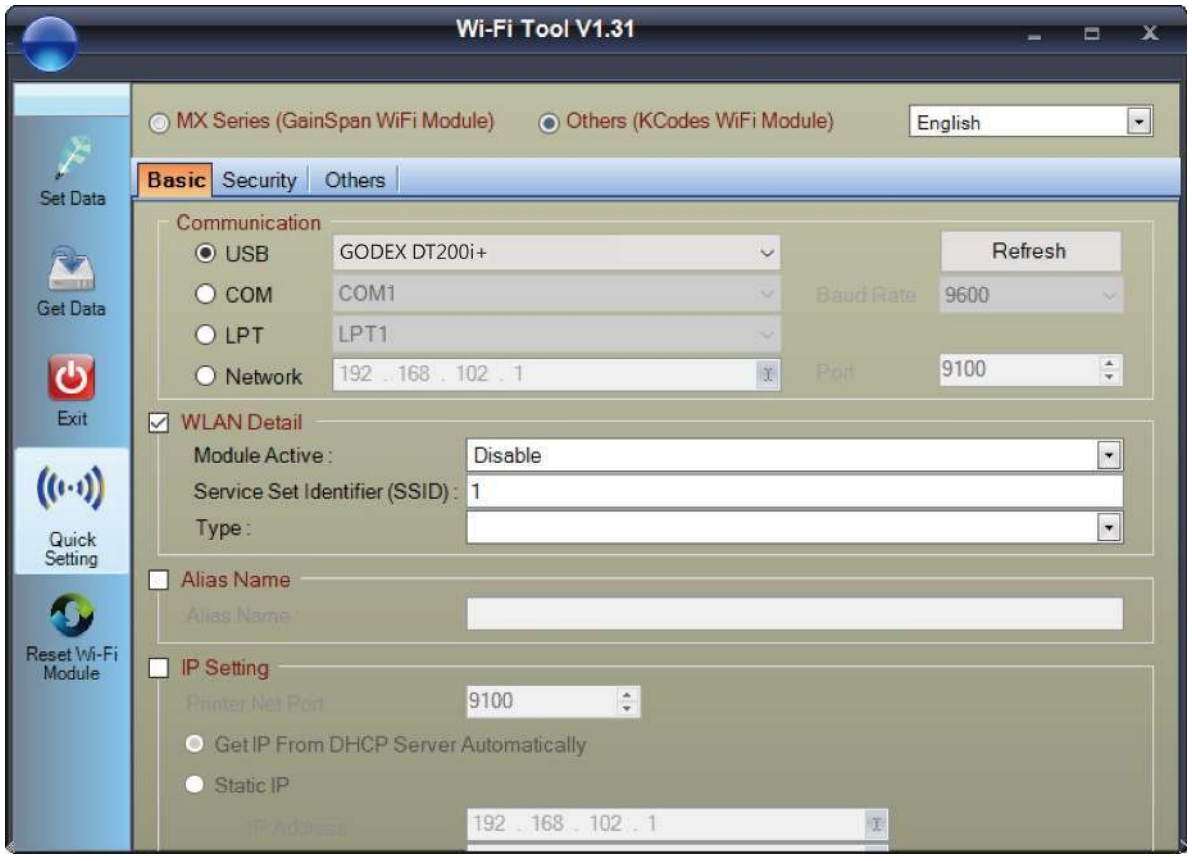
4. Select printer moedel(Wi-Fi supported models).



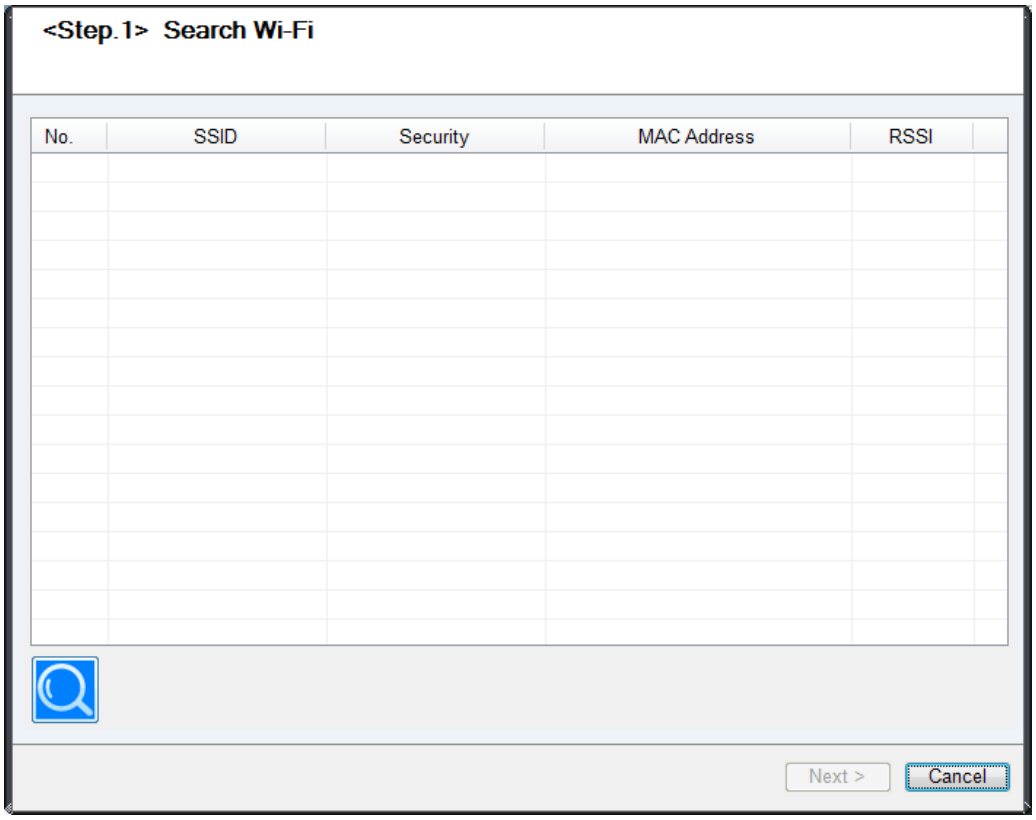
5. Click"WiFi Setting"icon.

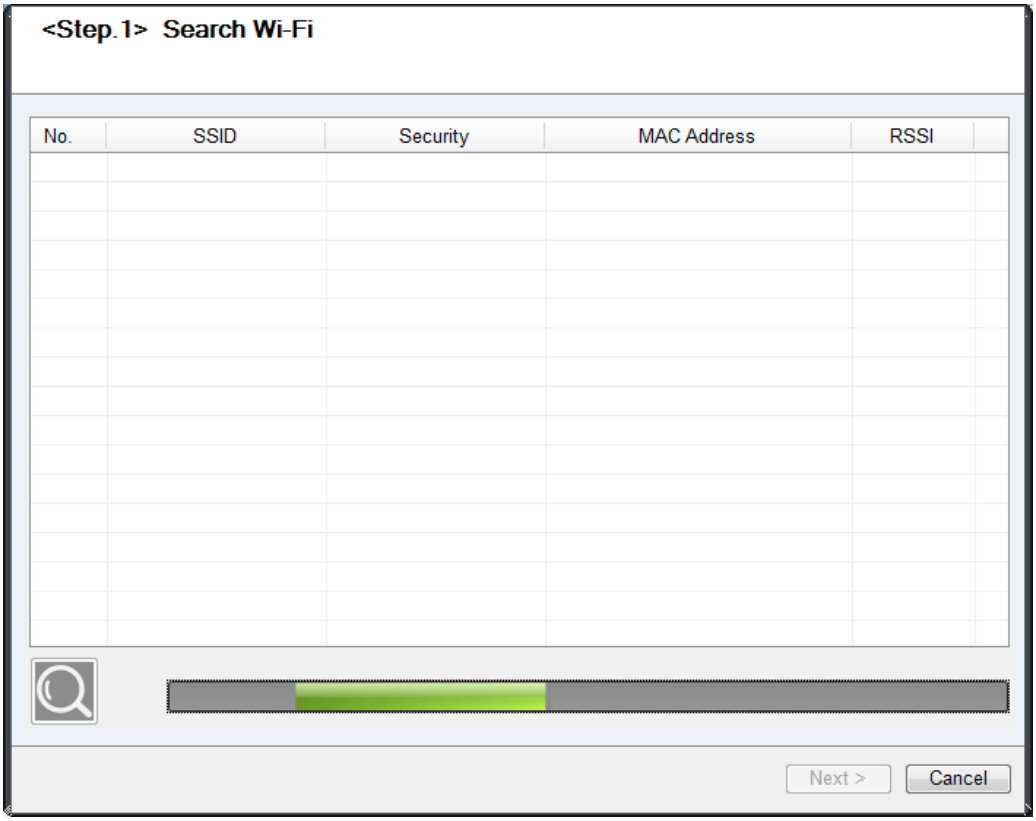


6. Click"Quick Setting"icon.

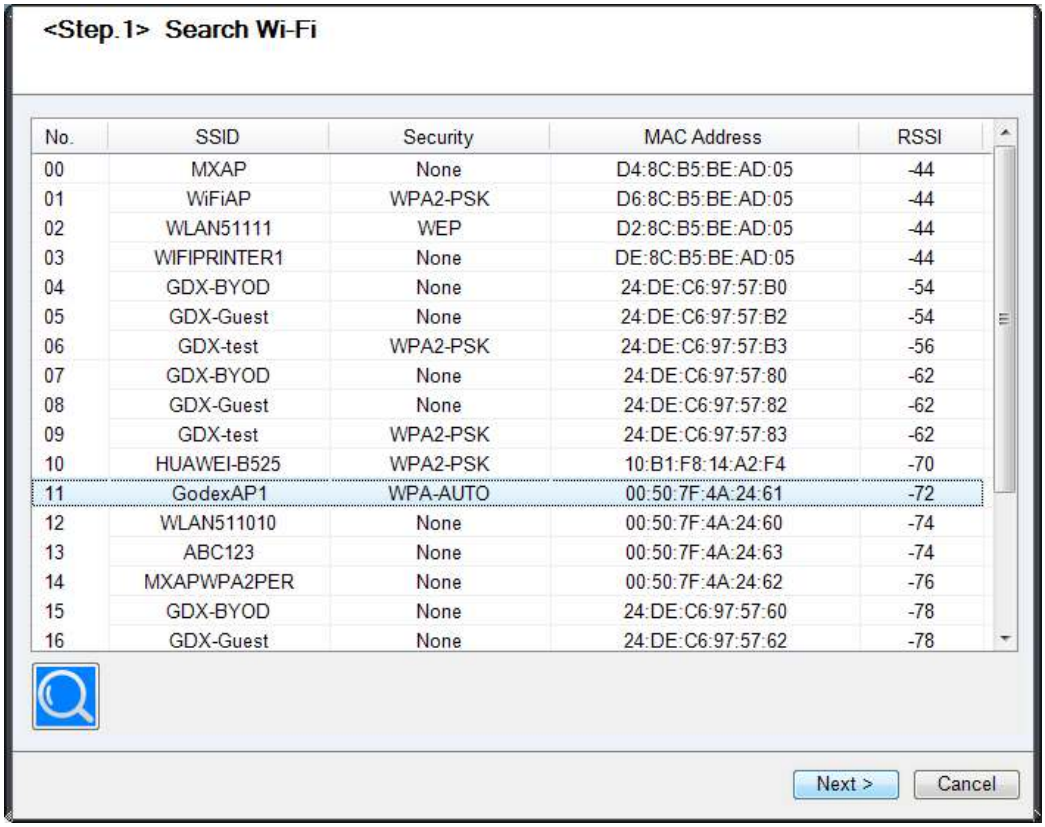


7. Click the Search button.

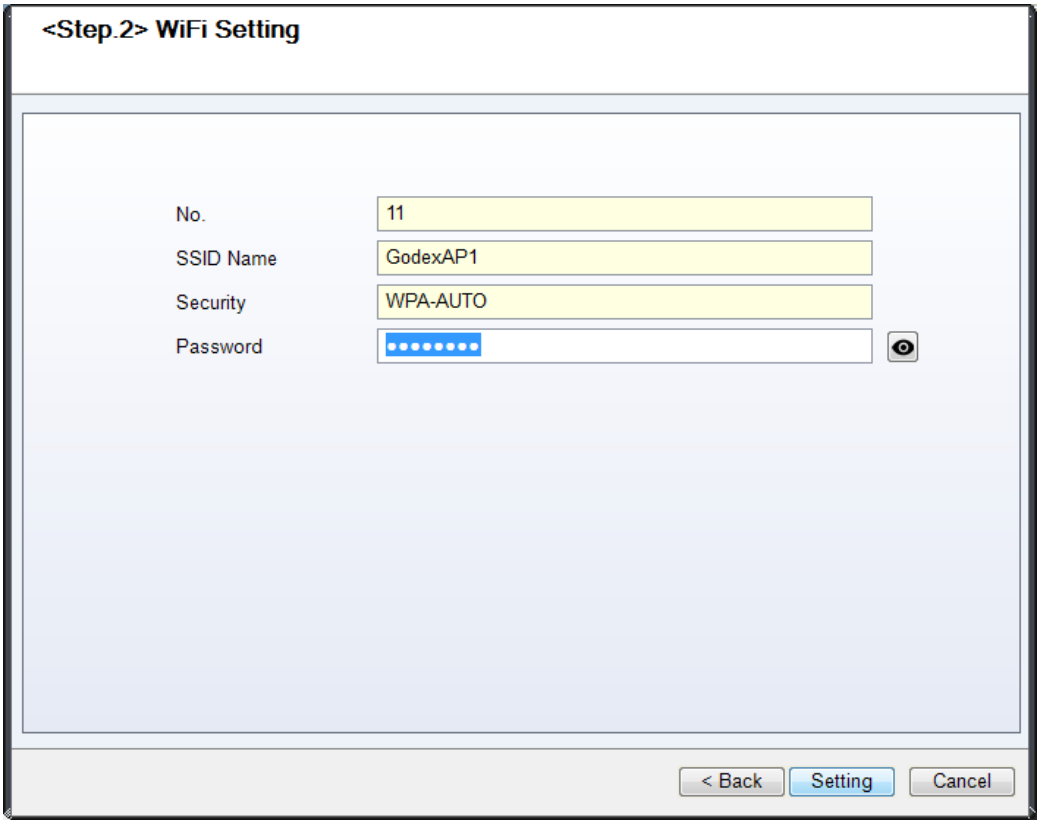




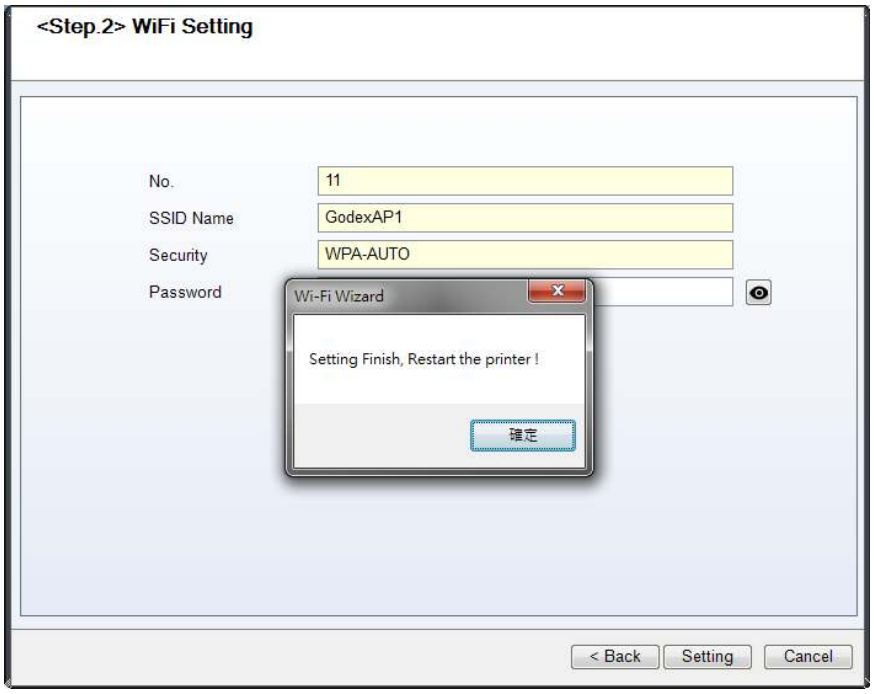
8. Select server and click next button.



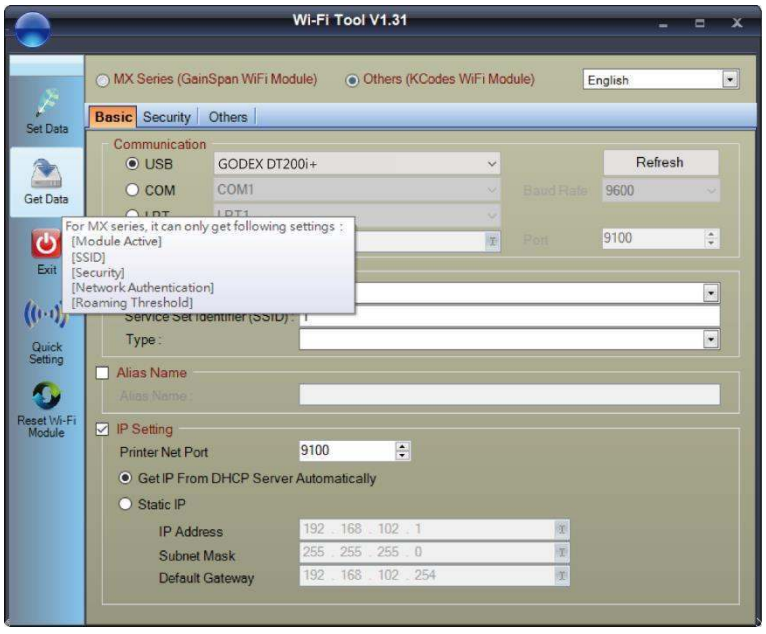
9. Enter the password set on the server side and click the "Setting" button.



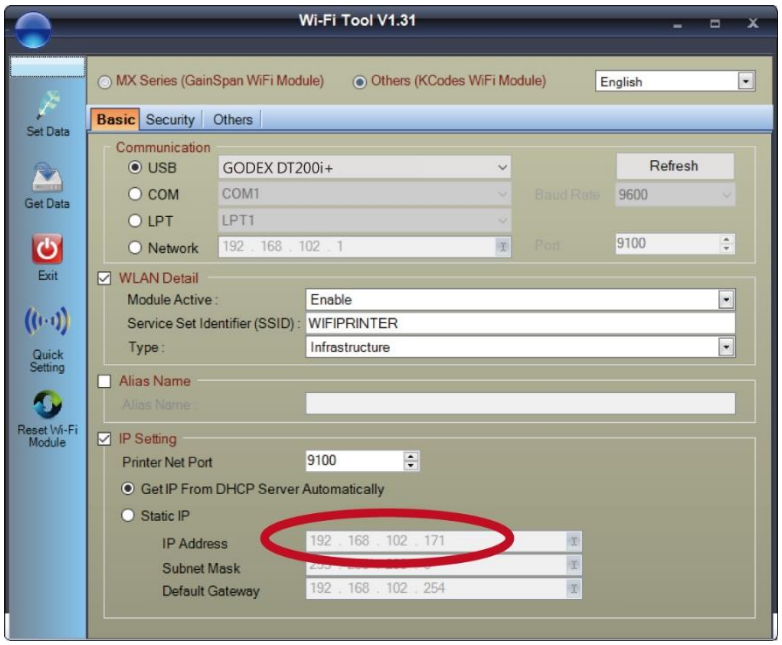
10. After the setting succeeded, a prompt will pop up and the printer will restart.



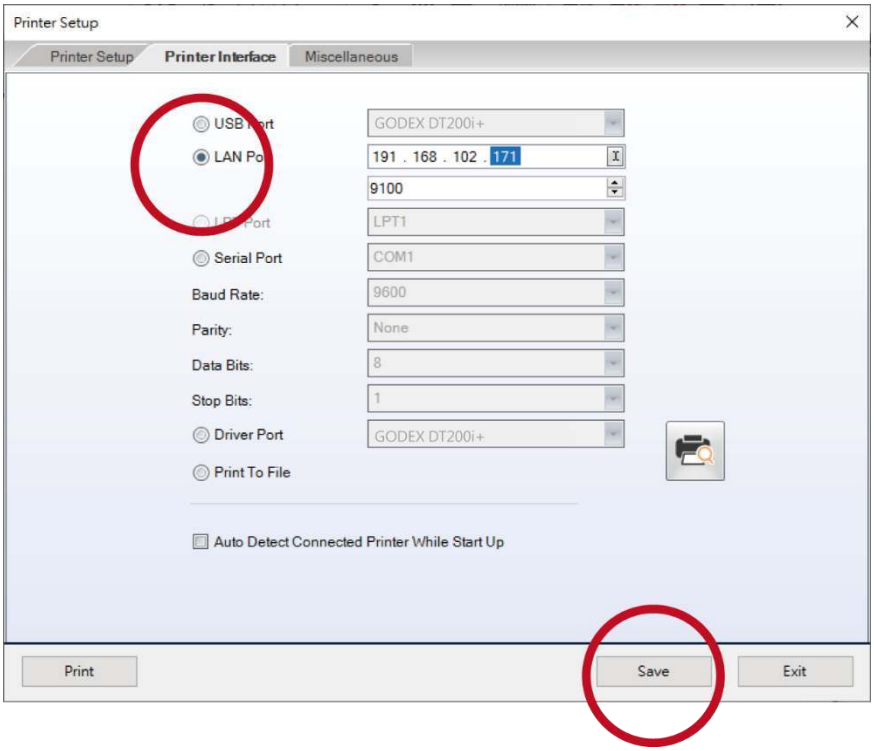
11. Select the "Other" tab and selecting "IP Settings" after click the "Get Data" icon.



12. After remembering the IP address, open the "Printer Settings" window.



13. Select the"Printer Interface"tab, fill in the IP address and click "Save" to complete the setting.



BT module setting instructions (Connect to mobile phone)

* Android applies to BT2.1 and 4.0
iOS only works with BT4.0

First pair the phone with the printer

1. Turn on the printer and wait for it to enter the “Ready” state.
2. Select the printer model you want to connect.
   (The default pairing password is 0000)

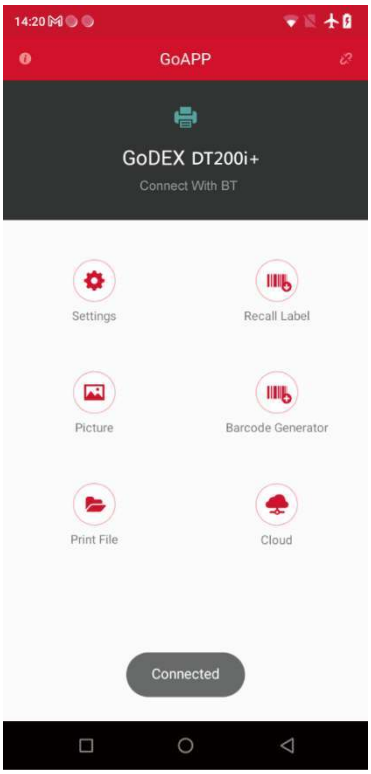
3. Open the GoApp application.

Select connection method and printer

4. For the connection method, choose “Near BT” button.

5. The printers which installed the BT module will be listed below, select the printer to connect.

6. If the connection is successful, the function window will be displayed.



*** When using the BT4.0 module, you need to use GoLabel to send the command "^XSET,EXTERNCARDMODE,8" to the printer first.**

if you need to switch to 2.1 version, please send the command (^XSET,EXTERNCARDMODE,255) to ensure the correct functionality.