

### RT200i/RT230i BARCODE PRINTER USER MANUAL



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### RT200i/RT230i USER MANUAL

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- Interface
- File Manipulation When Using USB Stick

### FCC COMPLIANCE STATEMENT FOR AMERICAN USERS

This equipment has been tested and found to comply with the limits for a CLASS A digital device, pursuant to Part 15 Subpart B of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at own expense.

### EMS AND EMI COMPLIANCE STATEMENT FOR EUROPEAN USERS

This equipment has been tested and passed with the requirements relating to electromagnetic compatibility based on the standards EN55032:2012/AC:2013 Class A, EN 61000-3-2:2014,EN 61000-3-3:2013 and EN55024:2010, IEC 61000-4-2:2008 series The equipment also tested and passed in accordance with the European Standard EN55032 for the both Radiated and Conducted emissions limits.

### RT200i SERIES TO WHICH THIS DECLARATION RELATES IS IN CONFORMITY WITH THE FOLLOWING STANDARDS

IEC 60950-1:2005(2nd Edition)+Am 1:2009 Am 2:2013, GB4943.1-2011 GB9254-2008(Class A) GB17625.1-2013, EN55032:2012/AC:2013 Class A, EN 61000-3-2:2006/A2:2009, EN 61000-3-3:2008 and EN55024:2010, IEC 61000-4-2:2008 series, UL 60950-1, 2nd Edition, 2011-12-19, CSA C22.2 No. 60950-1-07, 2nd Edition, 2011-12, CFR 47, Part 15 Subpart B

#### WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

此为Class A产品,在生活环境中,该产品可能造成无线电干扰,在这种情况下,可能需要用户对其干扰采取切实可行的措施。

### RT200i/RT230i USER MANUAL 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.

### 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.

Barcode Printer

### 1.1 Box Content

Please check that all of the following items are included with your printer.

• RT200i/RT230i Barcode Printer



Label Stock

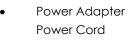


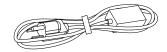
Ribbon Module Empty Ribbon Core



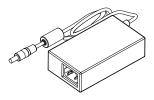
Ribbon



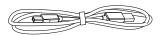




AC Adapter



• USB Cable



CD Including GoLabel software and RT200i/RT230i user manual.



RT200i/RT230i Quick Guide



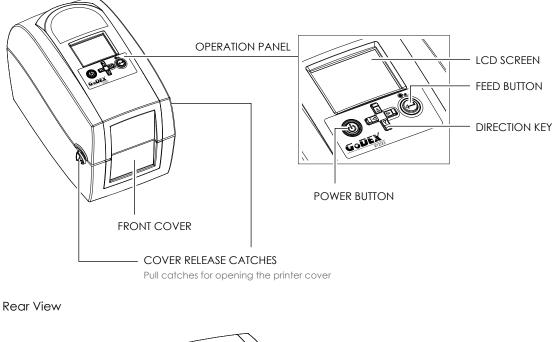
\* Package content may vary per region.

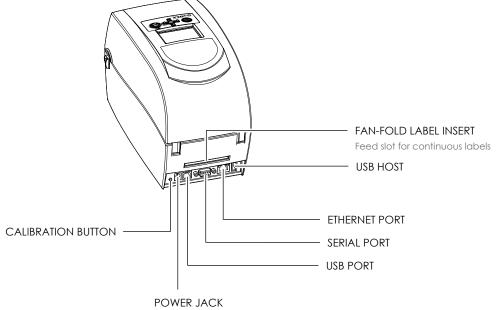
### Barcode Printer

### 1.2 Getting to Know Your Printer

#### **Device Overview**

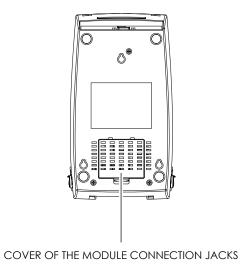
• Front View







Bottom View



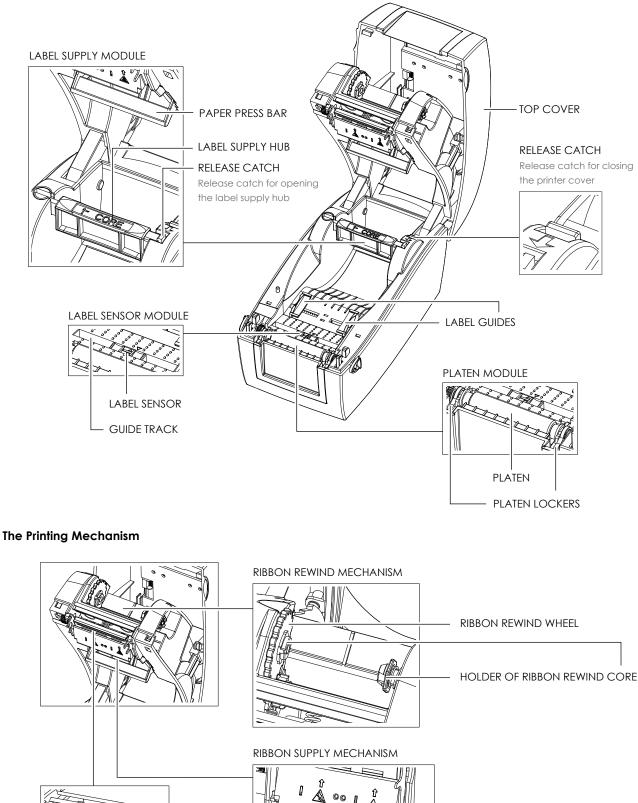
### Notice

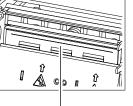
\* Cut-outs are not intended for wall-mount use.





#### The Internal View of Printer





PRINT HEAD

RIBBON SUPPLY WHEEL

HOLDER OF RIBBON SUPPLY CORE

4

H.

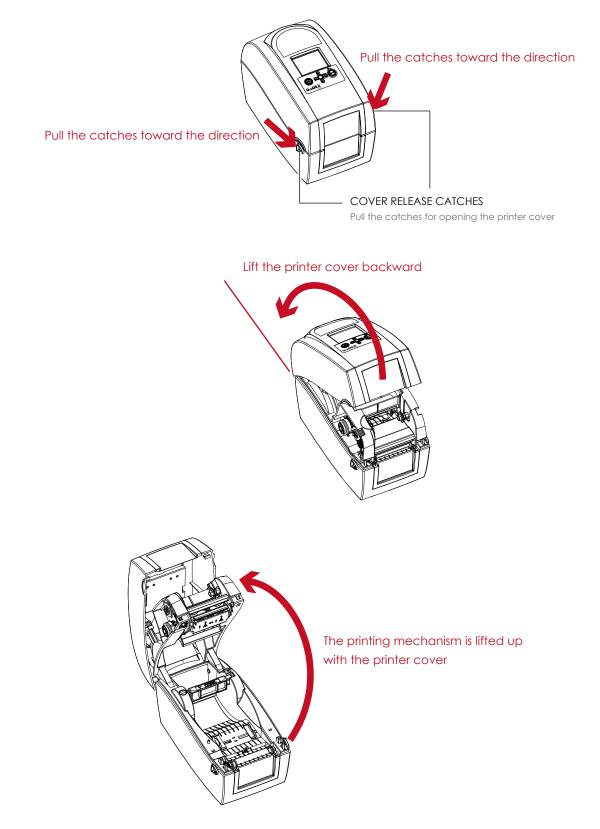
4/



### 2.1 Open the Printer

#### Open the Printer Cover and the Printing Mechanism

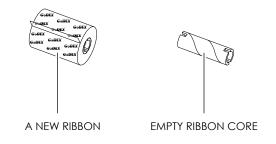
Place the printer on a flat surface. Open the printer cover by pulling the release catches on both sides of the printer and lift the cover.



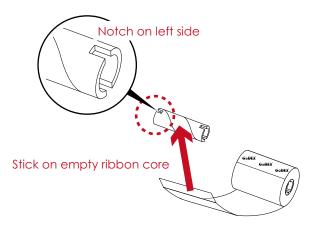


### 2.2 Loading the Ribbon

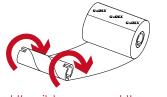
#### A New Ribbon Module Installation



1. Attach the ribbon to the empty ribbon core with the adhesive strip at the end of the ribbon.

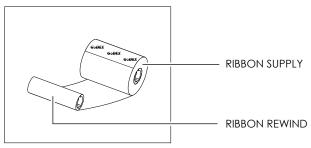


2. Wind the ribbon around the empty ribbon core for 2 to 3 circles.



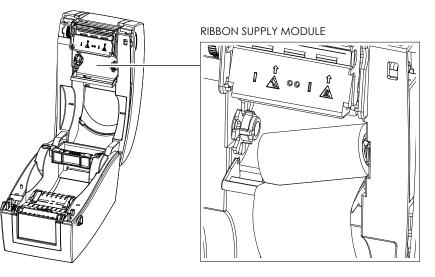
- Wind the ribbon around the core
- 3. A ribbon module is assembled as below.

#### A NEW RIBBON MODULE

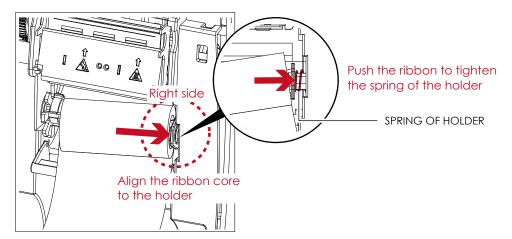




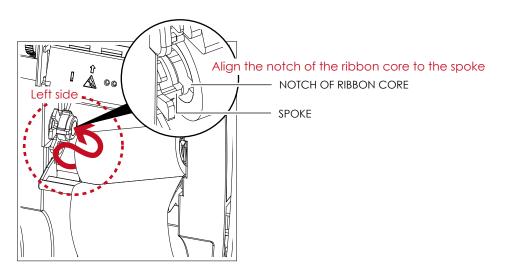
### Load the Ribbon on the Printer For Ribbon Supply Module



1. Place the right-hand side of ribbon first.

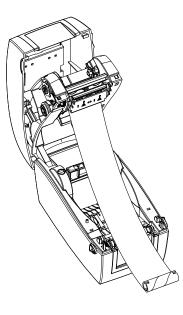


2. Then place the left-hand side of the ribbon.

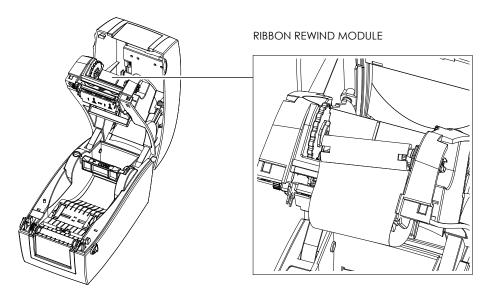




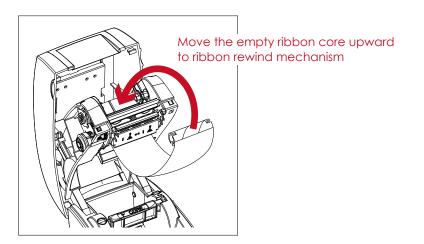
3. The ribbon supply module loading is completed.



Load the Ribbon on the Printer For Ribbon Rewind Module

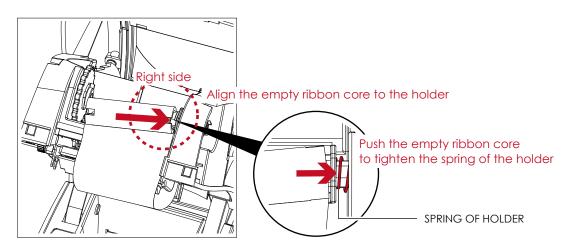


1. Pass the ribbon to round the print head.

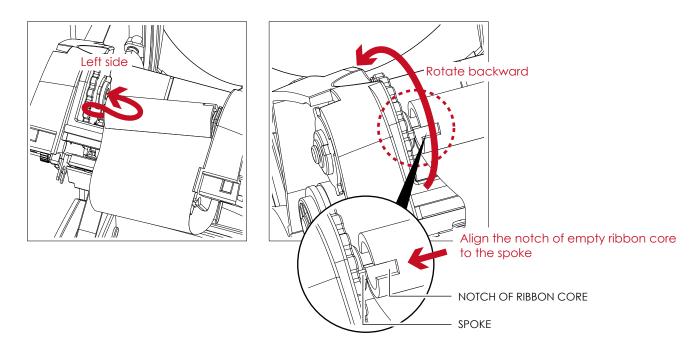




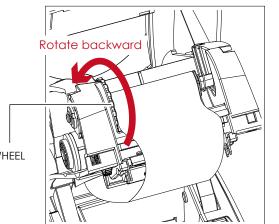
2. Place the right-hand side of empty ribbon core first.

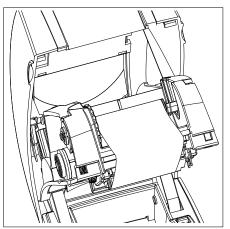


Then place the left-hand side of the empty ribbon core.
 Turn the ribbon wheel to align the notch of empty ribbon core to the spoke.



 Turn the ribbon rewind wheel to tighten the ribbon until it has no wrinkles. The ribbon loading is completed once the ribbon supply module and ribbon rewind module are assembled correctly.



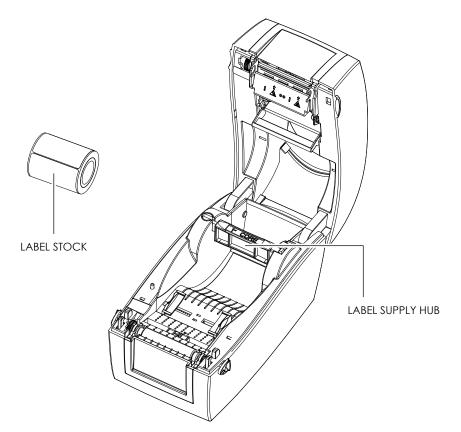


RIBBON REWIND WHEEL

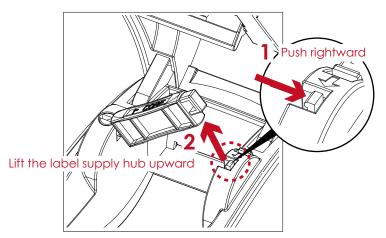


### 2.3 Loading the Label Roll Module

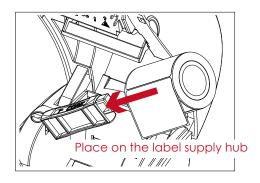
#### A New Label Supply Module Loading



1. Unlock the release catch to lift the label supply hub.

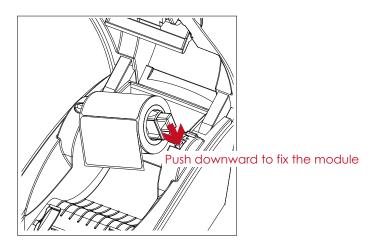


2. Place the label stock on the label supply hub.

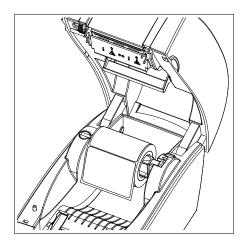




3. Push the label supply module downward and close the release catch.

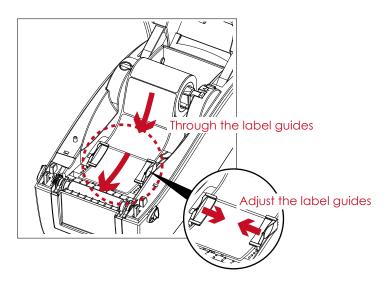


4. A new label supply module is completed.



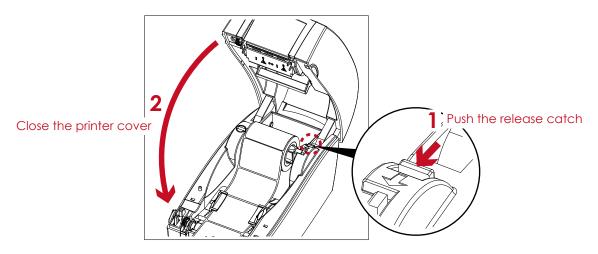
### Loading the Label Roll Module on the Printer

1. Feed the Label through the label guides and adjust the label guides to the label width. The label guides will help to prevent the label swaying.

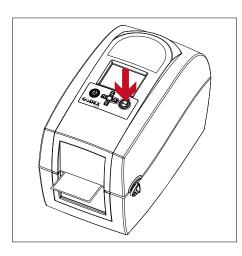




2. Unlock the release catch to close the printer cover.



3. Press the FEED key and make sure the label is fed smoothly. The label loading is completed now.

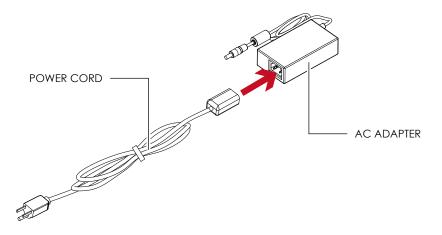


### Notice

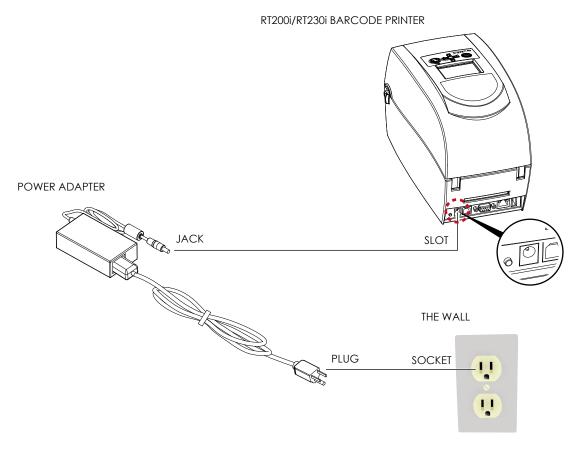
<sup>\*</sup> Please keeps the rack gear clean to ensure the smoothness of label holder.

### 2.4 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.



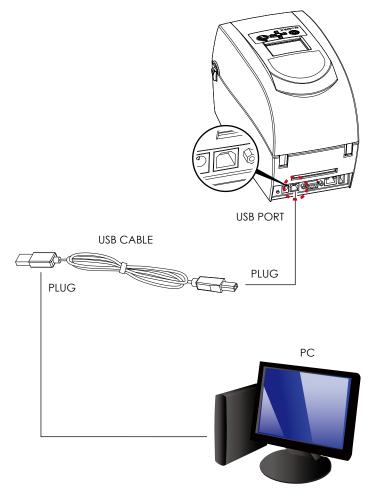
Connect the jack of the power adapter to the printer and connect the plug of the power adapter to the socket of the wall.





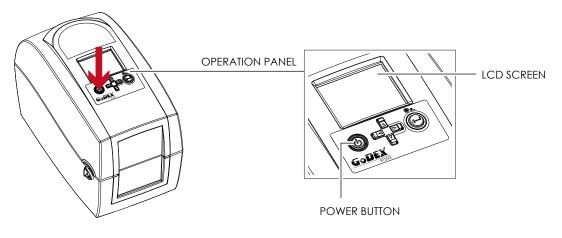
3. Connect the USB/serial cable to the printer and host computer.

RT200i/RT230i BARCODE PRINTER



4. Pressing the POWER button. The LCD screen should now lights up.

#### Pressing the POWER button



### 2.5 Installing Printer Driver and GoLabel with Super Wizard CD

1. Insert the Super Wizard CD in the CD/DVD drive of the host computer and the program should pop up automatically. You will see the Welcome screen first. On the Welcome screen, choose "Standard Installation".



2. The wizard will then ask you to make sure your USB and power cables are connected and that the power is turned on. Make sure that is done and then click "Next".



3. The next screen you will see is, "Install the GoLabel Software and Windows driver". Click "Next" to continue.



### Notice

\* If the Super Wizard program did not run automatically, you can either turn on the "Auto-run" setting for your CD/DVD driver or double-click the icon of CD/DVD driver to run the program.

4. As the printer driver and GoLabel are installing, a screen will display a progress bar.



5. Once the installation is complete, you can start to make and print labels with GoLabel or throug the printer driver.



6. As the optional steps, you can also print a test label or register your printer during the "Standard Installation" procedure.



### Notice

\* If you need more resources, tools or reference documents, you can also find them on Super Wizard CD. Just click "Other Choices" on Welcome Screen to access the files.

### Installing Printer Driver Directly From CD Folder

1. Insert the product CD in the CD/DVD drive of the host computer and open the "Seagull Drivers" folder on the CD. Select the icon for the driver file and click it to start the installation.



2. Follow the instructions on the screen. The Driver Wizard guides you through the installation procedure. Select "Install printer drivers".

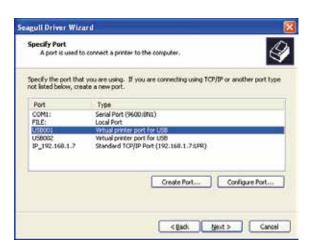
Seagull Driver Wizard	
	Welcome to the Seagull Driver Wizard This wizard helps you install and remove printer drivers. What would you like to do? Install printer drivers Upgrade printer drivers Remove printer drivers
	< (jack Next > Cancel

3. Specify your printer model.

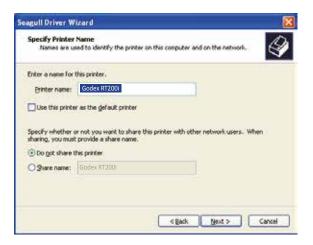
agell Ori	wer Wizard				
	Printer Model nanufacturer and mode	el determine w	hich printer driver	to use.	S
Specify th	e model of your printer	i.			
Frinter I Godex R	and the second sec				
Source: Version:	C:(Seap.il				Browse
			< gada	Qeat >	Cancel



4. Specify the port used to connect the printer to the host computer.



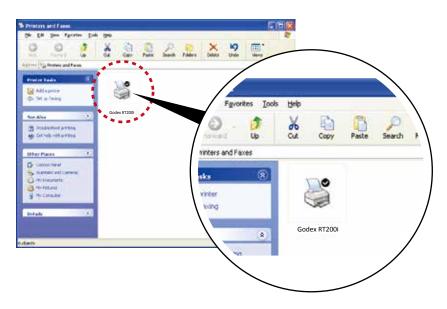
5. Enter a printer name and assign the appropriate rights.



6. Once the installation is complete, a summary of the printer settings is displayed. Check whether the printer settings are correct and click "Finish" to start copying the driver files. Wait until copying is complete, then finish the installation.

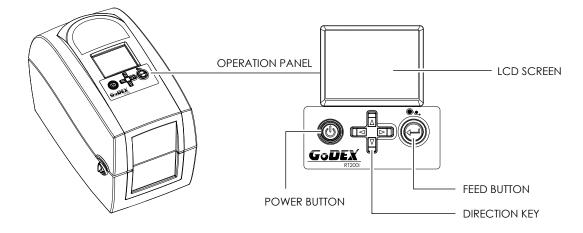


7. Once the driver installation is complete, the new printer should appear in the "Printers and Faxes" folder.



### 3.1 Operation Panel

#### **Operation Panel Introduction**



#### **POWER Button**

Press the POWER button to turn on the printer, and the START UP SCREEN appears. The printer is on "ready to print" status, the LCD screen should display the message "READY" on the screen.

When printer is turned on, keep pressing the POWER button for 3 second 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.

If the label does not stop at the correct position, you need to run the auto-detection function on the label stock, please see Section 3.4 Label Calibration and Self Test.

### 3.2 LCD Interface Introduction

### **Getting Started**

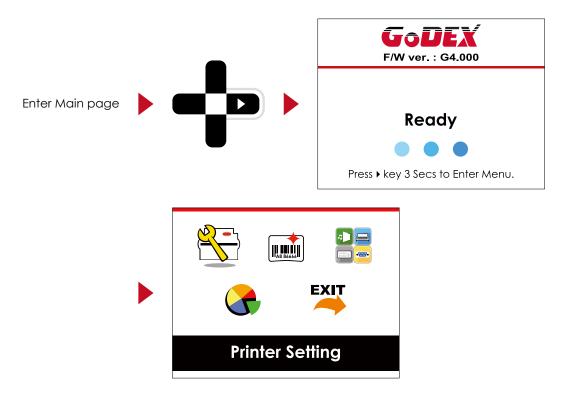
Press the POWER button to turn on the printer, and the START UP SCREEN appears.



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

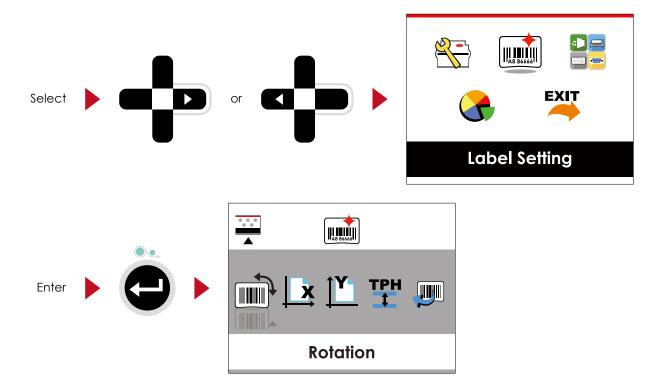


Please keep pressing > button and wait for the timer to be filled, then the LCD interface will enter into the MAIN PAGE for SETTING MODE. You can make various setting functions in SETTING MODE.



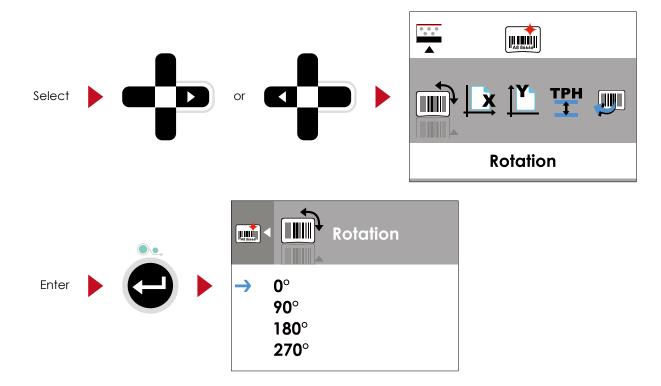
### **Operations on Setting Page**

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.

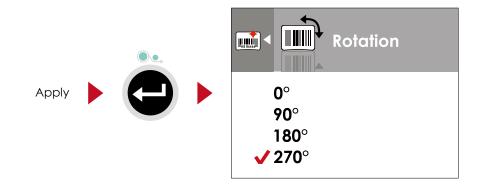
Select a designated function and press FEED button, you will enter the SETTING VALUE PAGES for the function.



Select  $\circ$  or  $\circ$   $\circ$   $\circ$   $\circ$   $\circ$   $90^{\circ}$   $180^{\circ}$   $\rightarrow$   $270^{\circ}$ 

On SETTING VALUE PAGES, press  $\checkmark$  or  $\checkmark$  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 blue arrow indicates the value you are selected.

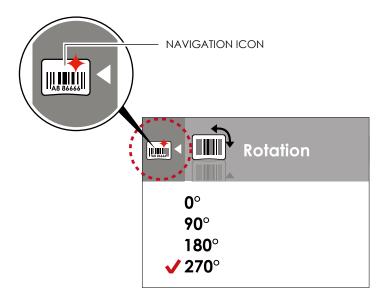


\*\* The red tick indicates that the selected value is applied now.

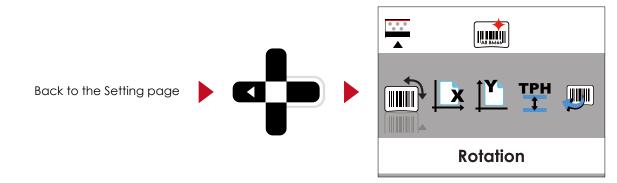


### Exit from Current Page to Ready Status

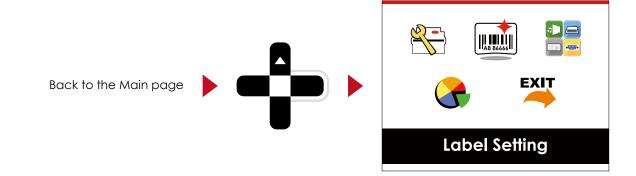
The icon on top-left corner displays the capture of upper level screen and also guides you back to upper level with left or up arrow.



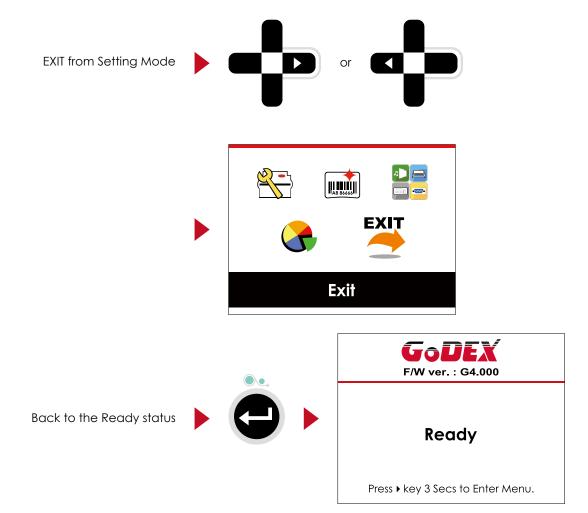
On SETTING VALUE PAGES, press • button will go back to the upper level screen.



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



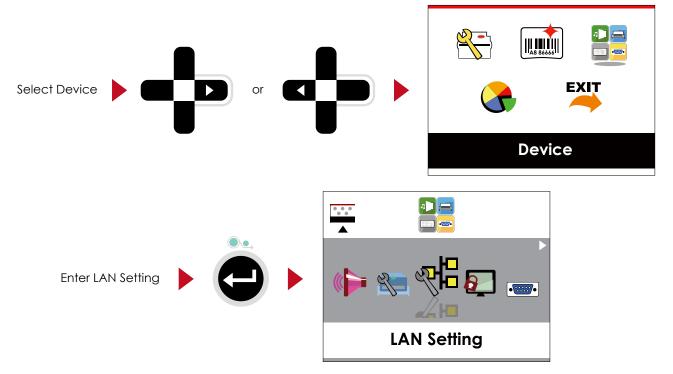
On MAIN PAGE, select the "EXIT" icon and press the FEED button to exit from SETTING MODE and the printer goes back to READY status.



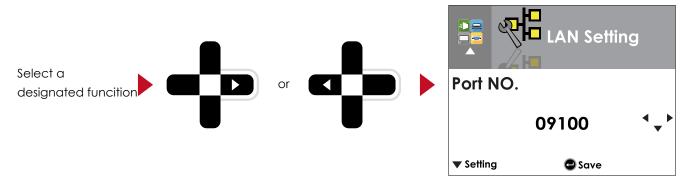
### 3.3 LAN Setting

Operations on Setting Page

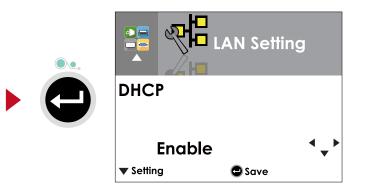
On MAIN PAGE · press • or • button to move the cursor and select the functions. Select a designated function and press FEED button, you will enter the SETTING PAGES for the function.

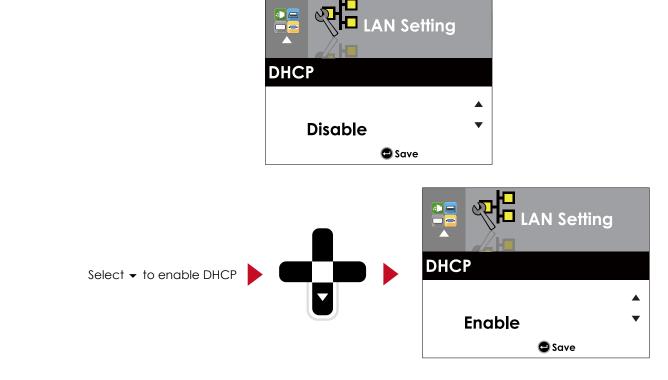


On LAN Setting PAGE · press • or • button to select the setting items.



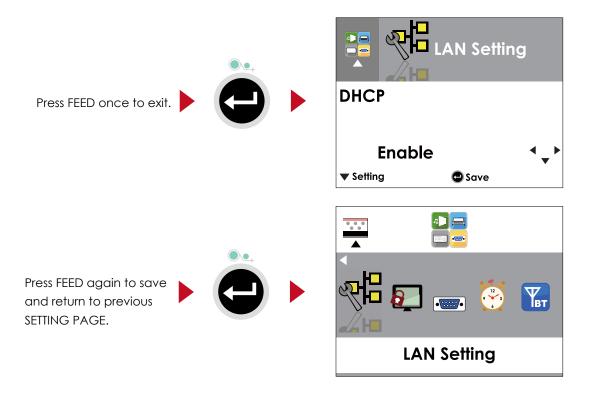
Select DHCP and press FEED button, you will be able to setup DHCP function





The default of DHCP is Disable. → Press ▲ or ◄ button to change the setting values.

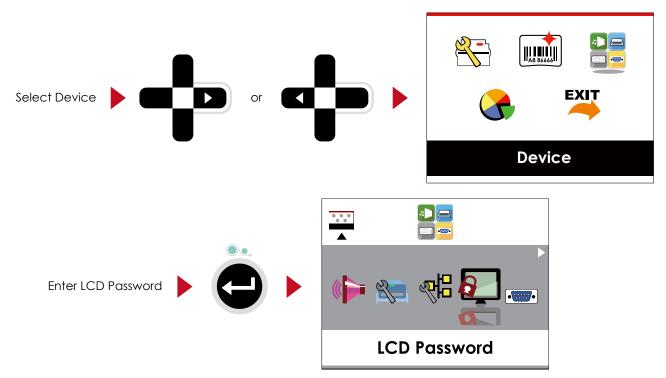
Press FEED button twice to save the setting.



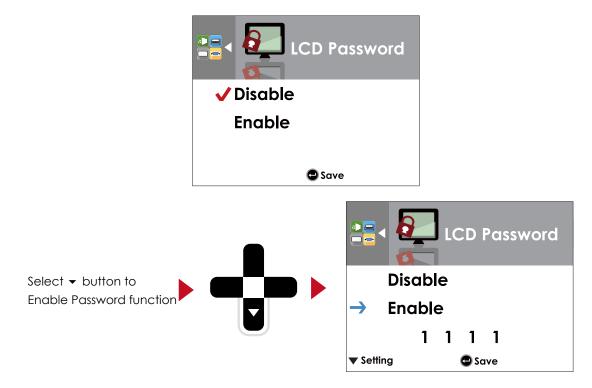
### 3.4 LCD Password

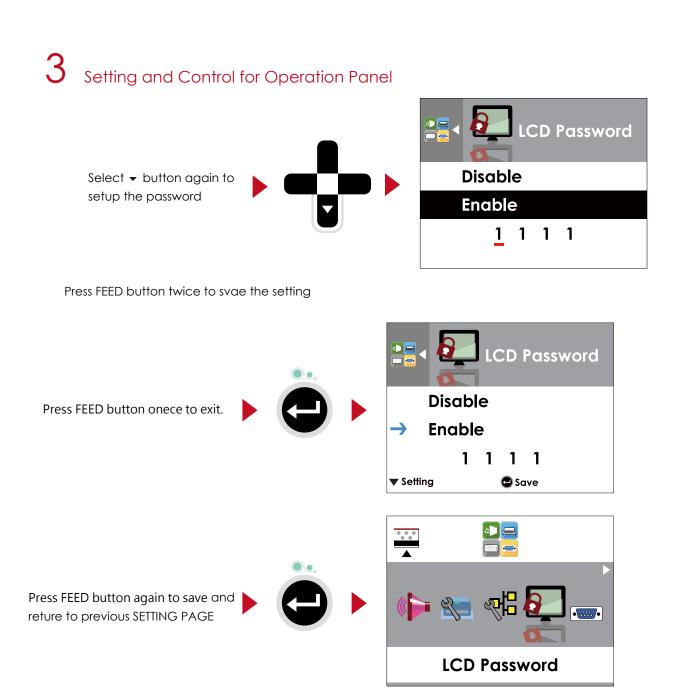
#### Operations on Setting Page

On MAIN PAGE, press > or < button to move the cursor and select the functions. Seclect 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.





#### 3.5 LCD Interface Function

#### Main Page





Setting items for printer, ex. Printing speed, darkness. Also includes a Printing Wizard for your ease of printing.

Option modules and connection port settings.



Setting items for printing label, ex. Rotation, Printing position offset.





Device

Analysis

Self-Diagnose functions for printer, ex. TPH testing, self-test page printing.



Exit from Setting Mode.

Exit

30

#### Setting Items in Setting Mode

<mark>∧}) =</mark> ∽			English		
	LCD Lang		German		
	LCD LUN	Jouge	繁體中文		
			简体中文		
Printer Setting		Speed	2-5 or 7		
		Darkness	0-19		
		Media Type	Label with Gaps		
			Label with Marks		
	Wizard		Continuous		
			Direct Thermal		
		Printer Mode	Thermat Transfer	h Marks bus ermal Transfer  etection Auto Select etection Reflective Label with Gaps Label with Marks Continuous ermal Transfer	
		Tear-off Position	0-40		
		Darkness	0-19		
		Speed	2-5 or 7		
		<u>эрееч</u>	23617	Auto Soloct	
			Media Detection See-Throug		
		Sensor			
			Madia Turaa		
			Media Type		
				Continuous	
		Printing Mode	Direct Thermal		
			Thermat Transfer		
		Tear-off Position	0-40		
		Top of Form	Apply		
			Cancel		
			850		
			852		
			437		
	Setting		860		
		863			
				865	
			857		
			861		
				862	
				855	
		Codepage	866		
		<u>737</u> 851			
			851		
			869		
			Win 1252		
			Win 1250		
			Win 1251		
			Win 1253		
			Win 1254		
			Win 1255		
			Win 1257		



Label Setting

	0°	
Rotation	90°	
ROTATION	180°	
	270°	
Horizental Offset	-100 - 100	
Vertical Offset	-100 - 100	
Start Offset	-100 - 100	
Recall Label	001 Form Name	
Kecali Label	002 Form Name	



Device

Buzzer		Apply		
		Cancel		
		None		
	Option	Cutter		
Optional Setting		Label Dispensor		
Oplional sening		Applicator		
	Pre-Printing	Apply		
		Cancel		
	Part NO.	09100		
	DHCP	Disable		
LAN Setting		Enable		
5	Default Gateway	192.168.000.254		
	Dynamic IP	192.168.102.076		
	Subnet Mask	255.255.255.000		
		Disable		
LCD Password		Enable		
		4800 bps		
	Baud Rate	9600 bps		
		19200 bps		
		38400 bps		
		57600 bps		
		115200 bps		
Serial Port Setting	Parity	Non		
		Odd		
		Even		
	Data bits	7 bits		
		8 bits		
	Stop bits	1 bits		
		2 bits		
	Clock Display	Apply		
RTC Setting		Cancel		
	RTC Setting	YYYY/MM/DD		
		HH:MM:SS		



Calibration		Apply
Culbrallon		Cancel
Self-test		Apply
5011031		Cancel
TPH Testing		Apply
in in realing		Cancel
Reset to Default		Apply
		Cancel
	Label Format	Apply
		Cancel
	Graphic	Apply
		Cancel
	Bitmap Fonts	Apply
Clear Memory		Cancel
Clear Memory	True Type Fonts	Apply
		Cancel
	Asian Fonts ALL	Apply
		Cancel
		Apply
		Cancel



Exit

#### Status of LCD Interface

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.



#### Icon Definition

$\triangleleft$	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** Setting and Control for Operation Panel

## 3.6 Label Calibration and Self Test

#### Label Calibration

The printer can automatically detect and store label height. That means the host computer does not need to transmit the label height to the printer.

#### Self Test

Self-test function lets you check whether the printer is functioning normally. Here is how you run the label size calibration and self test.

- 1. Check that the label stock is loaded correctly.
- 2. Turn off the printer.
- 3. Turn the printer on again, keeping the FEED button pressed. The printer will now measure the label stock and store the label height.
- 4. Once the printer has successfully measured the label stock, it will print a self-test label.

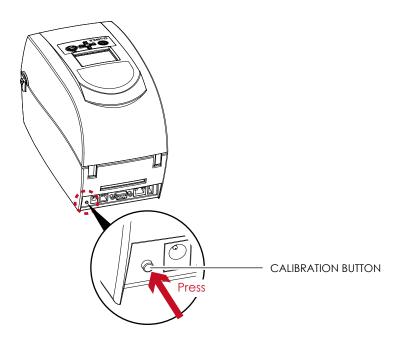
The contents of a self-test printout are listed below.

Model & Version	RT200i:GX.XXX
USB ID setting	USB S/N:12345678
Serial port setting ———	Serial port:96,N,8,1
MAC address of Ethernet port	MAC Addr:xx-xx-xx-xx-xx
IP protocol setting ———	DHCP Enable
IP address of Ethernet port	IP xxx.xxx.xxx
Gateway setting ———	Gateway xxx.xxx.xxx
Netmask setting ———	Sub-Mask xxx.xxx.xxx
	#######################################
Number of DRAM installed	1 DRAM installed
Image buffer size	Image buffer size:1500 KB
Number of forms	0000 FORM(S) IN MEMORY
Number of graphics	0000 GRAPHIC(S) IN MEMORY
Number of fonts	000 FONT(S) IN MEMORY
Number of Asian fonts	000 ASIAN FONT(S) IN MEMORY
Number of Databases	000 DATABASE(S) IN MEMORY
Number of Scalable fonts	000 TTF(S) IN MEMORY
Free memory size	4073 KB FREE MEMORY
Speed, Density, Ref. Point, Print direction	^S4 ^H8 ^R000 ~R200
Label width, Form length, Stop position	AW102 AQ100,3 AE18
Cutter, Label Dispenser, Mode	Option:^D0 ^O0 ^AD
Sensor Setting	Reflective AD:1.96 2.84 2.49[0.88_23]
Code Page	Code Page:850
, i i i i i i i i i i i i i i i i i i i	

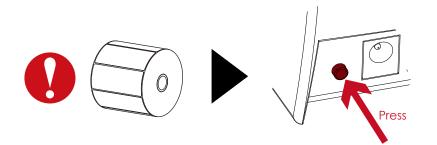
## **3** Setting and Control for Operation Panel

#### Label Calibration Button

A hardware button to make a Label Calibration while printer encountering ''Media Error'' during the cases when first-time printer start up or change label or ribbon to another type, such as change using gap label to continuous or black mark labels.



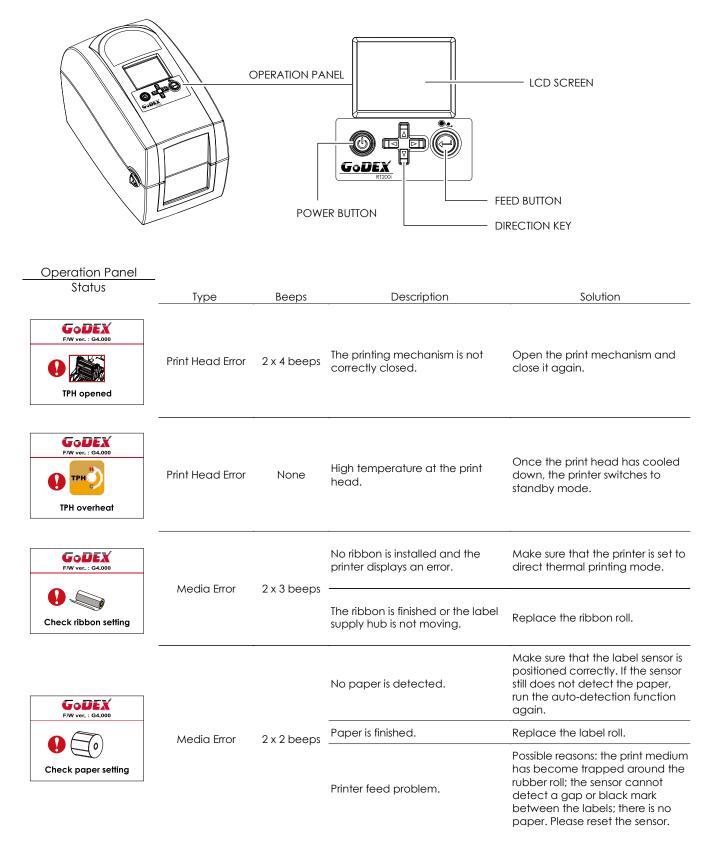
Press C-button for 2 seconds, it will make an auto-sensing to calibrate the label and ribbon's parameters.



<sup>\*</sup> Press C-button is equivalent to the auto-sensing command ''~S,SENSOR'' that will cancel on-printing-job and make the Label Calibration immediately.

## 3.7 Error Alerts

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.



# **3** Setting and Control for Operation Panel

Operation Panel Status	Туре	Beeps	Description	Solution
F/W ver. : G4.000			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	File Error	2 x 2 beeps	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.
F/W ver. : 64.000			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** Printer Setting and Control

## 3.8 USB Host

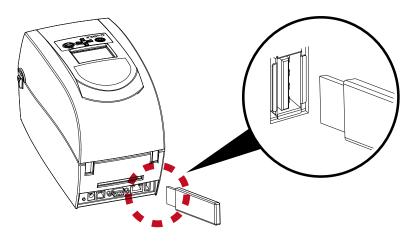
Definition : USB Host port supports either device : USB memory stick, keyboard or scanner.

#### 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

- 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.

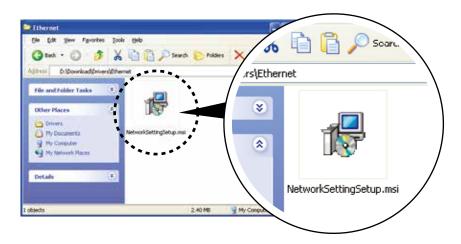
- \* The USB Host port on ''i'' ''x'' model printer is without ''HUB'' function.
- \* The USB Memory Stick supports with ''FAT32''Disk Format and up to 32GB only. The certified venders are Transcend, Apacer, Patriot, Consair and Kingston.
- \* The download function for Graphic, Font, Label Format, DBF and Command files is operated by GoLabel of PC and must go through the a ''i'' ''x'' model printer itself.
- \* On a PC, user may copy entire folder''\LABELDIR'' from USB memory stick to PC or vice-versa. Copy a sub-folder or individual file in ''\LABELDIR'' to PC or vice-versa is not supported.



## 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. Insert the product CD in the CD/DVD drive of the host computer and open the "Ethernet" folder on the CD.
- 2. Select the icon for the NetSetting installation file and click it to start the installation.



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

🚱 NetSetting	
Select Installation Folder	NetSetting
The installer will install NetSetting to the following folder.	
To install in this folder, click "Nest". To install to a different folder, enter it be	low or click "Browse".
Eokler: [C-\Program File+Godex(NetSetting)	Browse Disk.Cost
Install NetSetting for yourself, or for anyone who uses this computer:	
⊙ Just <u>m</u> e	
Cancel < <u>R</u> ack	Next >

- 5. Click "Next" to start the installation.
- 6. 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.

	👱 🕸 👔	5	
ase Select The Printer You V	/ant To Connect		5
las Nome	Senal No.	Mac Address	PAddres
Preter	and the second		and a start of
Godex	030003	00-1D-9A-03-0E-8F	192 108 101 151
LeoGrang		48-58-39-72-76-05	192 108 101 33
iscellaneous information			
BODT :1 80041 F/W RT2001 8004 Jul 25 2011 PCB : 246003	39.12.46		

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.

	Harpope -		
/ <b>B</b> / L 🛓	<u>2</u> % 1	¢ 9	
Inev	Preter Name Port No: jaze	Langth(1-16)	
	Naces Input Password (Digit Allowed Only) OK	Lingt(1-1)	
-	P Address:	9 3	
	54	Tatlet	

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.

<sup>\*</sup> 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.

		Language -		
	<b>%</b>	9		
Printer Name:	Godex		Length(1~16)	
Port No:	9100 🗘	X		
Password:			Length(1~4)	
Get IP From	DHCP Server			
Static IP	192 168 101 151	x		
Subnet Mask.	255 : 255 : 255 : 0	X.		
		_		
Set		ReGet		

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

<sup>\*</sup> 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.

IP	٢	<u></u>	%P		9			
SMTP	Notificatio	n Enable						
		Login Accoun	e fault				Length(1~64)	
	Login Password:						Length(1~16)	
	Ser	ver IP Address	0.1.6	6.97		x	XXX.XXX.XXX	
		Mail Subjec	rcode prin	nter messa	24		Length(1~60)	
	Mail	From Address	fault@def	fault.com			Length(1-32)	
	M	ail To Address	i, fault Adel	fault com			Length(1~32)	
	3	Duration Cycle	e 0	\$	0 ~ 168	Hours		
	1	Event Counter	1	\$	1 ~ 100			
SNM	P Notificati	on Enable						
	SNN	IP Community	. 0000		200000	Length	(1~16)	
	SNMP Tr	ap Community	c Mie			Length	(1~16)	
	т	rap IP Address	0.1	. 255 . 0	X	XXXX.XXXX	XXXXXXXX	

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.

	Language -			
	۵⁄ ۱	<mark>9</mark> %>	<u>\$</u>	
	SMTP	SNMP	Description	
	121	[X]	Paper Out	
	2	12	Missing Gap	
	2	2	Ribbon Out	
	<b>X</b>	2	Door Open	
	$\overline{\mathbb{M}}$	1	Rewinder Full	
	2	2	Memory Full	
	$[\mathbf{Z}]$	2	Name Not Found	
	[2]	2	Name Duplicate	
	12	2	Syntax Unknown	
	2	2	Cutter Jam	
	Set		ReGet	

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.

					VetSetting r Configuration				Languag	•
-	IP	1		× *		9	]			
Printer Set	up									
Ponter Me	odel Re	solution	Speed	Darkness	Stnpper/Ap	oplicato	Labels p	er Cut	Printing Mod	e
RT200i	- 20	)3 •	4 -	10 -	0 (None)		0	0	Thermal Transf	
	960	-			LCD Language	- 2	Sensing Mo	•		
	Non	Parity		Key	board Languag		Smart Back	feed •		
		Data Bits			Code Page		Top Of Fo			
	8			Co	de Page 850	- 0	N			
	1993	Stop Bits			Buzzer					
	1		1	ON		•				
			Set			F	ReGet			
		-								

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.

NetSetting User Command	Language •
Input Command	
Output Message	
17	

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.

	u 🖉 🖉	*P 😰 🍤		
T		Firmware Upgrade		
	Firmware Current Version:	BOOT : 1.000a1 F/W : RT200i 1.000a		1
	Please Select Firmware File:	[]	Browse	
	-	Start Download Firmware		
				2
	Recover To Factory Settings			

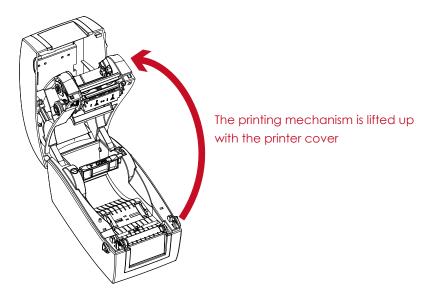
In addition to the firmware update, you can press "Recover To Factory Settings" button to restore the printer configurations back to factory default.



## 5.1 Preparation Steps

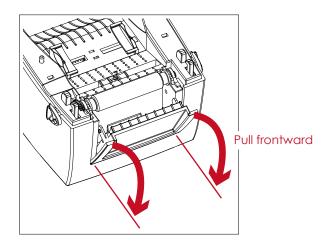
Before installing the optional modules, please make some preparations as follows.

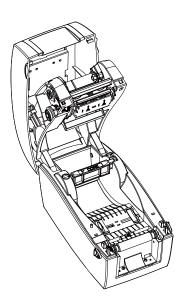
- 1. Turn off the printer
- Remember to switch off the printer before installing any module.
- Open the printer cover and the printing mechanism
   Open the printer cover by pulling the release catches on both sides of the printer and lift the cover.
   Please see the Section 2.1 for further information about Open The Printer.



3. Remove the front cover

Please pull frontward to remove the front cover.

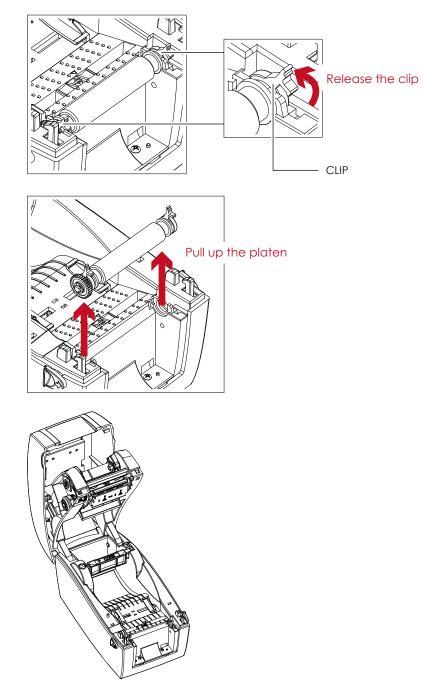






4. Remove the platen

Lift up the release clips on both sides of the platen to release and pull upward the platen.



5. Ribbon loading

Please see the Section 2.2 for further information about Loading The Ribbon.

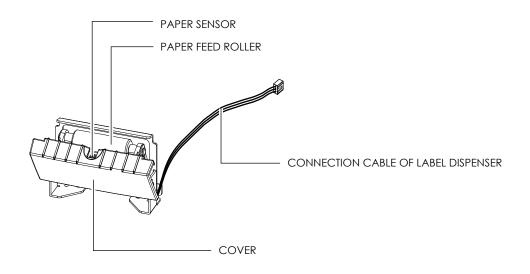
6. Label loading

Please see the Section 2.3 for further information about Loading The Label Roll Module.



## 5.2 Installing the Label Dispenser

#### The Overview of the Label Dispenser

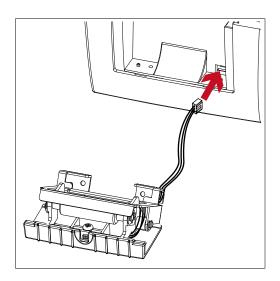


#### **Preparation Steps**

Please see the Section 5.1 Preparation Steps to complete the preparation steps before installing the label dispenser.

#### Installing the Label Dispenser

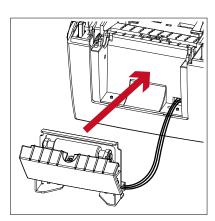
1. Pass the connection cable through the slot of the printer.

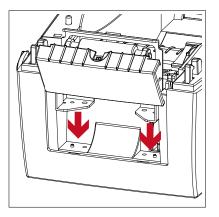


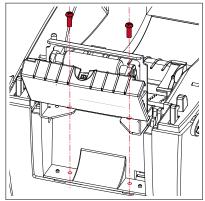
- \* A label liner thickness of 0.006 mm  $\pm$  10% and a weight of 65 g/m<sup>2</sup>  $\pm$  6% are recommended.
- \*\* The label dispenser will take labels up to a max. width of 60 mm.
- \*\*\* When using the label dispenser, set the stop position (printer command ^E) to 13.



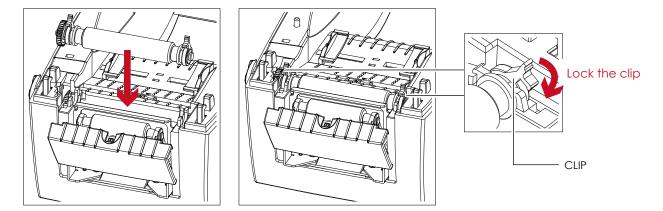
2. Place label dispenser to align both holes of screw and then tighten the screws.



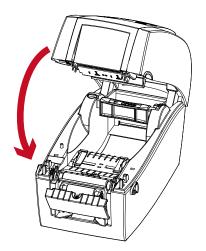




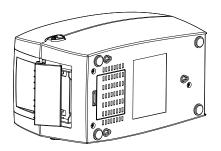
3. Place the platen back to the printer and lock the clips.



4. Close the top cover and printing mechanism.

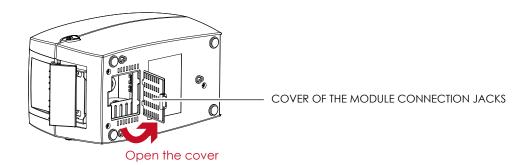


5. Turn the printer upside down.

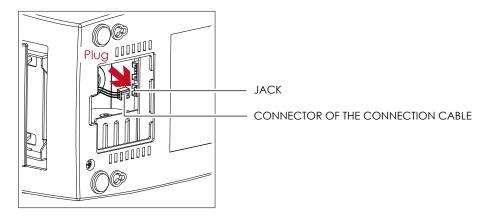




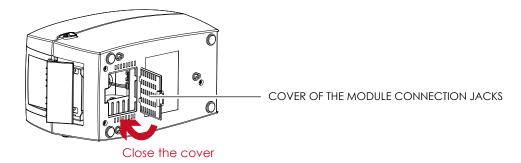
6. Open the cover on the bottom of printer.



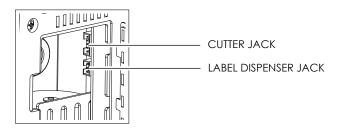
7. Plug the connector fo the label dispenser to the jack.



8. Close the cover of the module connection jacks.



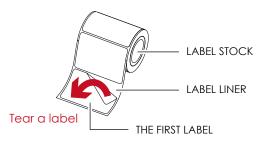
- \* The printer must be switched off when plugging the connector, or the motherboard may be destroyed!
- \*\* There are 2 jacks : the lower jack for the label dispenser, the upper jack for the cutter.



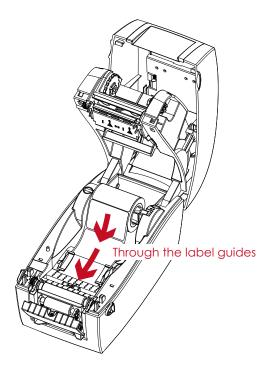


#### Loading Label Roll with the Label Dispenser Module

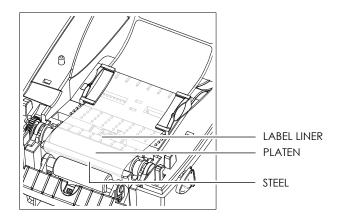
1. Remove the first label from the label stock.



2. Feed the Label stock through the label guides.



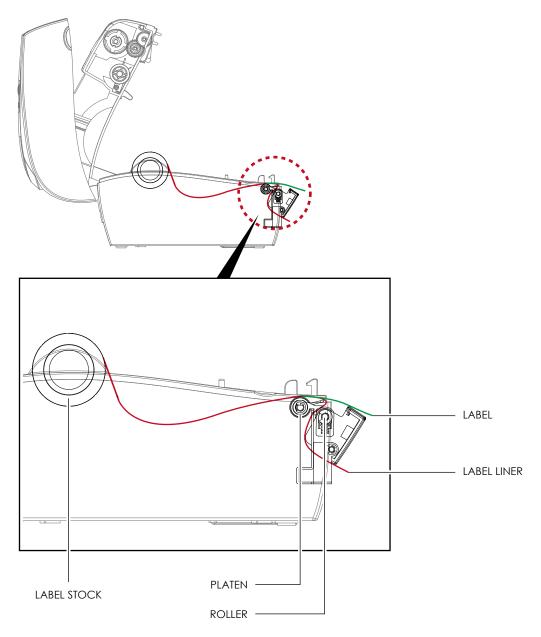
3. Pull the label liner through the platen and the steel of the label dispenser.



<sup>\*</sup> Labels should be at least 25 mm high.



4. The feeding path of label and liner should be as shown in below graphic.

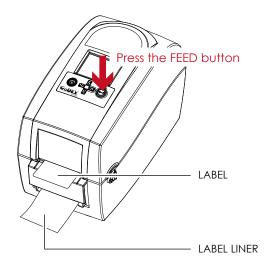


5. Close the label dispenser and printer cover. The installation is completed now.



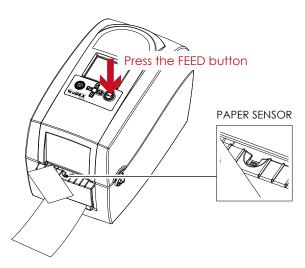


6. Press the FEED button to feed the label. The label will be peeled from the liner while it passes through the label dispenser.



## Notice

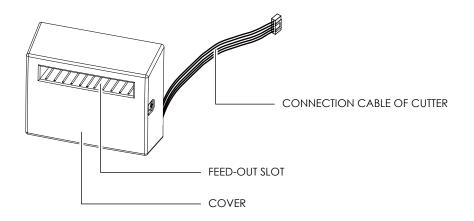
\* There is a paper sensor on the Label Dispenser module. It will stop the printing if it is covered by label. Remove the last printed label and the printer will then continue to print next label.





## 5.3 Installing the Cutter

#### The Overview of the Cutter

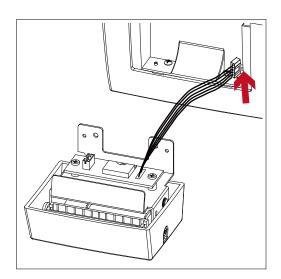


#### **Preparation Steps**

Please see the Section 5.1 Preparation Steps to complete the preparation steps before installing the cutter.

#### Installing the Cutter

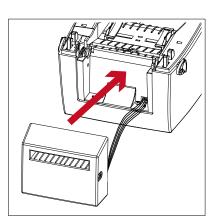
1. Pass the connection cable through the slot of the printer.

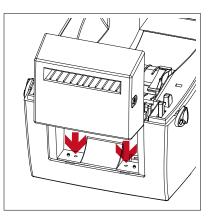


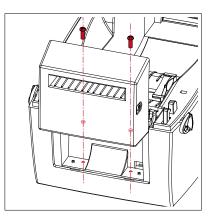
- \* Remember to switch off the printer before installing the cutter.
- \*\* Do not use to cut adhesive labels! Glue residue will be left on the cutter blade and impair its functioning. The cutter has a blade life of 1000,000 cuts when using paper weighing 120g/m<sup>2</sup>, and of 500,000 cuts when using paper weighing 120g/m<sup>2</sup> 170g/m<sup>2</sup>.
- \*\*\* You can cut paper with a max. width of 60mm.
- \*\*\*\*With the cutter installed, set the stop position in Qlabel to 30, and the E value to 30.



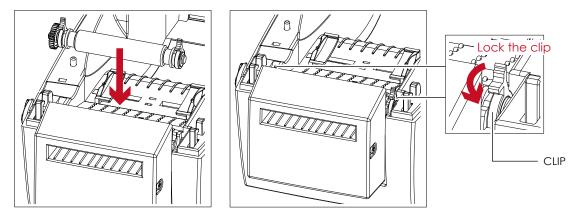
2. Place the cutter to align both holes of screw and then tighten the screws.



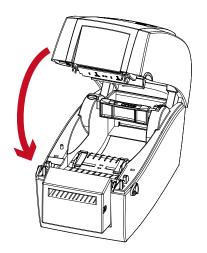




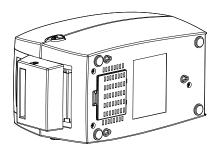
3. Place the platen back to the printer and lock the clips.



4. Close the top cover and printing mechanism.

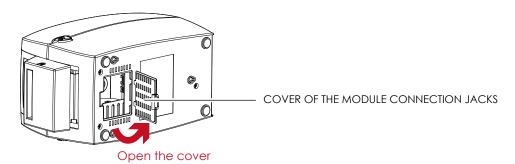


5. Turn the printer upside down.

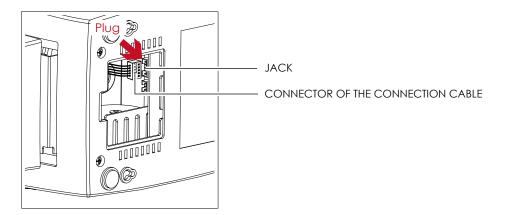




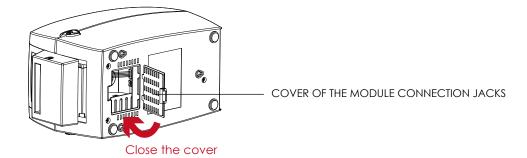
6. Open the cover on the bottom of printer.



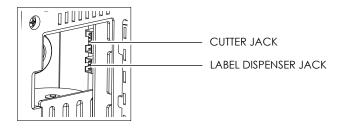
7. Plug the connector for the cutter to the jack.



8. Close the cover of the module connection jacks.



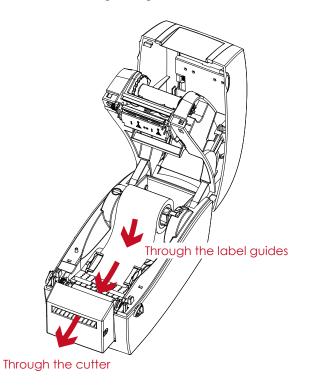
- \* The printer must be switched off, or the motherboard may be destroyed!
- \*\* There are 2 jacks : the lower jack for the label dispenser, the upper jack for the cutter.



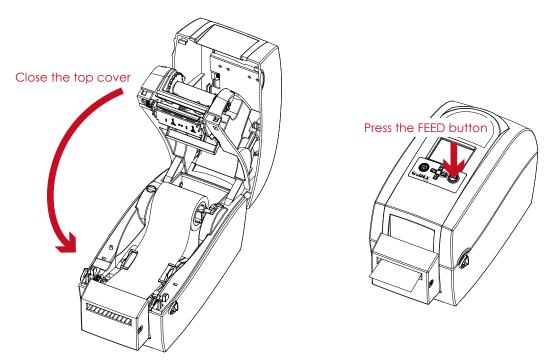


#### Installing the Label Roll Module on the Printer

1. Pass the labels through the guides and the cutter.



2. Close the top cover and printing mechanism. To finish, press the FEED button to set the label position.



- \* We advise against using inside wound label stock.
- \*\* Labels should be at least 30 mm high. When using the printer with the cutter, you should set the stop position (^E) to 30.

## 6 Maintenance and Adjustment

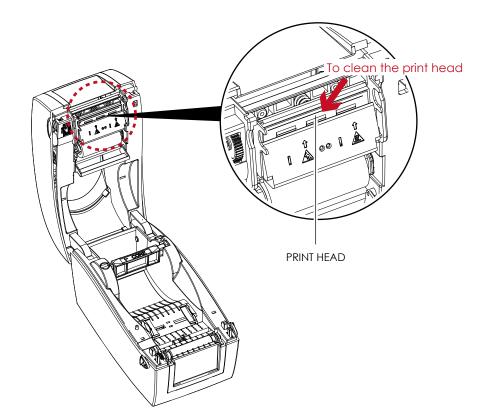
## 6.1 Cleaning the Print Head

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.



<sup>\*</sup> The print head should be cleaned once a week.

<sup>\*\*</sup> Please make sure that there are no metal fragments or other hard particles on the soft cloth used to clean the print head.

6 Maintenance and Adjustment

## 6.2 Troubleshooting

Problem	Solution		
The printer is switched on but the LCD screen does not light up.	Check the power supply.     Please see the Section 2.4		
The LCD screen show the notice icon and printing is interrupted.	<ul> <li>Check the software settings (driver settings) or command codes.</li> <li>Look for the error alert in the table in Section 3.5. Error Alerts.</li> <li>Check whether the print mechanism is closed correctly. Please see the Section 3.5</li> </ul>		
The label stock passes through the printer but no image is printed.	<ul> <li>Please make sure that the label stock is loaded the right way up and that it is suitable material.</li> <li>Choose the correct printer driver.</li> <li>Choose the correct label stock and a suitable printing mode.</li> </ul>		
The label stock jams during printing.	<ul> <li>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.</li> <li>Please see the Section 6.1</li> </ul>		
There is no printed image on some parts of the label.	<ul> <li>Check whether any label material or ribbon is stuck to the thermal print head.</li> <li>Check for errors in the application software.</li> <li>Check whether the starting position has been set incorrectly.</li> <li>Check the ribbon for wrinkles.</li> </ul>		
There is no printed image on part of the label or the image is blurred.	<ul> <li>Check the thermal print head for dust or other dirt.</li> <li>Use the internal "~T" command to check whether the thermal print head will carry out a complete print job.</li> <li>Check the quality of the print medium.</li> </ul>		
The printed image is positioned incorrectly.	<ul> <li>Check whether there is paper or dust covering the sensor.</li> <li>Check whether the label stock is suitable. Contact your supplier.</li> <li>Check the paper guide settings.</li> </ul>		
A label is missed out during printing.	<ul> <li>Check the label height setting.</li> <li>Check whether there is dust covering the sensor.</li> <li>Run the auto-detection function. Please see the Section 3.4</li> </ul>		
The printed image is blurred.	<ul> <li>Check the darkness setting.</li> <li>Check the thermal print head for dust or dirt. Please see the Section 6.1</li> </ul>		
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.	<ul> <li>Check whether the cutter has been correctly installed.</li> <li>Check whether the paper guides are functioning correctly.</li> </ul>		
The label dispenser is not functioning normally.	<ul> <li>Check whether there is dust on the label dispenser.</li> <li>Check whether the label stock is positioned correctly.</li> </ul>		

## Notice

\* If any problems occur that are not described here, please contact your dealer.

RT200i/RT230i USER MANUAL



### **PRODUCT SPENIFICATIONS**

Mc	odel	RT200i	RT230i		
Print N	Nethod	Thermal Transfer / Direct Thermal			
Reso	lution	203 dpi (8 dots/mm)	300 dpi (12 dots/mm)		
Print S	Speed	7 IPS (177 mm/s)	5 IPS (127 mm/s)		
Print	Width	2.12" (54 mm) 2.24" (56.9 mm)			
Print L	.ength	Min. 0.16" (4 mm)** ; Max. 68" (1727 mm)	Min. 0.16" (4 mm)** ; Max. 30" (762 mm)		
Proc	essor	32 Bit RISC CPU			
Maman	Flash	8MB Flash (4MB for user storage)			
Memory	SDRAM	16MB SDRAM	16MB SDRAM		
Senso	or Type	Adjustable reflective sensor (full range). Fixe	ed transmissive sensor, central aligned		
		Continuous form, gap labels, black mark se	ensing, and punched hole; label length set b		
	Types	auto sensing or programming			
	Width	0.6" (15 mm) Min. – 2.36" (60 mm) Max.			
Media	Thickness	0.003" (0.06 mm) Min 0.008" (0.2 mm) Ma	х.		
	Label roll diameter	Max. 5" (127 mm)			
	Core diameter	1", 1.5" (25.4 mm, 38.1 mm)			
	Types	Wax, wax/resin, resin			
	Ribbon roll diameter	1.5" (38 mm) Max.			
Ribbon	Core diameter	0.5" (12.7 mm)			
	Length	360' (110 m)			
	Width				
	-	2.20" (56mm) – 2.32" (59mm)			
Printer Lo	anguage	EZPL, GEPL, GZPL, GDPL auto switch			
Label design software Software Driver		GoLabel (for EZPL only)			
		Vista, Windows 7, Windows 8 & 8.1, Windows 10, Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, MAC, Linux			
	SDK	Win CE, .NET, Windows Vista, Windows 7, W	indows 8 & 8.1, Windows 10, Android, Mac, i		
		6, 8, 10, 12, 14, 18, 24, 30, 16X26 and OCR A & B			
<b>__</b> .	Bitmap fonts	Bitmap fonts 90°, 180°, 270° rotatable, single characters 90°, 180°, 270° rotatable			
Resident Fonts		Bitmap fonts 8 times expandable in horizontal and vertical directions			
	Scalable fonts	90°, 180°, 270° rotatable			
	Bitmap fonts	Bitmap fonts 90°, 180°, 270° rotatable, single	e characters 90°, 180°, 270° rotatable		
Download Fords		Asian fonts 90°, 180°, 270° rotatable and 8 t	imes expandable in horizontal and vertical		
Download Fonts	Asian fonts	directions	,		
	Scalable fonts	Scalable fonts 90°, 180°, 270° rotatable			
Barcodes	1-D Bar codes	China Postal Code, Codabar, Code 11, Code 32,Code 39, Code 93, Code 128 (sub: 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 w Shipping Bearer Bars, ISBT-128, ITF 14, Japanese Postnet, Logmars, MSI, Postnet, Plesse Planet 11 & 13 digit, RPS 128, Standard 2 of 5, Telepen, Matrix 2 of 5, UPC-A/UPC-E (w 2 or 5 digit extension), UCC/EAN-128 K-Mart and Random Weight			
	2-D Bar codes	Aztec code, Code 49,Codablock F , Datar QR code, PDF417,QR code, TLC 39, GS1 Cc	matrix code, MaxiCode, Micro PDF417, Micro omposite		
		CODEPAGE 437, 850, 851, 852, 855, 857, 860	), 861, 862, 863, 865, 866, 869, 737		
Code	Pages	WINDOWS 1250, 1251, 1252, 1253, 1254, 1255, 1257			
		Unicode (UTF8, UTF16)			
Grau		Resident graphic file types are BMP and PC	CX, other graphic formats are downloadable		
Graphics		from the software			

RT200i/RT230i USER MANUAL



#### **PRODUCT SPENIFICATIONS**

	Model		200i	RT230i		
Int	erfaces	USB Device (B-Type)USB Device (B-Type)Serial port: RS-232 (DB-9)USB Device (B-Type)USB Host (A-Type)Serial port: RS-232 (DB-9)USB Host (A-Type)Serial port: RS-232 (DB-9)IEEE 802.3 10/100Base-TxUSB Host (A-Type)Ethernet port (RJ-45)Ethernet port (RJ-45)			Serial port:RS-232 (DB-9)	
с	Control Panel	Color TFT LCD with navigation button Calibration button Power on/off button				
Real T	ïme Clock	Standard				
F	ower	Auto Switching 100-240VAC, 50-60Hz				
		41°F to 104°F (5°C to 40°C)				
Environment	Storage temperature	-4°F to 122°F (-20°C to 50°C)				
Operation		30-85%, non-condensing.				
HUMIAITY	Humidity Storage		10-90%, non-condensing.			
Agenc	y Approvals	CE(EMC), FCC Class A	A, CB, CCC, cUL			
	Length	9.7" (245 mm)				
Dimension	Height	6.9" (175 mm)				
	Width	5.3" (136mm)				
v	Veight	4.4 lbs (2.0Kg), excludi	ing consumables			
Options Guillotine Cutter Label Dispenser External label roll holder for 10" (250 mm) O.D. label rolls External label rewinder						

#### Notice

\* Specifications are subject to change without notice. All company and/or product names are trademarks and/or 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.



### 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	o 9-pin)		
DB9 Socket			DB9 Plug
-	1	1	+5V, max 500mA
RXD	2	2	TXD
TXD	3	3	RXD
DTR	4	4	N/C
GND	5	5	GND
DSR	6	6	RTS
RTS	7	7	CTS
CTS	8	8	RTS
RI	9	9	N/C
Computer			Printer

<sup>\*</sup> The total current to the serial port may not exceed 500mA.

## 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
Description	Copy file from USB memory stick to Flash memory, or vise-versa
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.
Example	~MCPY,F:*.F,D:*.F
	(Copy entire "Label Format" files from Flash memory to USB memory
	stick)
	~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		
Description	Move files from USB memory stick to Flash memory or vise-versa		
Parameter	s = source device of stored object;		
	<ul> <li>"D" for USB memory stick; "F" for internal Flash memory</li> </ul>		
	d = destination device of stored object		
	<ul> <li>"D" for USB memory stick; "F" for internal Flash memory</li> </ul>		
	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.		
Example	~MMOV,F:*.F,D:*.F		
	(Move entire "Label Format" files from Flash memory to USB memory		
	stick)		
	~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)		