

# EZ2050 / EZ2150 BARCODE PRINTER USER MANUAL



 USER MANUAL
 : EZ2050 / EZ2150

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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 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, EN61000-3-2:2014 EN61000-3-3:2013 and EN55024:2010. The equipment also tested and passed in accordance with the European Standard EN55032 for the both Radiated and Conducted emissions limits.

# EZ2050 SERIES TO WHICH THIS DECLARATION RELATES IS IN CONFORMITY WITH THE FOLLOWING STANDARDS

EN55032:2012/AC:2013 Class A, EN61000-3-2:2014 EN61000-3-3:2013 and EN55024:2010 / CFR 47, Part 15 Subpart B / 47 CFR FCC Rules and Regulations Part 15 Subpart B, Class A) / GB4943.1-2011 GB9254-2008(ClassA),GB17625.1-2012/EN60950-1:2006+A11:2009+1:2010+A12:2011+A2:2013 IEC 62368-1:2014

#### 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。

警告使用者:這是甲類的資訊產品,在居住的環境中使用時,可能會造成射頻干擾,在這種情況下, 使用者會被要求採取某些適當的對策.

# 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, pleasecheck the voltage of the power source.
- 3. Make sure the printer is off before plugging the power connectorinto the power jack.
- 4. It is recommended that you connect the printer to a surgeprotector to prevent possible transient overvoltage damage.
- 5. Be careful not to get liquid on the equipment to avoid electricalshock.
- 6. For safety and warranty reasons, ONLY qualified service personnelshould open the equipment.
- 7. Do not repair or adjust energized equipment under anycircumstances.

Caution

\* Dispose of used batteries according to the manufacturer's instructions.

Specifications are subject to change without notice.

<sup>\*</sup> Danger of explosion if battery is incorrectly replaced. Replace only with the equivalent type recommended by the manufacturer.

<sup>\*</sup> Only use with designated power supply adapter model.

<sup>\*</sup> Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# 1. Barcode Printer

# 1.1 Box Content

Please check that all of the following items are included with your printer. \*Package content and Logo style may vary per region.

EZ2050/EZ2150 Barcode Printer



Label Stock

USB Cable





Ribbon Module Empty Ribbon Core



Ribbon





EZ2050 Series Quick Guide



# 1.2 Getting to Know Your Printer

External view

Г



	1	Operator panel	
	2	Lower cover plate	
ſ	3	Viewing window	
ſ	4	Printer cover	
- 2			



1	Feed slot for continuous labels
2	Auto-Calibration button
3	Parallel port (optional)
4	Applicator interface (optional)
5	Ethernet port
6	USB port
7	Serial port (DB-9)
8	On/Off switch
9	Power jack
10	Feed slot for continuous labels

#### Internal view



1	Ribbon rewind hub
2	Ribbon supply hub
3	Print mechanism
4	Platen roller
5	Tear-off plate
6	Release lever for print head
7	Adjustment wheel for sensor
8	Paper guide
9	Label tension guide
10	Label supply hub
11	Label roll guide
12	Release catch



# 2. Printer Setup

# 2.1 Loading the label roll

This printer supports the following printing methods:

Thermal transfer printing (TTP) : Requires a ribbon for transferring a printed image to a medium. Direct thermal printing (DTP) : Does not require a ribbon, only thermal paper.

Please check which printing method you are using and alter the settings accordingly in the printer driver, printer menu, and/or software.



<ul> <li>5. Place the label roll on the label supply hub, pushing it right up to the printer housing.</li> <li>(Do not apply too much pressure to avoid damaging the label stock.)</li> <li>6. Fold the label roll guide back down and push it against the label roll.</li> <li>[Note]</li> <li>When moving the label roll guide, hold it only by the end that is attached to the bracket, not by its top.</li> </ul>	
7. Load the label roll into the printer as shown in the	
illustration. Pass it through	Conclet Hyperson
the blue arrows.	
8. Pass the label stock through the sensor and up to the tear-off plate.	
【 Note 】	
Remember to set the movable sensor to gap, black mark, or tag hole by changing the position of the sensor with the adjustment wheel.	

9. The labels pass between the wall of the printer housing and the adjustable paper guide.

# [Note]

Pass the labels through the printer as shown in the illustration.

- 10. Return the print head release lever to its original position.
- 11. Then close the printer cover.



# 2.2 Loading the Ribbon



# 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.



# 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".



3. Specify your printer model.

eagull Dri	iver Wizard						
Specify I The r	Printer Model nanufacturer and r	model determine	which printer	r driver to	) use.		Ì
Specify th	te model of your pr	inter.					
Printer	Model						
Godex E	Z2050						
Source:	C:\Seagull						
Version:						Bro	owse
				al.	March 5		Canad
			< <u>B</u> a		Mext >		Cancel

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

Se	agull Driver Wiza	rd 🛛 🗙
	Specify Port A port is used to	connect a printer to the computer.
	Specify the port that not listed below, crea	you are using. If you are connecting using TCP/IP or another port type te a new port.
	Port	Туре
	COM1: FILE:	Serial Port (9600:8N1) Local Port
	USB001	Virtual printer port for USB
USB002 Virtual printer ( IP_192.168.1.7 Standard TCP/		Virtual printer port for USB Standard TCP/IP Port (192.168.1.7:LPR)
		Create Port Configure Port
		< Back Next > Cancel

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

Seagull Driver W	izard 🛛 🗙
Specify Printer Names are u:	Name sed to identify the printer on this computer and on the network.
Enter a name for Printer name:	this printer. Godex E22050 r as the <u>d</u> efault printer or not you want to share this printer with other network users. When
sharing, you must	: provide a share name.
O <u>S</u> hare name:	Godex EZ2050
	< <u>B</u> ack <u>N</u> ext > Cancel

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.

	mpletinç zard	) the Seagull Driver
A ne	w printer will b	e installed using the following settings:
Na	me:	Godex EZ2050
Sh	are name:	<not shared=""></not>
Po	rt:	USB001
De	fault:	No
Ma	anufacturer:	Godex
Mo	del:	Godex EZ2050
Ve	rsion:	
Tobe	egin the driver	installation process, click Finish.
	Г	< Back Finish Cancel

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



# 3. Printer Setting and Control

# 3.1 Operation Panel

	Function buttons			
	$\land$	FEED		
		PAUSE		
🕘 📋 🛅		CANCEL		
POWER RIBBON MEDIA DENSITY SPEED	LED indicators	;		
		The POWER (Ready) LED lights up when		
	POWER	the printer has started up and is ready to		
		print.		
	RIBBON /	(1) Ribbon status indicator		
FEED    PAUSE CANCEL		(2) Density adjustment indicator in		
	DENSITY	Setting Mode		
- = +		(1) Media status indicator		
	SPEED	(2) Speed adjustment indicator in Setting		
		Mode		

# 3.2 Function buttons – introduction

# ► 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 **(see Section 3-5).** 

# **II** Pause button

Pressing the PAUSE button while the printer is in standby mode will set the printer to pause mode. In this mode, the printer can receive commands, but it can only process them when it is reset to standby mode. Pressing the PAUSE button again will reset the printer to standby mode.

Pressing the PAUSE button during printing will interrupt printing. When the PAUSE button is pressed again, the printer resumes printing. Example: While a 10-label print job is running, you press the PAUSE button to pause the printer. Two of the labels have been printed. To resume printing and print the remaining eight labels, you press the PAUSE button again.

## **Cancel button**

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

You can combine the FEED, PAUSE and CANCEL buttons in a number of ways to perform different printer functions:

Function	Button	Beeps	Description
Self test		3 beeps	Switch on the printer and keep the button pressed until you hear 3 beeps.
Dump mode	▶+ Power On	3 beeps→ 1 beep	After the self test, keep the button pressed until you hear a beep.
Auto- detection	II <sub>+ Power On</sub>	3 beeps	Switch on the printer and keep the <b>H</b> button pressed until you hear 3 beeps.
Factory settings	▶ <sub>+</sub> □ <sub>+</sub> Power On	2 x 2 beeps	Switch on the printer and keep the $\triangleright$ and $\square$ buttons pressed until you hear 2 beeps. This resets the printer to the factory settings.
Download mode	D + Power 1 beep		Switch on the printer and keep the button pressed until you hear a beep. This mode is for download of the firmware only.
Settings mode		3 beeps	Switch on the printer and keep the 🗮 button pressed for about 3-4 seconds, until you hear 3 beeps.

# 3.3 Settings mode

In settings mode, you can change different settings, such as the printing mode or media type.

- 1. Switch on the printer and make sure that the POWER (Ready) LED lights up.
- 2. Press the PAUSE button and keep it pressed for about 3-4 seconds until you hear 3 beeps.

3. In settings mode, the buttons have the following functions:

- : Minus / Enter E: Menu / Next + : Plus / Exit

Press the button to select the adjustment items; press the --- button or the + button to change the setting values.

4. To exit the settings mode, you need to go back to the beginning of setting mode and decide whether to save the changes you have made or exit without saving.

Once you have saved or discarded your changes, the printer will switch back to standby mode.

Press the button and keep it pressed for about 3-4 seconds until you hear 3 beeps.

🔶 Blinking	g 🛛 🔵 Steady				
	_	+	DENSITY	SPEED	Description
Start / Exit Setting mode	Exit without saving	Save & exit	•	•	DENSITY and SPEED lights steady to indicator the strat or the end of setting mode.
		•			
Darkness	Decrease the setting value	Increase the setting value	•		DENSITY light flashes and then blinks for each pressing. The buzzer will beep when the adjustment reaches the maximum or minimal.
Speed	Decrease the Setting value	Increase the setting value		9	SPEED light flashes and then blinks for each pressing. The buzzer will beep when the adjustment reaches the maximum or minimal.



# 3.4 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. When the LED starts to flash red, release the FEED button. 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 USB ID setting Serial port setting MAC address of Ethernet port IP protocol setting IP address of Ethernet port Gateway setting Netmask setting	<ul> <li>EZ2050:GX.XXX</li> <li>USB S/N:12345678</li> <li>Serial port:96,N,8,1</li> <li>MAC Addr:xx-xx-xx-xx-xx</li> <li>DHCP Enable</li> <li>IP xxx.xxx.xxx</li> <li>Gateway xxx.xxx.xxx</li> <li>Sub-Mask xxx.xxx.xxx</li> <li>####################################</li></ul>
Number of DRAM Installed         Image buffer size         Number of forms         Number of graphics         Number of fonts         Number of Asian fonts         Number of Databases         Number of Scalable fonts         Free memory size         Speed, Density, Ref. Point, Print         direction         Label width, Form length, Stop         position         Cutter, Label Dispenser, Mode         Sensor Setting         Code Page	Image buffer size: 1500 KB 0000 FORM(S) IN MEMORY 0000 GRAPHIC(S) IN MEMORY 000 FONT(S) IN MEMORY 000 ASIAN FONT(S) IN MEMORY 000 DATABASE(S) IN MEMORY 000 TTF(S) IN MEMORY 4073 KB FREE MEMORY 4073 KB FREE MEMORY AS4 AH8 AR000 ~R200 AW102 AQ100,3 AE18 Option: AD0 AO0 AAD Reflective AD: 1.96 2.84 2.49[0.88_23] Code Page: 850

#### 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.



#### Notice

\* Press C-button is equivalent to the auto-sensing command "~S,SENSOR" that will cancel on-printing-job and make the Label

Calibration immediately.

# 3.5 Dump mode

If the label settings do not match the printer output, you can switch the printer to dump mode to check whether an error has occurred during the transfer between printer and host computer. In dump mode, the unprocessed raw data are sent to the printer and printed. This shows you quickly whether any data are sent to the printer at all.

Here is how you switch to dump mode:

- 1. Switch off the printer.
- 2. Switch on the printer and keep the FEED button pressed.
- 3. You will hear 3 beeps first and then one beep later. Release the FEED button after the last beep. The printer will automatically print "Dump Mode Begin". That means the printer is now in dump mode.
- 4. Send commands to the printer and check whether they match the printer output.

To exit dump mode, press the FEED button. The printer will automatically print "Out Of Dump Mode" and switch to standby mode. Alternatively, you can switch off the printer to exit dump mode.

# 3.6 Error alerts

In the event of a problem that prevents normal functioning of the printer, you will see an error message on the display and hear some beep signals. The LED indicators will also light up.

Fast flashing Slow flashing OLight on						
Types	LEC Ribbon	) above the Media	display	Веер	Description	Solution
Print head is open	•		Both LEDs light up	4x2 beeps	The print mechanism is not closed.	Please make sure that the print mechanism is closed correctly.
Entering cooling process			Both flashing	none	The print head is too hot.	Once the print head has cooled down, the printer switches to standby mode.
Out of				3v2 boons	No ribbon is loaded.	Please make sure that the printer is set to thermal direct mode.
ribbon				3x2 beeps	The ribbon is finished or the ribbon roll is not moving.	Replace the ribbon roll.
Out of media		•		1x2 beeps	Unable to detect the paper.	Please make sure that the gap sensor is positioned correctly. If that does not fix the problem, run the auto-detection function again.
					The labels are finished.	Replace the label roll.
					Paper jam.	Check the path of paper feeding.
Memory full				2x2 beeps	The memory is full.	Delete data you no longer need from the memory.
Rewinder full				2x2 beeps	The label or liner on rewinder is full.	Remove the label or liner to continue rewinding.
File name not found	*			2x2 beeps	Unable to find file.	Use the "~X4" command to print all file names and check whether the file exists in the memory.
File name already exists		*		2x2 beeps	The file name Already exists.	Change the name of the file and try storing it again.

# 4 Accessories 4.1 Internal rewinder

1       Rewinder         2       Retention clip         3       Screws (set of 4)         4       Rewinder guide         【 Note 】         Maximum height of the rewound medium: 118 mm         【 Suggestion 】         Medium thickness:       0.06 mm–         0.25 mm	
<ol> <li>Place the printer on a flat surface and open the printer cover.</li> <li>[Note] Remember to switch off the printer before starting the installation.</li> </ol>	
2. Remove the cover for the rewinder module.	



# 4.2 Installing the rewinder guide



# 4.3 Label dispenser





# 4.4 Installing the cutter





# 4-5 Installing the Parallel adapter

1 2	Parallel cable Parallel adapter	
3 4	Connection cable Screws (set of 2)	
1. Ch sw on the	eck whether the printer is itched off. Place the printer a flat surface and open printer cover.	
2. Un ma the har	screw the two screws arked in the illustration on a right and remove the left- and side of the printer using.	
3. Un pai ren	screw the screws on the rallel port cover and nove the cover.	



# 4.6 Installing the Applicator interface





# 5 Maintenance and Adjustment

# 5.1 Installing / removing the print head module



# 5.2 Adjusting the print line



# 5.3 Adjusting the ribbon tension

You can adjust the ribbon tension by turning the ribbon shaft knob (green wheel at the base of the ribbon supply hub - see illustration) clockwise or anticlockwise. There are 4 possible settings, which are marked on the knob of the ribbon rewind hub and the ribbon supply hub. When set to 1, the tension is highest, while the tension is lowest at 4. If the tension is so low that the ribbon does not move forward, you need to reduce the tension of the ribbon supply hub or increase the tension of the ribbon rewind hub. To set the tension, press in the knob and turn it clockwise or anticlockwise as required.

Increasing the tension of the ribbon rewind hub will remove any wrinkling of the ribbon during printing, which results from the use of different ribbon materials. (For details about the wrinkling/creasing of ribbons, see Section 5-6.)

If you are using a very narrow ribbon, the printer may not move the label stock forward (particularly with a ribbon that is less than 2" wide). In that case, reduce the tension by turning the knob of the ribbon supply hub anticlockwise. If the tension is too high, the ribbon core may be crushed and thus impossible to remove. In that case, reduce the tension of the ribbon supply hub and the ribbon rewind hub by turning the knobs anticlockwise.



# 5.4 Cleaning the thermal print head

Dirt on the print head or ribbon may result in inadequate print quality (no printed image on part of the label). The printer cover should therefore be kept closed whenever possible. Keeping dirt and dust away from the paper or labels ensures a good print quality and a longer lifespan of the print head. Here is how you clean the print head:

- 1. Switch off the printer.
- 2. Open the printer cover.
- 3. Remove the ribbon.
- 4. Release the print head by turning the print head release lever.
- 5. To remove any label residue or other dirt from the print head (see blue arrow), please use a soft lintfree cloth dipped in alcohol.

### [Note 1]

The print head should be cleaned once a week. [Note 2] Please make sure that there are no metal fragments or other hard particles on the soft cloth used to clean the print head.



# 5.5 Adjusting the balance and print head tension



# 5.6 Ribbon shield settings

1. The use of different ribbon materials may cause wrinkling of the ribbon, which in turn affects the print result as illustrated by the examples in (a) and (b). To change the print quality, you can adjust the ribbon shield screws.

If your print result looks like the example in (a), you need to turn ribbon shield screw A clockwise. If your print result looks like the example in (b), you need to turn ribbon shield screw B clockwise.



2. To keep track of the change in print quality, you should adjust the screws by half a turn at a time. Print a test page. If there is no improvement in the print result, turn the screw by another half turn. Do not turn the adjustment screw more than two full turns.

# [Note]

If you adjust the screw by more than two full turns, the paper feed may no longer function correctly. In that case, unscrew the ribbon shield screws fully and restart the adjustment process.



# 5.7 Cutter settings

- Socket head screws for adjusting the cutter are located on both sides of the cutter.
- 2. In the event of a paper jam, the cutter will no longer function correctly. Switch off the printer and use a hex key (#M3) to turn the socket head screw.
- 3. Turn the key anticlockwise to remove the jammed paper.
- When you have removed the jammed paper, you can switch the printer back on. The cutter will automatically reset.

#### [Note]

The label medium should be at least 30 mm long to ensure correct functioning of the cutter.



# 5.8 Troubleshooting

Problem	Solution
The printer is switched on but the LED does not light up.	Check the power supply. Please see the Section 2.4
The LED lights up red 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 3.3. Error Alerts.</li> <li>Check whether the print mechanism is closed correctly. Please see the Section 3.3</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 3.2</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.

# **APPENDIX**

#### **PRODUCT SPECIFICATIONS**

M	lodel	EZ2050	EZ2150
Print Method		Thermal Transfer / Direct	
Resolution		203 dpi (8 dots/mm)	300 dpi (12 dots/mm)
Print	t Speed	6 IPS (150 mm/s) 4IPS (102mm/s)	
Prin	t Width	4.09" (104 mm)	
Print	Print Length         Min. 0.16"(4 mm)**; Max. 100"(2540 mm)         Min. 0.16" (4 mm)**; Max 45" (1143 mm)		
Pro	Processor 32 bit RISC CPU		
Me	emory	8MB Flash (4MB for user storage); 16MB SDRAM	
Sens	or Type	Adjustable reflective sensor and transmissive sensor, left aligne	d
	Types	Continuous form, gap labels, black mark sensing and punched h	ole; label length set by auto sensing or programming
	110 1.1	Standard: Min. 1"(25.4 mm) — Max. 4.64"(118 mm)	
	Width	With Cutter: Max. 4.61" (117 mm)	
Media	Thislass	With Dispenser / Rewinder: Max. 4.64 (118 mm)	
	Inickness	Min. 0.005 (0.08 mm) — Max. 0.01 (0.25 mm)	
	Label Roll Diameter	Max. 6' (203.2 mm) with 1.5'' (38.1 mm) core	
	Core Diameter	15" (38.1 mm) 3" (76.2 mm)	
	Types	Wax Was/Posin Posin	
	l ength	1471' (450 m)	
	Width	Min 118" (30 mm) — Max $433$ " (110 mm)	
Ribbon	Ribbon Roll		
	Diameter	2.99" (76 mm)	
	Core Diameter	1" (25.4 mm)	
Printer	Language	EZPL, GEPL, GZPL, GDPL auto switch	
	Label Design	Gol abel II (for EZPL only)	
Software	Software		
Soltware	Driver	Vista, Windows 7, Windows 8 & 8.1, Windows 10, Windows 11, Wi	ndows Server 2008 R2, 2012, 2012 R2, 2016, 2019, 2022, MAC, Linux
	SDK	Win CE, .NET, Windows 7, Windows 8 & 8.1, Windows 10, Window	is 11, Android, Mac, iOS
	Diana	6, 8, 10, 12, 14, 18, 24, 30, 16X26 and OCR A & B	20 2700
Resident Fonts	Bitmap Fonts	Bitmap fonts 90, 180, 270 rotatable, single characters 90, 180	J, 270 rotatable
		Bithidp fonts o times expandable in horizontal and vertical direc	
	Scalable Fonts	90°, 180°, 270° rotatable	
	Bitmap Fonts	90°, 180°, 270° rotatable, single characters 90°, 180°, 270° rotato	able
Download Fonts	Asian Fonts	90°, 180°, 270° rotatable, and 8 times expandable in horizontal o	and vertical directions
-	Scalable Fonts	90°, 180°, 270° rotatable	
		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),
	1-D Bar Codes	Begrer Bars ISBT-128 ITE 14 Japanese Postnet Logmars MSL	Postnet Plessev Planet 11 & 13 digit RPS 128 Standard 2 of 5 Telenen
Barcodes		Matrix 2 of 5. UPC-A/UPC-E (with 2 or 5 digit extension). UCC/EA	AN-128 K-Mart, Random Weight and Pharmacode
		Aztec code, Code 49.Codablock F , Datamatrix code, MaxiCode, J	Micro PDF417. Micro OR code. PDF417.OR code. TLC 39. GS1 Composite.
	Z-D Bar Codes	Dot Code, Macro PDF417	
		Codepage 437, 737,850, 851, 852, 855, 857, 860, 861, 862, 863, 8	865, 866, 869
Cod	e Page	Windows 1250, 1251, 1252, 1253, 1254, 1255, 1257	
	5	Unicode UTE8 \ UTE16BE \ UTE16LE	
Gro	aphics	Resident graphic file types are BMP and PCX other graphic form	nats are downloadable from the software
		USB 2.0	
Inte	erfaces	Serial port: RS-232 (DB-9)	
inte		Ethernet 10/100 Mbps	
		Three mono-color status-I EDs: Power on Ribbon out Media out	
Co	ontrol	Control keys: FEED. PAUSE and CANCE!	•
		Calibration button	
Pe	ower	Auto Switching 100-240V AC. 50-60Hz	
Real T	ime Clock	Standard	
_ · · 0	peration Temperature	41°F to 104°F (5°C to 40°C)	
Environment	Storage Temperature	-4°F to 122°F (-20°C to 50°C)	
Humidity	Operation	30-85%, non-condensing.	
Humaity	Storage	10-90%, non-condensing.	
Agency	Approvals	CE(EMC), FCC Class A, CB, cUL, CCC (The safety certification mar	rks may be different depending on sales regions.)
	Length	20.15" (512 mm)	
Dimention	Height	11.45 (291 mm) 10.78" (274 mm)	
Width		10.70 (274 mm)	
Weight		Cutter Medule	
		Label Dispenser Linternal Revie der	
Options&Accessories		Laber Dispenser + Internal Rewinder Parallal Part (IEEE1286)	
		Applicator Interface (1 input 3 outputs, power 500mA @ 5V for	project base)
		External label roll holder for 10" (250 mm) O.D. label rolls	project base/
		External label rewinder	

Notice

\* 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

Parallel portHandshaking:DSTB is sent to the printer, BUSY to the host computerInterface cable:Parallel cable compatible with IBM computersPinout:See below

Pin No.	Function	Transmitter
1	/Strobe	Computer / printer
2-9	Data 0-7	Computer
10	/Acknowledge	Printer
11	Busy	Printer
12	/Paper empty	Printer
13	/Select	Printer
14	/Auto-Linefeed	Computer / printer
15	N/C	
16	Signal Gnd	
17	Chassis Gnd	
18	+5V, max 500mA	
19-30	Signal Gnd	Computer
31	/Initialize	Computer / printer
32	/Error	Printer
33	Signal Ground	
34-35	N/C	
36	/Select-in	Computer / printer

### Serial Port

Default settings

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

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

#### RS232 housing (9-pin to 9-pin)

[Notice] The total current to the serial port may not exceed 500mA.

# USB Connector type : Type B

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

Internal interface

UART1 wafer		Ethernet module
N.C	11	N.C
TXD	22	RXD
RXD	33	TXD
CTS	44	RTS
GND	55	GND
RTS	66	CTS
E_MD	77	E_MD
RTS	88	CTS
E_RST	99	E_RST
+5V	1010	+5V
GND	]11 <u>11</u>	GND
+5V	1212	+5V

UART2 wafer			Add-on module
N.C	1	1	N.C
TXD	2	2	RXD
RXD	3	3	TXD
CTS	4	4	RTS
GND	5	5	GND
RTS	6	6	CTS
N.C	7	7	N.C
RTS	8	8	CTS
N.C	9	9	N.C
+5V	101	<u>o</u> [	+5V
GND	]1111	1	GND
+5V	]121;	2	+5V

Applicator wafer			Applicator module
+5V	1	1	+5V
+24V	2	2	+24V
Printing(out)	3	3	Printing
Print error(out)	4	4	Print error
Printed(out)	5	5	Printed
Print(in)	6	6	Print
GND	7	7	GND
N.C	8	8	
GND	9	9	
N.C	10	10	







Housing 2.00 5x2