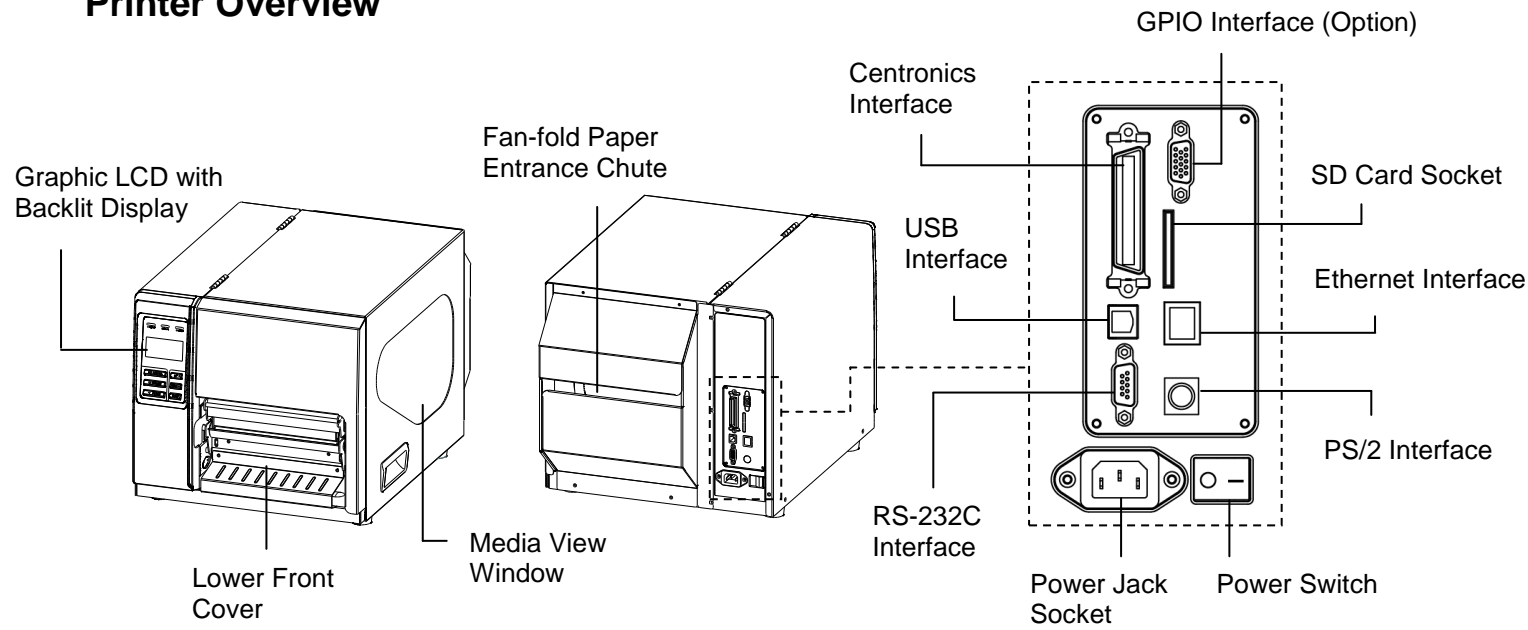# Quick Installation Guide

Printer Overview

- Graphic LCD with Backlit Display
- Fan-fold Paper Entrance Chute
- Centronics Interface
- GPIO Interface (Option)
- USB Interface
- SD Card Socket
- Ethernet Interface
- PS/2 Interface
- RS-232C Interface
- Power Jack Socket
- Power Switch
- Lower Front Cover
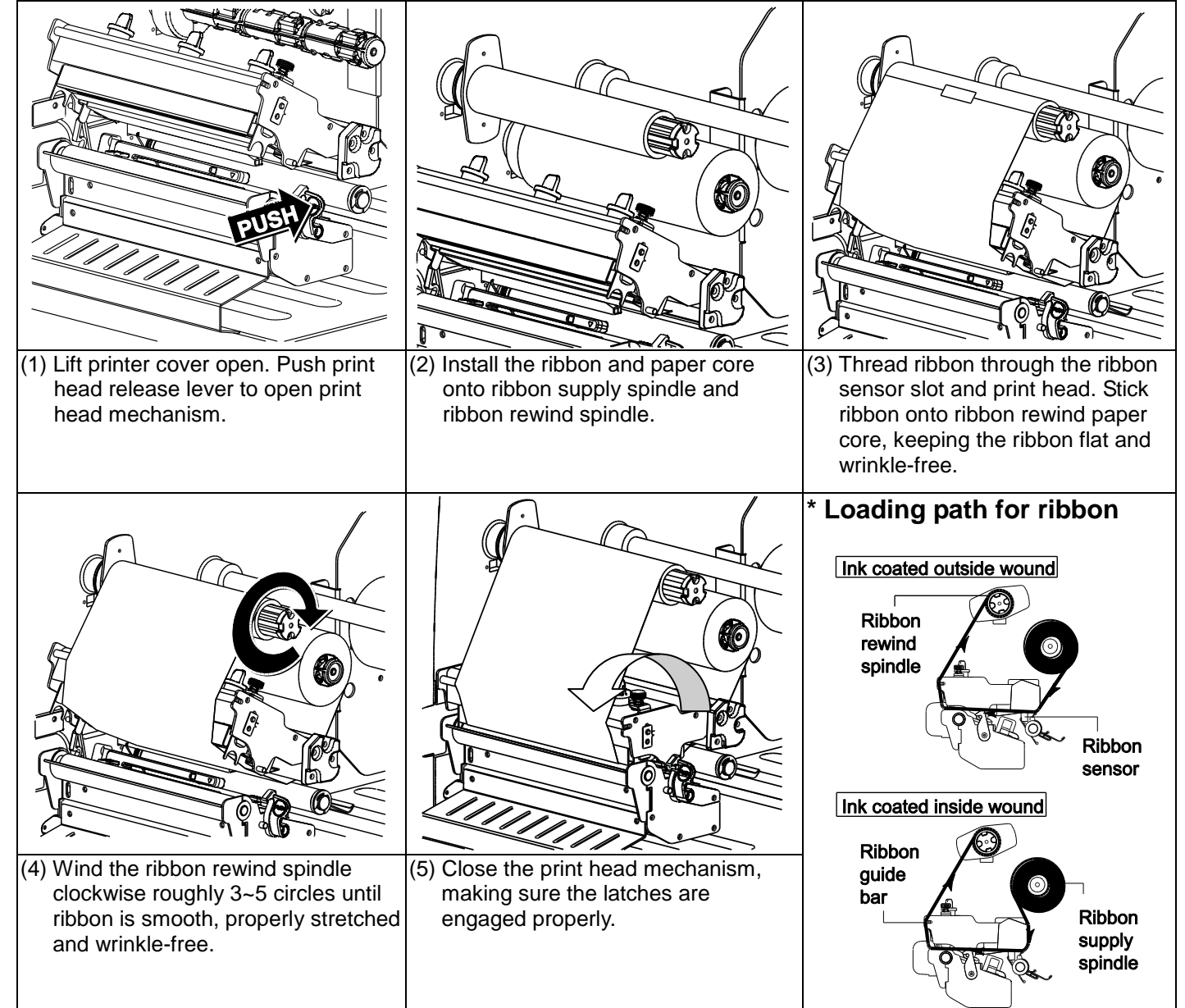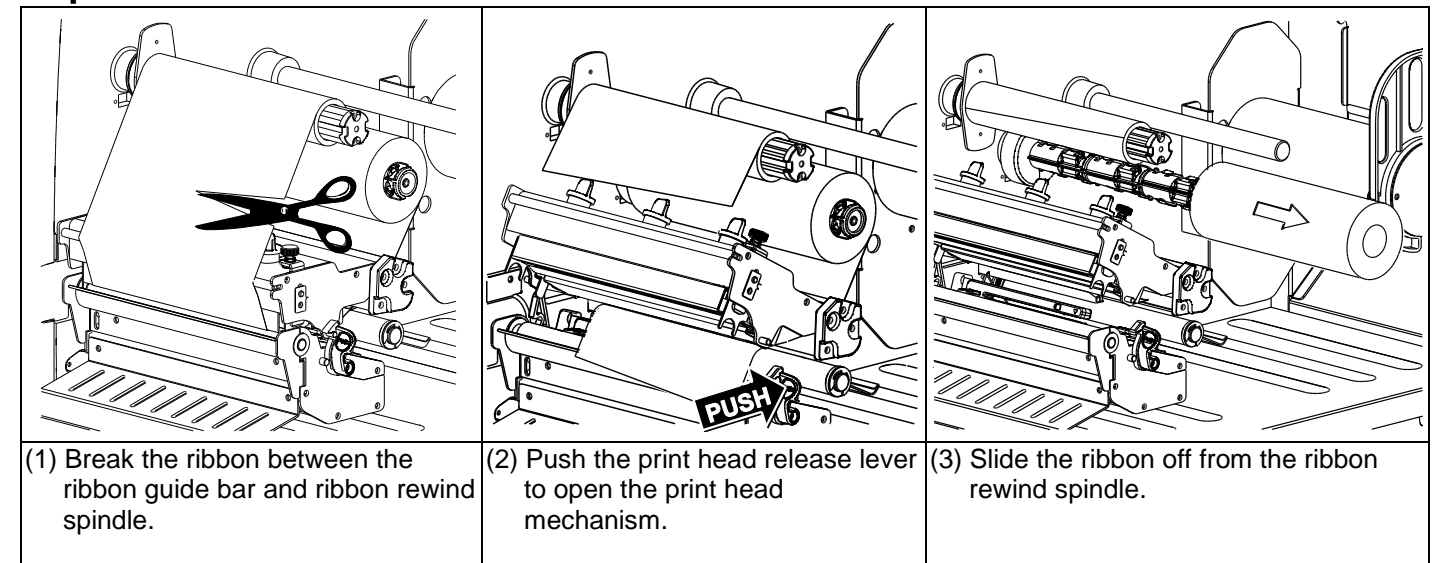- Media View Window

Note:

The interface picture here is for reference only. Please refer to the product specification for the interfaces availability.

- Printer Cover
- Ribbon Guide Bar
- Print Head
- Platen Roller
- Ribbon Sensor
- Media Sensor
- Ribbon Rewind Spindle
- Label Roll Guard
- Print Head Release Lever
- Ribbon Supply Spindle
- Print Head Pressure Adjustment Knobs
- Damper
- Media Guide Bar
- Label Supply Spindle
- Black Mark Sensor
- Label Guide

Loading Ribbon

(1) Lift printer cover open. Push print head release lever to open print head mechanism.

(2) Install the ribbon and paper core onto ribbon supply spindle and ribbon rewind spindle.

(3) Thread ribbon through the ribbon sensor slot and print head. Stick ribbon onto ribbon rewind paper core, keeping the ribbon flat and wrinkle-free.

(4) Wind the ribbon rewind spindle clockwise roughly 3~5 circles until ribbon is smooth, properly stretched and wrinkle-free.

(5) Close the print head mechanism, making sure the latches are engaged properly.

* Loading path for ribbon

Ink coated outside wound
- Ribbon rewind spindle
- Ribbon sensor

Ink coated inside wound
- Ribbon guide bar
- Ribbon supply spindle

Replace Ribbon

(1) Break the ribbon between the ribbon guide bar and ribbon rewind spindle.

(2) Push the print head release lever to open the print head mechanism.

(3) Slide the ribbon off from the ribbon rewind spindle.

Loading Media

|		
(1) Remove the label roll guard.	(2) Place media roll on label supply spindle. Replace label roll guard.	(3) Push the print head release lever to open the print head mechanism.
(4) Pull the leading edge of the label forward through the media guide bar past media sensor, and place the leading edge onto the platen roller.	(5) Press and hold the label guide to adjust it to fit the label width.	(6) Close print head mechanism, making sure the latches are engaged properly.

* Loading path for media

Media guide bar
Platen roller
Media sensor
Media supply spindle
Label roll guard
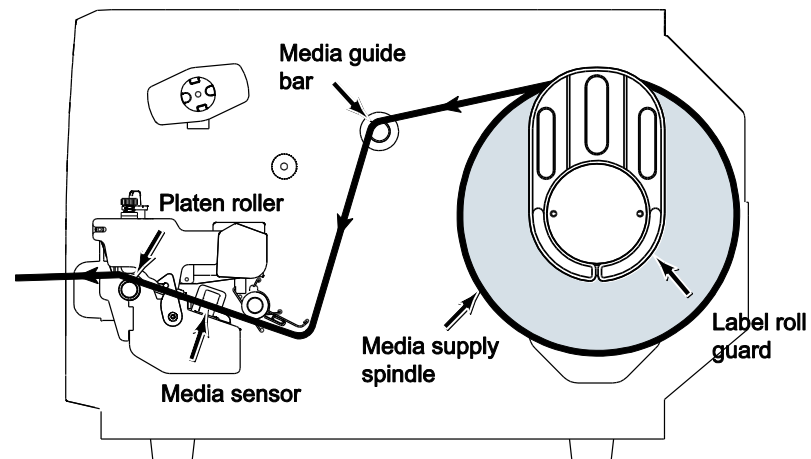
(7) Using the front display panel, set media sensor type and calibrate the selected sensor. (See "Media Sensor Calibration" on facing page.)
Note: Re-calibrate the gap/black-mark sensors when changing media.

* For more information and features about this printer, refer to the User's Manual on the CD disk.
* Specifications, accessories, parts and programs are subject to change without notice.

Control Panel
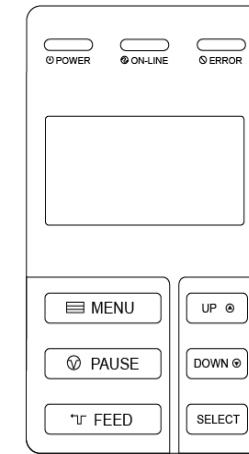
LED	Status	Indication
⏻ POWER	Off	Printer power off
	On	Printer power on
⊘ ON-LINE	On	Printer is ready
	Blinking	Printer is paused
		Printer is downloading data
⊘ ERROR	Off	Printer is ready
	On	Carriage open or cutter error
	Blinking	No paper, paper jam or no ribbon

Keys	Function
☰ MENU	1. Enter the menu system 2. Once in the menu system, return to previous menu. If at menu root, exits the menu system.
⊘ PAUSE	Pauses or resumes printing
⊤ FEED	Advances one label
UP ⊛	Scroll up the menu options
DOWN ⊗	Scroll down the menu options
SELECT	Select the currently highlighted option

Diagnostic Tool

Diagnostic Utility is an integrated tool incorporating features that enable you to explore a printer's settings/status; change a printer's settings; download graphics, fonts and firmware; create a printer bitmap font; and send additional commands to a printer. With the aid of this powerful tool, you can review printer status and settings in an instant, which makes it much easier to troubleshoot problems and other issues.

Start the Diagnostic Tool:

(1) Double click the Diagnostic tool icon ( ) to start the software.
(2) Four features (Printer Configuration, File Manager, Bitmap Font Manager, Command Tool) are included in the Diagnostic utility.

Features Tab
Printer Functions
Printer Status
Interface
Printer Setup

(3) The Printer Functions group provides the following options:

Function	Description
Calibrate Sensor	Calibrate the sensor specified in the Printer Setup group media sensor field
Ethernet Setup	Setup the IP address, subnet mask, gateway for the on board Ethernet
RTC Setup	Synchronize printer Real Time Clock with PC
Print Test Page	Print a test page
Reset Printer	Reboot printer
Factory Default	Initialize the printer and restore the settings to factory default.
Dump Text	To activate the printer dump mode.
Ignore AUTO.BAS	Ignore the downloaded AUTO.BAS program
Configuration Page	Print printer configuration
Password Setup	Set the password for DiagTool

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