# Quick Installation Guide

## Printer Overview

Graphic LCD with Backlit Display (Option)

Centronics Interface (Option)

USB Interface

Label Insert Opening (For use with external labels)

Ethernet Interface (Option)

RS-232C Interface

Label Dispense Opening

Power Switch

Power Jack Socket

SD Card Socket
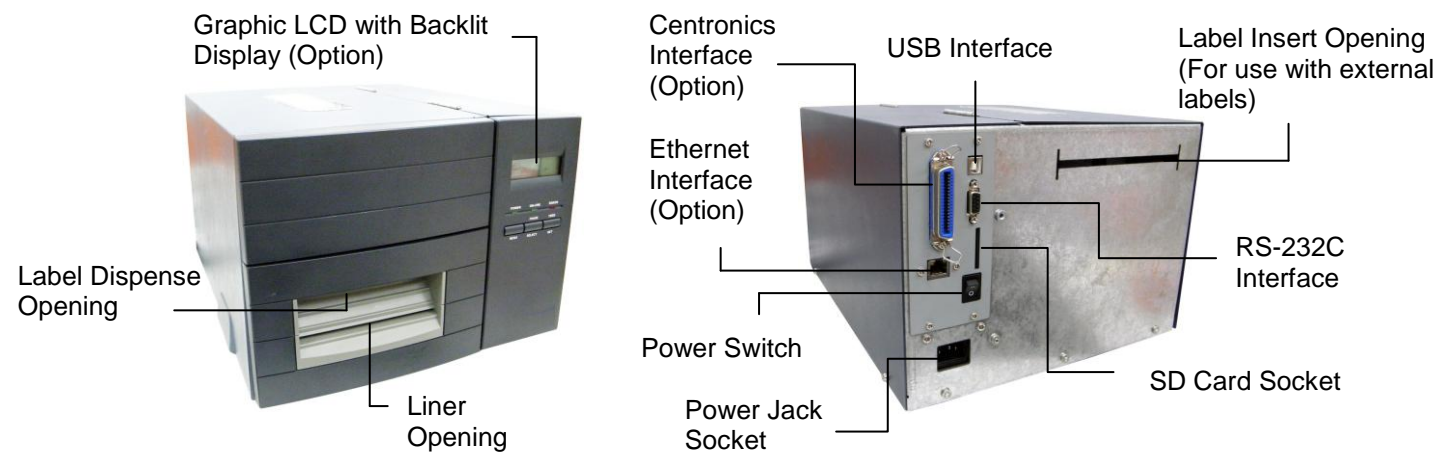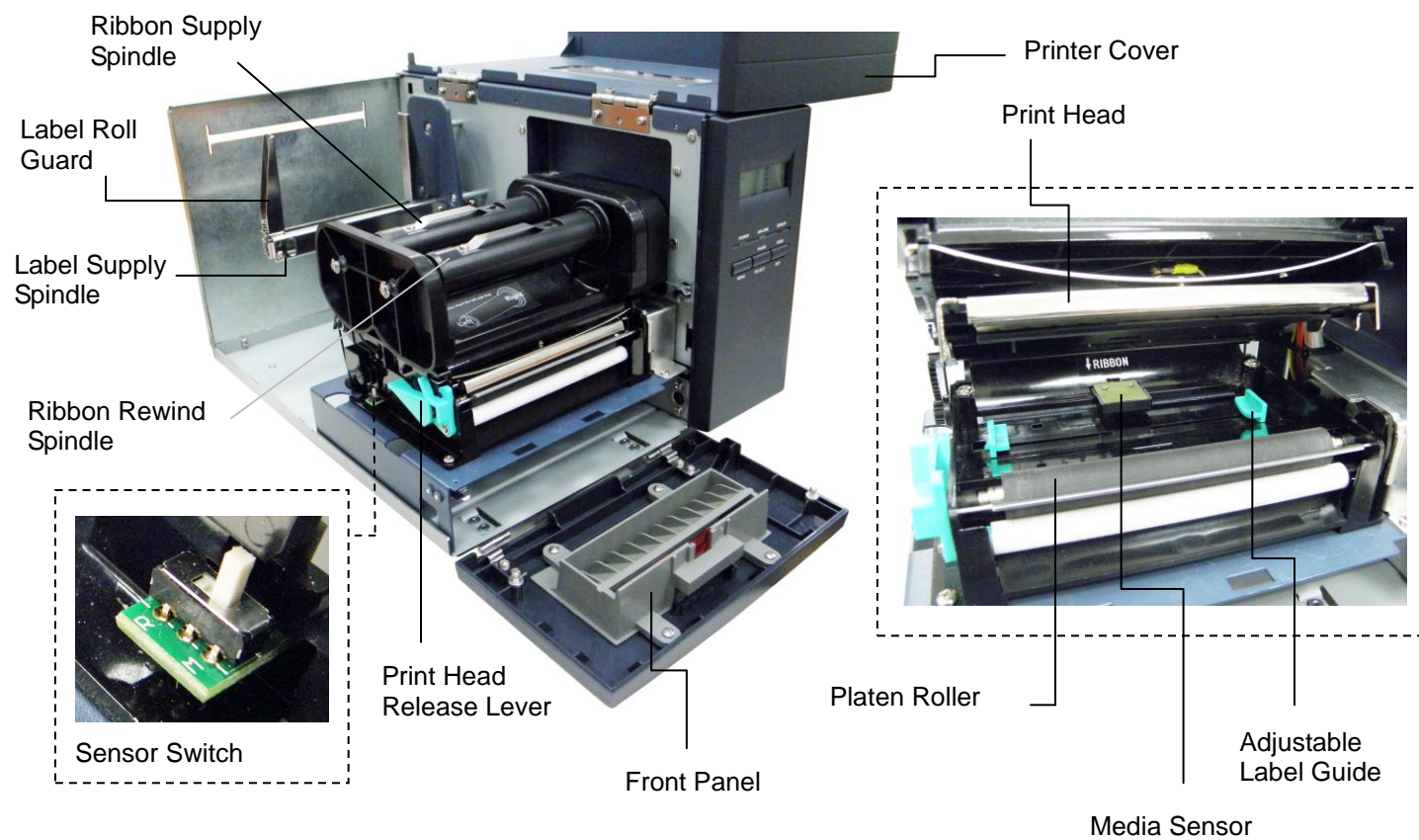
Liner Opening

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

Ribbon Supply Spindle

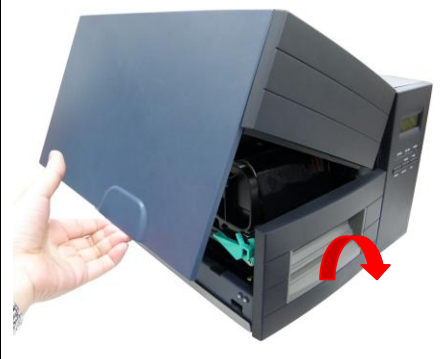Printer Cover

Label Roll Guard

Print Head

Label Supply Spindle

Ribbon Rewind Spindle

Print Head Release Lever

Platen Roller

Adjustable Label Guide

Sensor Switch

Front Panel

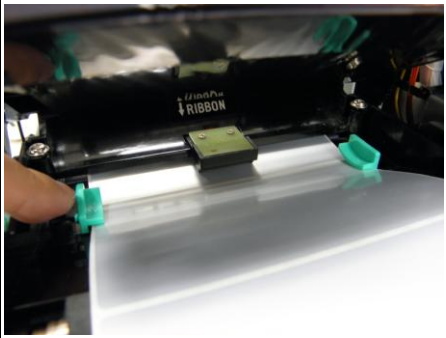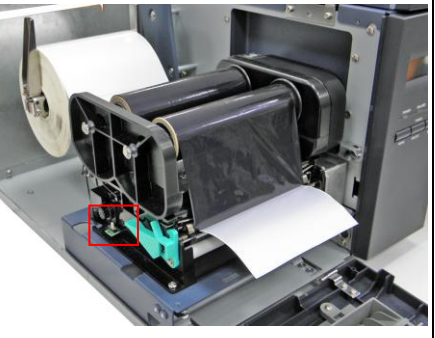Media Sensor

## Setting up the Printer

1. Connect the printer to the computer with the provided printer cable.

2. Plug one end of the power cord into the power connector at the rear of the printer, and then plug the other end into a properly grounded wall outlet.

    **Note: Please switch OFF printer power switch prior to plug in to the power cord to printer power jack.**

## Loading the Ribbon

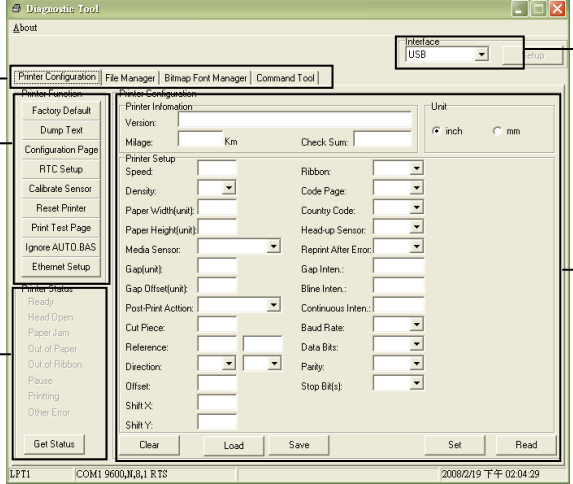| | | |
|---|---|---|
| (1) Open the printer cover and front panel. | (2) Place an empty paper core onto the ribbon rewind spindle. | (3) Insert the left side first. Mount the ribbon rewind paper core on the front hubs. Please be noted that the bigger hub side with 4 ribs must be installed toward the right side of ribbon mechanism. |
| (4) Insert the left side first. Install a ribbon on the ribbon supply spindle. Mount the ribbon supply spindle on the rear hubs. | (5) Please be noted that the bigger hub side with 4 ribs must be installed toward the right side of ribbon mechanism. | (6) Disengage the printer carriage by pulling the print head release lever. |
| (7) Following the direction of the ↓**RIBBON** label, pull the transparent ribbon leader to the front from under the ribbon mechanism. | (8) Attach the ribbon leader to the empty paper core on the ribbon rewind spindle (with a tape). | (9) Rotate the ribbon rewind spindle until the ribbon overlaps the ribbon leader and stretches tight. |

## Loading the Label



(1) Open the printer cover, front panel and print head release lever.

(2) Lower the label roll guard to the horizontal position, slide the label roll into onto the (external) label supply spindly, and then flip back the label roll guard.

(3) Install the label so that it goes (when using an external label roll mount: through the label feed slot) in the direction of the ↓LABEL label and under the ribbon mechanism to lay upon the platen.

(4) Adjust the label guide to fit the width of the label.

(5) Engage the printer carriage. Select the using label type by sensor switch.

"M" for single column label

"R" for double column label

(6) Close the printer cover and front panel.

(7) Use "Diagnostic Tool" to set the media sensor type and calibrate the selected sensor. (Start the "Diagnostic tool" → Select the "Printer Configuration" tab → Click the "Calibrate Sensor" button)

*Note:*

- *When switched on, the printer will automatically detect whether ribbon is installed to set printer to direct thermal or thermal transfer mode. As such, to use thermal transfer mode, be sure to install the ribbon, the label, and engage the ribbon mechanism before you switch on the printer. To use direct thermal mode, install the label and engage the ribbon mechanism before switching on the printer.*
- *Please calibrate the gap/black mark sensor when changing the media.*
- *When the printer is out of ribbon or label, the ON-LINE LED will not come on and the ERROR LED will flash. Reload the ribbon or media without turning off the printer. Press the FEED button a few times until the ON-LINE LED illuminates, the printing job will be resumed without data loss.*
- *To use the self-peeling function (option), tear off the first few labels, turn the print head release lever backwards, guide the backing paper over the (metal) label stripper and then downwards insert it between the platen and the self-peeling rod.*

## Diagnostic Tool

The Diagnostic Utility toolbox allows users to explore and change printer status and settings. Downloading graphics, fonts, firmware to the printer can be accomplished using this utility, as well as creating bitmap fonts. The Diagtools can be used to send additional commands to the printer and troubleshoot any issues during use.

**Note: The Diagnostic Utility requires printer firmwares V6.00 and above.**

**Start the Diagnostic Tool:**

(1) Double click the Diagnostic tool icon ( DiagTool.exe ) to start the software.

(2) Four features (Printer Configuration, File Manager, Bitmap Font Manager, Command Tool) are included in the Diagnostic utility.



(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 Time | 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 |

For further information on printer operation, please refer to the user's manual in Driver CD disc.

Specifications, accessories, parts and programs are subject to change without notice.