

Quick Installation Guide

1. Printer Installation

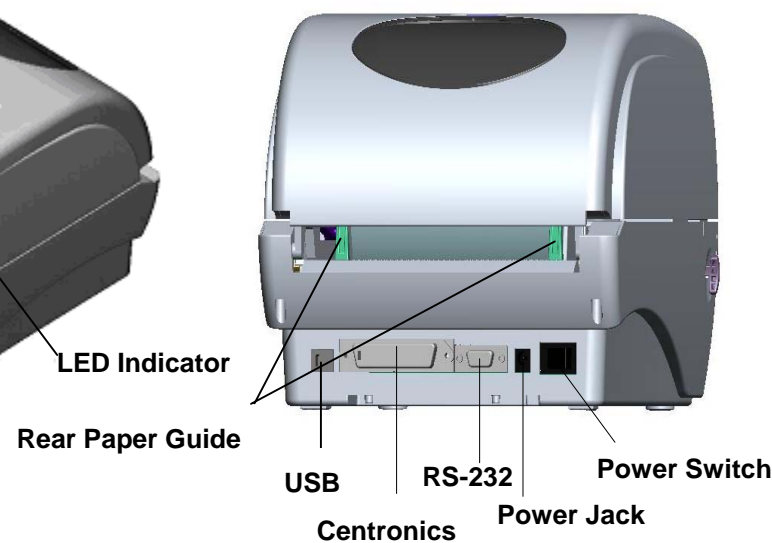
Place this printer on a flat stable surface and make sure the power switch is turned off.

1. Connect the printer to the host computer with a Parallel Centronics, Serial RS-232C or USB cable.
2. Plug the power cord into the power jack connector at the rear of the printer, then plug the power cord into a properly grounded outlet (refer to figure 2).

Figure 1



Figure 2



2. Loading the Ribbon

Note: The printer automatically detects if a ribbon is installed after power on and will switch to thermal transfer or direct thermal printing mode. If the printer does not detect a ribbon (direct thermal mode), the motor that drives the ribbon spindles will be turned off. Make sure both the ribbon access window and the printer top cover are closed when powering the printer up.

1. Push down on the **ribbon access window** to unlock and open the cover (refer to figure 3).
2. Place a paper core on a **ribbon rewind spindle**.
3. Mount the **ribbon rewind paper core** on the front hubs.

Figure 3

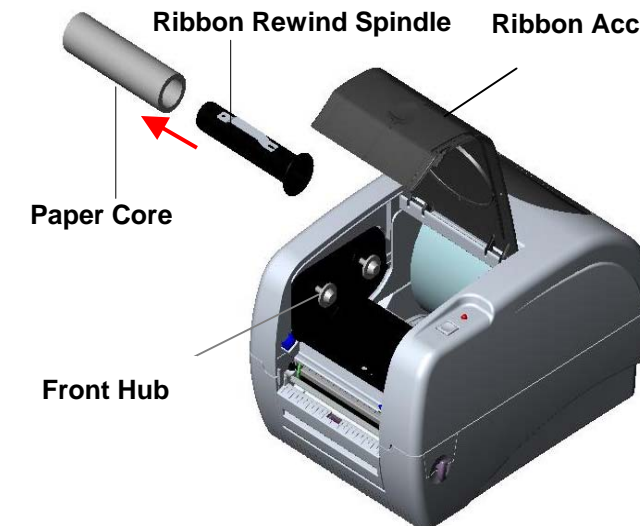


Figure 4

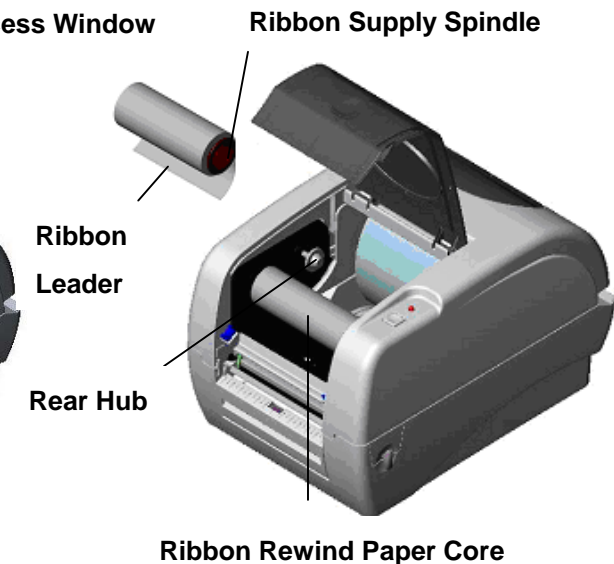
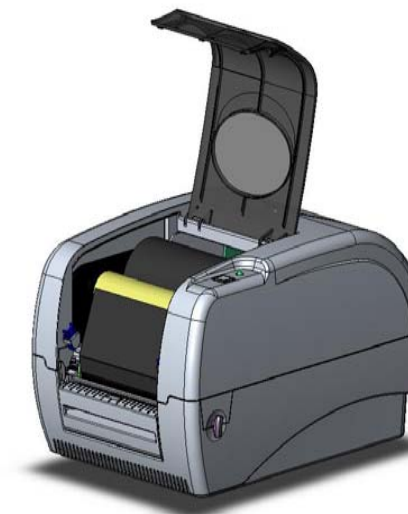


Figure 5

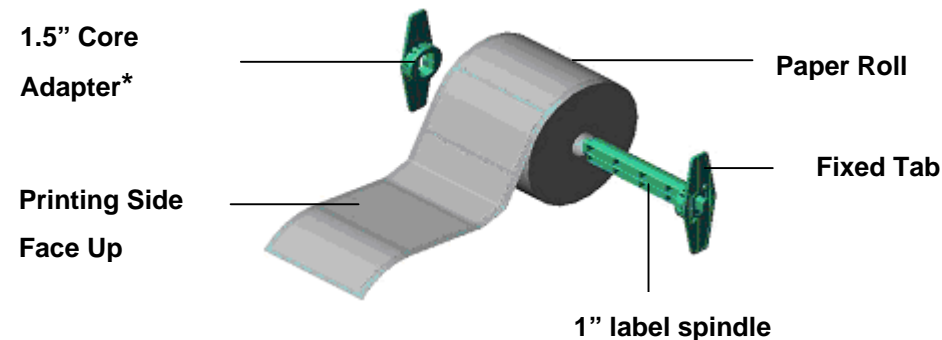


4. Install a ribbon on the **ribbon supply spindle**.
5. Mount the ribbon supply spindle on the rear hubs (refer to figure 4).
6. Pull the ribbon from the ribbon supply spindle and cross the print head, stick the ribbon onto the **Ribbon Rewind Paper Core** (refer to figure 5).
7. Attach the ribbon leader to the **ribbon rewind paper core**.
8. Rotate the ribbon rewind paper core until the ribbon leader is thoroughly, firmly encompassed by the black section of the ribbon.
9. Close the ribbon access window.

3. Loading the Label

1. Insert a 1" label spindle into a paper roll (* If your paper core is 1 inch, remove the 1.5" core adapter from the fixed tab).

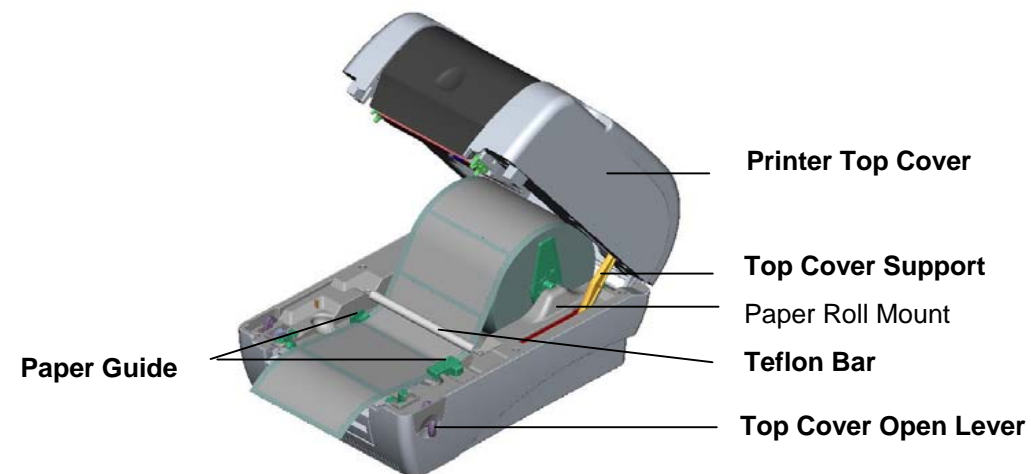
Figure 6



2. Open the printer's top cover by releasing the green **Top cover open levers** located on each side of the printer and lifting the top cover. A **Top Cover support** at the rear of the printer will hold the printer top cover open.
3. Place a roll of paper onto the center of the paper roll mount (refer to figure 7).
4. Feed the paper, printing side face up, through the Teflon bar and the paper guide and pass over the platen.
5. Adjust the green center-biased **paper guides** in or out so they slightly touch the edges of the label backing.
6. To close the printer top cover, lift the cover slightly and pull the bottom of the **Top Cover support** forward toward the front of the printer. Close the printer top cover slowly and make sure the cover locks latch securely.

Note: *failure to securely close and lock the cover will result in poor print quality.*

Figure 7



4. Button Function

This printer has a single button and LED indicator to control the following functions.

1. Feed labels.

When the printer is ready, press the button to feed one label to the beginning of next label.

2. Pause printing job.

When the printer is printing, press the button to pause a printing job. When the printer is paused the LED is **green** and **blinking**. Press the button again to continue printing.

3. Ribbon Sensor Calibration

Printer will calibrates the ribbon sensor sensitivity.

Please follow the steps below to calibrate the ribbon sensor.

1. Turn off the power.
2. Press and hold the feed button then turn on printer power.
3. Release the button when LED turns red after first orange. (Any red will do during the 5 blinks).

The LED color will be changed as following pattern:

Orange → **red (5 blinks)** → orange (5 blinks) → green (5 blinks) → green

4. Gap / black mark sensor calibration, self-test and dump mode.

It is activated by the following procedures.

- Turn off printer power.
- Press and hold the button and then turn on the printer power. The LED will become **orange** and **blinking**.
- Release the button, the printer will feed several labels to calibrate the top of form sensor and set the label length followed by a test label consisting of the print head check pattern and internal settings. After the test label prints, the printer is left in its dump mode setting. Dump Mode allows the printer to print all data received by the printer and is used for troubleshooting purposes.
- To exit Dump Mode for normal printing, please turn off/on the printer.

Note: *The sensor type (gap or black mark sensor) depends on the sensor setting of last printing*

5. Printer initialization.

Printer initialization is used to clear DRAM memory and restore printer settings to factory

defaults. It is activated by the following procedures.

- Turn off printer power.
- Press and hold the button then turn on power. The LED will become **orange** and **blink** for 5 times (approximately 5 seconds) then become **green** and **blink** for 5 times.
- Release the button when LED becomes **green** and **blinking** and then the printer will be reset (LED becomes **orange** then **solid green**).

5. Appendix

Printer default settings are listed as below:

Item	Settings
Speed	127 mm/sec (5 ips)
Density	7
Label Width	4.25" (108.0 mm)
Label Height	2.5" (63.4 mm)
Sensor Type	Gap sensor
Gap Setting	0.12" (3.0 mm)
Print Direction	0
Reference Point	0,0 (upper left corner)
Offset	0
Tear Mode	On
Peel off Mode	Off
Cutter Mode	Off
Serial Port Settings	9600 bps, none parity, 8 data bits, 1 stop bit.
Code Page	850
Country Code	001
Clear Flash Memory	No