

Quick Start Guide

# MilliSententials™ Lab Labeling System

**MISELLABST**   **MISELLABSA**   **MISELLABSC**   **MISELLABSL**   **MISELLABSB**  
**MISELLABSI**   **MISELLABSJ**   **MISELLABSE**   **MISELLABSR**   **MISELLABSN**



**Watch the Setup Video**

View the code using your smart phone's camera (iPhone® or Android™) to access the setup video webpage and watch the video for step by step instructions.

The video is also available at [SigmaAldrich.com](http://SigmaAldrich.com) on the Setting up MilliSententials™ Lab Labeling System page.



**MilliSententials™ Lab Labeling System Software**

Download the latest software here.



**User Guide**

See full User Guide for software instructions, troubleshooting, and more.

## Introduction

The MilliSentials™ Lab Labeling System combines laboratory grade adaptable labels, a compact printer with wireless network capability, and custom developed software to streamline laboratory labeling workflows.

### What's in the Box



### Additional items needed

- PC computer with Windows® 10 or higher operating system. Other devices are also compatible. For a full list, download the User Guide from the MilliSentials™ Lab Labeling System product page at [SigmaAldrich.com/millisentials-labeler-user-guide](https://SigmaAldrich.com/millisentials-labeler-user-guide).
- Network connection, if desired. For directions on how to connect your printer to a network, download the full User Guide from the MilliSentials™ Lab Labeling System product page at [SigmaAldrich.com/millisentials-labeler-user-guide](https://SigmaAldrich.com/millisentials-labeler-user-guide).

## Printer Setup

Open the printer by pulling both yellow release latches on either side of the printer. The lid lifts upward.

### Install the Ribbon

1. Locate one of the plastic core adapters and push through the ribbon core, in the orientation shown.
2. Place the plastic core adapter in the lower supply spindle as shown with notches on the left lining up.
3. Unwrap the ribbon ensuring the adhesive remains attached. With the adhesive from the ribbon packaging facing up, place the 1 in. cardboard adapter onto the adhesive and roll the adapter away from you to tighten and secure.
4. Gently pull the ribbon up and over the printhead onto the top take-up spindle, in the orientation shown.
5. Advance the take-up spindle away from you to remove any slack in the ribbon.

**TIP:** The dull-side of the ribbon should be facing out. To check if properly installed, gently place a label, adhesive-side-down, onto the exposed ribbon, and pull the label off the ribbon. If the ribbon is properly installed, the label adhesive should show black marks.

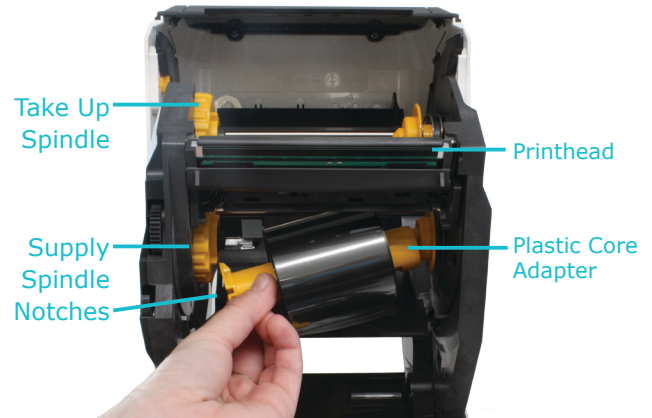
### Install the Labels

1. Slide the yellow label roll holders apart and insert the label roll as shown. Labels should face outward.
2. Thread the labels under the label guides and pull until the labels touch the roller.

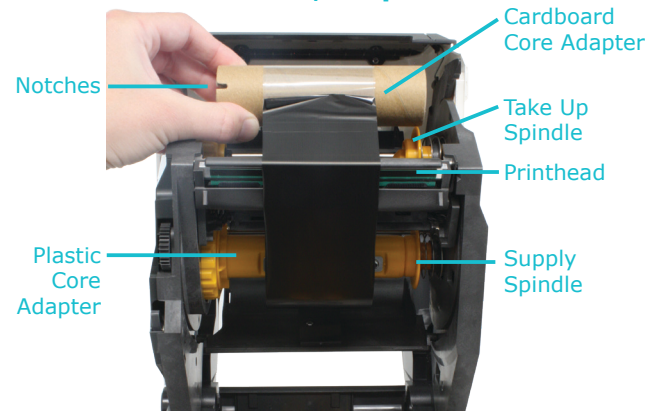
### Close the Printer Lid

Printer setup is complete.

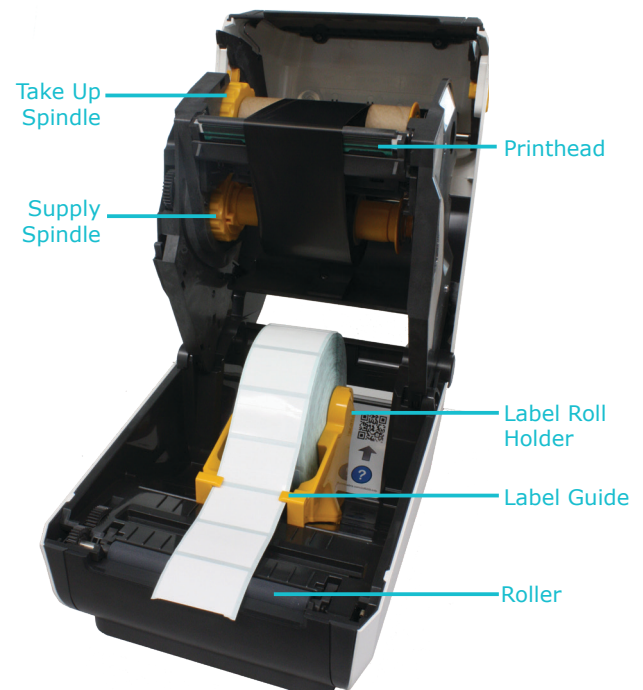
### Ribbon Installation, Steps 1-2



### Ribbon Installation, Steps 3-5



### Label Installation



## Software Installation

The MilliSentials™ Lab Labeling System Software must be installed on your Windows® computer to communicate with the printer.

Follow these instructions to install on your Windows® 10 or higher computer:

1. Plug the USB flash drive into your computer.
2. Double click on the MilliSentials™ Lab Labeling System Software folder and then on the **MilliSentials Lab Labeling System Software\_V2** application. Select "Run" or "Allow Access" to start installation.

**TIP:** Installation from the USB flash drive should be done in RUN mode. Extracting the zip folders from the USB flash drive will corrupt the files.

3. The installation may take a few moments.

A full list of compatible operating systems and detailed installation instructions are available in the User Guide at [SigmaAldrich.com/millisentials-labeler-user-guide](https://SigmaAldrich.com/millisentials-labeler-user-guide) on the MilliSentials™ Lab Labeling System product page.

## Communicate with the Printer

1. Plug in the printer into an electrical outlet. Press the power button located on the top of the printer.
2. Using the grey USB cable (provided), connect the printer to the computer. The USB port is located on the back of the printer.
3. Allow a few moments for the printer drivers to install.

**TIP:** Test your printer connection by going into the "Printers & Scanners" menu on your Windows® computer and ensuring that **ZDesigner ZD621-300dpi ZPL** is on the list. If connected via USB, you can click on the printer name, go to "Manage" and the status in the pop-up window should read "Idle".

For full instructions on how to use the MilliSentials™ Lab Labeling System Software, see the User Guide at [SigmaAldrich.com/millisentials-labeler-user-guide](https://SigmaAldrich.com/millisentials-labeler-user-guide).

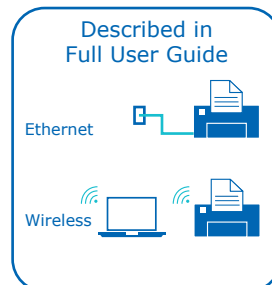
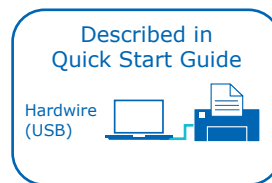
## Choose the Right Connection for Your Lab

There are several ways of connecting your printer and computer, including via USB cable ("Kiosk Mode"), ethernet, or wireless network ("Standalone Printer Mode").




Connecting your printer via USB cable is the fastest way to get set up and start printing labels and will be described here in the Quick Start Guide.

**Note:** A connection via USB cable also allows for wireless printing with a network connection.

The connection can be changed at any time, as lab needs change. For a full overview of the different options including wireless printing, consult the User Guide on the MilliSentials™ Lab Labeling System product page at [SigmaAldrich.com](https://SigmaAldrich.com) or watch the setup video.



## Connecting Your Printer via USB Cable


1. Connect the printer to your computer using the grey USB cable provided.
2. Open MilliSentials™ Lab Labeling System Software on your computer.
3. It is strongly suggested to login by creating a **USER PROFILE** (upper right corner).
4. From the **HOMEPAGE** , click  in the upper left corner and select **PRINTER SETTINGS** .
5. Select **ZDesigner ZD621-300dpi ZPL** and click **UPDATE**.



A green printer icon in the MilliSentials™ Lab Labeling System Software (lower left corner) confirms you have a successful connection with the printer.



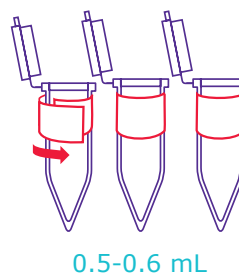
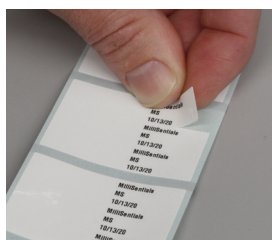
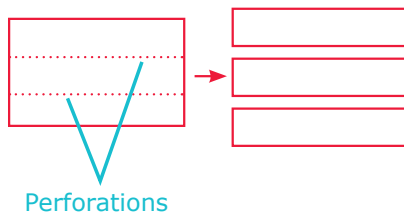
A red printer icon indicates the printer is not connected. For troubleshooting the printer connection, download the full User Guide from the product page at [SigmaAldrich.com/millisentials-labeler-user-guide](https://SigmaAldrich.com/millisentials-labeler-user-guide).

To start creating labels, return to the **HOMEPAGE**  and select **NEW LABEL**  or a pre-designed MilliSentials™ **LAB TEMPLATE** .

You are ready to print!

## MilliSentials™ Lab Adaptable Labels

The MilliSentials™ Lab Adaptable Labels have been designed with custom perforations which allow for different label configurations.



The labels can be used for 0.5–0.6 mL tubes, 1–2 mL tubes, cryovials, plates and dishes, and 5 mL+ tubes.

The MilliSentials™ Lab Adaptable Labels have been tested for compatibility with common laboratory chemicals (see list below) and from temperatures of -196–100 °C when applied to polypropylene tubes. For a full list of compatible conditions, see the full User Guide.

### Chemical Compatibility

- Water
- Isopropyl alcohol (≤95%)
- Ethanol (≤95%)
- Dimethyl- sulfoxide (≤70%)
- Methanol (≤95%)
- Acetonitrile (≤75%)
- Bleach (≤70%)
- Xylene (≤95%)
- Acetone (≤95%)

## Product Ordering

Purchase online at [SigmaAldrich.com](http://SigmaAldrich.com).

### MilliSentials™ Lab Labeling System

Includes:

- MilliSentials™ Lab Printer (3-year warranty)
- AC power supply, power cord (country specific)
- USB cable
- USB flash drive with MilliSentials™ Lab Labeling System Software for Windows® OS
- MilliSentials™ Lab Adaptable Labels, 1615 labels (1 roll)
- MilliSentials™ Lab Ribbon, 1 ribbon (prints ~6000 labels)
- Two (2) cardboard core adapters, 1 inch and 0.5 inch
- Two (2) plastic core adapters

### Refills

- MilliSentials™ Lab Adaptable Labels (1615 labels/roll)
- MilliSentials™ Lab Printer Ribbon (prints ~6000 labels)

Country	Catalogue Number
Taiwan	MISELLABST
India	MISELLABSI
APAC	MISELLABSA
Japan	MISELLABSJ
China	MISELLABSC
Europe	MISELLABSE
LATAM	MISELLABSL
Argentina	MISELLABSR
Brazil	MISELLABSB
North America	MISELLABSN

Quantity	Catalogue Number
1 roll	MISELADLA
1 ea	MISELPRRI

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Warranty, use restrictions, and other conditions of sale may be found at [SigmaAldrich.com/Terms](https://SigmaAldrich.com/Terms).

## Contact Information

For the location of the office nearest you, go to [SigmaAldrich.com/Offices](https://SigmaAldrich.com/Offices).



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