Printer driver and calibration steps for most Wasp Printers

Internal User - 2026-10-19 - Manuals and Driver

Windows print driver for WPL Label Printers (see below for full list of models). This driver is compatible with 32-bit and 64-bit versions of Windows 11, 10, 8, 7, Vista, XP, and Windows Server 2003, 2008, 2012, 2016. 2019

Click on the link below or copy the link to your web browser:
https://dl.waspbarcode.com/kb/printer/WaspPrintDriver2026.exe

NOTE: If this is a new computer and you have McAfee Live Safe installed, pause real time scan for at least 15 minutes to install the printer as McAfee will block the installation process.

Installing the printer

1. Turn on the printer, wait for the status light to display green, then plug its USB cable into the PC. After Windows installs its USB Printing Support driver (seen in Devices and Printers under Unspecified), the printer is ready for driver installation.

2. Run the downloaded file, which extracts the drivers and runs the DriverWizard. You will see references to Seagull Scientific, Inc., which is normal. Follow the prompts to upgrade an older driver, or install a new driver.

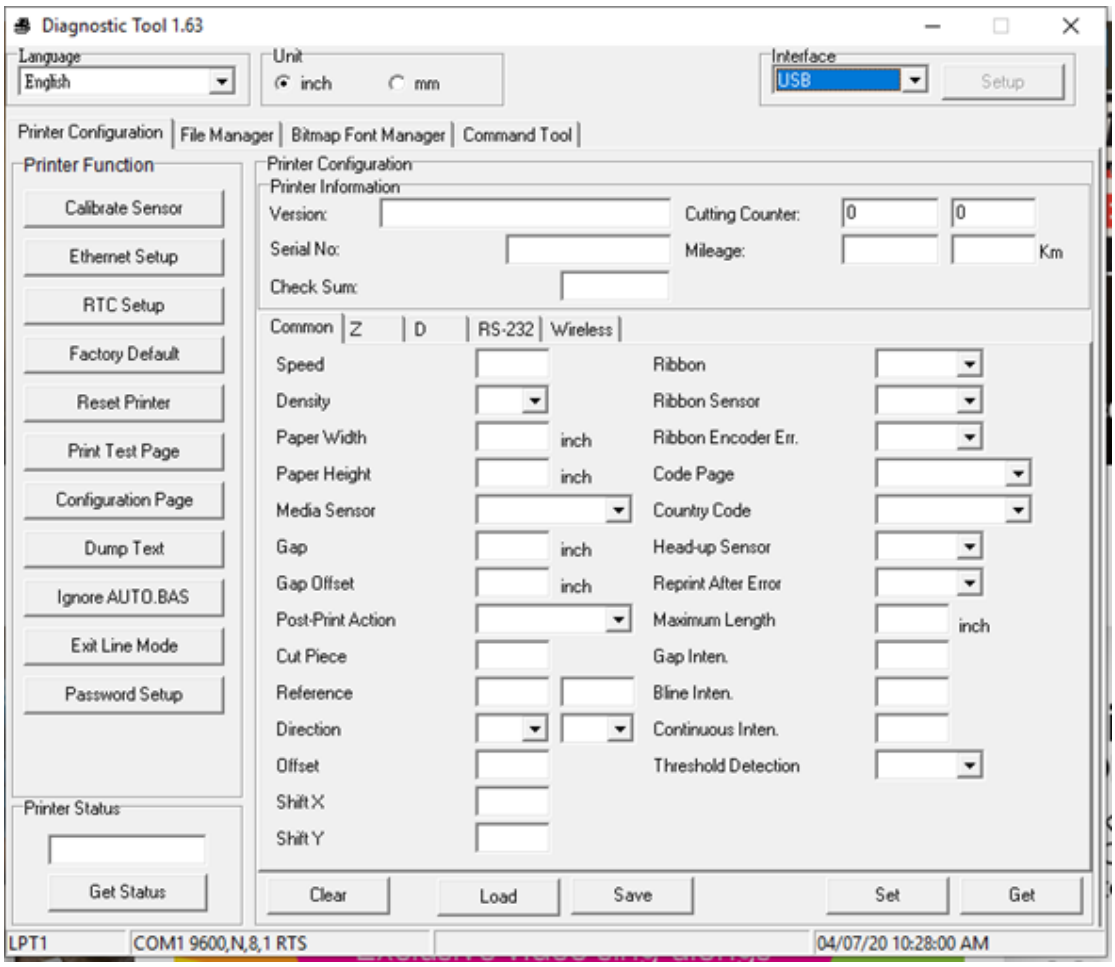
3. If there is an older version of the driver installed, the DriverWizard can upgrade in place. Reboot the PC if prompted. After you log back in, it may prompt to reboot again; please do so. When you log in again, it should confirm removal of the old driver(s).

Calibrating the printer

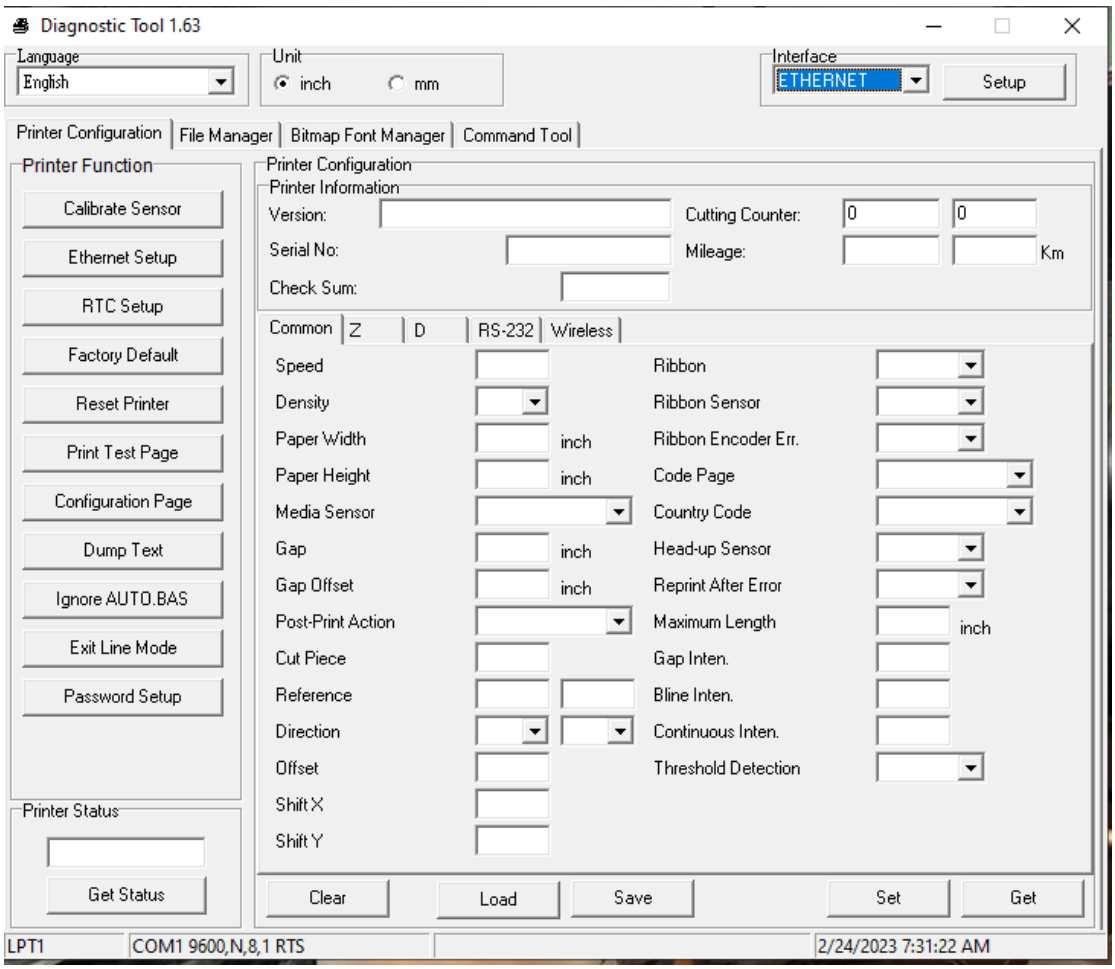
After installing your printer it will need to be calibrated to the size of the labels. Follow the steps below to calibrate:

1. Download the Diag Tool from the link below then unzip the file:
https://dl.waspbarcode.com/kb/printer/DiagTool_v1.63.zip

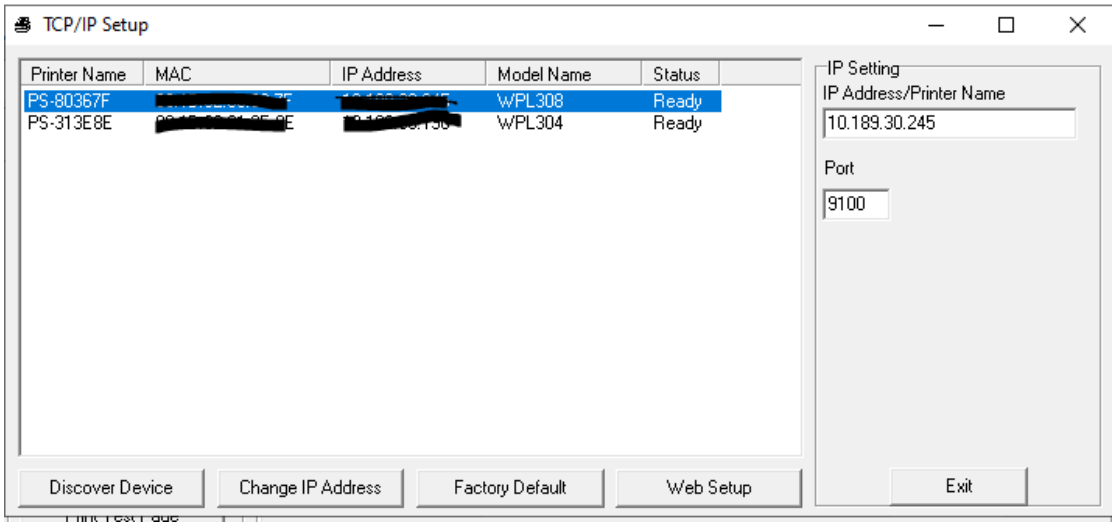
2. Once you have unzipped the file, run the Diag Tool.

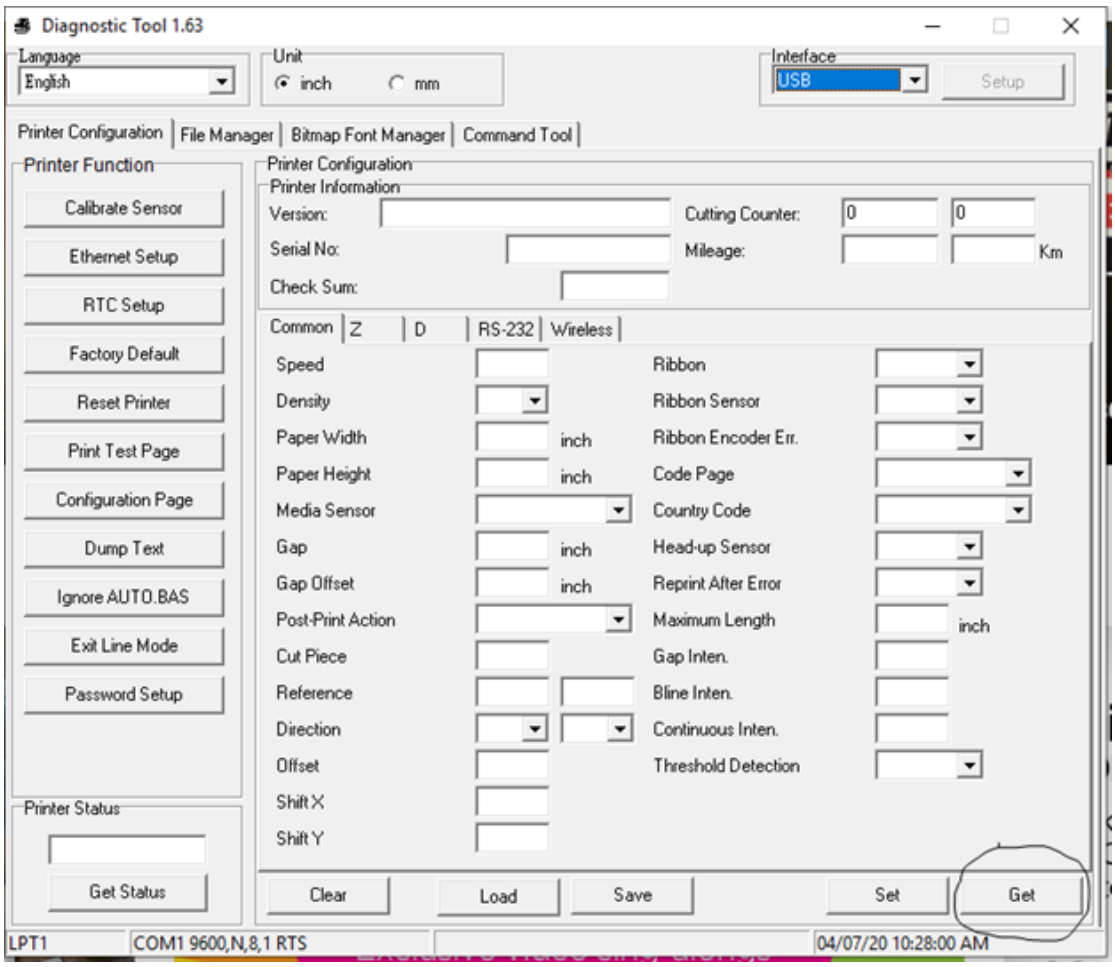


3. Click on the Get button in the bottom right corner. Don’t worry about the information that populates the boxes. If you are calibrating a network printer, change the interface box to Ethernet

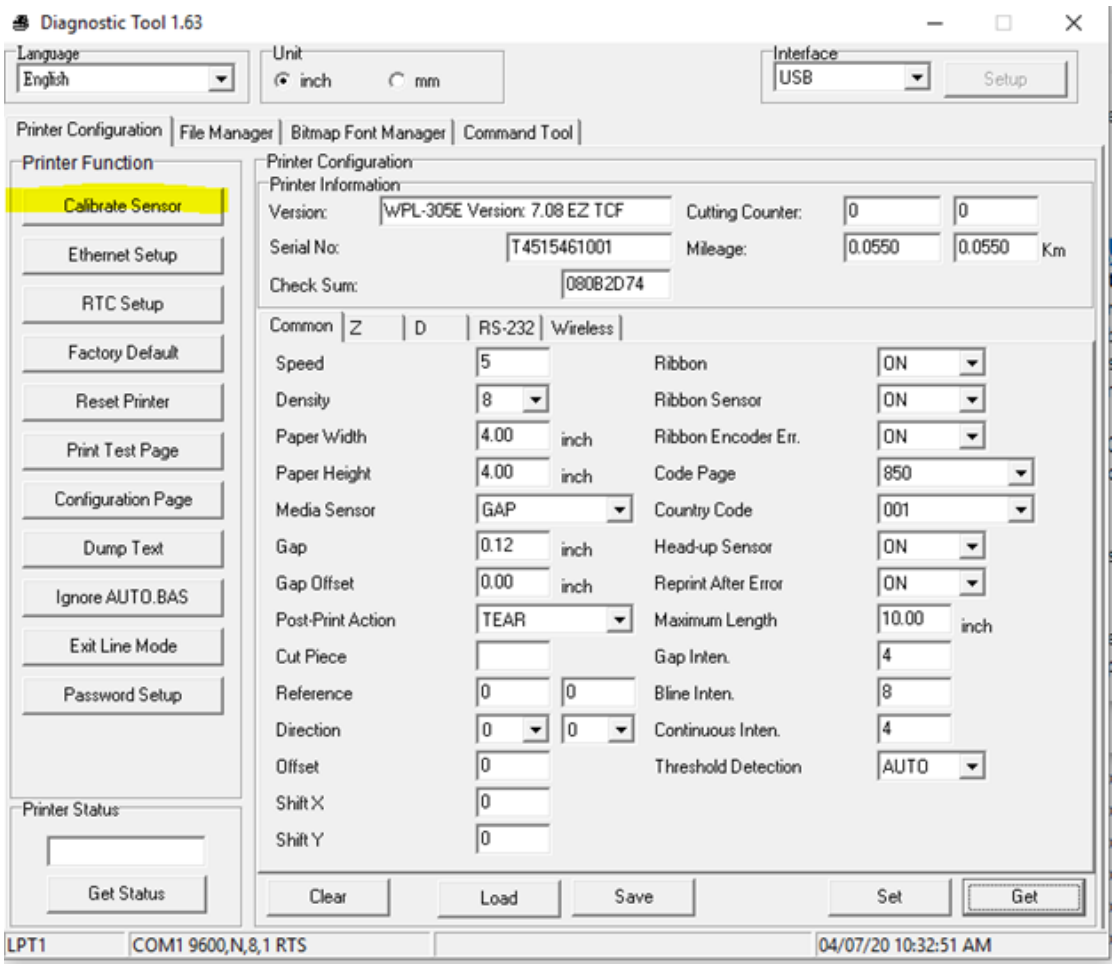


3a (Network) Click on Setup, you should see your printer listed. If not, click on Discover Device, if it's listed click on it to highlight, then exit.

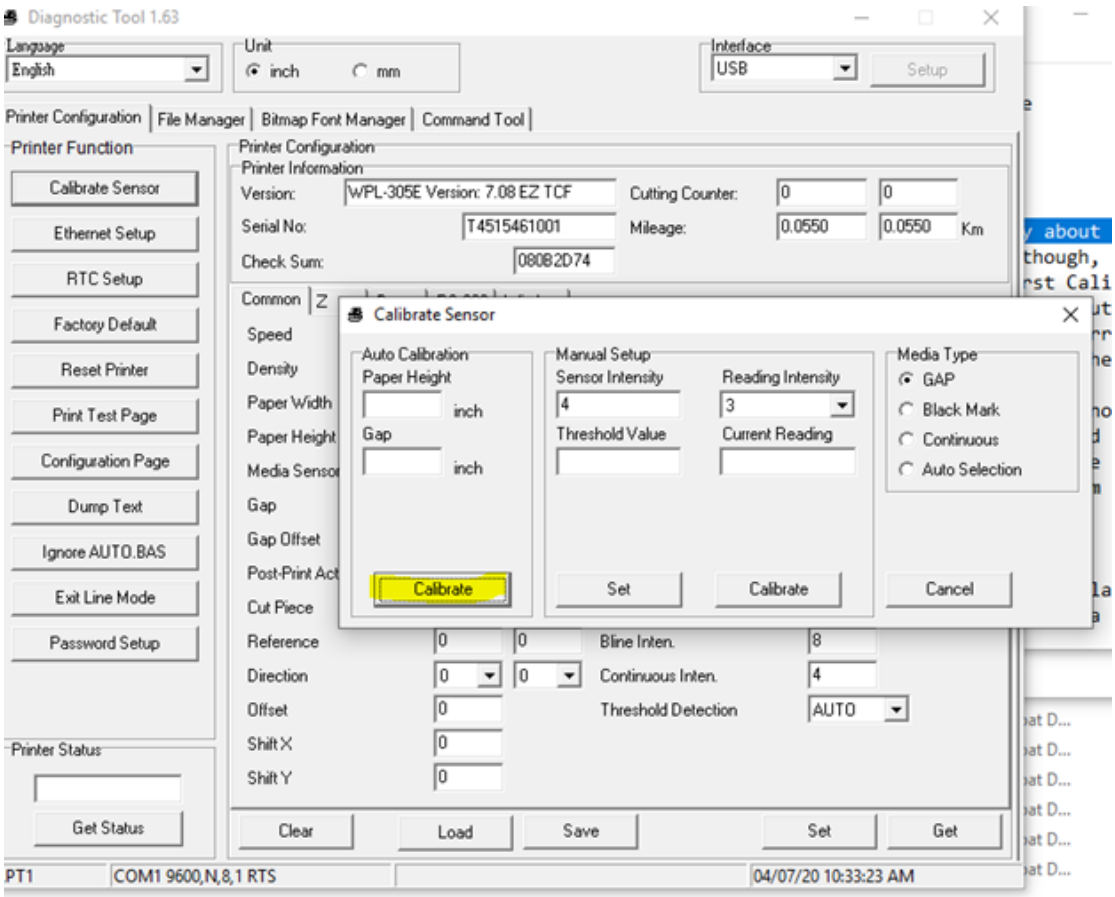




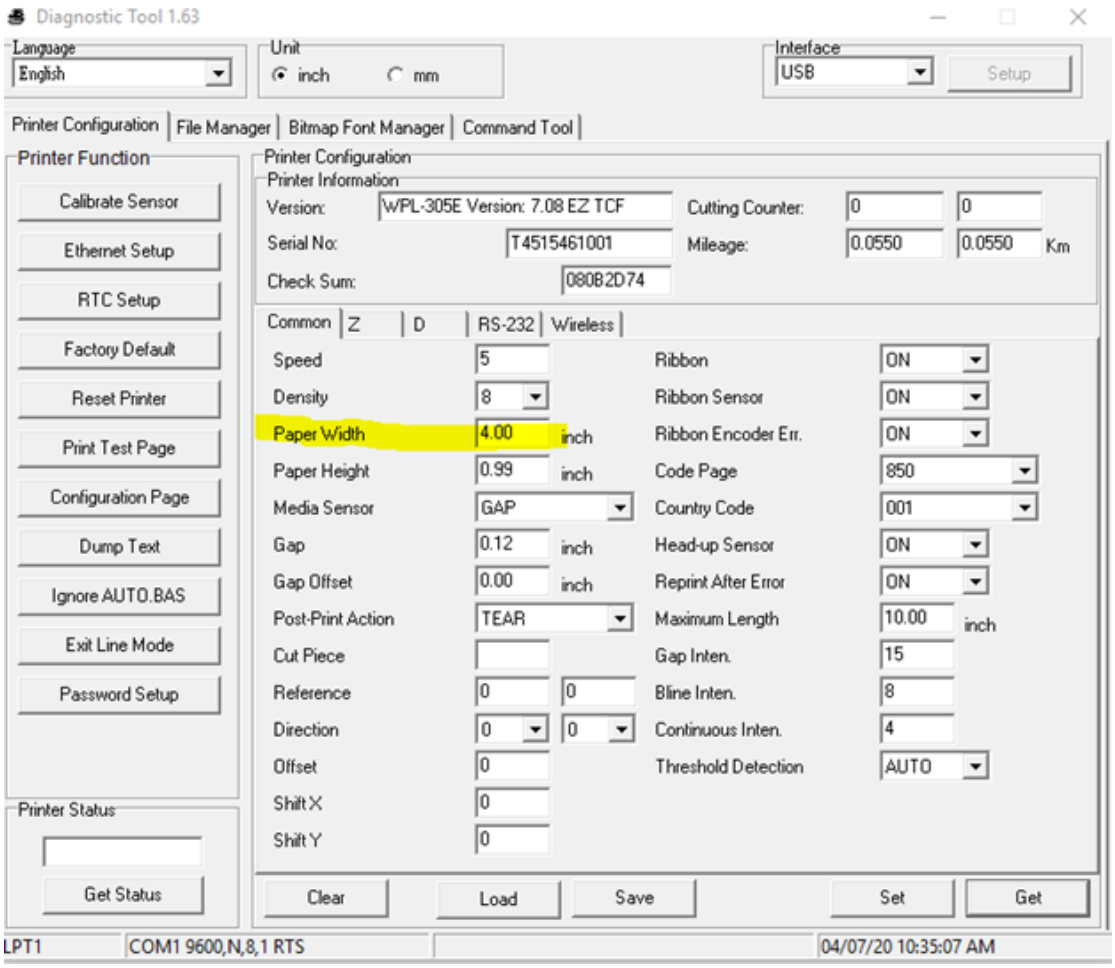
4. Click on the Calibrate Sensor button on the left.



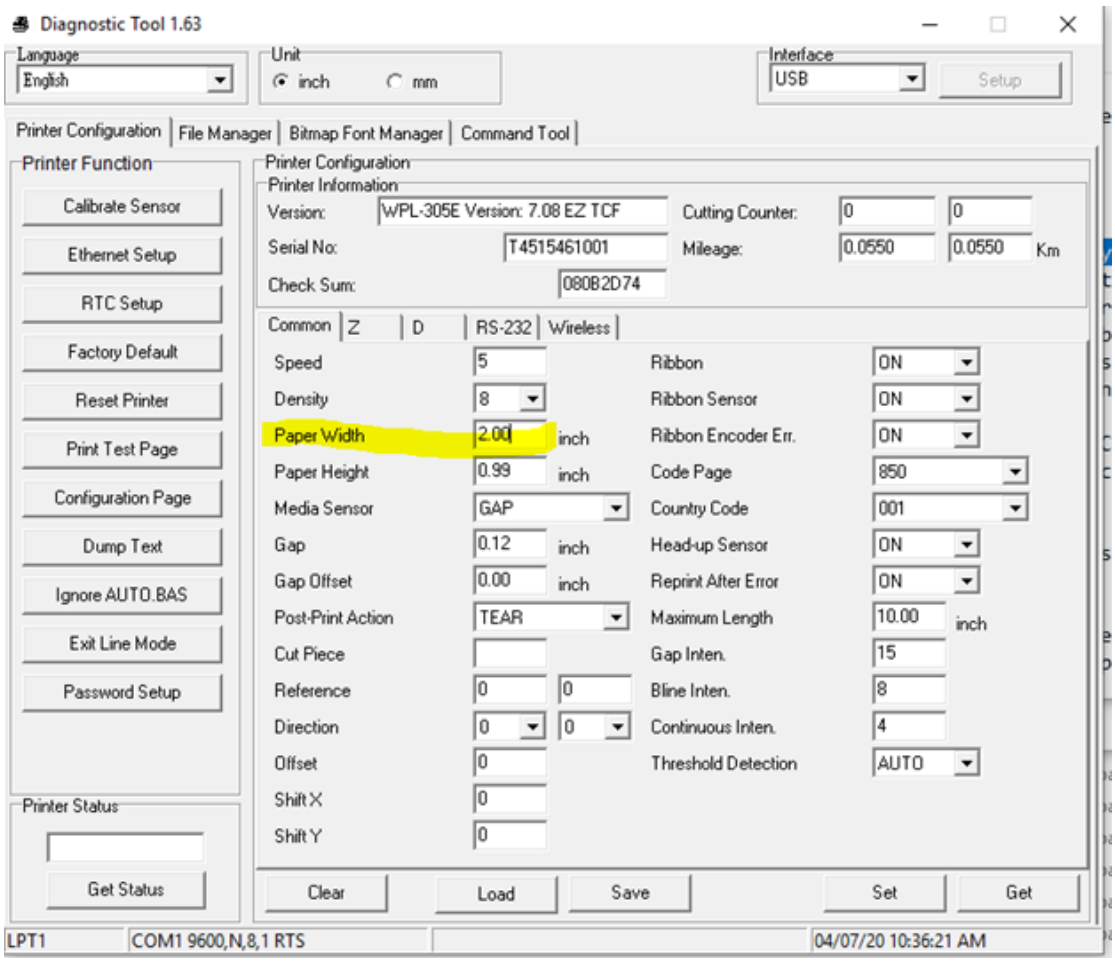
5. Click on the first Calibrate button at the bottom left:



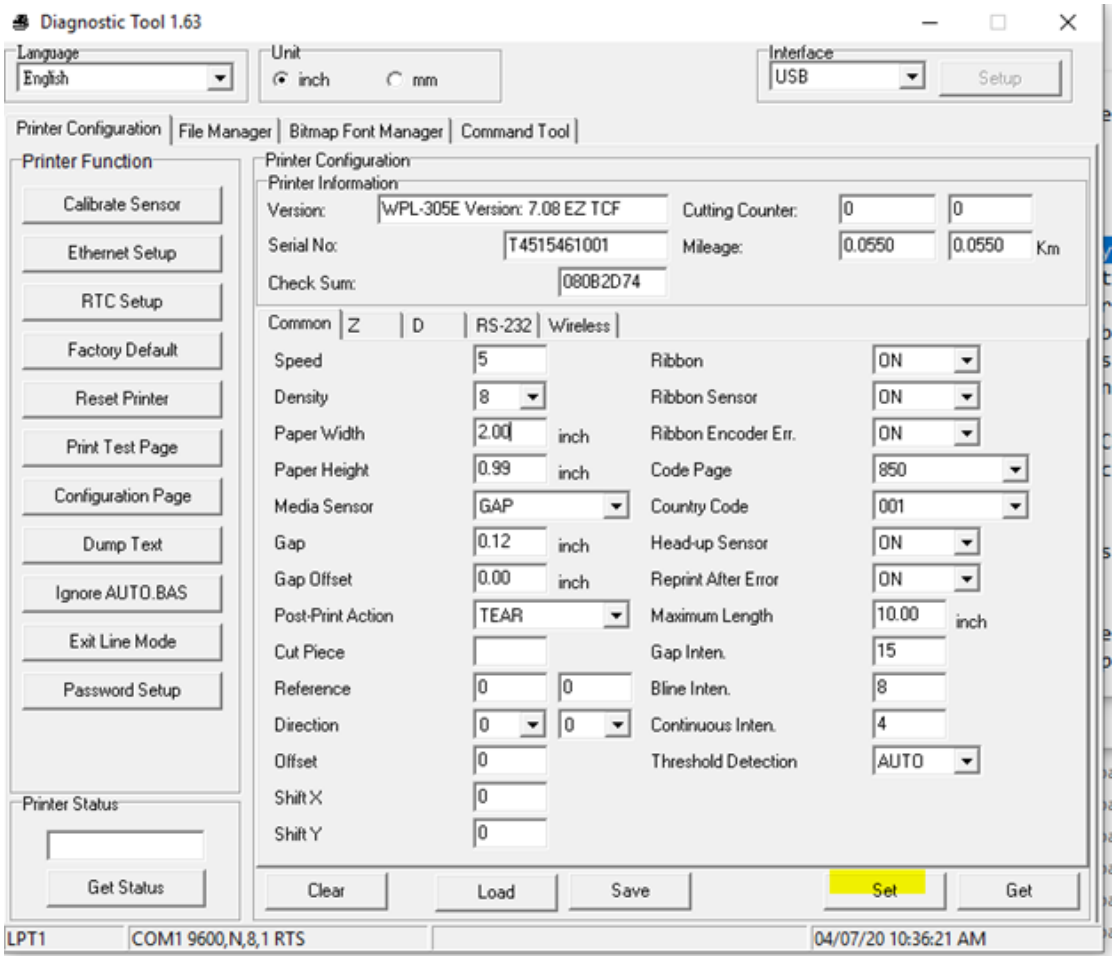
6. It should feed out 2 to 3 labels. Click on Get again. This time Look at Paper Width. By default it will be 4.00. Change this to match your label size.



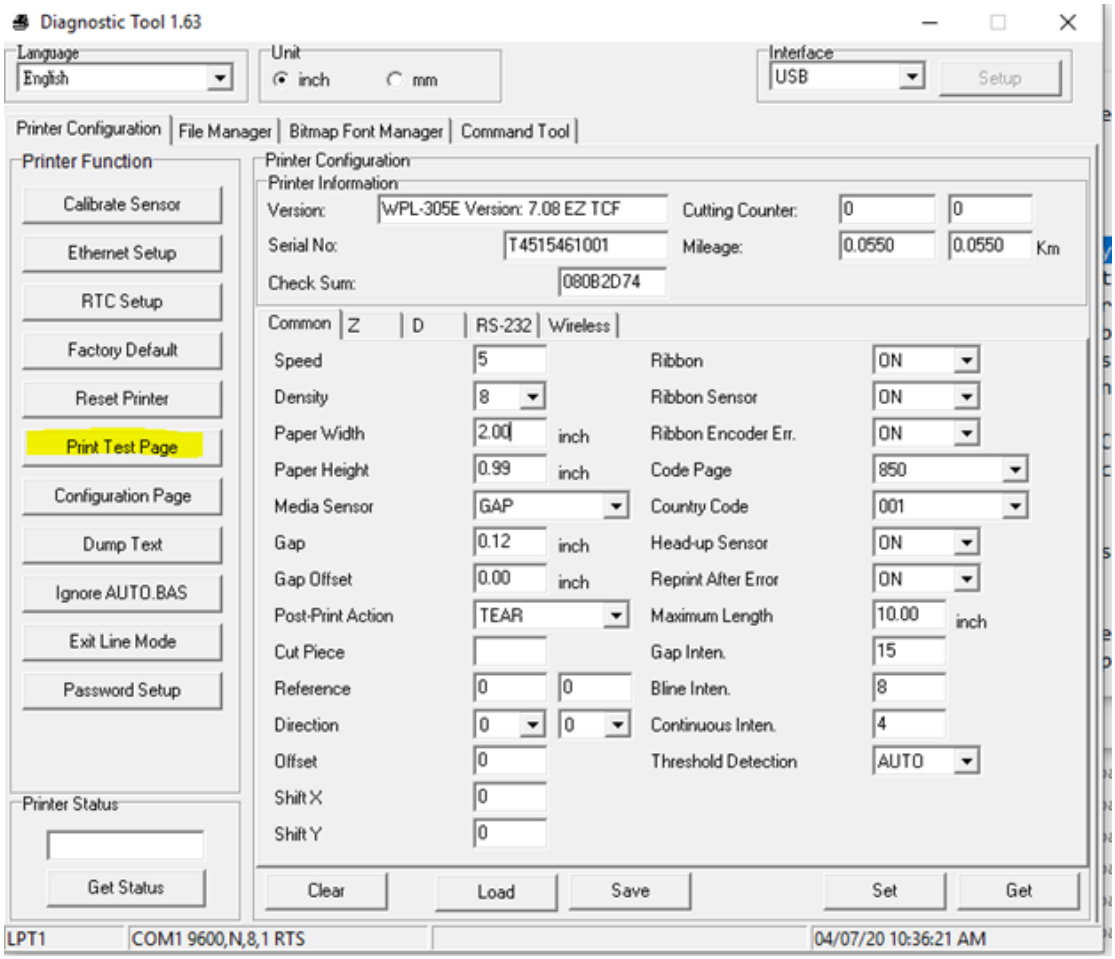
7. Change this to match your label



8. Click on Set in the bottom right.



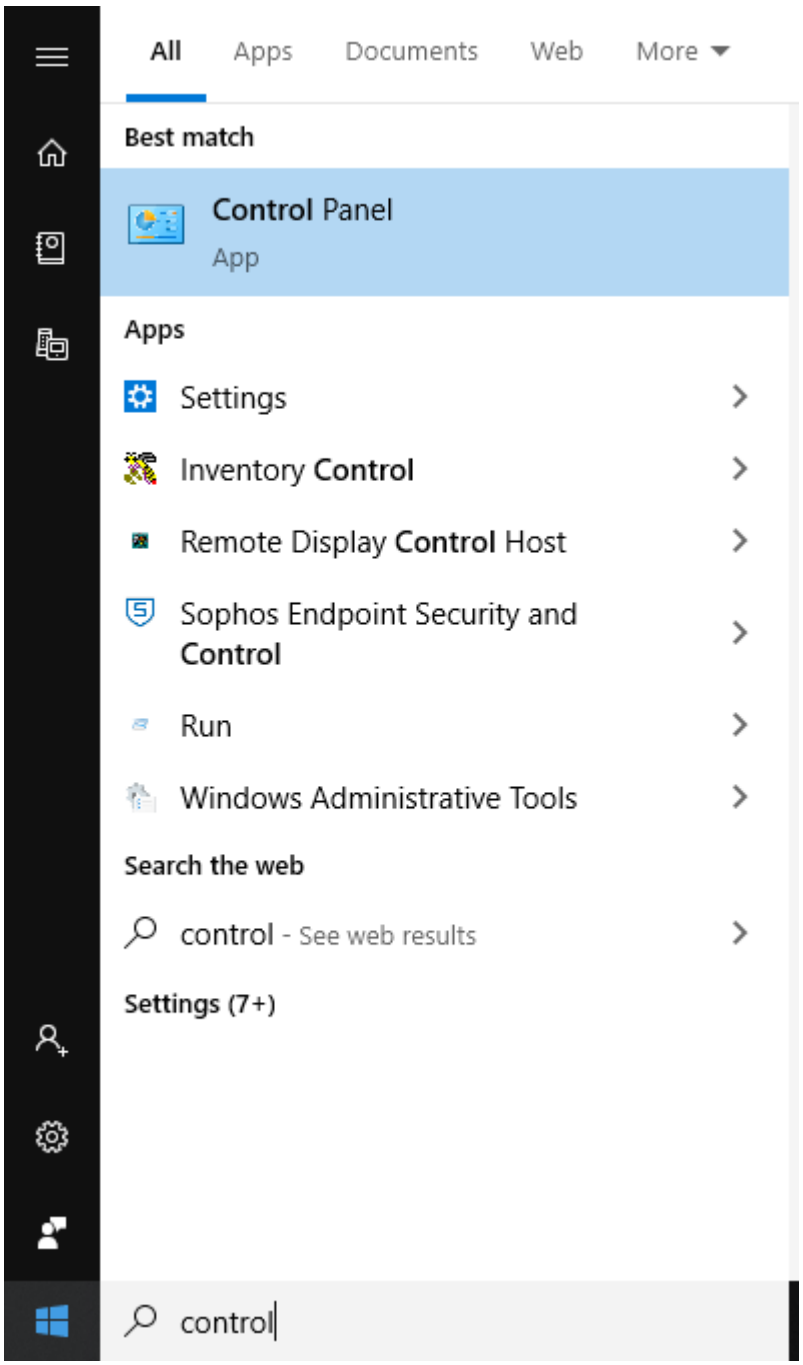
9. Click on Print Test Page on the left. It should print correctly on only a single label.

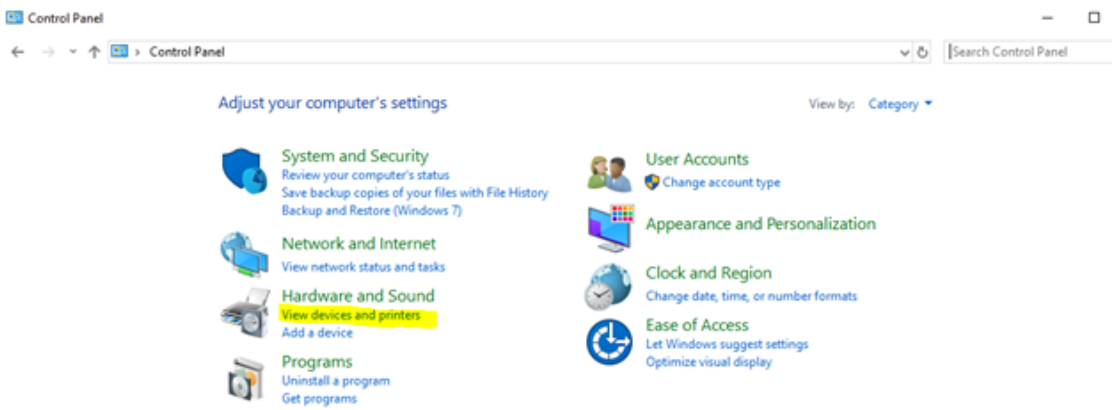


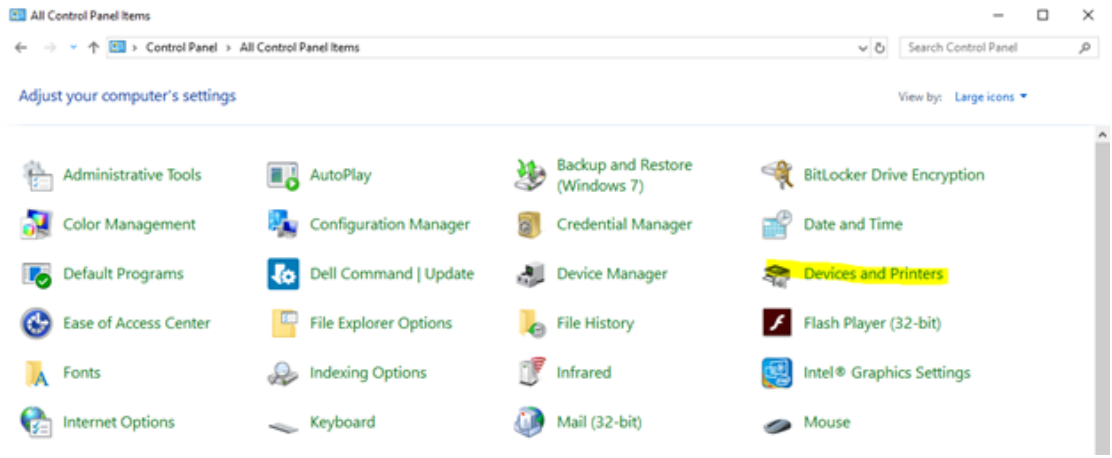
Changing driver settings

Once it has been calibrated you will need to set your driver size.

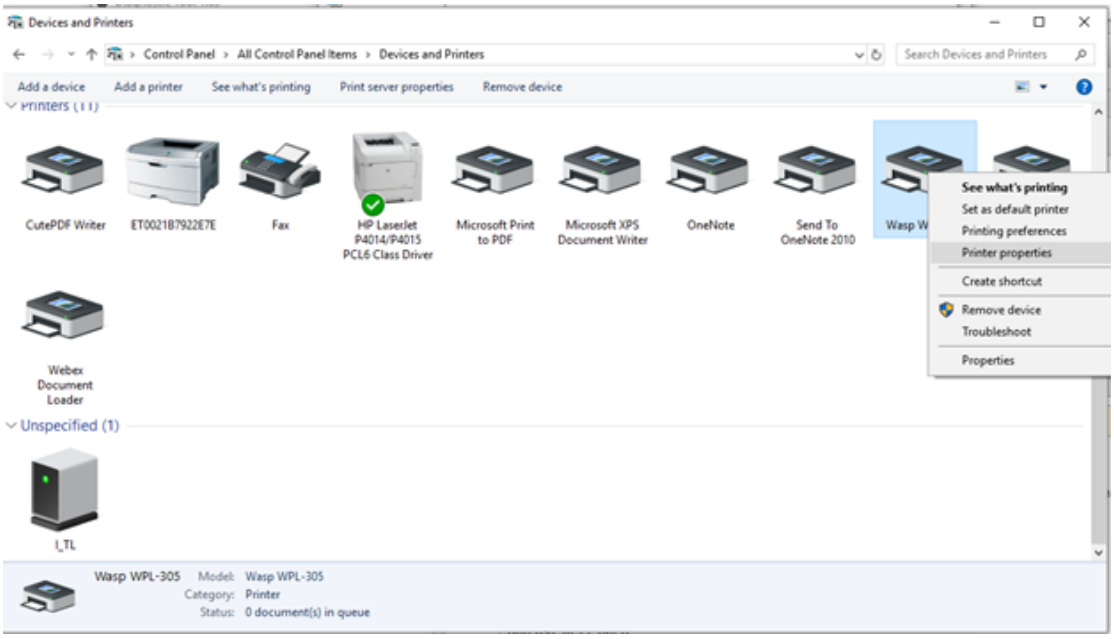
1. Open the Control Panel on your computer. (Do not use Windows Settings as this does not allow you to change the printer's default settings.)


All
Apps
Documents
Web
More
Best match
Control Panel
App
Apps
Settings
Inventory Control
Remote Display Control Host
Sophos Endpoint Security and Control
Run
Windows Administrative Tools
Search the web
control - See web results
Settings (7+)
control

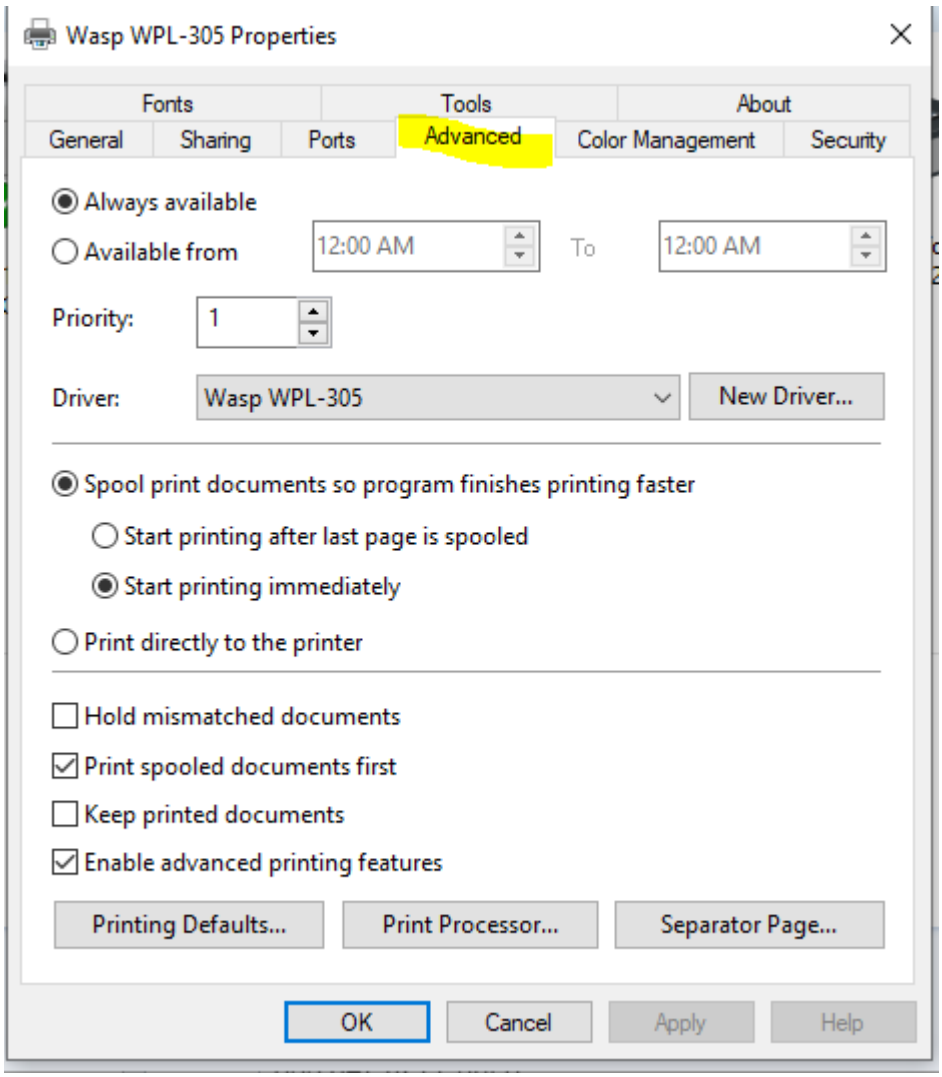

Control Panel
Control Panel
Search Control Panel
Adjust your computer's settings
View by: Category
System and Security
Review your computer's status
Save backup copies of your files with File History
Backup and Restore (Windows 7)
Network and Internet
View network status and tasks
Hardware and Sound
View devices and printers
Add a device
Programs
Uninstall a program
Get programs
User Accounts
Change account type
Appearance and Personalization
Clock and Region
Change date, time, or number formats
Ease of Access
Let Windows suggest settings
Optimize visual display



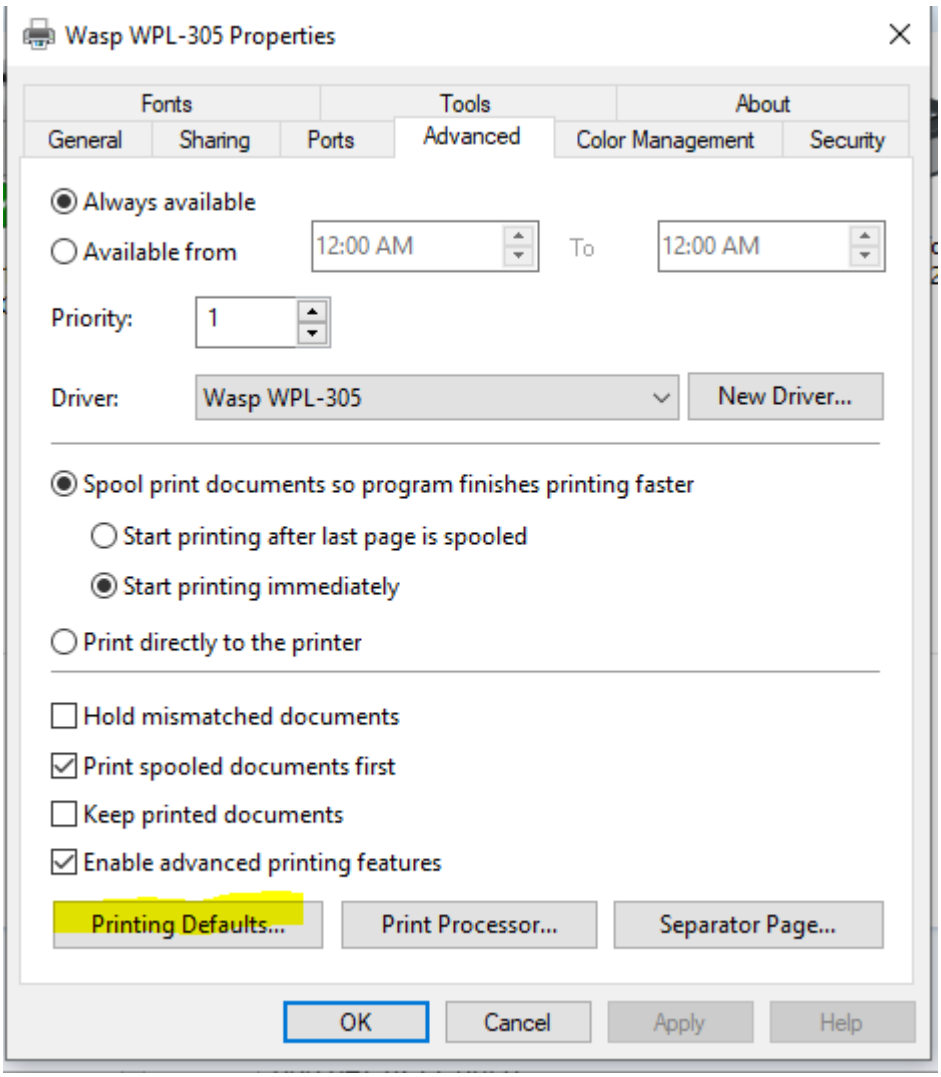
2. Find your printer and right click on the printer and choose Printer Properties (4th on the list)



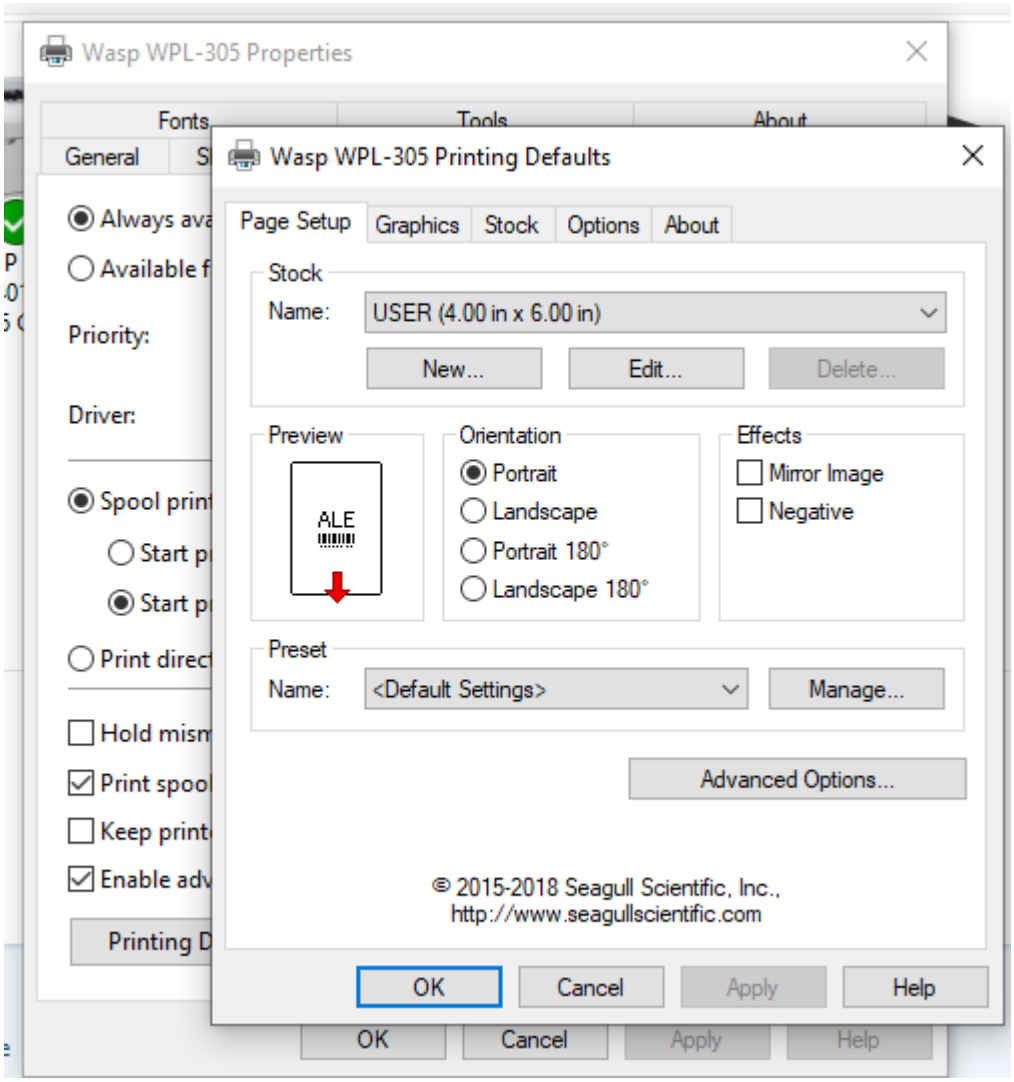
3. Click on the Advanced tab at the top of the screen

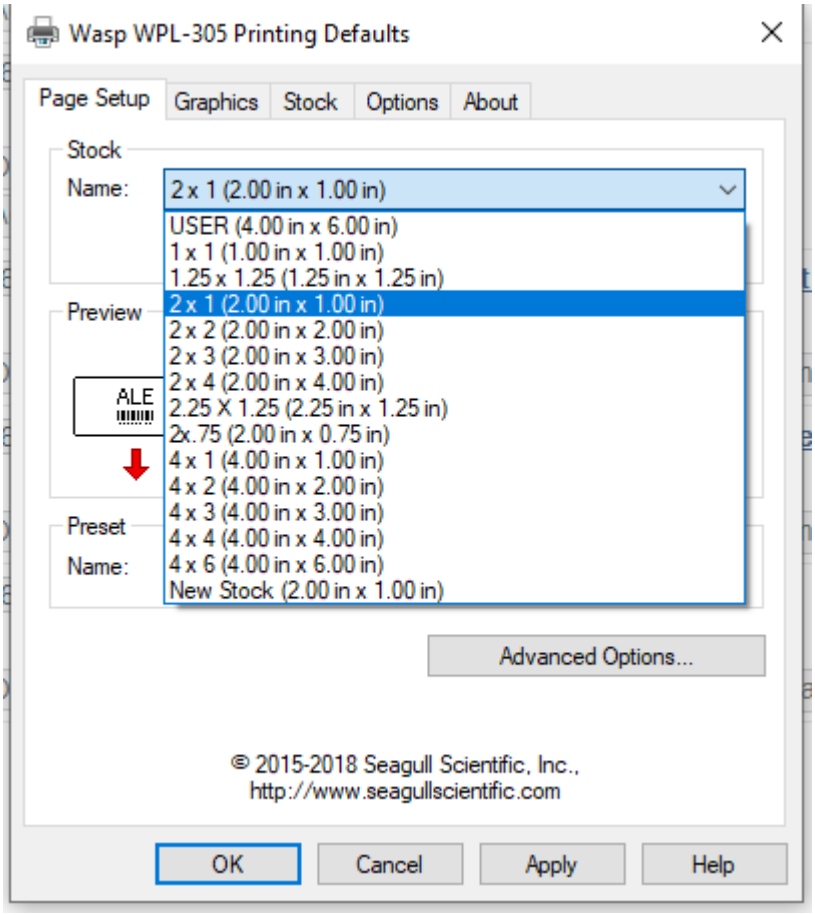


4. Click on Printing Defaults at the bottom of the screen

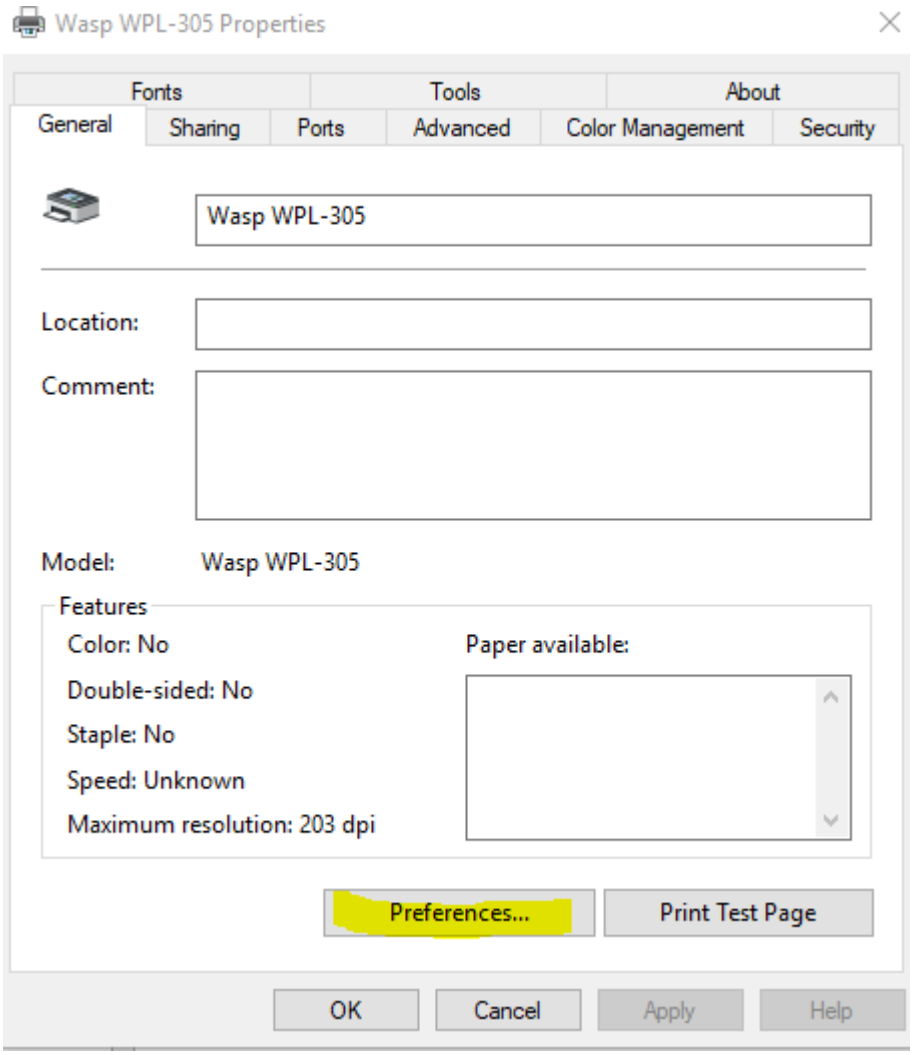


5. The first tab is Page Setup. Stock, the default is 4” x 6” click on the drop down box to change your label size.

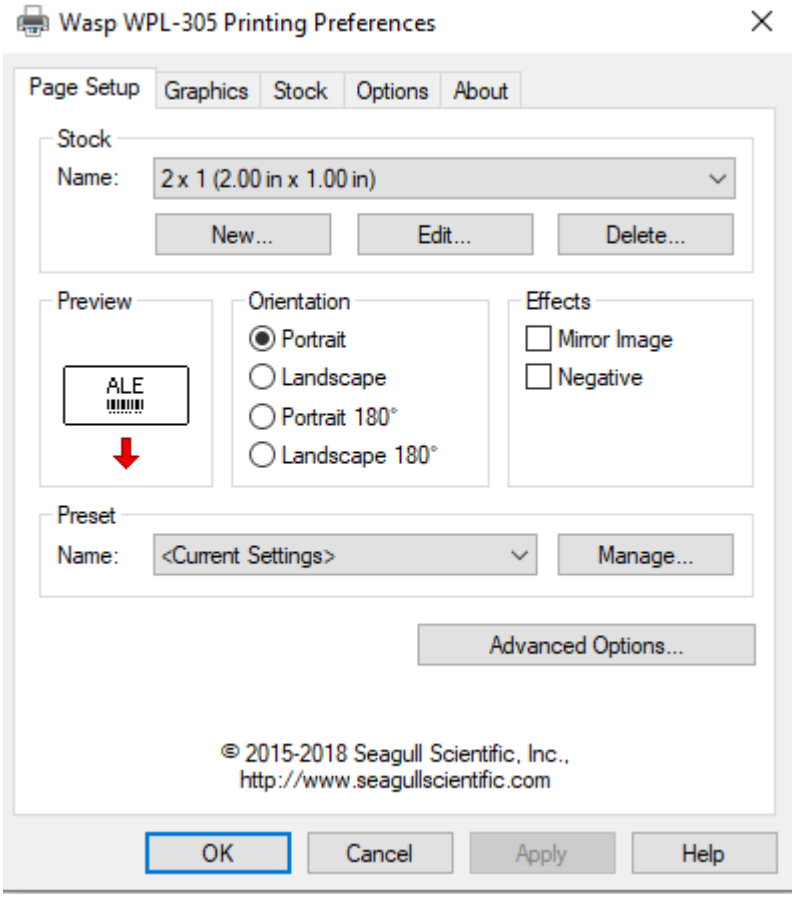

Wasp WPL-305 Properties
Fonts
Tools
About
General
Always ava
Available f
Priority:
Driver:
Spool print
Start p
Start p
Print direct
Hold misn
Print spool
Keep print
Enable adv
Printing D
OK
Cancel
Apply
Help
Wasp WPL-305 Printing Defaults
Page Setup
Graphics
Stock
Options
About
Stock
Name:
USER (4.00 in x 6.00 in)
New...
Edit...
Delete...
Preview
ALE
Orientation
Portrait
Landscape
Portrait 180°
Landscape 180°
Effects
Mirror Image
Negative
Preset
Name:
<Default Settings>
Manage...
Advanced Options...
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http://www.seagullscientific.com
OK
Cancel
Apply
Help



6. Once you have selected your label size click Apply, then OK. Click on the General tab and then click on Preferences.



7. Make sure your label size is correct



If it's not correct, change it to the correct size and click Apply then OK. Once you click OK it will take you back to the General tab. Click on Print Test Page. It should print one label.

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Below is the full list of printers supported by this driver (sorted by number). All entries are for the standard 203 DPI print head, unless otherwise specified.

WPL4MB

WPL4ML

WHC25

WPL25

WPL-204

WPL-205

WPL206M, WPL206U

WPL-303

WPL304

WPL-305 (includes WPL305E)

WPL308

WPL308-300 (300 DPI print head)

WPL308-600 (600 DPI print head)

WPL406

WPL408

WPL-604

WPL-606

WPL-608

WPL-608-300 (300 DPI print head)

WPL-610

WPL-610-300 (300 DPI print head)

WPL612

WPL612-300 (300 DPI print head)

WPL612-600 (600 DPI print head)

WPL614

WPL614-300 (300 DPI print head)

WPL614-600 (600 DPI print head)

WPL614M

WPL618

WPL618-300 (300 DPI print head)

WPL618-600 (600 DPI print head)

WPL-644 (600 DPI print head for WPL608, WPL610, WPL612)

Related Content

- Printer User Manuals, Programming Reference Guides, Quick Reference Guides, Quick Start Guides (multiple models)
- WPL308 Printer Resources
- Wasp WPL Label Printer Installation & Troubleshooting
- Wasp label printer is not displayed in Devices and Printers (Windows 10 and Windows 8). I can print to it, but the label size is incorrect.
- WPL Print Driver Removal via Registry. Driver Wizard says it completed, but the "completed successfully" list is empty and no printer is actually installed.
- WPL612 600dpi Printer Driver
- WPL Label Printer: Installing driver to a network printer
- WPL612 WPL610 WPL608 Printer Resources
- WPL305 Printer Resources
- Printer Programming Manuals: WPL, ZPL, EPL
- W600 and W300 driver DT/TT
- Do Wasp's WPL printers support ZPL or EPL commands?