
PTLab User Manual

Overview

Manual Input

Barcode Input

LIS Integration

Managing Slide

Managing Hoppers (Cassette Printer)

Job Queue and Pending Queue

Settings and Preferences

Slide Printer Settings

Cassette Printer Settings

Table of Contents

Section 1: Overview.....	4
Section 2: Manual Input	6
Section 3: Scan a Barcode	10
Section 4: LIS Integration (PTLab PE Only).....	13
4.1 Install PTLab Professional Edition	13
4.2 Format Data from LIS	14
4.3 Watch Folder Location	16
4.4 Set Default Templates PTLab.....	17
4.5 Set Integration (LIS) Routing Settings	19
Section 5: Managing Slides	21
5.1 Slide Levels	21
5.2 Set the Slide Type on a Slide Cartridge (Slide Printer)	23
Section 6: Managing Hoppers (Cassette Printer – Autoloader)	25
6.1 Programming Hopper Descriptions	25
6.2 Cassette/Hopper Type Mismatch	27
Section 7: Job Queue and Pending Jobs	28
7.1 Current Jobs Queue	29
7.2 Completed Jobs	29
Section 8: Settings and Preferences	30
8.1 Integration (Parsing)	30
8.2 Integration (Routing & Queue).....	32
8.3 General Settings.....	33
8.4 Plugin Settings (Visible only with PE version).....	33
8.5 Template Settings	34
8.6 Check for Updates.....	35
8.7 Support.....	35
8.8 More Settings	36

Section 9: Slide Printer Settings	37
9.1 Slide Printer Slide General.....	37
9.2 Slide Printer Print Alignment.....	39
9.3 Slide Printer Heat Settings.....	39
9.4 Slide Printer Status Info.....	40
9.5 Setup and Print to Multiple Printers.....	41
9.6 Printing to Multiple Slide/Cassette Printers.....	43
Section 10: Cassette Printer Settings	44
10.1 Cassette Printer General Settings.....	44
10.2 Cassette Printer Hopper Selection.....	44
10.3. Cassette Printer Autoloader General.....	45
10.4. Cassette Printer Print Alignment	45
10.5 Cassette Printer Heat Settings.....	45
10.6 Cassette Printer Info	46

Section 1: Overview

PTLab works with Signature Cassette Printer, Signature Cassette Printer EVO, Autoloader, Autoloader EVO, Signature Slide Printer, and Signature Slide Printer EVO. Below, PTLab is shown with a Slide Printer connected.

Pending Jobs /
Finished Jobs **Print Preview** **Settings** **Scanner Status**

Create or Edit Templates (points to 'Open PPTemplate' button)

Browse for Templates (points to 'SampleTemplate1' dropdown)

Print a Slide (points to 'Print' button)

Ribbon Level (points to '5036 Prints Remaining')

Slide Level (Click to Reset) (points to '17 Slides Remaining Slide Type 1')

Current Template (points to 'SampleTemplate1' dropdown)

Routing for Multiple Printer (points to 'Selected Printer' dropdown)

Printer Settings (Heat, Alignment) (points to 'Slide EVO Ready' status)

Slide Type Display (points to 'Template Slide Type 1')

PTLab with a Cassette Printer – Autoloader connected (Only differences are noted)

Visual representation of cassette

Template Designed specifically for size 1 cassette

The screenshot shows the 'Queue' window in the Primera PTLab SE software. On the left is a visual representation of a cassette. The main area displays a print job for 'Sample1_45° face angle_square ends' with fields for Accession (1234567890-1), Patient (ANDERSON DAVID E), and Tissue (BRE). Below these are controls for 'Size 1 Offset' (0), 'Cassette Style' (White), 'Routing Behavior' (Selected Printer), and 'Number of Prints' (1). A 'Print' button is on the right. At the bottom, a status bar shows '4400 Prints Remaining', '26 Cassettes Remaining' in 'Hopper # 1' with 'Cassette Style White', and 'Cassette EVO Ready (Ready)'. A 'Cassette EVO (Autoloader)' indicator is also present.

Current Hopper Level (Mouse over to see all hopper levels)

Cassette Size associated with current template (Edit template to change)

Hopper selection (Only Present when Autoloader is)

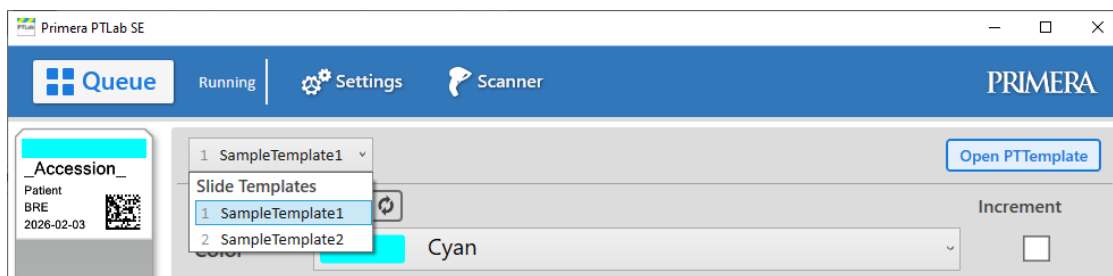
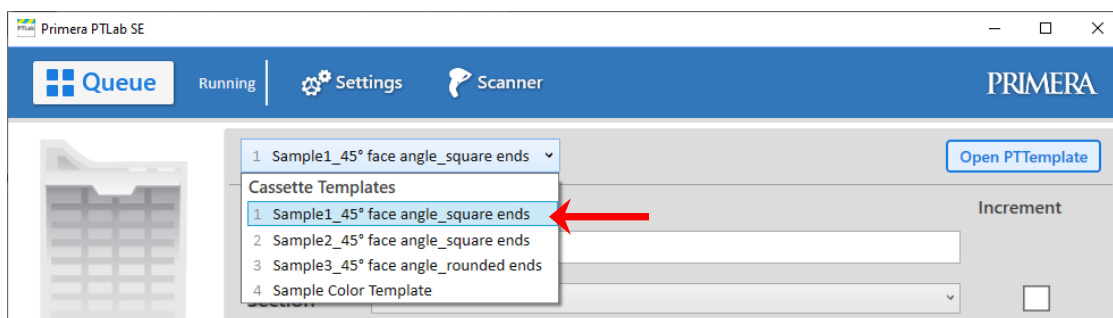
Indicates Cassette Printer (Autoloader is connected)

Section 2: Manual Input

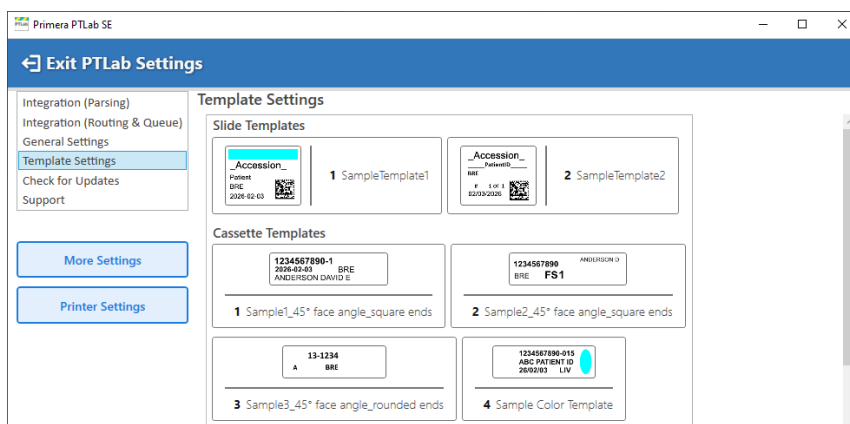
This is the least difficult data entry method to implement, but it still introduces the possibility of user errors. Enter the data by typing or by choosing from menus. The menu type, order, labels, and even the slide type are all customizable in the PTTemplate software.

The software comes preloaded with several template options. These options are meant to give you a sampling of the printer's capabilities. They are not necessarily suited for practical use. Before using the printer in a lab, you will probably want to edit an existing template or create a new one using the PTTemplate software (See the PTTemplate software manual).

To quickly choose a preloaded template, click the drop-down arrow to view recent templates. Choose one.



Previews of all available templates are visible in the settings – Template Settings.



Once you have selected the template, you must enter the information you would like to print.

1. For this example, SampleTemplate1.svg was selected. Choose a color swatch to be printed. (Color ribbon must be installed)

Name	Value	Increment
Color	Cyan	<input type="checkbox"/>
Accession	Cyan	
Patient		
Tissue	Black	<input type="checkbox"/>

2. Type the necessary information in the text fields that require manual input. The preview will update as you enter the information.

Name	Value
Color	Cyan
Accession	ACC-568948
Patient	John Smith
Tissue	BRE

ACC-568948
John Smith
BRE
2024-02-03

3. This template also includes three other automatic fields/features:

Increment Color or Tissue



Barcode

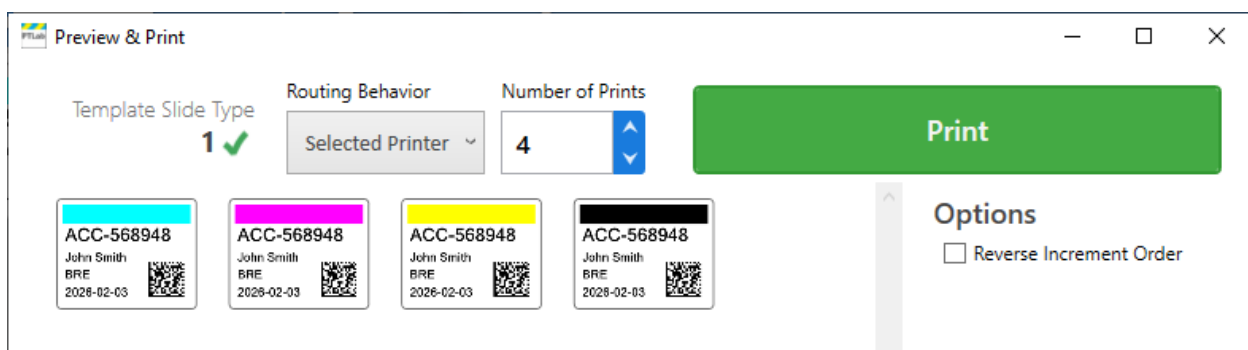
A barcode encoded with the Accession Number

Date

The current date will automatically be printed.

4. Checking the Increment box on either the Color or the Tissue will automatically increase the number of prints to match the number of increment possibilities set up in the template. In this case, we have four possible colors and six possible tissue types. If both are set to increment, there will be 24 possible combinations.

5. You will also see the Print button change to Preview & Print. Clicking Preview in print will show you what will print on each slide.

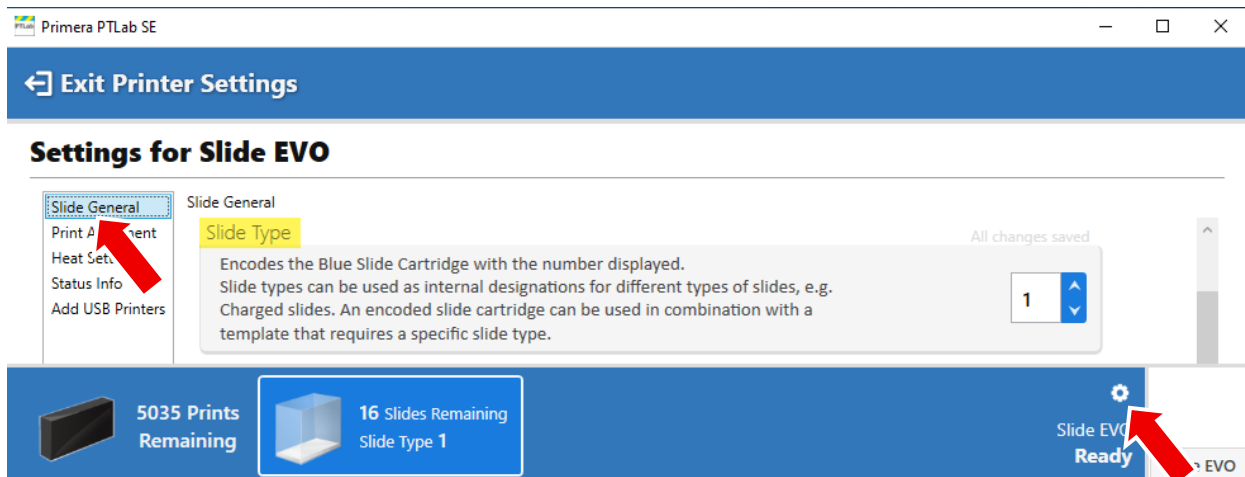


6. Finally, this template requires Slide Type 1. Slide type could be set to any number between 1 and 100 or removed entirely. Slide types can be used as internal designations in a lab for different types of slides, such as charged slides (See section 7.6). The slide type required is set in the template, but the slide type of the cartridge is set by the printer and read by the printer. If the required slide type is installed in the printer, you will see a green check mark next to the Slide Type display. Slide type is set in the printer settings – Slide General section. If it doesn't match, you will see a red X instead.

1 SampleTemplate1 Open PPTemplate

Name	Value	Increment
Color	Cyan	<input type="checkbox"/>
Accession	ACC-568948	
Patient	John Smith	
Tissue	BRE	<input checked="" type="checkbox"/>

Template Slide Type: 1 ✓ Routing Behavior: Selected Printer Number of Prints: 6 Preview & Print



There are many other template fields/features available to preview in the other preloaded slide templates. Any of the fields found in the other preloaded templates can be added to a custom template that you can create in the PPTemplate software.

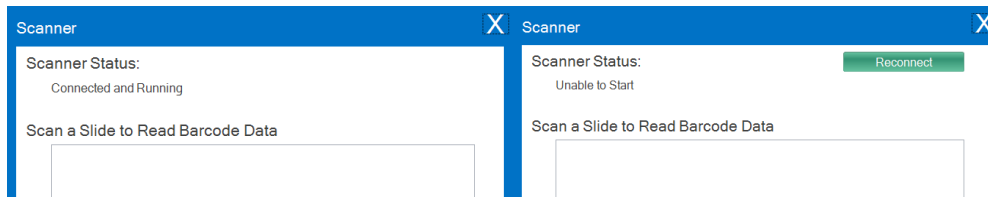
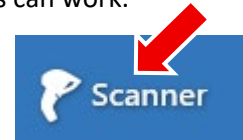
Section 3: Scan a Barcode

3.1 Overview (Sample / Demo Scan)

If the template supports it, you can scan an existing linear or 2D barcode using the optional scanner from another label. This will allow you to directly transfer all or part of the information on the label to the slide printer template. If all information to complete the template is present, you can either choose to automatically print the slide or send the job to the Pending Jobs queue.

If the scanned barcode contains the proper fields, the software can automatically choose the template needed, automatically adding the information to be printed, set a slide type (section 7.6), and even set the number of copies. Follow the instructions below to see an example of how this can work.

Connect your scanner and install the driver. Open PTLab. To verify that PTLab is communicating with your scanner, click the scanner icon at the top right part of your screen.

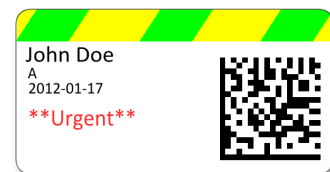


Scanner Status should report Connected and Running. If it cannot communicate, you will see an error message, and a “Reconnect” button will be present. Click “Reconnect”.

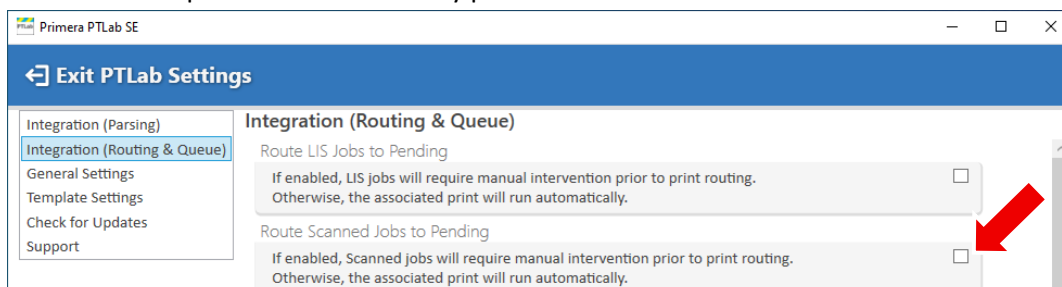
On this screen, you may also display the character string that is encoded from any scanned barcode. Simply scan the barcode, and the data string will appear.

Close this window before attempting a scan/print or scan/pending jobs operation.

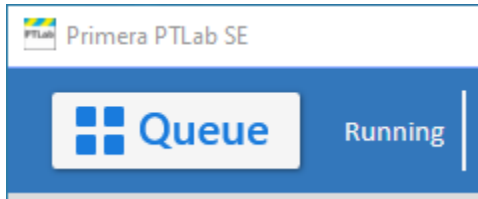
2. At any point while the software is open, simply scan a barcode to print its corresponding template or send the template to the pending jobs queue for review. The following sample label is preconfigured to automatically print or send it to pending jobs.



3. If “Route all scanned jobs to pending” is **unchecked**, in Settings – Integration (Routing & Queue) the associated template will automatically print the slide.

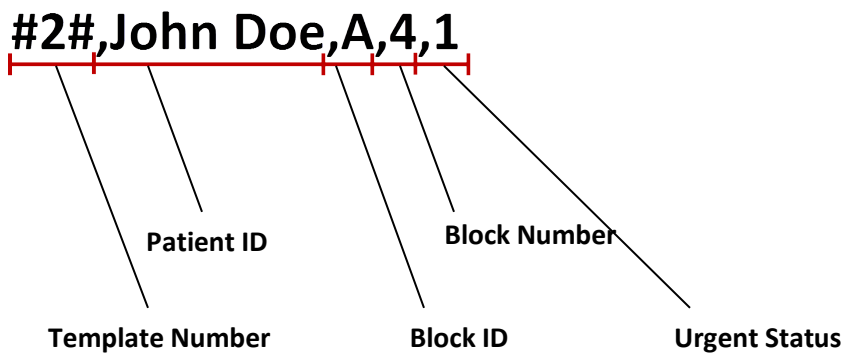


4. If “Move all scanned jobs to pending queue” is **checked**, the job will appear in the pending jobs queue. There, you can review the data, view the print preview, and print the job if approved. Find more information about the Queue in section 7.



3.2 Scanned Barcode Requirements

In the sample case described in the previous section, the printed barcode on the specimen label required that the barcode be encoded with the following data in the order shown. This is not a requirement for all templates. You can edit or create a template to accept data in the format of an existing 2D barcode that is currently being printed. This can be accomplished using the PTTemplate software.



3.3 Incomplete Templates

If the template has more or less input fields than are provided by the data string scanned in from the barcode, the job will automatically go into the Pending Jobs queue. This will be the case regardless of whether you have “Route all scanned jobs to pending” checked or unchecked.

The screenshot shows the Primera PTLab SE interface. At the top, a blue header bar contains a 'Queue' button with a red circle containing the number '1' and the text '1 Stalled Jobs'. A red arrow points to this button. Below the header, there is a 'Settings' button and a 'Scanner' button. A dropdown menu shows 'SampleTemplate2' selected. Below this, there is a section for 'Accession_' and 'PatientID'. The main area is divided into 'Current Jobs' and 'Completed Jobs'. In the 'Current Jobs' section, a job is shown with the ID '#2#John Doe,A,4,1' and the scanner 'Scanner_0'. A red box highlights the 'Needs Attention' status. A message box below the job reads: 'Found template for print job. Matched by specified template number. Number is 2, name is SampleTemplate2. The input fields available did not match the data provided. There were 4 data fields and the template has 3 input fields.' A red box highlights the 'Select New Template', 'Open PTemplate', and 'Cancel 1 Item' buttons. In the 'Completed Jobs' section, a job is shown with the ID 'UI_0' and the status 'Completed'. A text box on the right says 'Scanned data will be shown here if fields are missing.' Another text box at the bottom right says 'Extra Field not found in Barcode Scan Data'.

You may now choose to Select New Template which accepts more fields, Open PTemplate to edit the current template, or cancel the item.

If the barcode scanned is correct, it will immediately go into the queue and proceed to printing.

The screenshot shows the Primera PTLab SE interface. At the top, a blue header bar contains an 'Exit Queue' button. Below the header, there is a section for 'Current Jobs' and 'Completed Jobs'. In the 'Current Jobs' section, a job is shown with the ID 'John Doe' and the scanner 'Scanner_8'. The status is 'Printing'. A red arrow points to the 'Printing' status. The job details are: '1 Slides', 'Print job is in progress. 1 Slide remaining.', and 'Print job is still in the Windows queue.' In the 'Completed Jobs' section, a job is shown with the ID 'UI_0' and the status 'Completed'. The job details are: '1 Slides', 'Displaying job from last save.', and '1/30/2026 10:59:14 AM'.

Section 4: LIS Integration (PTLab PE Only)

Using the Professional Edition (PE) version of this software, your LIS system can send orders for printed slides/cassettes to the printer and print them with no user interaction at all. This capability requires the purchase of an upgrade to this software.

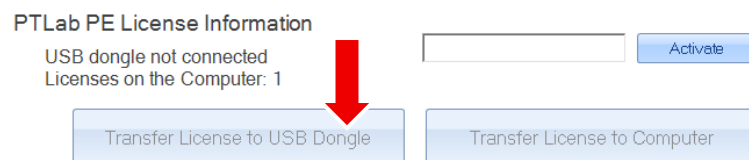
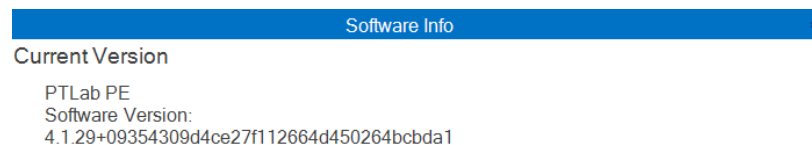
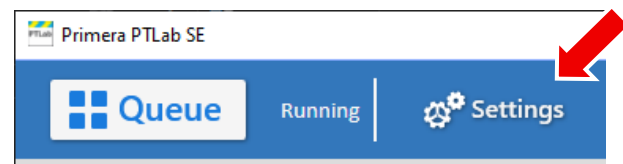
4.1 Install PTLab Professional Edition

1. If you were provided with an activation code, you may enter it with the dashes into the license box and click Activate.
2. If you were provided with a USB dongle, you will need to insert the Dongle into an open USB port. Once the software recognizes the dongle, it will automatically change to Professional Edition (PE)
3. The License file can be transferred to the computer by pressing the “Transfer License to Computer” button.

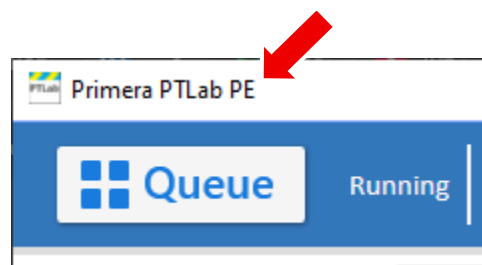


If you transfer the license to your computer, you don't need to keep the dongle plugged in, but you will need the dongle if you ever want to transfer the license to a new computer. Follow these instructions to transfer the license back to the USB Dongle.

1. Open PTLab. Click the Settings icon.
2. Click More Settings and then Software Info. Click Transfer License to USB Dongle. Once complete, you will receive a message if successful. Pro features will now be disabled in PTLab.



Note: PTLab PE Features will be enabled as soon as the dongle is connected. The name of the software in the upper left corner will change to “PTLab PE”



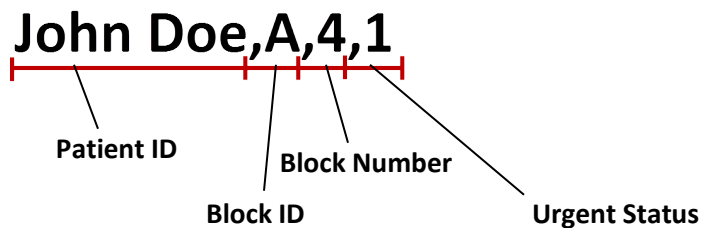
4.2 Format Data from LIS

Configure your LIS to place an ANSI or UTF-8 text file that contains the data you would like to print, into the Watch folder. If PTLab PE is installed, the software will immediately recognize the file, process it, and then delete it.

Data Format

- ANSI or UTF8 (.txt file)
- Other file types accepted: CSV, XLS, XLSX,
- Comma-delimited fields (Other delimiters can be used if they are set up in Settings)
- Each new record (patient) on a new line (separated by carriage return)

Example data:



Note: If you need multiple copies of the same slide/cassette printed you may drop the same text file in the watch folder multiple times or set your print template to accept a “number of copies” field.

Special Fields - Add these fields to your data string to designate which printer, templates or hoppers should be used.

<p>!,</p>	<p>Print on Cassette Printer –Manual. Precede all data in the string with this character followed by a comma to use the manual cassette printer.</p> <p>Example data: !,John Doe,A,4,1</p>
<p>!Cassette Style!,</p>	<p>Print on Cassette Printer – Autoloader. Set Cassette printer to pick cassettes from the designated hopper based on the cassette style set. First, hoppers need be assigned a style description. (See Section 6).</p> <p>Cassette Style = 1-16</p> <p>Example data: !7!,John Doe,A,4,1</p>
<p>#Number#</p>	<p>Set Template Number. Set data to use a specific template number. Template numbers are set in the PTTemplate software. If this is set, the designated template is chosen no matter which printer is currently connected.</p> <p>Number = 1 - ?</p> <p>Note: Use for Slide Printer or Cassette Printer.</p> <p>Example data: #2#,John Doe,A,4,1</p>

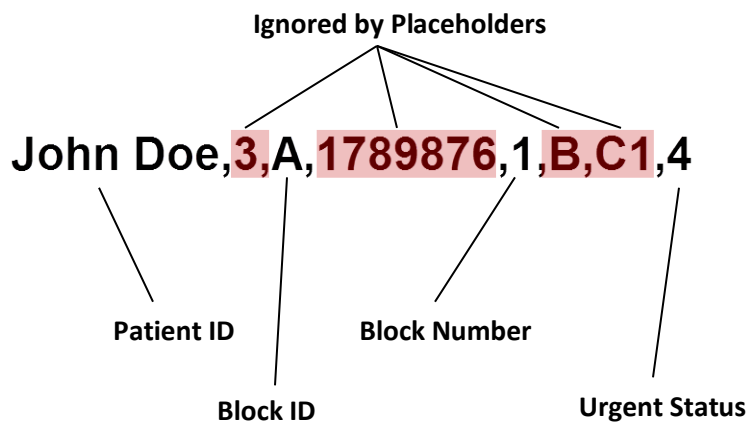
No Special	Use Slide Printer. To use the slide printer no special characters are necessary. If the Slide Printer is connected, the default template will be used.
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Ignore data fields

Ideally, the file should include ONLY the data you would like to print. However, the print template can be configured to ignore fields in the text file that do not need to be printed on the slide. Use placeholders in your template - Input/Output fields section to ignore fields you do not intend to print. See section 5 of the PTTemplate manual.

Each text file can represent one unique slide/cassette, or you may separate each record with a carriage return to print one slide/cassette for each record in the same file.

Example Data String with extra data that should be ignored in RED

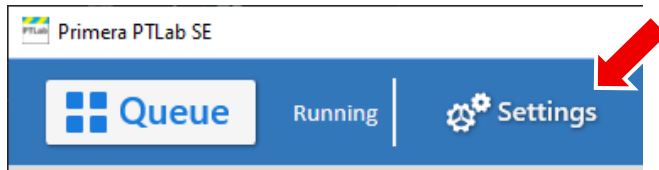


4.3 Watch Folder Location

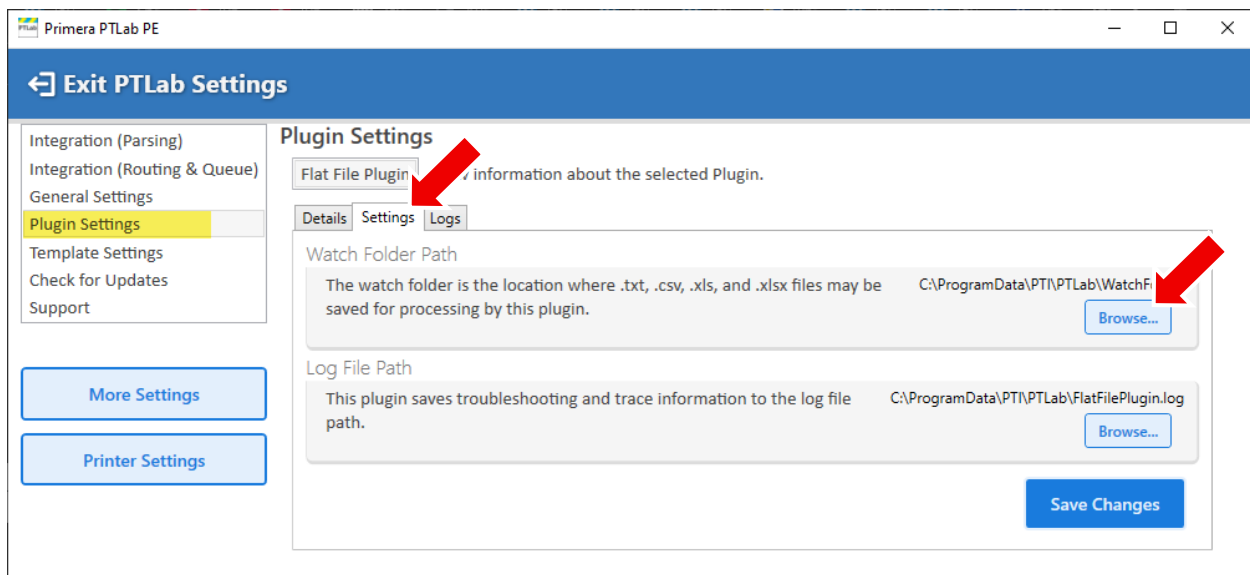
By default the watch folder is located at C:\ProgramData\PTI\PTLab\WatchFolder\

You may change the watch folder to any other folder accessible by the PC running PTLab. You will need to have full read/write permissions for the selected folder as PTLab will delete the data strings as it processes them.

To change the watch folder, click on the Settings button.



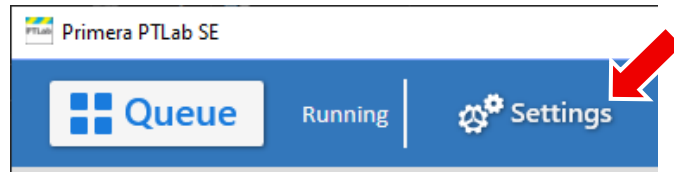
Click on Plugin Settings – Settings Tab. Browse to the new watch folder location.



4.4 Set Default Templates PTLab

When PTLab detects data in the watch folder, it needs to determine what to do with it. You will need to set the default templates to use for both slide and cassette printers. The appropriate default template will be chosen depending on which printer is connected. For example, if the cassette is the only printer connected, PTLab will send the data to the default LIS cassette template unless a specific template has been designated using the special field format described in the previous section.

1. Connect the Cassette printer or Slide printer. Different templates will appear depending on which printer is connected.

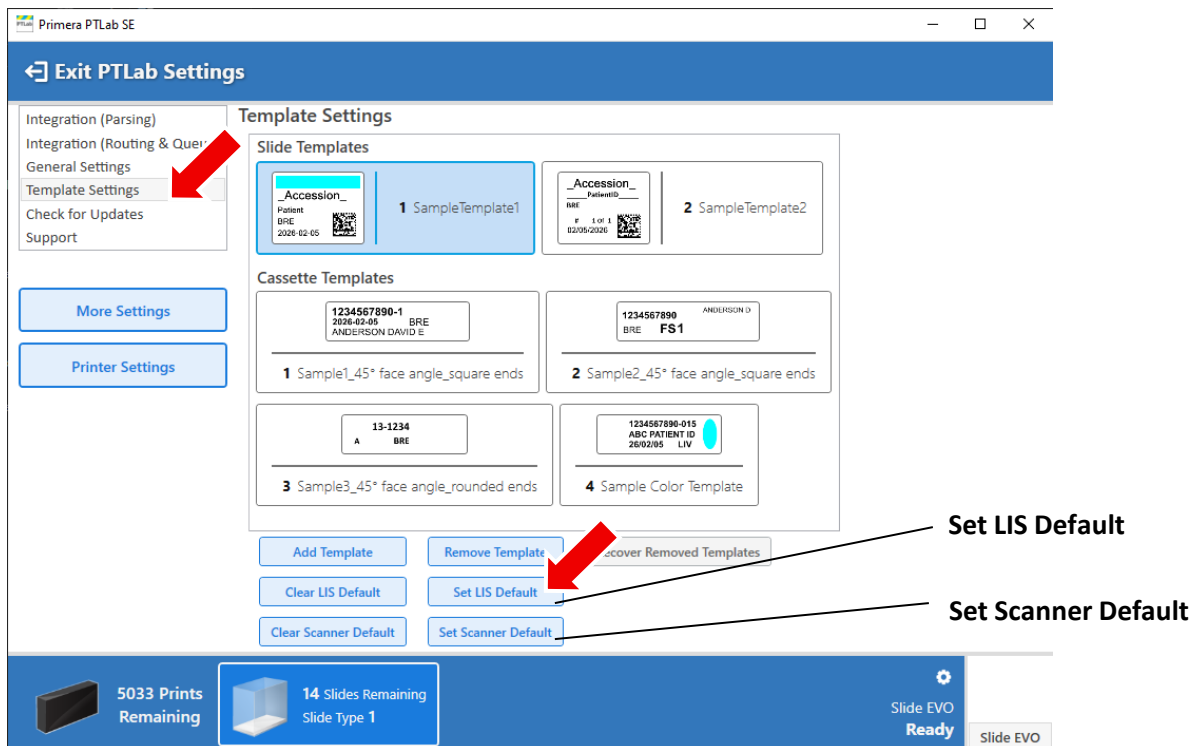


2. Open PTLab.

3. Go to the Settings icon.

4. Click the Templates Settings Menu. Select the template you would like as your default and click “Set LIS Default”

Note: You must first create and export the template you will use in PTTemplate. Be sure to add input/output fields that correspond to the text file you place in the watch folder.



Integration (Parsing)
Integration (Routing & Queue)
General Settings
Template Settings
Check for Updates
Support

More Settings
Printer Settings

Template Settings

Slide Templates

<p>1234567890-1 2026-02-05 BRE ANDERSON DAVID B</p>	1 SampleTemplate1	<p>1234567890-2 2026-02-05 BRE ANDERSON DAVID B</p>	2 SampleTemplate2
-----------------------------------------------------------------	-------------------	-----------------------------------------------------------------	-------------------

Cassette Templates

<p>1234567890-1 2026-02-05 BRE ANDERSON DAVID B</p>	1 Sample1_45° face angle_square ends	<p>1234567890 ANDERSON D BRE FS1</p>	2 Sample2_45° face angle_square ends
<p>13-1234 A BRE</p>	3 Sample3_45° face angle_rounded ends	<p>1234567890-015 ABC PATIENT ID 26/02/05 LIV</p>	4 Sample Color Template

Add Template Remove Template Recover Removed Templates
Clear LIS Default Set LIS Default
Clear Scanner Default Set Scanner Default

5033 Prints Remaining 14 Slides Remaining Slide Type 1
Slide EVO Ready Slide EVO

Template Settings

Slide Templates

The screenshot displays two slide templates side-by-side. The first template, labeled '1 SampleTemplate1 LIS DEFAULT', is highlighted with a blue border. It shows a sample slide layout with fields for '_Accession_', 'Patient', 'BRE', and '2026-02-05', along with a QR code. The second template, labeled '2 SampleTemplate2', shows a similar layout with fields for '_Accession_', 'PatientID', 'BRE', '# 1 of 1', and '02/05/2026', also with a QR code. An arrow points from the text 'Default Template is set' below to the 'LIS DEFAULT' label of the first template.

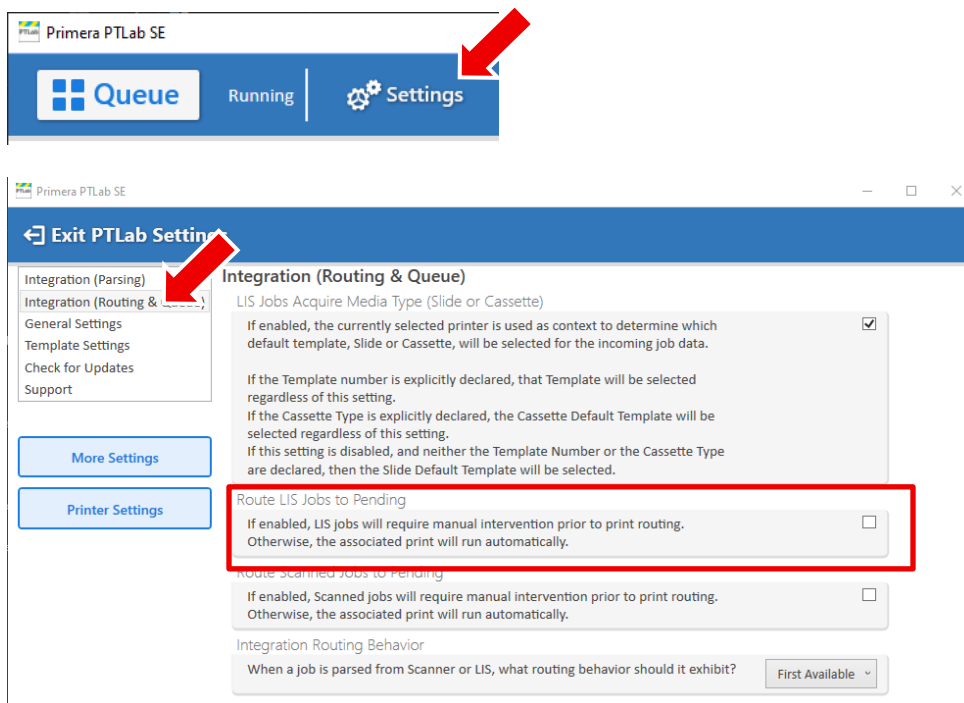
Default Template is set

4.5 Set Integration (LIS) Routing Settings

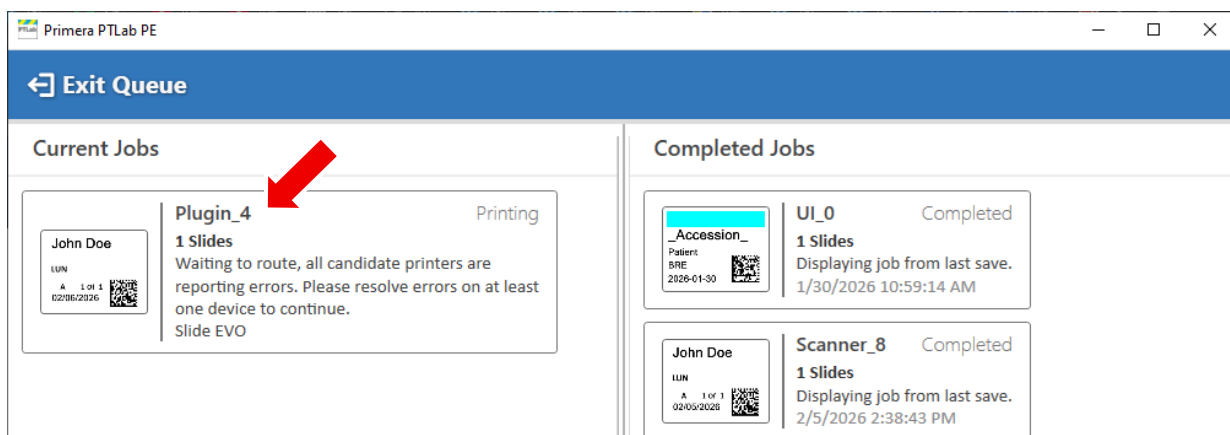
You can set PTLab to automatically print any slide/cassette as soon as the necessary text file with the data appears in the watch folder -or- you can set PTLab to automatically place all jobs in the pending queue.

Note: If there is insufficient data to complete fill all fields in your template, the job will always go to the pending jobs queue no matter the setting.

If “Move all LIS jobs to pending queue” is **unchecked**, the associated template will automatically print the slide.



4. If “Move all LIS jobs to pending queue” is **checked**, the job will appear in the pending jobs queue.



5. The preview in the queue allows you to review the data before you print if you have selected pause jobs before printing.

6. If there is an error, you can click on the preview to display options. You may select a new template that better matches the data, cancel the item, or open PPTemplate to edit the current template to accept the data.

The screenshot displays the 'Primera PTLab PE' software interface. At the top, there is a blue header with a back arrow and the text 'Exit Queue'. Below the header, there are two main sections: 'Current Jobs' and 'Completed Jobs'.

In the 'Current Jobs' section, a job titled 'John Doe.A,4,1' is highlighted. A red arrow points to this job. Below the job title, it says 'Plugin_6' and 'Needs Attention'. A red error message is displayed: 'Found template for print job. Matched from default template name. Number is 2, name is SampleTemplate2. The input fields available did not match the data provided. There were 4 data fields and the template has 3 input fields.'

To the left of the 'Current Jobs' section, there are two buttons: 'Clear Selection' and 'Select All'. Below these, there is a section titled 'Actions for Selected Item(s)' with three buttons: 'Select New Template', 'Open PPTemplate', and 'Cancel 1 Item'. These three buttons are enclosed in a red rectangular box.

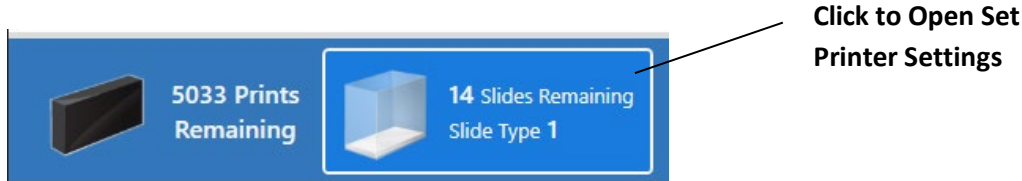
The 'Completed Jobs' section on the right shows three completed jobs:

- John Doe**, **Plugin_5**, 1 Slides, Print monitor reported job, 2/6/2026 11:15:10 AM.
- John Doe**, **Plugin_4**, 1 Slides, User reported job cancelled, 2/6/2026 11:04:12 AM.
- _Accession_**, **UI_0**, 1 Slides, Displaying job from last sa, 1/30/2026 10:59:14 AM.
- John Doe**, **Scanner_8**, 1 Slides, Displaying job from last sa, 2/5/2026 2:38:43 PM.

Section 5: Managing Slides

5.1 Slide Levels

The slide level is tracked by the software and displayed on the status bar at the bottom.



An explanation of the setting below.

- **Preload Mode:** Automatically feeds a slide from the cartridge into printing position before a print is sent to the printer. This can greatly reduce the time it takes for the first slide in a batch of slides to print. It is especially useful when printing many single print jobs.
- **Slide Type:** Encodes the Blue Slide Cartridge with the number displayed. Slides can be used as internal designations for different types of slides. Example: Charged slides. An encoded slide cartridge can be used in combination with a template that requires a specific slide type.
- **Show Slide Level:** If enabled, displays slide levels in the start bar and tracks slides remaining. You can always track the slide level by looking at the actual slides remaining through the clear blue slide cartridge. **Note:** The printer does not have a physical slide level sensor. The software tracks when a slide has been printed and subtracts one from the total. If the original total was incorrect for some reason, the slide level reported by the software would also be incorrect.
- **Slide Level:** Set to a specific number that you can set by typing the number to the right. This number will be remembered the next time this window appears. This is useful if your slides do not come in packs of 100. You can easily reset the slide counter to equal whatever number of slides your standard box includes. The **Reset Slide Level** button resets the slide level to 100
- **Slide Separation Air Burst (EVO Only):** Adjust how frequently the air burst is engaged. The air burst helps to ensure slides are released/separated when stuck together by static or moisture. This will delay printing slightly so only enable this feature if you need it and have frequent jams without it. You can set this to Disabled, Engage Every Slide, or Engage when Needed, which only uses an air burst when a jam is detected.
- **Factory Restore:** The factory restore resets all user-editable settings to their original values. This operation is non-reversible. Any settings lost will need to be modified manually.

Primerica PTLab SE

Exit Printer Settings

Settings for Slide EVO

Slide General

Print Alignment

Heat Settings

Status Info

Add USB Printers

Slide General

Preload Mode All changes saved

Auto-feed mode automatically feeds a slide from the cartridge into printing position before a print is sent to the printer. This can greatly reduce the time it takes for the first slide in a batch of slides to print. It is especially useful when printing many jobs of single prints.

Slide Type All changes saved

Encodes the Blue Slide Cartridge with the number displayed. Slide types can be used as internal designations for different types of slides, e.g. Charged slides. An encoded slide cartridge can be used in combination with a template that requires a specific slide type.

Show Slide Level

If enabled, display slide levels in the start bar and track slides remaining.

The printer does not have a physical slide level sensor. Instead, this software tracks when a slide has been printed and subtracts one from the total. If the total is incorrect for some reason, the slide level reported would also be incorrect.

Set the current "Slide Level" below.

Slide Level All changes saved

Adjust the number of slides in the currently inserted cartridge. This value is always decremented after every print but is only displayed if "Show Slide Level" is enabled.

[Reset Slides Remaining](#)


Slide Separation Air Burst All changes saved


Adjust how frequently the air burst is engaged.


The air burst helps to ensure slides are released when stuck together by static or moisture. It also may cause delays if the slide would have loaded fine without.

Factory Restore

The factory restore resets all user-editable settings to their original values. This operation is non-reversible. Any settings lost will need to be modified manually. [Restore Factory Defaults](#)

 5033 Prints Remaining

 14 Slides Remaining
Slide Type 1

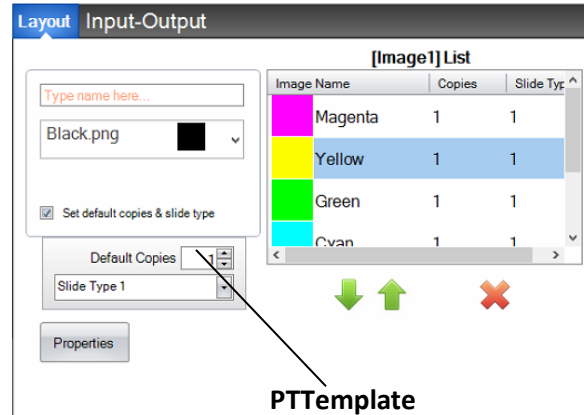
 Slide EVO
Ready

Slide EVO

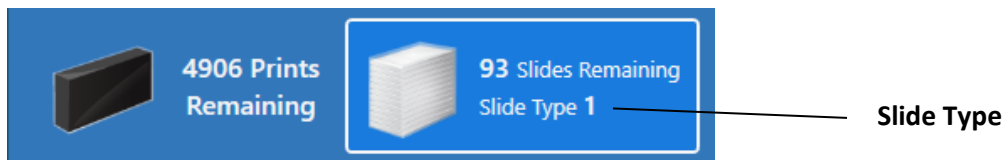
5.2 Set the Slide Type on a Slide Cartridge (Slide Printer)

The slide type setting can be used to assign a unique number to the blue slide cartridge. Slide type can be set to any number between 1 and 100. Slide types can be used as internal designations in a lab for different types of slides, such as charged slides. An encoded slide cartridge can be used in combination with a template that requires a specific slide type. In this way, you can ensure certain procedures are done on the appropriate slides.

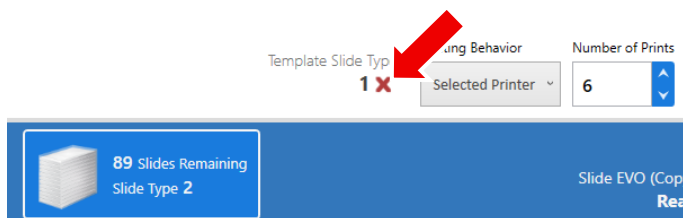
Note: To require a specific slide type, your template must have either an image list or text list, which has the “Set default copies and slide type” option checked in the “Edit Text/Image List” area within PPTemplate.



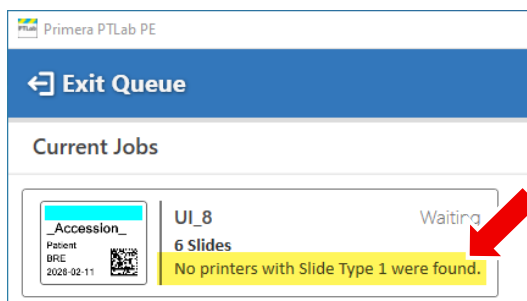
When the cartridge is inserted, the slide type will be displayed below the slide icon on the status bar.



If a slide cartridge encoded with a slide type other than what the template requires is inserted into the printer an X will appear next to the slide type designation.



If you don't see this and decide to print anyway, you will see the following error in the queue.



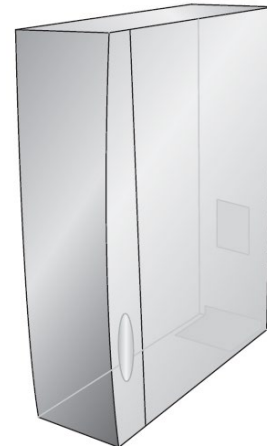
Slide Cartridge

The default designation for any new slide cartridge is “1”.

If you would like to use the slide type setting to track different slide types, follow this procedure.

1. Purchase additional slide cartridges for each of the slide types you would like to track. Extra slide cartridges may be purchased from your printer supplier. You can track many different slide types. Below are a few examples:

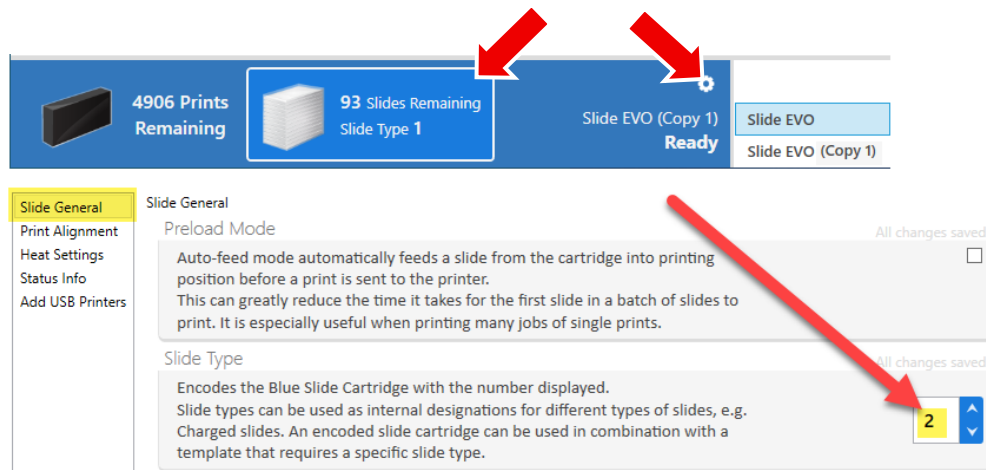
- Charged slides
- Colored slides
- Various manufacturers of slides
- Slides with different coatings and treatments for specific procedures



2. Label the slide cartridges. Once you have received the extra slide cartridges, label them by placing a label or writing on the front or side of the blue cartridge. The label should be permanent so it will withstand daily handling. The label should specify the slide type number and a description of the slide type.

3. To encode the slide type number to the IC chip embedded in the Slide Cartridge, insert the cartridge into the printer.

4. Open the settings area by clicking the Slide Level Icon or the Settings Icon.



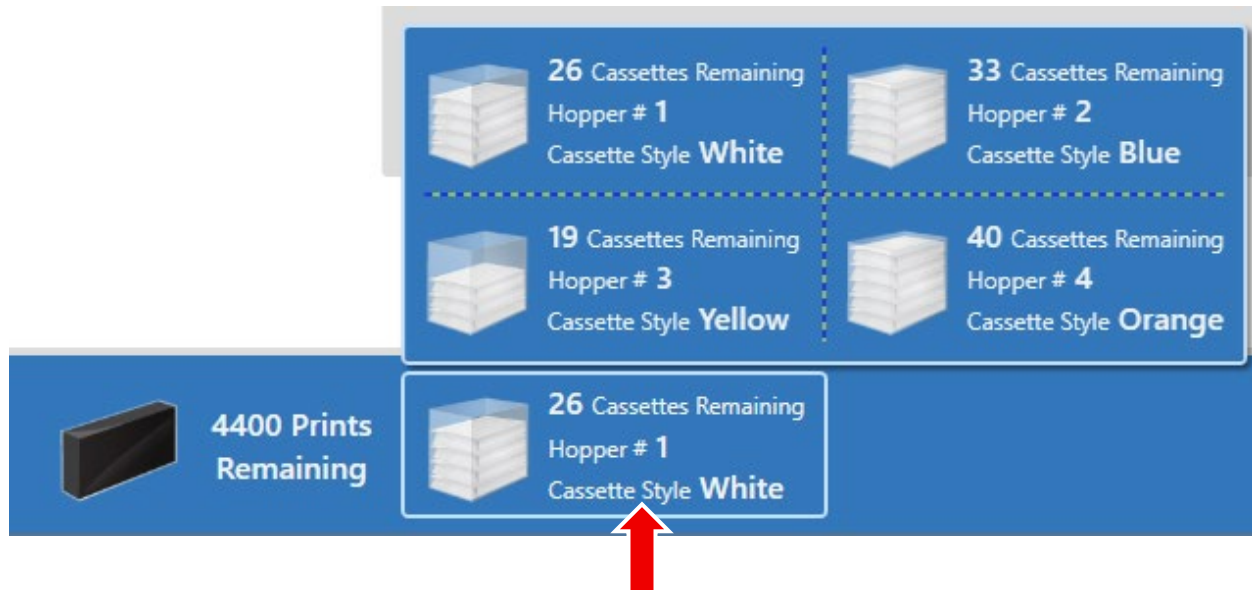
5. Click on Slide General.

6. Choose the slide type number you would like to encode (1-100). The cartridge will be encoded. **Note:** If you switch between slide cartridges encoded with different slide type numbers and have auto-feed mode enabled, the slide of a different type left in the printer will be automatically ejected unprinted.

Section 6: Managing Hoppers (Cassette Printer – Autoloader)

The Signature Cassette Printer – Autoloader has four hoppers (40 cassettes each) that can be filled with cassettes of different styles. The different Styles of cassettes can be different colors or constructions, as long as they meet the specifications outlined in the printer manual.

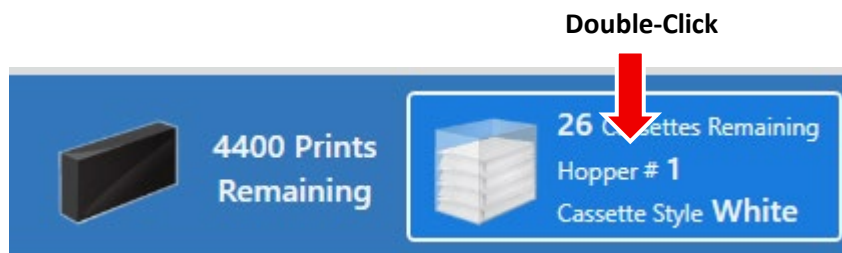
To view the current hopper levels and descriptions, hover your mouse over the hopper icon on the status bar.



6.1 Programming Hopper Descriptions

Using PTLab, you can program up to 16 style descriptions and assign them to each hopper location. Once the descriptions have been programmed, you may **set** the current hopper style description on the Autoloader's control panel or in the PTLab software under printer settings. However, only the descriptions can be programmed using PTLab.

To program hopper descriptions, double-click on the hopper icon on the status bar. You may also click on the settings icon and choose Settings – Hopper Settings.



To change the currently selected hopper type, click on the drop-down menu next to each hopper number. All available descriptions will appear in the drop-down. Hopper 1 corresponds to the left-most hopper on the Autoloader, progressing to hopper 4 on the far right side of the Autoloader.

Settings for Cassette EVO

Update the Cassette Styles installed to each hopper on the Selected Printer. These values should be updated when any Hopper bin is loaded with a different style of cassettes. The Cassette Style selected here will be used to determine printer eligibility when routing jobs.

Assign Styles to Hoppers

Hopper 1: White (dropdown menu open showing: White, Blue, Yellow, Orange)

Hopper 2: Blue

Hopper 3: Yellow

Hopper 4: Orange

Configure Cassette Styles

4400 Prints Remaining

26 Cassettes Remaining
Hopper # 1
Cassette Style: White

Cassette EVO
Ready (Ready)

Cassette EVO (Autoloader)

If you would like to change or add hopper descriptions, click on Configure Cassette Styles. Simply type the cassette description in the next available box by clicking the plus button or editing an existing box. Once changes are made, you will need to update the new names to the Autoloader by clicking “Update Cassette Table and Devices.”

Cassette Styles Configuration

Prints are routed to autoloader hoppers using a Cassette Style Table and Hopper Selection. Modify the list of cassette styles on this page.

Autoloader devices maintain a copy of the Cassette Style Table and a Hopper Selection to display hopper information. These must be kept up-to-date for compatibility. Any conflicts with the local Cassette Style Table will be displayed below.

LIS #	Cassette Style Table	Cassette EVO
1	White	White
2	Blue	Blue
3	Yellow	Yellow
4	Orange	Orange
5	White Biopsy	
6	Add Cassette Style	

Update Cassette Table & Devices

Edit Existing

Needs Updating

Click the + to add new name

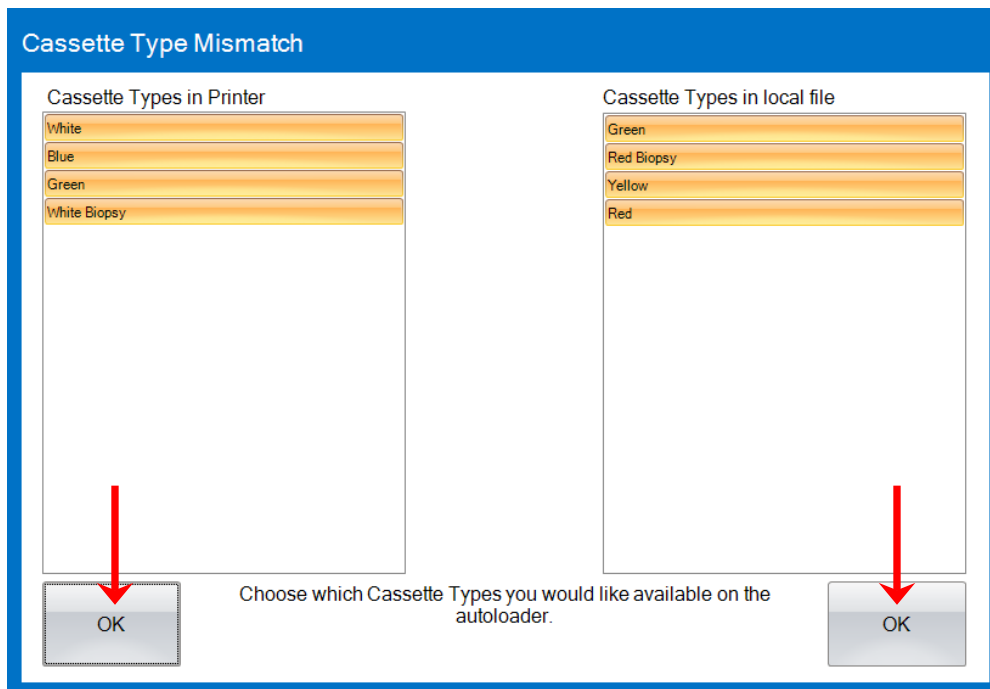
Update to the Autoloader

6.2 Cassette/Hopper Type Mismatch

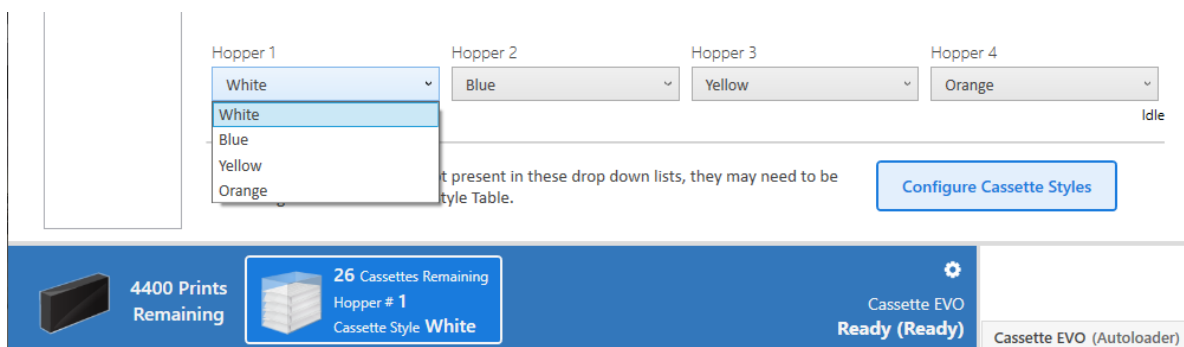
The hopper descriptions are stored on the printer (not the Autoloader) and the currently connected computer. The descriptions are stored in both locations so that you do not have to re-enter them if either the printer or the computer is changed.

If you change the computer connected to the printer, or the printer attached to the Autoloader, you will receive a Cassette Type Mismatch error. You will need to reconcile the differences.

1. The screen below will appear if you open the hopper settings window. Simply click “OK” below the descriptions you would like to keep.



2. The Hopper Settings window will open. Set the hopper types to correspond with the cassettes that are actually loaded in the hoppers as described on the previous page.

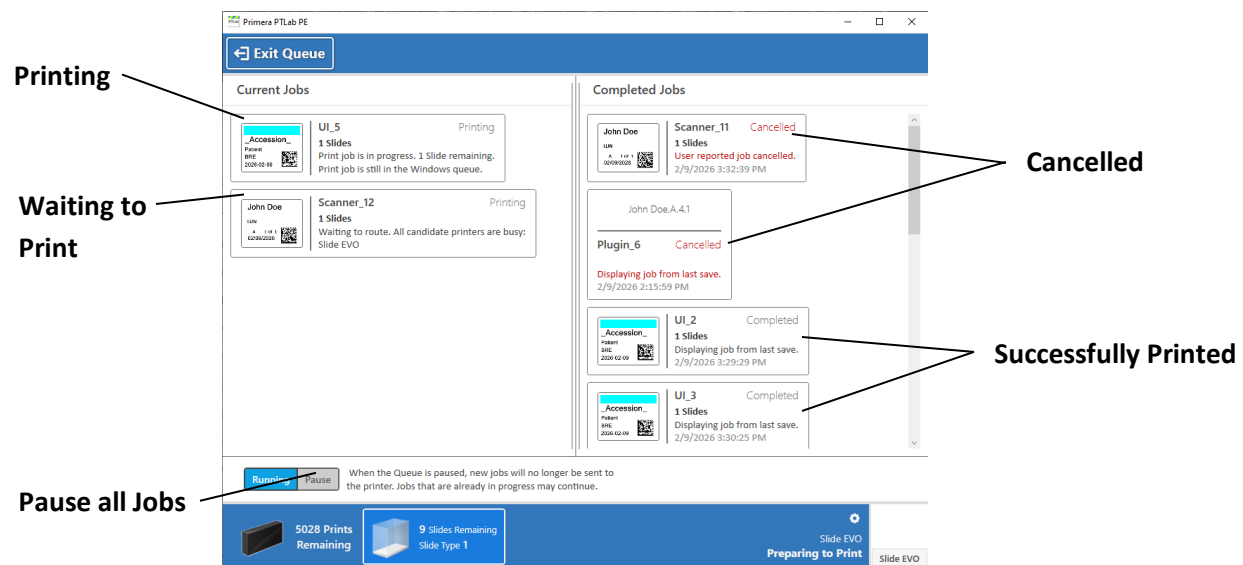


Section 7: Job Queue and Pending Jobs

The Job Queue displays all current jobs that are printing or waiting to be printed. To access the queue, press the Queue button.



The currently printing job will show a status of “printing”. The waiting jobs will appear below the printing job. When a job has been successfully printed or cancelled, it will be moved to the Completed Jobs area on the right. The results of the job will be displayed below the status.



7.1 Current Jobs Queue

You may also cancel a currently printing, pending or failed job, while in the current queue by selecting the job and clicking the cancel 1 item button

Primer PTLab PE

Exit Queue

Clear Selection

Select All

Current Jobs

John Doe,A,4,1

Plugin_6 Needs Attention

Found template for print job. Matched from default template name. Number is 2, name is SampleTemplate2. The input fields available did not match the data provided. There were 4 data fields and the template has 3 input fields.

Completed Jobs

John Doe Plugin_5
1 Slides
Print monitor reported job
2/6/2026 11:15:10 AM

John Doe Plugin_4 Canceled
1 Slides
User reported job cancell
2/6/2026 11:04:12 AM

Accession UI_0 Complet
1 Slides
Displaying job from last sa
1/30/2026 10:59:14 AM

John Doe Scanner_8 Complet
1 Slides
Displaying job from last sa
2/5/2026 2:38:43 PM

Actions for Selected Item(s)

Select New Template

Open PTemplate

Cancel 1 Item

Cancel Job

7.2 Completed Jobs

You can reprint or delete any job in the Completed queue. Click on it to select it and then choose Reprint Job.

Primer PTLab PE

Exit Queue

Completed Jobs

Accession UI_7 Completed
2 Slides
Print monitor reported job completed successfully.
2/9/2026 3:45:03 PM

John Doe Scanner_12 Completed
1 Slides
Print monitor reported job completed successfully.
2/9/2026 3:34:46 PM

Accession UI_5 Completed
1 Slides
Print monitor reported job completed successfully.
2/9/2026 3:34:30 PM

John Doe Scanner_11 Canceled
1 Slides
User reported job cancelled.
2/9/2026 3:32:39 PM

Clear Selection

Select All

Actions for Selected Item(s)

Reprint Job

Delete 1 Item

Reprint selected job

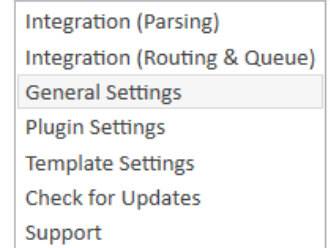
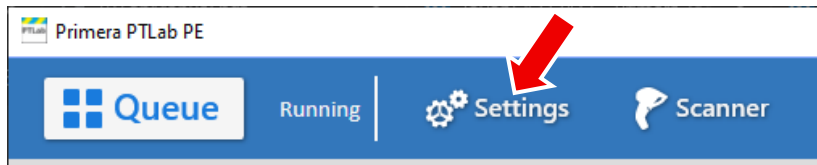
Delete selected

Running Pause

When the Queue is paused, new jobs will no longer be sent to the printer. Jobs that are already in progress may continue.

Section 8: Settings and Preferences

Access settings by clicking on the Settings button on the top bar.



Use the left menu to navigate to each settings category.

[More Settings](#)

[Printer Settings](#)

8.1 Integration (Parsing)

These settings define the type of data the software expects from scanner or LIS job inputs. Each LIS or lab protocol may have different delimiters between fields, number of copies, template identification etc.

Barcode Output Delimiter. Inserted between data fields in output barcodes. The default is a comma “,”

Scanned Input Delimiter. Used to parse fields from data when the source is a scanned barcode. The default is a comma “,”

LIS Input Delimiter. Use to parse fields from data when the source is an LIS job. The default is a comma “,”

Copies Identifier. This identifier defines how many copies to send to the parsed job. Must be used with a value between two identifiers to declare the number of copies (e.g. &6&) If the Template to be routed has incrementing components, then those incrementing components will use default behavior.

Template Identifier. Match the input job data with the specified template number. Template numbers are set in the PTTemplate Software. This must be used with a value between two identifiers to declare the template number (e.g. #6#).

Cassette Style Identifier. Declares that the input data should be routed to a cassette printer. A single identifier may be used to simply route to any cassette printer (e.g. !). A value placed between two identifiers - !3! - will designate a Style to use. For example if cassette style 3 is “White” and hoppers 1 and 2 have white assigned to them, the job will be printed using cassettes pulled from hoppers 1 or 2.

Trim Whitespace. If enabled, whitespace will be eliminated before and after delimited fields.

"Test, whitespace " would be transformed to

"Test, whitespace" prior to template

Primera PTLab PE

Exit PTLab Settings

Integration (Parsing)

Integration (Routing & Queue)

General Settings

Plugin Settings

Template Settings

Check for Updates

Support

More Settings

Printer Settings

Integration (Parsing)

Scanner Sample
#12#,&1&,!4!,Doe,John,123456

LIS Sample
#12#,&1&,!4!,Doe,John,123456

Output Sample
Doe,John,123456

Barcode Output Delimiter
Inserted between data fields in output barcodes

Scanned Input Delimiter
Used to parse fields from data when the source is a Scanned barcode

LIS Input Delimiter
Used to parse fields from data when the source is an LIS job.

Copies Identifier
This identifier defines how many copies to send to the parsed job. Must be used with a value between two identifiers to declare the number of copies (e.g. &6&)

If the Template to be routed has incrementing components, then those incrementing components will use default behavior.

Template Identifier
Match input job data with the specified template number. Template numbers are set in the PTTemplate Software.

This must be used with a value between two identifiers to declare the template number (e.g. #6#).

Cassette Type Identifier
Declares that the input data should be routed to a cassette printer.

A single identifier may be used to simply route to any cassette printer (e.g. !).

A value be placed between 2 identifiers - !3! - will designate a hopper to pick from. If used in this way then the job will route to a cassette printer with a cassette type declared at that index in the hopper strings table.

Trim Whitespace
If enabled, whitespace will be eliminated before and after delimited fields.

" Test , whitespace " would be transformed to
"Test,whitespace" prior to template input.

5021 Prints Remaining

9 Slides Remaining
Slide Type 1

Slide EVO Ready

Slide EVO

8.2 Integration (Routing & Queue)

LIS Jobs Acquire Media Type (Slide or Cassette). If enabled, the currently selected printer is used as context to determine which default template, Slide or Cassette, will be selected for the incoming job data. If the Template number is explicitly declared, that Template will be selected regardless of this setting.

If the Cassette Type is explicitly declared, the Cassette Default Template will be selected regardless of this setting. If this setting is disabled, and neither the Template Number nor the Cassette Type is declared, then the Slide Default Template will be selected.

Route LIS Jobs to Pending. If enabled, LIS jobs will require manual intervention prior to print routing. Otherwise, the associated print will run automatically.

Route Scanned Jobs to Pending. If enabled, scanned jobs will require manual intervention prior to print routing. Otherwise, the associated print will run automatically.

Integration Routing Behavior. When a job is parsed from Scanner or LIS, what routing behavior should it exhibit? Options are First Available or Selected Printer. This setting is useful if multiple printers are attached. First available will send the printer to whichever is ready. Selected will send the job to the currently selected printer if multiple printers are attached. Select the printer by clicking on it in the lower right corner.

Integration (Routing & Queue)

LIS Jobs Acquire Media Type (Slide or Cassette)

If enabled, the currently selected printer is used as context to determine which default template, Slide or Cassette, will be selected for the incoming job data.

If the Template number is explicitly declared, that Template will be selected regardless of this setting.

If the Cassette Type is explicitly declared, the Cassette Default Template will be selected regardless of this setting.

If this setting is disabled, and neither the Template Number or the Cassette Type are declared, then the Slide Default Template will be selected.

Route LIS Jobs to Pending

If enabled, LIS jobs will require manual intervention prior to print routing. Otherwise, the associated print will run automatically.

Route Scanned Jobs to Pending

If enabled, Scanned jobs will require manual intervention prior to print routing. Otherwise, the associated print will run automatically.

Integration Routing Behavior

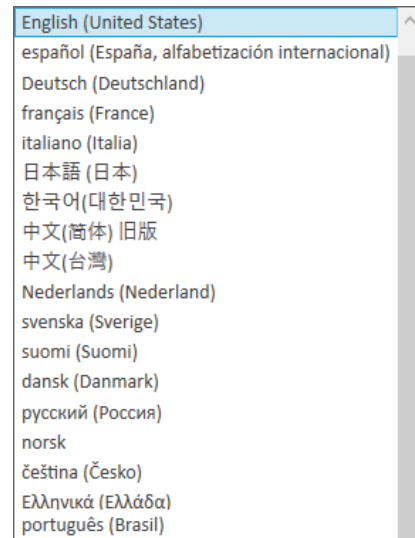
When a job is parsed from Scanner or LIS, what routing behavior should it exhibit?

First Available ▾

8.3 General Settings

Application Language. Choose an available language. Restart the application to fully load the new language.

Full Screen Mode. If enabled, run PTLab as a full-screen application. Otherwise, use standard window mode.



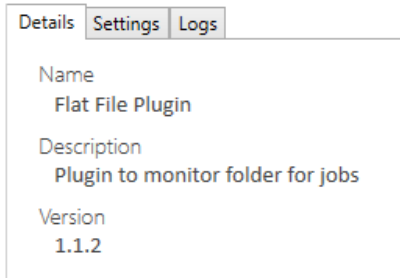
8.4 Plugin Settings (Visible only with PE version)

Details Tab.

See the Plugin version information.

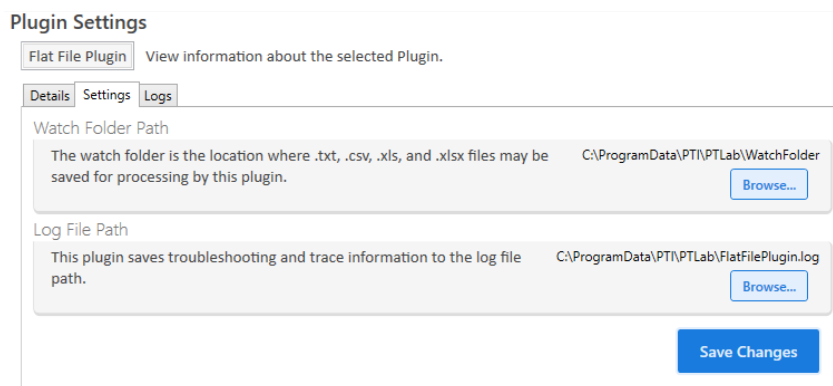
Plugin Settings

Flat File Plugin View information about the selected Plugin.



Settings Tab.

Here you can change the Watch Folder Path where PTLab PE will look for data files to parse and start jobs. You can also change the Log File Path.



Log Tab.

Plugin Settings

Flat File Plugin View information about the selected Plugin.

Details Settings Logs

Refresh

```

02/06 11:01:13.3817482; FlatFilePlugin; Information; Updating job. [Name: Plugin_4] [Status: Waiting] [StatusString: Waiting for a valid pi
02/06 11:01:13.3927417; FlatFilePlugin; Information; Updating job. [Name: Plugin_4] [Status: Waiting] [StatusString: Waiting for a valid pi
02/06 11:04:12.1216555; FlatFilePlugin; Information; Updating job. [Name: Plugin_4] [Status: CompletedCancelled] [StatusString: ]
02/06 11:04:12.1216555; FlatFilePlugin; Information; Completing job. [Name: Plugin_4] [Time: 2/6/2026 11:04:12 AM]
02/06 11:14:59.8494279; FlatFilePlugin; Information; Found file to parse data from. [Path: C:\ProgramData\PTI\PTLab\WatchFolder\test.t
02/06 11:14:59.8494279; FlatFilePlugin; Information; Reading Lines from job file. [Path: C:\ProgramData\PTI\PTLab\WatchFolder\test.txt]
02/06 11:14:59.8494279; FlatFilePlugin; Information; Read 1 lines from job file. [Path: C:\ProgramData\PTI\PTLab\WatchFolder\test.txt]
02/06 11:14:59.8494279; FlatFilePlugin; Information; Job was successfully parsed. Deleting now. [Path: C:\ProgramData\PTI\PTLab\Watch
02/06 11:15:00.0992804; FlatFilePlugin; Information; Job available for return. [ID: Plugin_5] [Total: 0] [PluginDataLength: 45] [JobDataLen
02/06 11:15:00.0992804; FlatFilePlugin; Information; Adding Current Job to XML. [Name: Plugin_5]
02/06 11:15:01.1113782; FlatFilePlugin; Information; Updating job. [Name: Plugin_5] [Status: Waiting] [StatusString: Attempting to rende
02/06 11:15:01.1183755; FlatFilePlugin; Information; Updating job. [Name: Plugin_5] [Status: Waiting] [StatusString: Waiting for a valid pi
02/06 11:15:01.1393647; FlatFilePlugin; Information; Updating job. [Name: Plugin_5] [Status: Waiting] [StatusString: Attempting to send
02/06 11:15:01.5911011; FlatFilePlugin; Information; Updating job. [Name: Plugin_5] [Status: Running] [StatusString: ]
02/06 11:15:01.5930999; FlatFilePlugin; Information; Updating job. [Name: Plugin_5] [Status: Running] [StatusString: ]
02/06 11:15:02.6067891; FlatFilePlugin; Information; Updating job. [Name: Plugin_5] [Status: Running] [StatusString: Printing. Printing pa
02/06 11:15:09.6689077; FlatFilePlugin; Information; Updating job. [Name: Plugin_5] [Status: Running] [StatusString: Printing. Printing pa
02/06 11:15:10.6943193; FlatFilePlugin; Information; Updating job. [Name: Plugin_5] [Status: CompletedSuccessfully] [StatusString: ]
02/06 11:15:10.6943193; FlatFilePlugin; Information; Completing job. [Name: Plugin_5] [Time: 2/6/2026 11:15:10 AM]
02/06 11:16:40.3374756; FlatFilePlugin; Information; Found file to parse data from. [Path: C:\ProgramData\PTI\PTLab\WatchFolder\test.t

```

8.5 Template Settings

All current template previews are displayed.

Click “Remove Template” to remove a template from the list of templates available to the user via the “Choose Template” drop down menu or the browse button.

Template Settings

Slide Templates

Accession

Patient
BRE
2026-02-10

1 SampleTemplate1

Accession

PatientID
BRE
F 1 of 1
02/18/2026

2 SampleTemplate2
LIS DEFAULT

Cassette Templates

1234567890-1
2026-02-10 BRE
ANDERSON DAVID E

1 Sample1_45° face angle_square ends
LIS DEFAULT

1234567890 ANDERSON D
BRE FS1

2 Sample2_45° face angle_square ends

13-1234
A BRE

3 Sample3_45° face angle_rounded ends

1234567890-015
ABC PATIENT ID
26/02/10 LIV

4 Sample Color Template

Add Template

Remove Template

Recover Removed Templates

Clear LIS Default

Set LIS Default

Clear Scanner Default

Set Scanner Default

Any template that has been removed can be recovered using the “Recover Removed Templates” button. You will be brought to the deleted Templates folder to recover your template.

If you have exported a template (for another computer) from the PTTemplate editing software you can add that template by clicking the "Add Template" button.

Templates exported (for this computer) from the PTTemplate software installed on the same computer as the PTLab software do not need to be added manually. They will be automatically added to the list.

You may also Set your Scanner and LIS Default in this location. See section 3 and 4 for more information

8.6 Check for Updates

This area will tell you the current version of the software and Check for Updates. You may choose to check only for release versions of the software or BETA versions.

Check for Updates

Application Version

The Current Version of the running application

4.1.29.0

Release Stage to Check

Select the release stage to check for updates with. Beta updates may have features sooner, but are more likely to contain bugs.

Release

Check for Updates

8.7 Support

Includes support contact pages, a support report generator that zips up your log files for easy transport and a button to relaunch the software as administrator.

Support

Product Information

primera.com/healthcare-and-laboratory-printers

Contact Us

primera.com/contact-us

The Support Report is a package of diagnostics that tech support may request for troubleshooting assistance.

Generate Report

The support report will include important information about connected devices, so please make sure your device is connected before continuing.

In addition, there may be some important information that can only be gathered with administrator privileges. Restart this application with Administrator privileges to gather this information.

Relaunch as Admin

8.8 More Settings

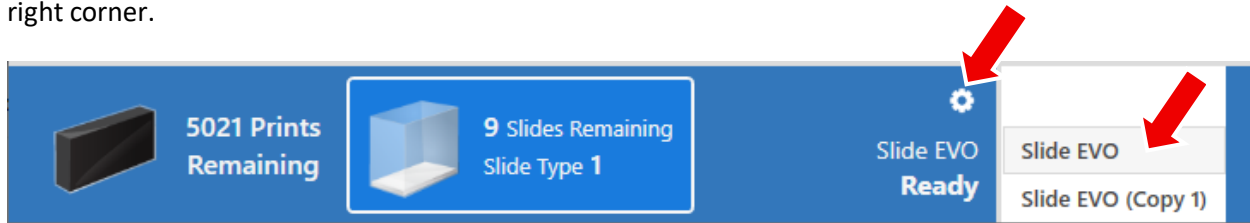
This button opens the PTLab PE License transfer screen and the remote activation (without dongle) option. Contact support if you have lost your license dongle. Finally, it contains some additional advanced logging options.

The image shows two overlapping windows from the PTLab PE software. The top window, titled "Software Info", displays the current version as "PTLab PE Software Version: 4.1.29+09354309d4ce27f112664d450264bcdba1" and includes a "Learn more about PTLab PE" button. Below this, the "PTLab PE License Information" section shows "USB dongle not connected" and "Licenses on the Computer: 1". It features an "Activate" button, a "Transfer License to USB Dongle" button, and a "Transfer License to Computer" button. The bottom window, titled "Logging", has an "Enable Job Logging" checkbox. It includes a "PC Identifier" field and a list of "Available Fields" (Output Barcode, User ID, User Name, Identifier) with "Add" and "Remove" buttons. The "Logged Fields" list contains "Timestamp" and "Template Info" with up and down arrow buttons. A file path "C:\ProgramData\PTI\PTLab\SlideLog.csv" is shown with a "Set" button. At the bottom, a table header shows "Timestamp" and "Template Info".

Timestamp	Template Info
-----------	---------------

Section 9: Slide Printer Settings

Printer Settings can be accessed by selecting the printer and then clicking the settings icon in the lower right corner.

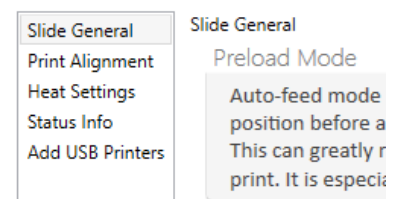


9.1 Slide Printer Slide General

An explanation of the setting below.

- Preload Mode:** Automatically feeds a slide from the cartridge into printing position before a print is sent to the printer. This can greatly reduce the time it takes for the first slide in a batch of slides to print. It is especially useful when printing many single print jobs.
- Slide Type:** Encodes the Blue Slide Cartridge with the number displayed. Slides can be used as internal designations for different types of slides. Example: Charged slides. An encoded slide cartridge can be used in combination with a template that requires a specific slide type.
- Show Slide Level:** If enabled, displays slide levels in the start bar and tracks slides remaining. You can always track the slide level by looking at the actual slides remaining through the clear blue slide cartridge **Note:** The printer does not have a physical slide level sensor. The software tracks when a slide has been printed and subtracts one from the total. If the original total was incorrect for some reason, the slide level reported by the software would also be incorrect.
- Slide Level:** Set to a specific number that you can set by typing the number to the right. This number will be remembered the next time this window appears. This is useful if your slides do not come in packs of 100. You can easily reset the slide counter to equal whatever number of slides your standard box includes. The **Reset Slide Level** button resets the slide level to 100
- Slide Separation Air Burst (EVO Only):** Adjust how frequently the air burst is engaged. The air burst helps to ensure slides are released/separated when stuck together by static or moisture. This will delay printing slightly so only enable this feature if you need it and have frequent jams without it. You can set this to Disabled, Engage Every Slide or Engage when Needed which only use an air burst when a jam is detected.

Settings for Slide EVO



- **Factory Restore:** The factory restore resets all user-editable settings to their original values. This operation is non-reversible. Any settings lost will need to be modified manually.

Primera PTLab SE

Exit Printer Settings

Settings for Slide EVO

Slide General

Preload Mode All changes saved

Auto-feed mode automatically feeds a slide from the cartridge into printing position before a print is sent to the printer. This can greatly reduce the time it takes for the first slide in a batch of slides to print. It is especially useful when printing many jobs of single prints.

Slide Type All changes saved

Encodes the Blue Slide Cartridge with the number displayed. Slide types can be used as internal designations for different types of slides, e.g. Charged slides. An encoded slide cartridge can be used in combination with a template that requires a specific slide type.

Show Slide Level

If enabled, display slide levels in the start bar and track slides remaining.

The printer does not have a physical slide level sensor. Instead, this software tracks when a slide has been printed and subtracts one from the total. If the total is incorrect for some reason, the slide level reported would also be incorrect.

Set the current "Slide Level" below.

Slide Level All changes saved

Adjust the number of slides in the currently inserted cartridge. This value is always decremented after every print but is only displayed if "Show Slide Level" is enabled. [Reset Slides Remaining](#)

Slide Separation Air Burst All changes saved

Adjust how frequently the air burst is engaged.

The air burst helps to ensure slides are released when stuck together by static or moisture. It also may cause delays if the slide would have loaded fine without.

Factory Restore

The factory restore resets all user-editable settings to their original values. This operation is non-reversible. Any settings lost will need to be modified manually. [Restore Factory Defaults](#)

5033 Prints Remaining

14 Slides Remaining
Slide Type 1

Slide EVO Ready

Slide EVO

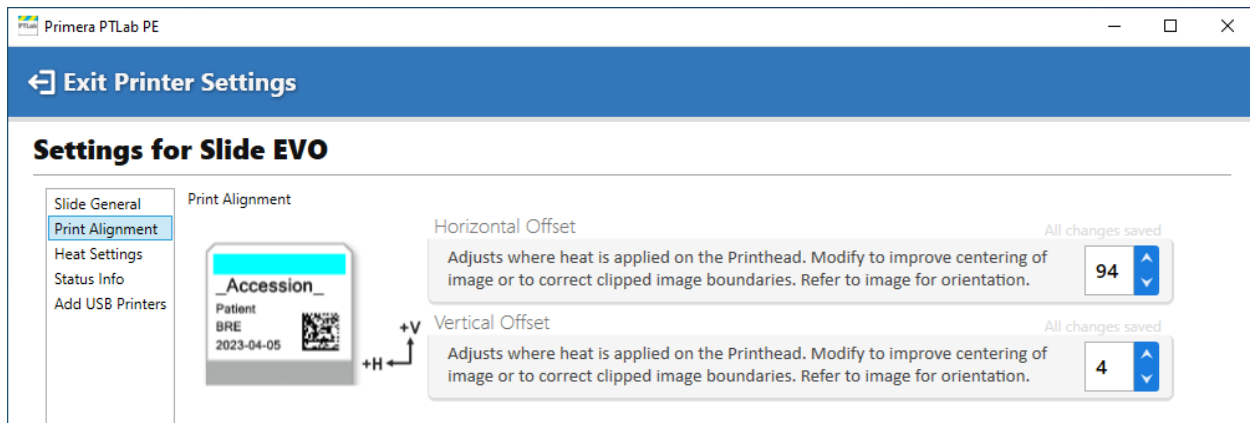
9.2 Slide Printer Print Alignment

Horizontal Offset.

Adjusts where heat is applied on the printhead. Modify to improve horizontal image centering or to correct clipped image boundaries. Refer to the image to the left for orientation.

Vertical Offset.

Adjusts where the heat is applied on the printhead. Modify to improve vertical image centering or to correct clipped image boundaries. Refer to the image to the left for orientation.



9.3 Slide Printer Heat Settings

Color/Black Print Heat.

Increase the heat settings to improve print quality. The minimum heat setting that achieves acceptable print quality should be used. Increasing print heat shortens print head life and increases the likelihood of a ribbon break. Separate heat settings for color and black ribbons can be stored. If using a color ribbon, the color heat setting will be used automatically. If using a black ribbon, the black heat setting will be used automatically.

Head Resistance.

Adjust this setting if you have recently replaced the print head. It should match the number printed on the print head.

Heat Settings

Color Print Heat

All changes saved

Value used when a Color/CMYK ribbon is installed. Increase to improve print quality.

The minimum heat setting that achieves acceptable print quality should be used. Excessive heat can cause more frequent ribbon breaks and reduce the lifespan of the printhead.

85

Black Print Heat

All changes saved

Value used when a Mono/Black ribbon is installed. Increase to improve print quality.

The minimum heat setting that achieves acceptable print quality should be used. Excessive heat can cause more frequent ribbon breaks and reduce the lifespan of the printhead.

85

Head Resistance

All changes saved

The value to be assigned here is labeled on the Printhead and should not deviate from that printed value.

Please adjust to the correct value if the Printhead has been replaced.

3068

9.4 Slide Printer Status Info

This area displays status information about the printer, which may be useful for tech support troubleshooting.

Primera PTLab PE

← Exit Printer Settings

Settings for Slide EVO

- Slide General
- Print Alignment
- Heat Settings
- Status Info
- Add USB Printers

Status Info

Firmware Version: 1.11 9/10/2024 (4167)

STM32 Version 01.05 10/25/2022

Status: Idle

Error: 00 00 00

Slides Printed: 268

Media Type: Printer Property [Value: 1]

Cartridge Serial: 01FF743B00000000

Ribbon Type: Mono

Cover: Closed

Ribbon Serial: 10FFC00602000000

Ribbon Description: Primera Technology, Inc. 10FFC00602000000

Ribbon Lot Number: Black EX Slide;mp;1101365

Vertical Offset: 4

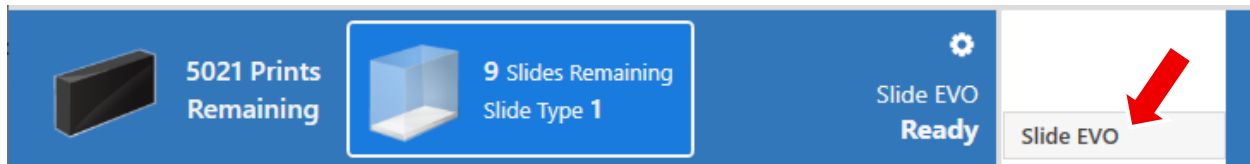
Horizontal Offset: 94

Head Resistance: 3068

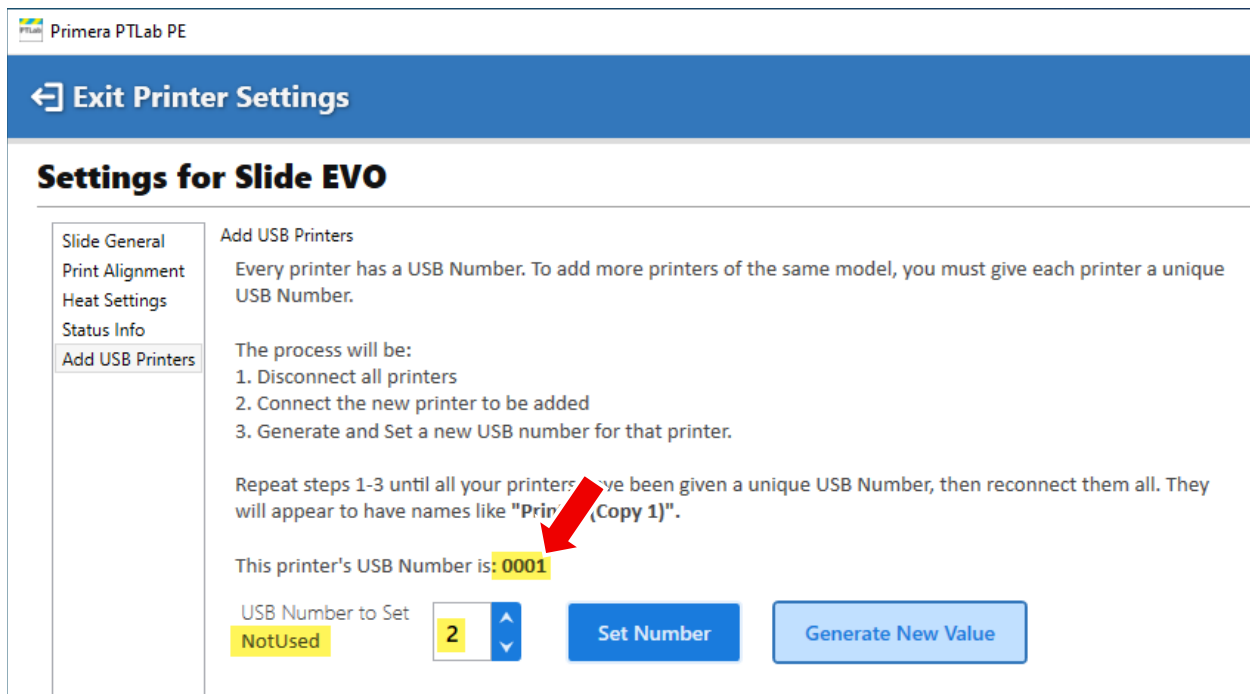
9.5 Setup and Print to Multiple Printers

You can connect multiple Slide Printers to the same computer and control them all through PTLab. This is useful if you have two different slide types that you regularly print to and you do not want to continuously change slide cartridges.

Access this setting by selecting the printer and then clicking the settings icon in the lower right corner.

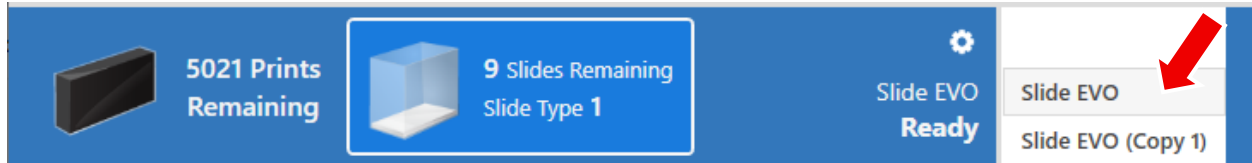


The USB Number of the currently connected printer will be displayed. This is the number that Windows uses to differentiate between printers. If two different printers have the same USB serial number, Windows will recognize them as the same printer. If they are both connected at the same time with the same serial number you may experience a Windows Blue Screen crash.



1. To get started, note the current serial number and the USB Number to be set. They should be different. The software will tell you if that number is in use on other connected printers, if present.
2. Click Set Number.

- The printer will reset. When it comes back online it will have a new name such as Slide EVO (Copy 1). A new copy of the driver is automatically installed. The existing driver is now available for another printer with the factory-set USB Number of 001.
- You may now connect a second printer. It will appear in the printer list as Slide EVO.



Note: This process assumes that you have not already changed the USB Number of the second printer. If you are in doubt, connect each printer separately and open the settings window to verify each printer has a different USB Number. As long as they are different, they will appear as separate printers in your printer list.

This printer's USB Number is: 0003

USB Number to Set
InUseOnline

2

Set Number

Generate New Value

This printer's USB Number is: 0002

USB Number to Set
NotUsed




4




Set Number

Generate New Value




9.6 Printing to Multiple Slide/Cassette Printers

To print to multiple slide printers, simply click on the one you wish to print BEFORE clicking the “Print” button. You will see the current number of prints remaining, slides remaining, printer name, current status, and possibly the slide type change when you click on each different slide printer.

 4906 Prints Remaining	 93 Slides Remaining Slide Type 1	 Slide EVO (Copy 1) Ready	Slide EVO Slide EVO (Copy 1)
---------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------	---------------------------------

 5021 Prints Remaining	 9 Slides Remaining Slide Type 1	 Slide EVO (Copy 2) Ready	Slide EVO Slide EVO (Copy 1)
---------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------	---------------------------------

You can also switch between a Slide and Cassette Printer.

 4400 Prints Remaining	 26 Cassettes Remaining Hopper # 1 Cassette Style White	 Cassette EVO Ready (Ready)	Cassette EVO (Autoloader) Slide EVO (Copy 1)
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Section 10: Cassette Printer Settings

10.1 Cassette Printer General Settings

Cassette Printer Mode.

In manual mode, the Cassette (bottom) button must be pressed to print

Auto Mode Delay.

The Auto Mode automatically prints the cassette after a specified delay. This means you do not have to press the print button to engage the print. Set the Cassette Printer Mode to “Auto Mode”. Set the Auto Mode Delay to the number of seconds it takes you to comfortably remove your hand from the cassette holder area.

Factory Restore.

Use these settings to restore factory defaults on the Cassette Printer.

Cassette General

Cassette Printer Mode

All changes saved



Set the cassette detection mode. In manual mode, the Cassette (Bottom) button must be pressed to print. In automatic mode, the printer will detect a cassette and print shortly after.

Manual Mode ▾

Auto Mode Delay (seconds)

All changes saved

If the "Cassette Printer Mode" is set to Automatic, adjust the delay between detection and printing. Set this value to the number of seconds it takes you to comfortably remove your hand from the Cassette Holder area.

0   s

NOTE: If you fail to remove your hand in time, the safety door will gently contact your hand. Because the door failed to close, the print will not continue.

Factory Restore

The factory restore resets all user-editable settings to their original values. This operation is non-reversible. Any settings lost will need to be modified manually.

Restore Factory Defaults

10.2 Cassette Printer Hopper Selection

Hopper settings can be found in section in Section 6.1

10.3. Cassette Printer Autoloader General

Use this area to restore factory defaults on the Cassette Autoloader.

Settings for Cassette EVO

Cassette General	Autoloader General
Hopper Selection	Factory Restore
Autoloader General	The factory restore resets all user-editable settings to their original values. This operation is non-reversible. Any settings lost will need to be modified manually.
Print Alignment	Restore Factory Defaults
Heat Settings	
Status Info	
Add USB Printers	

10.4. Cassette Printer Print Alignment

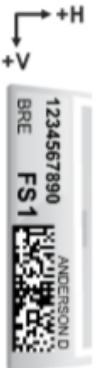
Horizontal Offset.

Adjusts where heat is applied on the printhead. Modify to improve horizontal image centering or to correct clipped image boundaries. Refer to the image to the left for orientation.

Vertical Offset.

Adjusts where the heat is applied on the printhead. Modify to improve vertical image centering or to correct clipped image boundaries. Refer to the image to the left for orientation.

Print Alignment



Horizontal Offset All changes saved

Adjusts where heat is applied on the Printhead. Modify to improve centering of image or to correct clipped image boundaries. Refer to image for orientation.

0

Vertical Offset All changes saved

Adjusts where heat is applied on the Printhead. Modify to improve centering of image or to correct clipped image boundaries. Refer to image for orientation.

0

10.5 Cassette Printer Heat Settings

Color/Black Print Heat.

Increase the heat settings to improve print quality. The minimum heat setting that achieves acceptable print quality should be used. Increasing print heat shortens print head life and increases the likelihood of a ribbon break. Separate heat settings for color and black ribbons can be stored. If using a color

ribbon, the color heat setting will be used automatically. If using a black ribbon, the black heat setting will be used automatically.

Head Resistance.

Adjust this setting if you have recently replaced the print head. It should match the number printed on the print head.

Heat Settings

Color Print Heat

All changes saved

Value used when a Color/CMYK ribbon is installed. Increase to improve print quality.

The minimum heat setting that achieves acceptable print quality should be used. Excessive heat can cause more frequent ribbon breaks and reduce the lifespan of the printhead.

100

Black Print Heat

All changes saved

Value used when a Mono/Black ribbon is installed. Increase to improve print quality.

The minimum heat setting that achieves acceptable print quality should be used. Excessive heat can cause more frequent ribbon breaks and reduce the lifespan of the printhead.

100

Head Resistance

All changes saved

The value to be assigned here is labeled on the Printhead and should not deviate from that printed value.

Please adjust to the correct value if the Printhead has been replaced.

3159

10.6 Cassette Printer Info

This area displays status information about the printer which may be useful for tech support troubleshooting.

Settings for Cassette EVO

Cassette General	Status Info	
Hopper Selection	Firmware Version:	1.09 3/13/2024 (D50E)
Autoloader General	STM32 Version	01.03 10/24/2022
Print Alignment	Status:	Idle
Heat Settings	Error:	00 00
Status Info	Cassettes Printed:	0
Add USB Printers	Cassette Load Mode:	Manual
	Cassette Load Delay (seconds):	Count: 0, TimeSpan: 00:00:00
	Ribbon Type:	Mono
	Cover:	Closed
	Ribbon Serial:	10FE155A02000000
	Ribbon Description:	Sakura 10FE155A02000000
	Ribbon Lot Number:	Black EX Slide;mp;2012562
	Vertical Offset:	0
	Horizontal Offset:	0
	Head Resistance:	3159
	Robot Firmware Version:	1.8 9/10/2023 (1DF2)
	Robot PGA Version:	6
	Robot Flipper Firmware Version:	2.4 12/7/2015 (C81B)