

Slide Requirements

For Best Print Quality and Printer Performance:

- Slides must have a coated frosting that extends no further than 20 mm down the slide.
- The coating must be of **uniform thickness** across the entire width of the slide.
- The PiSmart Slide Printers use thermal transfer print technology. This print technology requires **strict standard on the surface finish** and **cleanliness** of the slide's frosted coating.
- The coating must be **smooth** and **free of any clumps** or **dust** embedded in the coating or **print defects will occur**

The quality of the slides printing surface determines the print quality. You cannot improve print quality by changing heat settings if the slide surface is low quality.

Common Issues and Solutions:

- **Smudging:** If the print smudges, it could be due to:
 - **Debris on the print head:** Clean the print head.
 - **Dirty slide surface:** Clean the slide.
 - **Excessive heat:** Reduce the heat setting to avoid burning the ink onto the surface.
- **Uneven Prints:** If you notice lines, fading, or inconsistent prints, it's often due to:
 - **Imperfect coating:** Ensure the frosted coating is smooth and uniform.
 - **Debris on the slide:** Clean the slide carefully before printing.

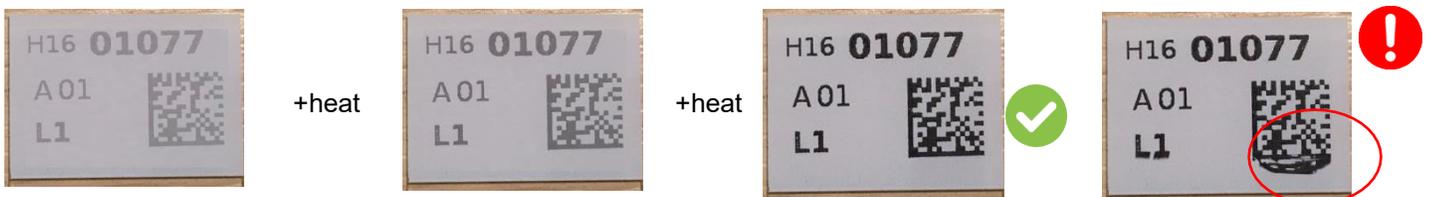
Print Head Heat Adjustment

Different slide types may need to have different heat settings.

Start with the Lowest Heat Setting: If the surface coating is too sensitive to heat, starting low will minimize the risk of melting, smudging, or damaging the ribbon.

Gradually Increase Heat: Watch for Quality Changes As you increase the heat, keep an eye out for changes in the print quality. You're aiming for a balance where the print is dark, clear, and sharp without causing any surface damage to the ribbon.

Backtrack if Necessary: If you increase the heat and the print starts to become too dark, smudged, or uneven, try reducing the heat by one setting. It's often easier to find the right balance by backing off a bit after a higher setting has been tried.



If you see any smudging this is a sign that:

- the heat is too high or the print head needs cleaning.
- Try reducing the heat setting until it disappears.
- If it does not disappear there may some debris on the print head preventing the heat dissipating through the slide surface. Clean the print head and go through the Print Head Recovery process.

If the print quality isn't improving and you notice that the print isn't crisp or the ink isn't transferring well, it could be because of debris on the print head. Here's what to do:

Step-by-Step Print Head Cleaning:

1. **Turn off the Printer:** Make sure the printer is turned off before you attempt to clean the print head.
2. **Use a Popule Swab or Soft, Lint-Free Cloth:** Dampen the cloth with a small amount of isopropyl alcohol (make sure it's not too wet to avoid excess moisture near the components).
3. **Gently Wipe the Print Head:** Carefully wipe the print head to remove any dust, ink buildup, or debris. Do not apply too much pressure, as this could damage the head.
4. **Inspect for Residual Debris:** After cleaning, inspect the print head carefully for any remaining debris or residues.

Light patches

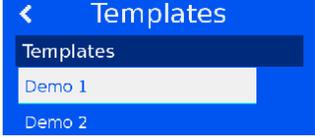
Horizontal gap

Random missing



See troubleshooting for more information.

How to Adjust heat settings

<p>Select the template</p>	
<p>Press the Edit button</p>	
<p>Press the Template Settings button</p>	
<p>There are 9 heat levels with 9 being the hottest, use the up and down buttons to change the setting.</p> <p>The lowest setting "0" is the print head recovery setting.</p>	
<p>Press the Home button to return to the printing screen</p>	

Repeat this process until you get a dark print. If you increase the value and print does not get darker you have reached the limit for that slide type. It is a good idea to step the heat setting back one. This provides a better margin for the print head.

Software Version V6.6.10 forward

The heat settings are moved to the Hopper Settings menu within Printer Settings. To adjust the heat for individual hoppers:

1. Press Settings button
2. Press Printer button
3. Press Hopper Settings button
4. Adjust the heat up and down using the arrows.

Press the check button when finished.

