

# ZXP Series 3 Tech Note

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## Monochrome Intensity Adjustment



### Introduction

This Tech Note explains, in detail, how to make monochrome intensity adjustments for printed images that are either too light or too dark.

The steps in this adjustment process include making the appropriate printer driver settings (based on type of print), printing a sample card, evaluating the printed image, and adjusting the image intensity as required.

Note that different monochrome colors may require different intensity settings.

## Procedure



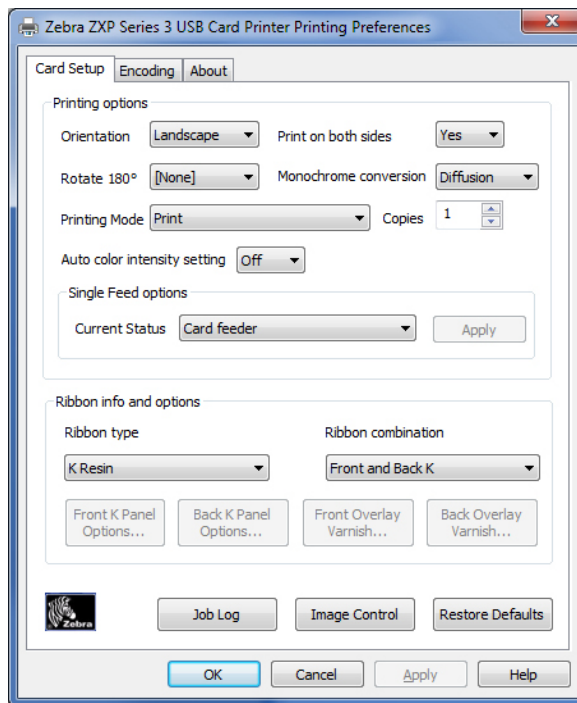
**Important** • The adjustments specified in this Tech Note are computer-specific. If the printer is moved to a different computer, you will need to reset these settings.

### Setup

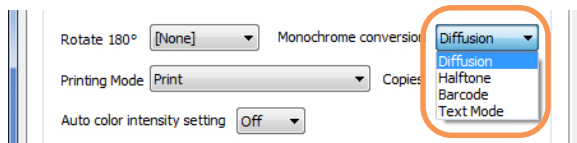
Ensure that the card printer driver is properly configured for monochrome printing.

**Step 1.** Close your card printing application.

**Step 2.** Go to the **Card Setup** tab (Select *Start > Devices and Printers*. Right click on the *Zebra ZXP Card Printer* listing. Select *Printing preferences > Card Setup*).



**Step 3.** Based on the type of printing you are doing, select the appropriate **Monochrome conversion** option from the dropdown menu.



See the table and examples on the next page for **Monochrome conversion** option selection criteria.

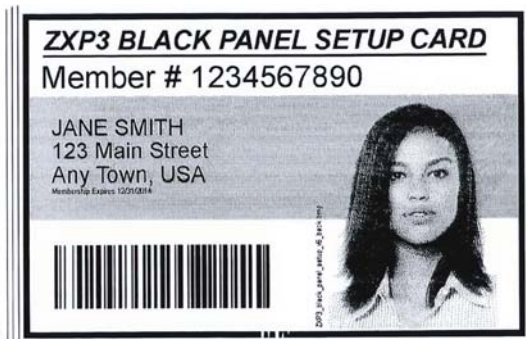


**Monochrome conversion:** Option selection is based on the type of print; e.g., if you are printing picture(s) and text, select *Diffusion* from the dropdown menu.

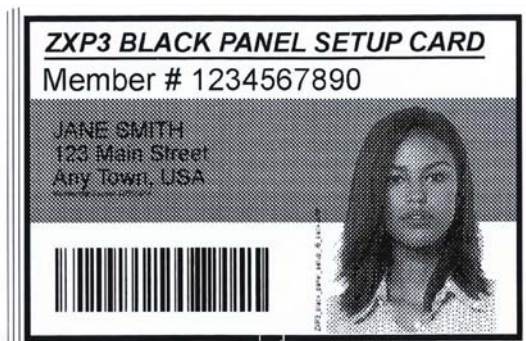
Type of Print	Diffusion	Halftone	Barcode	Text Mode
Picture only	X	X		
Text only				X
Barcode only			X	
Picture + Text + Barcode	X			
Picture + Text	X			
Picture + Barcode	X			
Text + Barcode	X			

For the **Picture only** selection criteria, the choice between Diffusion and Halftone is essentially personal preference; refer to the following examples.

- Diffusion example:



- Halftone example:



## Print a Sample Card

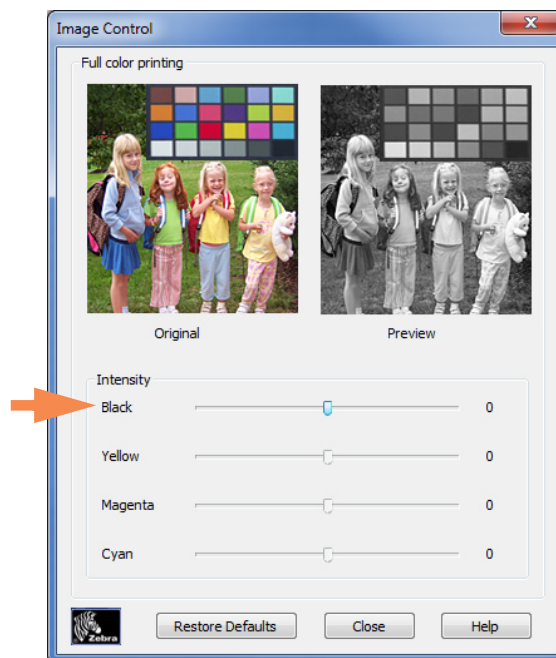
With a monochrome ribbon cartridge installed and cards loaded, your printer is ready to print.

- Step 1.** Print a sample card from your card printing application.
- Step 2.** Examine the sample card.
- Step 3.** If the sample card is either too dark or too light, adjust the monochrome image intensity; see next section.

## Monochrome Image Intensity Adjustment

The Image Control screen allows you to adjust the image intensity; these adjustments apply to the entire card, not just photographic image. Use the Black slider for all monochrome colors.

- Step 1.** Close your card printing application.
- Step 2.** Go to the **Image Control** screen (Select *Start > Devices and Printers*. Right click on the Zebra ZXP Series 3 Card Printer listing. Select *Printing preferences > Card Setup*, and click on the **Image Control** button).



- Step 3.** Adjust the monochrome intensity by moving the **Black slider** left or right. This will change the overall lightness or darkness of the image. Move the slider to the right (0 to 100) to darken the image and to the left (0 to -100) to lighten the image. Use the left and right keyboard arrow keys to “fine tune” the adjustment.
- Step 4.** Print and examine another sample card.
- Step 5.** Repeat steps 1 through 4 until satisfied with the image intensity.

If, after following the steps called out in this Tech Note, you are not satisfied with the results, contact Zebra Technical Support.