

# Zebra R110Xi RFID Configuration

These steps should be performed after every batch of labels, or anytime after the printer configuration has been modified. Most of these settings will never change; however, it is important to note the head tension toggle position after switching labels as they have a tendency to shift.

## Initial Configuration

**Step 1.** Set the RFID read and write power to Low/Low. Press the **Setup/Exit** button on your printer, then press the **Previous** button until you reach the RFID Write Power setting. Using the left black oval arrow button, change your RFID Write Power to Low. Press the **Previous** button again to navigate to the RFID Read Power setting. Press the left black oval arrow button to change the read power to Low.

**Step 2.** Reset the RFID calibration to factory defaults. To reset the RFID calibration, press the **Setup/Exit** button then press the previous button to navigate to the **RFID Calibrate** screen. Press the left black oval arrow to perform a reset. You will be prompted to enter your password, the default password is 1234.

**Step 3.** Adjust the head tension toggle position. The springs that support the printhead on your R110Xi must be placed 40mm to 50mm apart. Each toggle should hold down one side of the printhead. If these toggles are not properly centered and spaced, the RFID reader has the potential to improperly encode labels that have already been printed.



See the image to the right for proper alignment.

**Step 4.** Calibrate the printer. With your labels and ribbon properly loaded into your printer and the printhead closed, pause the printer and press the **Calibrate** button. The calibrate button will eject a number of RFID labels. When the printer finishes calibrating and stops moving, you may open the printhead and roll all of your labels back into the printer.

## Verification

**Step 1.** Once the printer has been configured, a test should be done to ensure that your labels are being properly encoded. Print and encode two RFID tags in a row.

**Step 2.** Before tearing off the RFID tags, open the print-head roll the label back underneath the print-head. Press the Setup/Exit button, then press the Previous button until you get to the RFID Tag Data setting. This setting allows you to view the data encoded into each RFID tag. Continue rolling your labels back until you can verify that the values encoded into both RFID tags match the values printed on the labels.