Calibrate the Ribbon and Media Sensors

Use the procedure in this section to calibrate the printer, which adjusts the sensitivity of the media and ribbon sensors. For a summary of the options for initiating calibration, see MEDIA/RIBBON CAL on page 126.

**Important** • Follow the calibration procedure exactly as presented. All of the steps must be performed even if only one of the sensors requires adjustment. You may press and hold CANCEL at any step in this procedure to cancel the process.

**To perform sensor calibration, complete these steps:**

1. With the printer in the Ready state, initiate media and ribbon calibration in one of these ways:
   - Press and hold PAUSE + CANCEL for 2 seconds.
   - Send the ezpl.manual_calibration SGD command to the printer. See the Zebra Programming Guide for more information about this command.
   - Navigate to the following menu item on the control panel display. This item is located under the TOOLS menu and the SENSORS menu. Press RIGHT SELECT to select START.

   ![TOOLS menu](image1)
   ![SENSORS menu](image2)
The printer does the following:

- The STATUS light and SUPPLIES light flash yellow once.
- The PAUSE light blinks yellow.
- The control panel displays:

```
TOOLS ZT620R
LOAD BACKING
REMOVE RIBBON
```

2. **Caution** • The printhead may be hot and could cause severe burns. Allow the printhead to cool.

Open the printhead assembly by rotating the printhead-open lever upward.

3. Extend the media approximately 8 in. (203 mm) out of the printer.
4. Remove the exposed labels so that only the liner remains.

5. Pull the media into the printer so that only the backing is over the green light on the lower part of the media sensor.

6. Remove the ribbon (if used).
7. Rotate the printhead-open lever downward until it locks the printhead in place.

8. Press PAUSE to begin the media calibration process.
   - The PAUSE light turns off.
   - The SUPPLIES light flashes.
   - The control panel displays:

   ![Image of control panel with calibration status]

   When the process is complete:
   - The SUPPLIES light stops flashing.
   - The PAUSE light flashes yellow.
   - The control panel displays:
9. Open the printhead assembly by rotating the printhead-open lever upward.

10. Pull the media forward until a label is positioned under the media sensors.

11. Reload the ribbon (if used).

12. Close the printhead.
13. Close the media door.

14. Press PAUSE to enable printing.