

Treadmill Console Calibration

Speed, Incline & Self-Test Verification — Step-by-Step Guide

Follow these steps in order, on a treadmill with the motor cover removed and the console powered on. Steps 6 and 7 are required — skipping either one will leave the console showing an error.

1

Enter Calibration Mode

Press and hold the **Stop** key and the **Speed Up** key together, then insert the safety key while still holding both.

Key combinations vary by model. If this doesn't open calibration mode on your unit, call us and we'll give you the correct sequence for your specific console.

2

Check the Self-Test Result

Press **Stop** once. The time window should read **EP:2P** — the second digit is what matters, and it must show **P** for Pass.

If the second digit shows **F** for Fail, stop here and call us before continuing. Some newer consoles display **UER** or **VER** instead of EP:2P — that's normal for those models.

3

Calibrate the Incline

Press either incline key. The incline calibrates itself automatically — no further action needed.

4

Enter Max Speed Mode

Press and hold the **Speed** key until the display reads **85**.

⚠ The belt will run at full speed during this step. Stay off the belt completely until it is stopped again in Step 6.



5

Compare and Adjust the Top Speed

Compare the treadmill's actual top speed to the number on the console. If they don't match, locate the small silver, orange-centered potentiometer labeled **"tach"** near the outer edge of the motor control board. With a small insulated screwdriver, turn it **clockwise to speed up** and **counter-clockwise to slow down**. Small turns make a big difference — adjust in tiny increments.

Target range: within **0.2 MPH** of the treadmill's rated top speed. Example: a 10 MPH treadmill should read between **9.8 and 10.2 MPH**. Some models are rated for 12 MPH — call us if you're unsure of your model's top speed.

6

Exit Speed Test

Press the **Speed Down** key. The treadmill returns to 0 MPH on its own — let it come to a complete stop before continuing.

REQUIRED STEP

Required step: skipping it will leave the console showing an error message.

7

Exit Calibration Mode

Press **Stop** once and remove the safety key.

REQUIRED STEP

Required step: skipping it will leave the console showing an error message.

NOT SURE, OR WOULD RATHER WE HANDLE IT?

Console calibration varies quite a bit by brand and model. If you'd rather not open up the motor compartment yourself, Heartbeat Fitness Repair can calibrate your treadmill's speed, incline, and self-test on-site — quickly and correctly the first time.

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