



TCR Value Disclaimer & Calibration

The **TCR (Temperature Coefficient of Resistance)** setting governs how the device regulates heater behavior and, ultimately, how hot the heater becomes during operation. In Frolic, temperature regulation is driven by TCR, enabling a dynamic heating curve that mimics a *bonfire-style* temperature rise — gradual at first, then intensifying with momentum. This design delivers a more natural and responsive vaporization experience, tailored to the unique properties of dry herb.

While the TCR setting remains accessible to support minor recalibrations over time, it's essential that users understand the boundaries of this feature. The following disclaimer outlines the purpose of the TCR setting, its recommended range, and the risks associated with improper adjustments.

- **Preparation:** It is extremely important that TCR calibration is performed only when the heater is completely cooled down. This means the device must not be used for at least 2 hours beforehand. Calibration cannot be performed accurately if the heater is even slightly warm.
- **Recommended Range:** For optimal performance and safety, the TCR value should remain between **94 and 96 (With 96 being the standard value)**. This specification is the result of extensive software calibration and rigorous testing under varied operating conditions.
- **Recalibration Guidance:** The adjustable nature of this setting allows users to recalibrate periodically. Minor shifts in heater resistance may occur due to environmental factors, usage patterns, or material aging. Recalibration within the defined range helps maintain consistent performance and battery longevity.
- **Safety Certification:** All safety certifications for materials used were conducted within this specified range, offset by a defined **security coefficient margin**. This ensures compliance not only under standard conditions but also within tolerances that account for real-world variability and long-term reliability.
- **Risks of Improper Adjustment:** This flexibility is not intended to enable users to push the device beyond its engineered capabilities or modify its behavior based on personal preferences. Increasing the TCR value beyond the recommended range may:
 - Compromise electronic components
 - Exceed material thresholds
 - Cause overheating
 - Lead to potential injury or device failure

Limelight Herb expressly disclaims any liability for damage, malfunction, or injury resulting from improper TCR adjustments outside the specified range. Users are strongly advised to follow manufacturer guidelines and avoid unauthorized modifications.

Responsible use ensures both safety and longevity of the device.



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Follow these steps to recalibrate the TCR setting:

1. Preparation

Ensure the Frolic is powered off, cooled down, and at room temperature (22– 24°C / 72–75°F) - meaning don't use or power on the device for at least 2 hours before performing TCR calibration.

2. Enter Calibration Mode

Press and hold the power and up buttons simultaneously for 10 seconds. The Frolic will begin to vibrate. Press the power button three times in quick succession as soon as vibration starts.

3. A screen will appear showing the current cold resistance value and the TCR value — The resistance value should read between 0.105Ω and 1.150Ω.

4. Set TCR Value

Adjust the TCR setting to fall within the recommended range of 96.

5. Confirm Settings

Press the power button five times in succession to save and exit calibration mode.

6. Resume Use

Power on the Frolic and use as usual. The device is now recalibrated for optimal performance.

Note: Upon entering the calibration screen, the displayed TCR value may appear **one unit higher** than previously set. This is a known behavior caused by holding the **up button** during entry into the setup menu. It does not affect actual performance and can be adjusted accordingly during recalibration.

