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.

- ✅ **Recommended Range:** For optimal performance and safety, the TCR value should remain between **94 and 96**. 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 mod is powered off, cooled down, and at room temperature (22–24°C / 72–75°F).

2. **Enter Calibration Mode**
   Press and hold the power and up buttons simultaneously for 10 seconds. The mod will begin to vibrate, indicating entry into calibration mode.

3. **Access TCR Screen**
   Press the power button three times in quick succession. A screen will appear showing the current resistance value — it should read approximately 0.11Ω.

4. **Set TCR Value**
   Adjust the TCR setting to fall within the recommended range of 94–96.

5. **Confirm Settings**
   Press the power button five times in succession to save and exit calibration mode.

6. **Resume Use**
   Power on the mod 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.

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