

# RootLog

## Owner's Manual

Private Environmental Logger

Welcome to RootLog. You now own a dedicated, privacy-focused environmental monitor. Unlike smart home devices that send your data to the cloud, RootLog keeps everything local. All measurements are stored securely on a MicroSD card for your eyes only.

### What RootLog Monitors

- 1 Temperature (°C): Precision thermal monitoring.
- 2 Humidity (%): Relative humidity for comfort and mold prevention.
- 3 Pressure (hPa): Barometric pressure readings.
- 4 Air Quality (eCO2 & TVOC): Indicates when ventilation is recommended.

### Getting Started

#### Step 1: MicroSD Card

Format a MicroSD card to FAT32 and insert it into the slot. Ensure it is fully seated before powering the device.

#### Step 2: Power Up

Connect a USB-C cable to a 5V power source. During boot, the display will show system status. If 'SD Fail!' appears, recheck card formatting and insertion.

### Using RootLog

#### Display

The OLED shows live environmental data. Depending on firmware, the screen may dim automatically to extend lifespan.

#### Button Control

- 1 Short Press: Cycle through data screens.
- 2 Long Press (2s): Enter Deep Sleep mode. Press again to wake.

### Data Analysis

Each day is saved as a CSV file named by date (DD-MM-YYYY). Files can be opened with Excel, Google Sheets, or similar software to visualize trends over time.

### Specifications & Safety

- 1 Input Power: 5V USB-C (500 mA minimum).

- 2 Operating Temperature: 0°C – 50°C.
- 3 Storage: MicroSD up to 32 GB.
- 4 Warning: Device is not waterproof. Avoid high■condensation environments.