

TMV Monitor Unit Setup Guide

Quick Installation & Wi-Fi Configuration Guide

Follow the steps below to connect your TMV Monitor to your Wi-Fi network and complete the initial configuration.

Step 1 – Power the Device

Connect the TMV Monitor using a USB-C power supply. The device will automatically start.

Step 2 – Wait for Portal Mode

The status LED will remain RED for approximately 30 seconds while the device attempts to connect to a previously configured Wi-Fi network. If no network is found, the LED changes to BLUE, indicating that the device has entered Portal Mode.

Step 3 – Connect to the Setup Network

Using your smartphone or tablet, open the Wi-Fi settings and connect to the network named TMV_Setup_xxxxxxx (the last characters are unique to your device).

Step 4 – Open the Configuration Portal

After connecting, the WiFiManager portal will appear automatically. If it does not, open your browser and navigate to 192.168.4.1, then select 'Configure WiFi'.

Step 5 – Enter Wi-Fi Details

Enter your Wi-Fi SSID (network name) and password, ensuring the credentials are correct before continuing.

Step 6 – Set the Admin Key

Replace the default Admin Key with a strong, unique password. Store this key securely as it is required to make future configuration changes from the web dashboard.

Step 7 – Configure Sensor Offsets (Optional)

If the temperature probes drift over time, enter calibration offsets for the Hot, Cold and Mixer sensors. Leave these values at 0.00 if no calibration is required.

Step 8 – Save Settings

Press Save and wait a few seconds while the configuration is written to the device. The monitor will then connect to your Wi-Fi network.

Step 9 – Re-enter Portal Mode

If you need to change the settings later, disconnect the power. Press and hold the Portal push button with a small pin or needle, reconnect power while continuing to hold the button for approximately 4 seconds, then release it when the LED turns BLUE.

LED Status Indicators

-  Red – Device is starting and attempting to connect to Wi-Fi.
-  Blue – Portal Mode is active and ready for configuration.
-  Green – Device is connected to Wi-Fi and operating normally.

Important Notes

- Keep your Admin Key in a safe place.
- Use a stable 5 V USB-C power supply.
- Ensure your Wi-Fi network operates on the 2.4 GHz band if required by the device.
- After changing Wi-Fi settings, allow up to one minute for the device to reconnect.

