

# Campus IT and installation

A short checklist for the network team and the installer.

## 01 Network access

Provide a **2.4 GHz Wi-Fi** network (802.11 b/g/n) with an SSID and shared passphrase. WPA2-Personal is the recommended campus IoT setup. Qualify WPA3-only configurations with your installation. The mobile setup does not provision 802.1X identity/certificates or a campus captive-portal login.

## 02 Outbound connections

**HTTPS / TCP 443:** api.terrestream.com for authenticated device telemetry, claiming and firmware services. Allow DNS resolution and DHCP on your network. **NTP / UDP 123:** pool.ntp.org, time.nist.gov and time.google.com. Cloud telemetry requires a valid time synchronization. Do not intercept device TLS; use an approved inspection exemption.

## 03 Network identification

Register the device on the approved IoT network if your campus uses MAC allowlisting. IT can identify its Wi-Fi MAC in the access point or DHCP client list during setup. No Internet-facing inbound port or campus firewall forwarding is required for cloud monitoring. Keep optional local HTTP/MQTT access limited to trusted network segments; it is separate from the Facilities cloud service.

## 04 Install and assign

Use continuous USB-C power and an approved power adapter. Place the sensor where it samples the room of interest, with its air openings clear and away from direct heater discharge, sunlight, water and drafts that would distort the intended measurement. Sign into the Terrestream mobile app with your commercial account, complete normal Bluetooth/Wi-Fi setup, and select or create the building and room.

## 05 Confirm coverage

Confirm current readings arrive in the assigned room before relying on coverage. Leave power and Wi-Fi available during holidays. A powered sensor may continue local measurement without cloud connectivity, but the dashboard cannot establish current conditions without fresh readings. Restore connectivity or arrange a room check. Local access also requires a working local network.