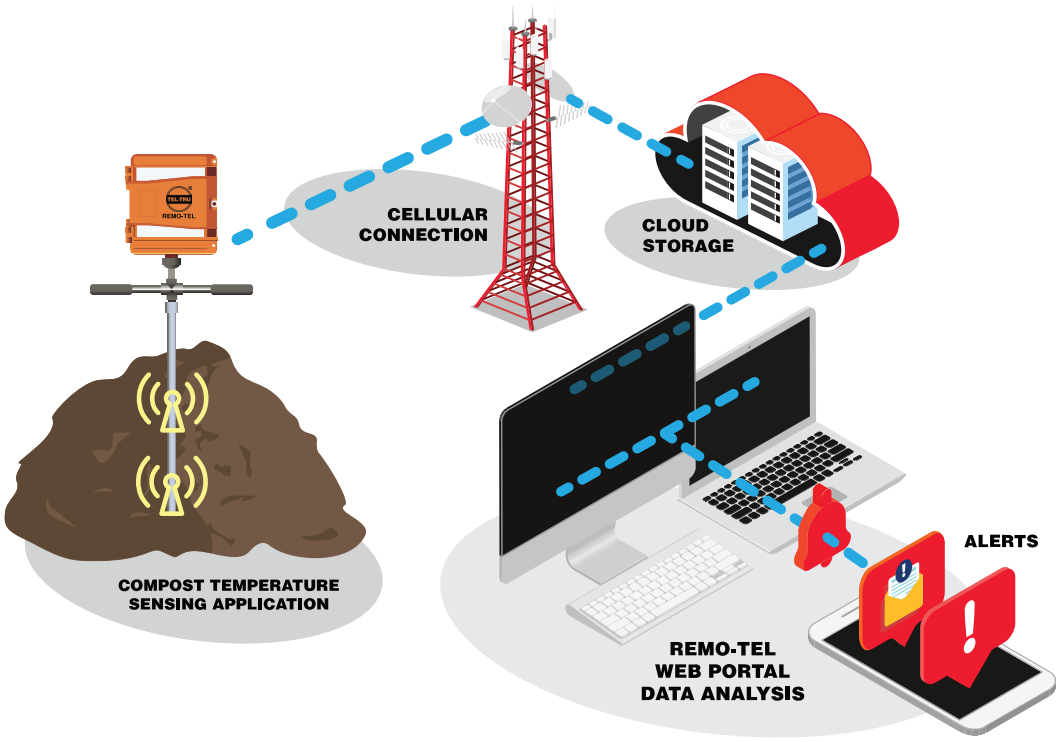
REMO-TEL™ COMPOST INSTRUCTION MANUAL

TEL-TRU® TEMPERATURE SOLUTIONS

Customer Focused Since 1916.

The Remo-Tel is a temperature monitoring device that uses cellular signals to relay data to a cloud service that tracks temperatures online.



WARNINGS

- The pointed tip of the probe is VERY SHARP. Please use caution when handling. Always transport the device with the pointed tip towards the ground and away from others. When not in use, cover the pointed tip to prevent accidental injury. You can use the red protective cap that the probe was shipped in.
- Avoid dropping the device. Dropping the device could cause damage to the internal components.
- Avoid over flexing the probe. Over flexing the probe could cause permanent damage to the sensors.
- Always secure the latches of the enclosure before you walk away. The enclosure is designed to comply with IP65 requirements, however, if the front panel of the enclosure is left open, the elements may damage the internal components.
- Clean and store the device in a safe manner. When not in use, wipe the probe clean of any residual compost material with a wet cloth and store the device with the point tip covered and pointed towards the ground or lay the device flat on the ground and away from foot traffic.

1. GETTING STARTED

1.2 Before You Get Started

- Open the packaging for your new REMO-TEL device and remove the contents.
- Look for a small box inside the shipping container, which contains (2) removable handles, (2) battery packs and a battery charger.
- Fully charge battery packs before first use. The LED indicator light on the charger will be red when charging and turn green when fully charged.
- Install the (2) handles by threading them onto the cross-shaped fitting just below the enclosure.

1.3 Registering a Device

1.3.1 Go to www.teltru.com/remotel

- Click on “Login” at the top of the page
- Click on “NEW MEMBERS SIGN UP HERE”
- Follow instructions for creating a new account

1.3.2 Adding Organizations and Devices

- Click “Add Organization” and fill out the form
- Select “Add Device” under your selected organization
- Enter the unique alphanumerical Serial Number (located inside the enclosure, below the QR code)
- Enter your payment method for you device subscription
    - Select “Add Device” under your selected organization
- Enter the unique alphanumerical Serial Number (located inside the enclosure, below the QR code)
- Enter your payment method for you device subscription

Video tutorial for the Remo-Tel (Industrial and Compost devices) here:
https://www.youtube.com/watch?v=fQ031JEWpUs

1.4 Power Button/LED Status Light

The power button is accessible by opening the enclosure’s front panel. The LED status light is located above the power button.

1.4.1 Powering ON and Startup Sequence

- Place a fully charged battery pack inside the secure pouch within the enclosure and plug it into the power jack.
- Press the power button. The LED status light will start flashing yellow when the button is released, which will begin the initialization process.
- After about 5-10 seconds, the LED will change to a blinking green to signal that the device has established a connection with the nearest cell tower and is registering with the server.
- After another 5-10 seconds, the LED should change to a slow flashing blue to signal that the device is normally operating and actively monitoring the environment.
- Once the device has completed its startup sequence, the first temperature data point will be collected and uploaded to the REMO-TEL Online Dashboard.
- NOTE: After the device is first powered on, it can take up to 30

1.4.2 Powering OFF

- To power off the REMO-TEL, press and hold the power button until the LED status light turns off
- You can power off the device at any time to conserve battery

2. INSTALLATION

2.1 Installing Probe

To achieve the most accurate temperature readings, we recommend inserting the probe at the center of the compost pile.

- If you have not already, install the supplied removable handles by threading them into the cross-shaped fitting just below the enclosure.
- When inserting the probe into a compost pile, push down on the handles (DO NOT push on the head of the device).
- If you hit a hard object when inserting and the probe starts to flex, DO NOT try to force the probe through the object. Pull out the probe and try inserting it in another area.
- We recommend fully inserting the probe up to the handles to ensure you get the best data profile possible. Minimum pile height recommended: 48”

3. LED STATUSES

Signal	Status	Notes/Action
Slow flashing blue	Device is working normally and actively monitoring the environment	Normally operating
Quick flashing blue	Upload of data or alert	You will see new data on the dashboard or receive an alert
Flashing yellow	Device is initializing	Normal start-up when initializing
Solid yellow	Subscription plan not started	Activate your subscription plan
Flashing green	Device is connected with the nearest cell tower and is registering with the server	Stage two of the start-up sequence
Solid green	Device is connected to the server, but cannot detect the sensors	Reset device. If issue persists, email customerservice@teltru.com.
Solid red	No cellular reception	Try a different location for better reception
Red/Yellow Alternating Flashing	Device is not registered or subscription service has not started/expired	Register your device or update subscription plan
Red/blue alternating flashing	Sensor unplugged or not working	Reset device. If issue persists, email customerservice@teltru.com.
Green/blue alternating flashing	Device is downloading new firmware	DO NOT REMOVE POWER during this process
No light	Device has been turned off or the battery is dead	Restore power or charge battery

4. NAVIGATING THE REMO-TEL DASHBOARD AND VIEWING DATA

4.1 Remo-Tel ORGANIZATIONS

Organizations can be helpful if your company consists of multiple locations and/or facilities.

- **Create an account and log into https://www.teltru.com/**
- **Click on your account profile above the search bar on the home page**
- **Under Account Information, click "View Your Remo-Tel Organizations"**
- **Click "+ Create"**
- **Set a name for the organization**
- **Once created, you can add Sub-Accounts for additional personnel that need to view the dashboard**
  - – Set their User Role and permissions
    - **- User**
      - View device data
      - Change device properties (if permitted)
    - **- Manager – same permissions as a User, plus:**
      - Add/remove sub-accounts
      - Assign permission to users to access specific devices
      - Promote/demote users/managers
    - **- Leader – same permissions as a Manager, plus:**
      - Add/remove devices
      - Change organization properties
      - Manages payment
      - Only one leader per organization (the creator)
  - – They will also need to create an account at **https://www.teltru.com/** to view the dashboard.

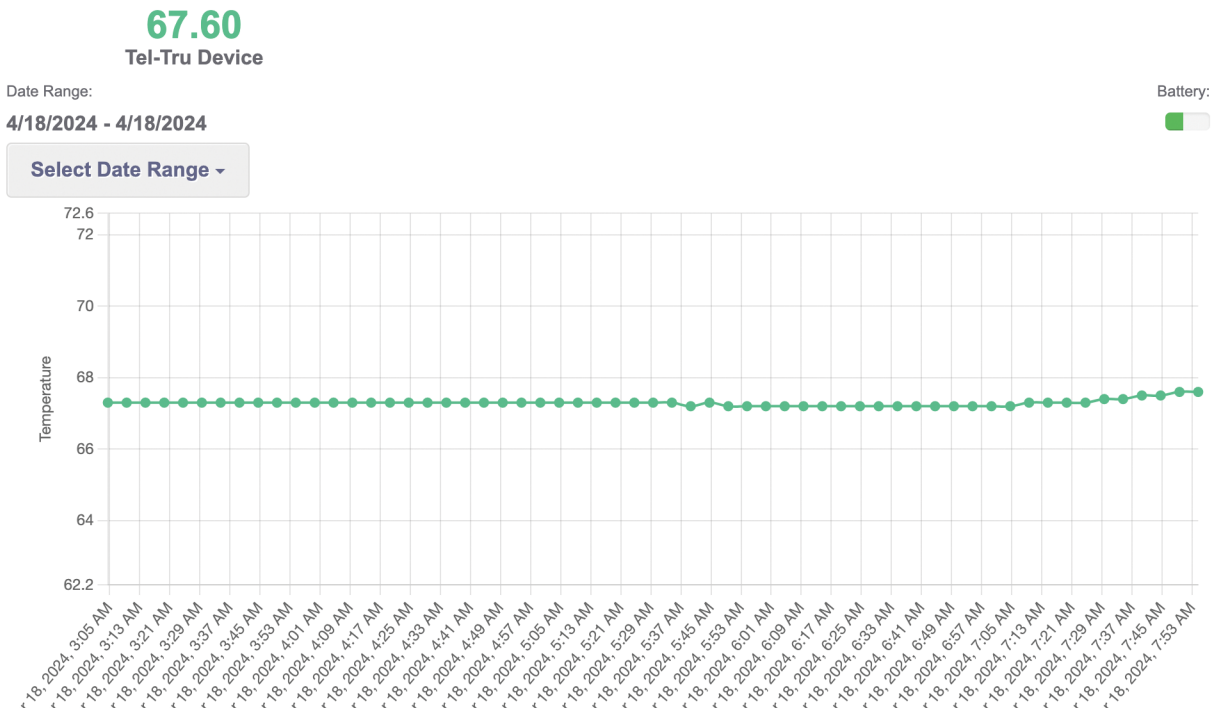
- **Add Devices to your Organization**
  - – Enter the unique alphanumerical Serial Number (located inside the enclosure, below the QR code)
  - – Fill out the rest of the form
  - – Click "Add Another Device" or "Continue to Payment"

4.2 Device Settings

- **Click "Settings" next to an activated device**
- **Remo-Tel Compost has three digital sensors**
  - – The sensor with the ID labeled" Default" is the top sensor, located in the probe, 24" below the device handles.
  - – The next two sensors are in sequential order, located at 36" and 48" below the device handles.
- **Click "Edit" next to each sensor to set a new name**
  - – We recommend to rename the sensors something like:
    - - Sensor 1, Sensor 2, Sensor 3
    - - Top Sensor, Middle Sensor, Bottom Sensor
    - - 24" Depth, 36" Depth, 48" Depth
- **Under "Alerts", you can set the desired temperature safe range for each sensor**
  - – Click "Edit" next to each sensor
  - – Enter the maximum and minimum temperatures
  - – Units are in Fahrenheit

- **Under "Notifications", you can set which users will receive alerts**
  - – Click "Add Notification"
  - – Select Alert Type
  - – Select Notification Type
  - – Enter email or phone number
  - – Enter a message to be displayed or read aloud when your Alert Type is triggered

DATA: Review the data at **teltru.com/remotel**

4.3 Viewing Data

- **Click on "View Data" next to a device**
- **If the device is powered on with an active subscription, you will see a graphical representation of the data**
- **Click "Select Date Range" for preset ranges or enter a custom range**
- **Click "Previous" or "Next" to index the day, week, etc.**
- **Click "Download as CSV" above the graph to download the data for the selected date range into a comma-separated value file which is readable in Microsoft Excel**
- **Click "Refresh Graph Every 5 Minutes" if you are actively monitoring the device**
  - – This automatically refreshes the page every 5 minutes