



# PT10 Installation Guide



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The PT10 is a cellular device that can be used for telematics application. The PT10 can be powered with a basic power-only connection (aka 2-wire). The PT10 can also monitor the ignition pin (3-wire installation).

The PT10 uses a single external interface. The interface is a 7-pin connector Molex Micro-Fit 3.0™ P/N 04365-00722.

The mating connector is the Molex 04645-0700.

## Pinout

The pinout of the connector is specified in the following table:

| PIN | FUNCTION  | DETAILS / RANGE           |
|-----|-----------|---------------------------|
| 1   | UART TX   | Accessories UART Transmit |
| 2   | UART RX   | Accessories UART Receive  |
| 3   | OUTPUT    | Open Drain Output         |
| 4   | INPUT 2   | 3 to 32V                  |
| 5   | INPUT 1   | 3 to 32V                  |
| 6   | POWER GND | 0V                        |
| 7   | POWER IN  | 6 to 32V                  |

The device should be powered from pins 6 and 7.

The device can use a 3 wire cable or an OBDII Y cable. Note that when using the OBDII cable option, there is no ignition detection and no connection to the vehicles computer. The OBDII cable simply powers the device.

## LEDs

The PT10 includes two LEDs : ORANGE and BLUE.

The following table summarizes the functionality of the ORANGE LED:

| LED State | Meaning  |
|-----------|--|
| Off       | GPS power management engaged. GPS is turned off, GPS backup clock is ON. |
| Blinking  | GPS is in acquisition mode   |
| On        | GPS signal is locked   |

Note: The GPS may go into power management mode for example when the PT10 detects that the vehicle is not moving.

The following table summarizes the functionality of the BLUE LED:

| LED State        | Meaning                                      |
|------------------|--|
| Off              | The cellular subsystem is off                |
| One blink / 10s  | The cellular subsystem is not searching      |
| Two blinks / 10s | No SIM card detected                         |
| Fast blink       | The cellular network has rejected the device |
| Slow blink       | The cellular subsystem is searching          |
| On               | The cellular subsystem found a network       |

**Rastrac** | Michael | 6/8/2022 10:01 AM | 8.1.3341

**Fleet Health** (Last 24 Hours)

- Not Reported: 21/49
- Fleet Usage: 57%
- Idle Time: 1 Minutes
- Speeding Incidents: 76
- Temperature Out Of Spec: 0
- Battery Health: 91%
- Maintenance Due: 31

**Updates (44)**

| Vehicle | ID              | Time                    | Address   | Speed  | Received                | Lake Depth/Altitt |
|---------|-----------------|-------------------------|---|--------|-------------------------|-------------------|
| 2630WP  | 4675008942      | May 25, 2021 9:27:49 AM | Location: Rastrac, 12054 Jeckel Cir, Austin, TX, 78727        | 94 mph | May 25, 2021 9:28:10 AM | 64                |
| BeMini  | 866349042637367 | Jun 8, 2022 3:06:35 AM  | Location: Rastrac, Austin, TX, 78759                          | 0 mph  | Jun 8, 2022 3:06:35 AM  |                   |
| BeSol   | 864475043993319 | Jun 7, 2022 10:37:20 PM | Location: FMT 290, 9743 US-290 E, Austin, TX, 78724           | 0 mph  | Jun 7, 2022 10:37:20 PM | 6C                |
| Bolt    | 355154085762140 | Jun 8, 2022 2:41:36 AM  | Location: MW Home, 6162 Prospect Hill Dr, Granbury, TX, 76049 | 0 mph  | Jun 8, 2022 2:41:39 AM  | 7C                |
| Camry   | 184600670       | Jun 8, 2022 9:44:01 AM  | Location: MW Home, 6162 Prospect Hill Dr, Granbury, TX, 76049 |        | Jun 8, 2022 9:44:08 AM  |                   |
| Diana   | 204002624       | Jun 8, 2022 8:37:22 AM  | Location: Rastrac, Austin, TX, 78759                          | 0 mph  | Jun 8, 2022 8:37:24 AM  | 94                |

**Map** | Satellite

Map showing a residential area in Austin, Texas, with a red circle highlighting a specific location. The map includes labels for various neighborhoods such as Forest at the Villages of Spicewood, Tanglewood Estates, Barrington Oaks, Oak Forest, and Rain Tree Estates. A red circle is drawn around a location near the intersection of US-183 Hwy and Research Park Loop, with a label that reads "Prime Mini Pod Demo - iPhone - jerr".

Log-in to your Rastrac account to verify that the units are installed and reporting correctly. It could take up to 15 minutes for the device to send in its initial report. Your current address and location should be displayed.

For any questions or help, contact Rastrac support at (512) 918-0700.