



System Verification and Configuring the TT150 LTE

After installing the TT150 and verifying the LED lights indicate the device can communicate and has a GPS fix, you need to use the TT150 Field Service Tool (FST) to configure the device. The TT150 FST requires a mobile device with internet connectivity.

1. Log in to the TT150 FST at <https://services.omnitracs.com>
2. Enter the TT150 device's serial number and tap
3. Verify the following diagnostics information:
 - a. Last communication section is green
 - b. GPS Status section is green
 - c. Power and Battery section is green
4. Tap the to edit the Trailer ID.
 - a. Enter a new trailer ID
 - b. Ensure the SCAC is correct
 - c. Ensure Initial Installation is selected as the reason
 - d. Tap Save.
5. **Optional** — Turn the LEDs off to avoid drawing attention to the TT150.



Installing the TT150 LTE — Mounting

1 Install the TT150 LTE

1. Select a location to install the TT150 device.
2. Place the TT150 device over the desired install point and mark the location of the two holes in the flanges.
3. Preparing the mounting location:
 - If mounting with rivets — Remove the TT150 and using a 3/16" bit, drill holes where you marked (do not drill through the flanges on the TT150).
 - If mounting with VHB tape — Clean both surfaces thoroughly using the provided alcohol wipes.
4. Attach the TT150 to the trailer with the appropriate rivets or VHB tape. Be sure to position the TT150 device so the LEDs are visible and the cable is routed down or to the side.

2 Installing Power Connections

1. Cut the power cable as needed, leaving a little slack for making 7-way power connections.
2. Drill a 7/8" hole for the cable in the 7-way box or use existing hole or entry grommet.
3. Route the power cable into the 7-way and strip 4" from the cable shielding and 1/4" from the red, white, and black wire insulation.
4. Crimp the supplied ring terminal to the black wire.
5. Crimp a fuseholder to the red and white wires (red and white wires will be mated together to 1 fuse holder).

Troubleshooting

Blinking Orange Comm LED or TT150 LTE Not Showing on FST or Portal

When first powering up a TT150 terminal, it is best to apply steady 12 volts of power via the 7-way for three to five minutes until both LEDs show solid. On first boot up, the TT150 terminal waits for steady power before it attempts to register with the network and the Trailer Tracks Portal.

If this issue persists, reapply power to the 7-way connector for five minutes. If the LED continues to blink, check the white, blue, and brown wire connections at the 7-way connector and reapply power to the 7-way for five minutes.

Blinking Green GPS LED

If the green GPS LED continues to blink the TT150 is not able to receive signal from the GPS satellites. If this condition persists, it is likely there is a metal obstruction blocking the GPS signal. If the trailer is in a shop, move it outside. If this issue still persists, relocate the TT150 on the trailer so it has a good, unobstructed view of the sky.

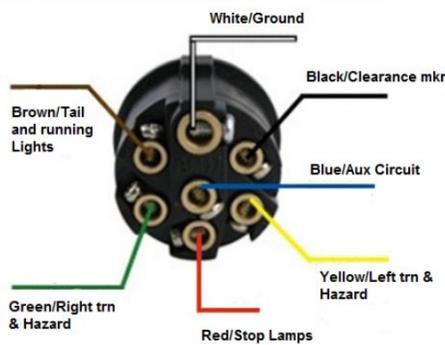
Red Indications on FST or Other Issues

For more detailed information, including instructions and descriptions for all fields on the TT150 FST, please reference the TT150 Installation and Troubleshooting Guide (80-J7616-1).

Installing the TT150 LTE — 7-Way Power

3 Connect to the 7-Way Power

1. Attach the black wire to the 7-way ground post.
2. Attach the red/white wire fuseholder to the 7-way auxiliary circuit.
3. Connect the power harness to the TT150 terminal by sliding the keyed connector over the pins and then securing with the threaded outer ring. Do not over-tighten.
4. Button up the 7-way and use silicone sealant around the cable.
5. Secure the cable with the supplied "P" clamps or supplied zip ties.



For complete instructions, refer to the *TT150 Installation and Troubleshooting Guide (80-J7616-1)*.

Obtaining Return Material Authorizations (RMAs)

Before removing a potentially defective component, consult the *TT150 Installation and Troubleshooting Guide (80-J7616-1)*.

You need the Serial Numbers of both the old and new units.

Initiate the RMA request first in order to obtain a replacement. Once you have received the replacement unit follow the standard installation steps up to configuring the unit in the TT150 FST. When entering the Trailer ID for the trailer the device will be assigned to, select RMA Replacement/Swap instead of Initial Installation as the reason for change. This will unassign the defective TT150 device and assign the replacement TT150 device to the trailer.

Initiating an RMA Request

1. Log in to Omnitracs Customer Portal at <https://customer.omnitracs.com>.
2. Click the **Returns** icon.
3. Click **Continue** under **Initiate RMA**.
4. After you are issued an RMA number, a replacement will be shipped.
5. Return the defective device within 30 days.

Installation Verification

Once the TT150 has been powered on, installer should check the Communication and GPS LEDs to confirm the device is able to communicate and get a GPS fix.

The LED lighting indicates different statuses. Use the below guides to interpret the status.



GPS LED (Green)		Communication LED (Orange)	
Status	LED Lighting	Status	LED Lighting
GPS Off	Off	Modem Off	Off
GPS Searching	Blinking	Searching for Network	Blinking
GPS Fix Successful	Solid	Communication Successful	Solid

Regulatory Compliance Information: FCC/IC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Caution

The TT150 is not certified as being intrinsically safe (IS). Do not install or operate in areas where IS certified devices are required.

This equipment should be installed and operated with minimum 20 cm between the radiator and body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC/IC.

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