An RMA number is needed before returning defective components to Omnitracs. To obtain an RMA number, log into the Omnitracs Customer Portal: https://customer.omnitracs.com.

RMA's are issued for defective individual components only.

**Do not return the entire bag.**

If you have an RMA number that authorizes the return of the MASI10:

1. Disconnect the power.
2. Open the battery door with a #10 Torx wrench.
3. Disconnect the battery and store it in a safe place.
4. Secure the battery door.
5. Disconnect the cables.
6. Snip the fasteners that attach it to the bag.

Installing the replacement MASI10 is simple because each cable fits only one receptacle. Use the new fasteners and ties to secure the hardware and cables.

**NOTE: REMOVE THE BATTERY before you return the MASI10. The replacement will NOT ship with a battery. Including it will result in a disposal fee and require the purchase of a new battery.**

The MCP110 is the next generation hardware for the MCP100 Series platform. The MCP100 Series is specifically engineered to optimize transportation company operations.

This portable unit offers terrestrial and Wi-Fi communications.

Special features:
- Text-to-speech
- Over-the-air software upgrades
- Automatic vehicle location and position history
- Full-color display

Services offered include electronic HOS logs, navigation, internet access, scanning, and driver performance and engine diagnostics monitoring.

**What do I need to do?**

1. **Take inventory.** Make sure you have all the parts.
2. **Plan the installation.** Decide where to put each component.
3. **Install the backup battery,** if the unit is brand new.
4. **Attach the display cable to the display,** if needed.
5. **Position the hardware.** Trace all cable runs for safety.
6. **Check the connections.** Make sure nothing has come loose.
7. **Apply power.** Confirm that everything is connected first.
8. **Verify the system.** Check specific screens for feedback.
9. **Send a test message.** Let dispatch know you are on the air.

**Read or send messages with the Display Interface Unit (DIU110/200). Your company may use it for other services too, such as paperless logs. The color touch screen, five-way selector button, and text-to-speech conversation makes it easy to use.**

**What else is important?**

- **Dispatch transmits information to the Network Operations Center. It relays them over a terrestrial data network. Data returned from your vehicle uses the same network.**
- Along with electronic forms like load assignments, the MCP110 transmits and receives other data in binary computer format, such as your GPS-calculated position. The MCP110 will also transmit information and allow internet access when you are near an approved wireless hotspot.

Take the on-board tutorials to learn how to use the system or contact your driver manager for help. Each tutorial lasts between 5-10 minutes.
MCP110 Terrestrial Portable Unit

1. **Take inventory**
   - Confirm that the MCP110 Terrestrial Portable kit contains the following:
     - Display Interface Unit (DIU)
     - Wireless Interface Box (WIB)
     - Backup battery
     - Mobile Application Server (MAS110)
     - Accessory cable
     - Cigarette lighter adapter
     - AC power
     - Getting Started card

2. **Plan the installation**
   - Carefully select places for the:
     - WIB, giving it a clear view of the sky. Example: on the dash by the windshield.
     - DIU, providing you easy access without distraction. Example: on the center console.
     - Cables, making sure they do not interfere with vehicle operation. Example: far from the pedals and any foot traffic.
     - Bag containing the MAS110, finding a place where you can zip it up and keep it out of the way. I.e.: behind the seat.

3. **Install the backup battery**
   - Section 3 and Section 4 are only required **ONCE**.
   - If the unit has been used before, go to Section 5.
     1. Open the MAS110 battery door using the #10 Torx driver.
     2. Insert the battery’s plug into the socket.
     3. Replace the door.

4. **Attach the WIB**
   - 1. Insert the WIB cable’s male RJ-45 connector into the female receptacle on the WIB.
   - 2. Mate the barrel of the connector to the waterproof housing that protects the female receptacle on the WIB110.
   - 3. Twist the barrel clockwise until it clicks (less than 1/4 turn).

5. **Position the hardware**
   - Execute the plan you made in Section 2. All components should be connected, with the possible exception of the WIB. See Section 4 if you need to reattach the WIB cable.
   - Confirm that no cable will interfere with the accelerator, brake, clutch, linkage, or windshield wiper mechanism. Keep foot traffic areas clear, and avoid any sharp edges and moving parts.

6. **Check the connections**
   - Carefully examine all connections and inspect the cables. Make sure none are strained or damaged.

7. **Apply power**
   - 1. Plug the DC connector into the cigarette lighter.
   - 2. Observe the DIU as the MAS110 boots up.
   - NOTE: Boot-up can take 10 minutes. A driver warning screen appears when the unit is ready.
   - 3. Click OK on the display to access the Main Menu.

8. **Verify the system**
   - Before beginning, make sure the ignition is ON and the vehicle is parked with a clear view of the sky.
   - 1. From the Main Menu, tap the right arrow to reveal more selections, and then tap the System button.
   - 2. Tap the Diag tab to access diagnostic information.
   - 3. Tap the Run All button at the bottom to test the connections.

   - ![System](image)

   - [ ] found
   - [ ] not found

   - At a minimum, Gobi, CDD, GPS, and Backup battery must have a ✓. (CDD is a database sync test with the Network Operation Center and may take 3-5 minutes.)

9. **Send a test message**
   - 1. Press the Home icon to return to the Home screen.
   - 2. Tap the Messaging button.
   - 3. Tap the Compose tab and then the Freeform button.
   - 4. Type a test message that includes the truck number.
   - 5. Tap Yes to the question, “Send the message?”
   - 6. Tap the Outbox tab to confirm the message was sent. ✓ = yes.
   - 7. Have dispatch send you a message. If dispatch is not available, call 800-541-7490 (Omnitracs Support).
   - 8. When the message arrives, the unit chirps, announces it, and the Message Waiting LED lights.
   - 9. Tap the Inbox tab to see the subject of the message.

   - ![Outbox](image)

   - ![Inbox](image)

   - ![Message Waiting LED](image)

10. **Position the hardware (Continued)**
    - Execute the plan you made in Section 2. All components should be connected, with the possible exception of the WIB. See Section 4 if you need to reattach the WIB cable.
    - Confirm that no cable will interfere with the accelerator, brake, clutch, linkage, or windshield wiper mechanism. Keep foot traffic areas clear, and avoid any sharp edges and moving parts.

If you experience problems, call your driver manager or see the Omnitracs Mobile Computing Platform 110 Series and Accessory Installation Guide (80-JB400-1).