Upgrading the MCP110/MCP200 Using USB Memory Sticks

Introduction

An MCP110/MCP200 is normally upgraded with software by sending it over-the-air using satellite connectivity. However, there may be occasions when upgrades are necessary using USB memory sticks.

Checking the Software Versions Installed

Shortly after you power up the MCP110/MCP200, the user interface screen displays.

1. Use the left arrow to get to the System button. Tap the System button.

2. Tap the System tab. Tap the Version button at the bottom right to access system information about the MCP110/MCP200.
MCP, Win OS, and Display firmware version numbers are listed here.

Upgrading Only the MAS110/MCP200 Software

MAS110/MCP200 should be powered ON, ignition ON.

1. Insert the MAS110/MAS200 software memory stick into one of the USB ports on the MAS or onto the memory stick slot on the side of the DIU.

   a. Within one minute after the MAS110/MAS200 software stick is installed, the DIU screen will display a prompt.

   b. Select No to keep data or Yes to delete data.
c. During the upgrade process, the unit will reboot. Once the unit comes back up after the reboot, “Upgrading” will show. This takes about ten minutes.

2. After the upgrade finishes, the DIU screen will show the Driver Warning screen. Remove the memory stick and confirm the upgrade is complete by checking the MCP110/MCP200 software version on the Version screen.

3. Perform system verification.

**Upgrading the MAS OS and MAS Software**

A properly formatted and configured Omnitracs USB memory stick is needed. This stick is designed to reload the OS and software on a MAS110/MAS200.

**IMPORTANT!**

*All user data on the MAS will be removed.*

*CoPilot® Truck™ (ALK) Mapdata will be removed and will need to be reloaded (if used) after the OS is installed.*

*Do NOT disrupt power or remove the USB stick during the upgrade process as this will cause the unit to be inoperable. The entire process takes about 1 hour to complete.*

Starting with an MCP110/MCP200 system that has had power removed – no MAS LEDs on, do the following:

![System Screen with Version Information](image)
1. Put the USB memory stick in a UBS port on the MAS. This process will NOT work using the DIU USB port.

2. Have the keyboard open and be ready to press the F11 key. On an MAS110, a USB keyboard will need to be attached to a USB port on the DIU or MAS.

3. Power up the unit and wait for the large logo with a black background to appear (usually only a matter of seconds for it to appear). Press and hold the F11 key while the logo is shown on the screen.

4. Once the window shows that allows selection of the available boot devices, release the F11 key and down arrow and select to boot off the USB memory stick. Then press the Enter key. If the pop-up window does not show, you’ll need to remove power, wait for all the MAS LEDs to go off, and start over at step 2.
Within a minute the unit will start the OS upgrade. The screens below will be displayed.
The OS upgrade will automatically start. At about 30 minutes, the system will reboot after the OS components are copied and verified. A SQL install process will take place. The SQL build process takes about 10 minutes. Do NOT touch the screen or any of the prompts that may be displayed. The OS installation will be complete when the screen noted below is displayed.

5. A keyboard will show in the forefront. Close it out by tapping the red circle at the bottom left. Verify both bars are green. If both bars are green, go to the next step. If either of the bars are red, tap the Fix Message Queuing button and ensure both bars turn green before proceeding.

6. At the System Check screen, press the Install Application button. This will start the software application installation.

When the application software installation is complete, the screen will show a Driver Warning (takes about 15 minutes).
7. Now, run a complete system verification (e.g. System/Diag - Run All, verify tests show appropriate green check marks, successfully send test message, successfully receive test message, verify volume for text-to-speech).

**NOTE**
The logs of the OS installation will be stored in a folder on the unit. In the event of a problem, this log file can be viewed at C:\OsUpdate\Osupdate.txt.

For technical questions, contact Omnitracs Customer Support. Customer Support is staffed 24 hours a day, 365 days a year:
- In the United States, call 800-541-7490
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