



**Advanced
Industrial
Devices**

OptiPump HPS

Making Complex Applications Simple

Firmware Upgrade Instructions

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SD Card - Save/Load Parameters & Upgrade Firmware > Upgrade

The OptiPump HPS controller supports field upgrades of the controller firmware. Controller firmware upgrades provide bug fixes and new features. However, technical support and/or engineering should be consulted prior to installing a firmware upgrade, in order to fully understand the changes between the firmware versions and the impact the changes may have on the operation of the equipment at the installation site.

The firmware upgrade file must be located in the SYSTEM folder on the microSD card, and end in the .C10 file extension.

Firmware upgrades may be installed using two methods.

Method 1 - Configure > System > SD Card - Save/Load Parameters & Upgrade Firmware

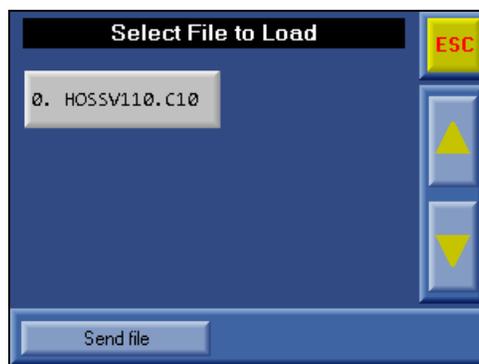
Method 1, the recommended method, uses the standard configuration interface to install firmware upgrades, and is the most user-friendly method of performing this function.

The upgrade file must exist in the SYSTEM folder on the microSD card. The upgrade file is often provided via email. The microSD card should be removed from the controller, and the supplied .C10 firmware upgrade file should be copied to the SYSTEM folder on the microSD card. Once the .C10 firmware upgrade file has been copied, the microSD card must be reinstalled in the controller.

The SD card status should indicate that the microSD card is present and OK.

Press the green Upgrade button to start the process.

A list of the firmware upgrade files in the SYSTEM folder will be displayed. Press the desired firmware upgrade file to be installed, then press the Send File button.



The controller will switch to the firmware upgrade mode while the process is ongoing, and will automatically reboot after the process completes.

The success or failure of the controller firmware upgrade process can be verified by checking the version of the firmware shown in the upper right corner of the Home screen with version displayed prior to the start of the firmware upgrade process.

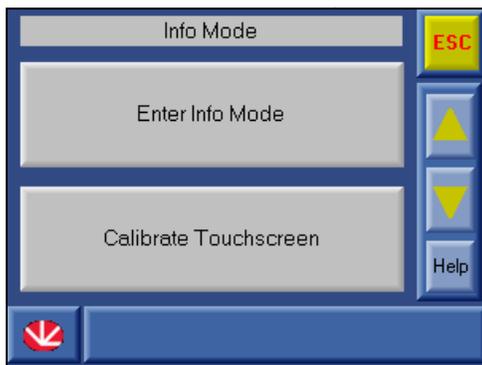
Method 2 - Info Mode

In the event that the controller firmware upgrade process does not correctly load using the standard configuration interface, a special mode, called Info Mode, may be used to upgrade the controller firmware outside of the standard configuration interface.

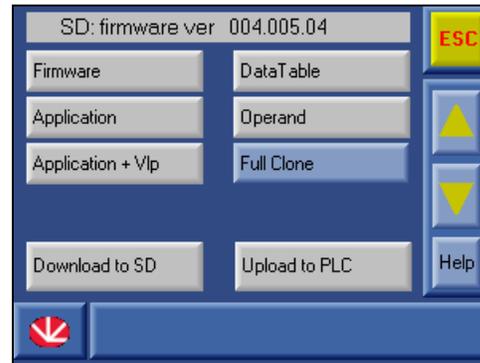
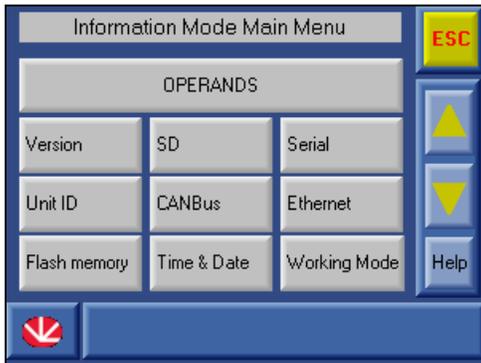
The upgrade file must exist in the SYSTEM folder on the microSD card. The upgrade file is often provided via email. The microSD card should be removed from the controller, and the supplied .C10 firmware upgrade file should be copied to the SYSTEM folder on the microSD card. Once the .C10 firmware upgrade file has been copied, the microSD card must be reinstalled in the controller.

While on the **Configure > System > SD Card** screen, press and hold the anywhere in the black background area below the **SD Card - Save/Load Parameters & Upgrade Firmware** section. After a few seconds, the Info Mode screen will appear.

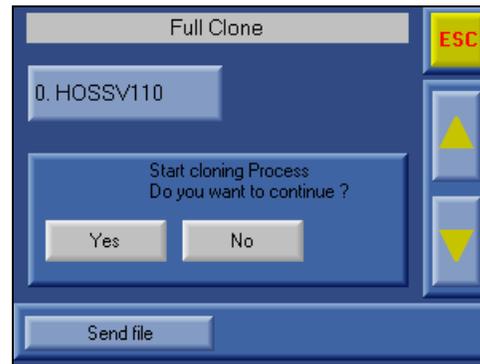
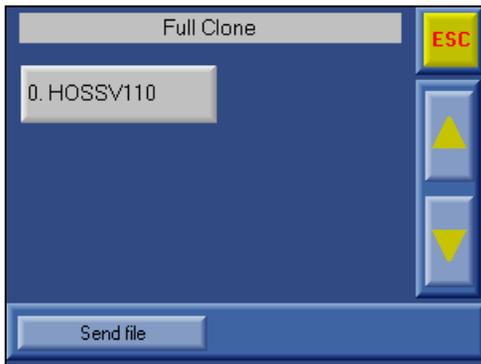
Press the Enter Info Mode button, enter the password "1111", and press Enter.



Press the SD button, then press the Full Clone button. When the Full Close button is pressed, the Upload to PLC button at the bottom of the screen will become active. Press the Upload to PLC button.



A list of the firmware upgrade files in the SYSTEM folder will be displayed. Press the desired firmware upgrade file to be installed, then press the Send File button. The controller will request confirmation of the firmware upgrade process. Press the Yes button to initiate the transfer process.



The controller will switch to the firmware upgrade mode while the process is ongoing, and will automatically reboot after the process completes.

The success or failure of the controller firmware upgrade process can be verified by checking the version of the firmware shown in the upper right corner of the Home screen with version displayed prior to the start of the firmware upgrade process.



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