

FW Murphy Centurion™ C3 Download Guide using MTransfer v1.4.16  
January 7, 2013

**1.0 General Information**

- 1.1 The Centurion Control system consists of a Centurion Core (C3-1) and Display (C3-3).
- 1.2 At a minimum, configuration is required for the Centurion Core and for the Display to operate by downloading the same Configuration (MCP) file twice using MTransfer to each device.
- 1.3 Periodically, FW Murphy may provide new firmware releases, and these can be installed to the controllers using MTransfer as well.
- 1.4 The files are transferred to the components using MTransfer and a USB connection to the components.
- 1.5 MTransfer must be installed on the PC used for the file transfers. Access the license agreement and installation from the link below.

[http://www.fwmurphy.com/support/software\\_license.htm](http://www.fwmurphy.com/support/software_license.htm)

After reading this, click on the link shown at the bottom of that page.



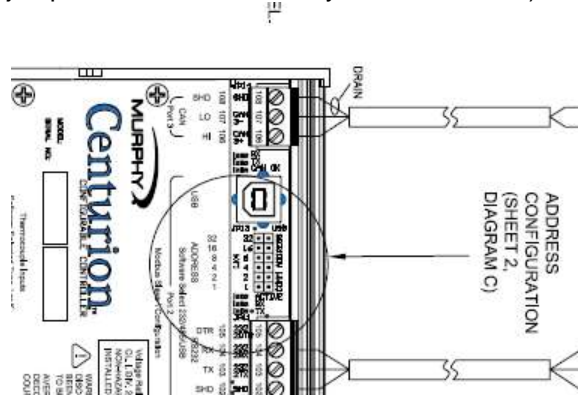
- 1.6 For downloads using USB ports outlined below, install the USB Driver setup.exe software.
  - 1.6.1 Visit the website link: <http://www.fwmurphy.com/support/software.htm>
  - 1.6.2 Click the links on the page below, and print this document for instructions and USB driver installer for the USB driver.
    - **PC drivers for Centurion and Centurion Plus controllers:**
      - [USB Drivers for Windows XP/Server 2003/Vista/7](#) (Executable File for Silicon Labs CP210x USB to Serial Bridge v6.5 driver; 6950kB; Updated 05/2012 to include digitally signed Windows 7 64 bit driver) **Note: This driver is required for the Centurion product family.**
      - [USB Driver Installation Guide](#) - updated 01/2012 for v6.5 (PDF File)
  - 1.6.3 Use the USB Driver Installation Guide to install the software, and determine the COM port assignment for the Centurion controller on your PC. **Remember this number for future configuration transfers.**

## 2.0 Downloading Configuration to Centurion Core (C3-1)

- 2.1 Connect the PC to the Centurion Core mounted inside the panel using a standard Type A to Type B USB cable.



- 2.2 Remove all address jumpers from LK4 located near the USB connector, and cycle power to the controller OFF and back to ON. (NOTE: Take note of the original position of the jumpers to reinstall correctly after download.)



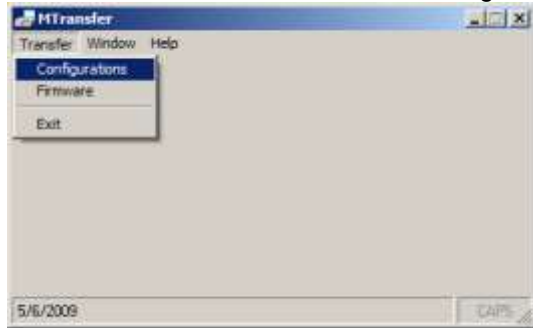
- 2.3 The Core is now ready to receive the download from the PC.
- 2.4 Run MTransfer software by double-clicking the MTransfer shortcut on the desktop.



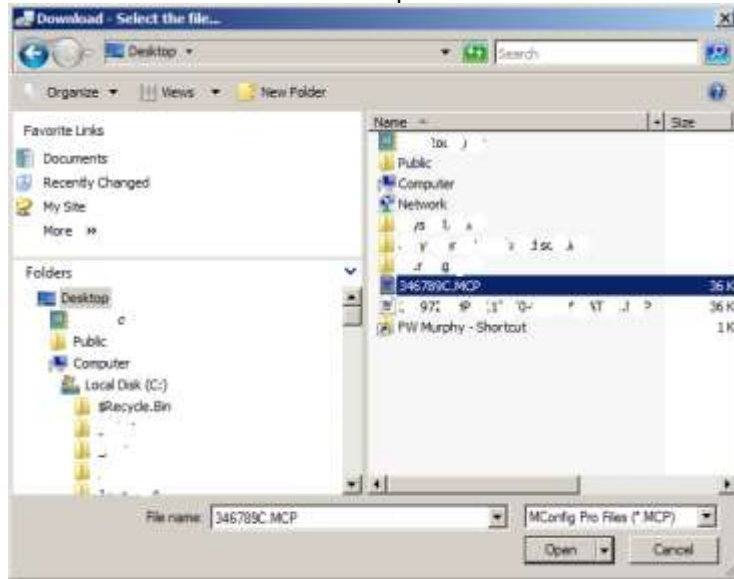
- 2.5 A pop-up window will appear...choose Centurion / WPC System then click NEXT.



2.6 Click Transfer menu, then Click on Configurations.



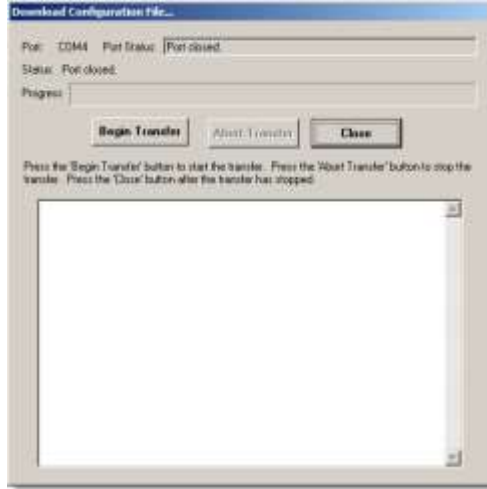
2.7 Navigate to the location of the configuration file supplied by FW Murphy from the dialog, and click OPEN. NOTE: You may need to change the selection for the Files to Type to find the file type that you wish to download. In most cases, this will be \*.MCP; however, other file types are available for specific configuration types. In the example below, the MCP file is located on the desktop



2.8 The Configuration Download window appears. Select Centurion / WPC Core, then pick the COM port assignment determined by your USB to Serial Bridge (**refer to *USB Driver Installation section 1.6 for instructions on determining the correct COM assignment for your PC***). Click NEXT to proceed.



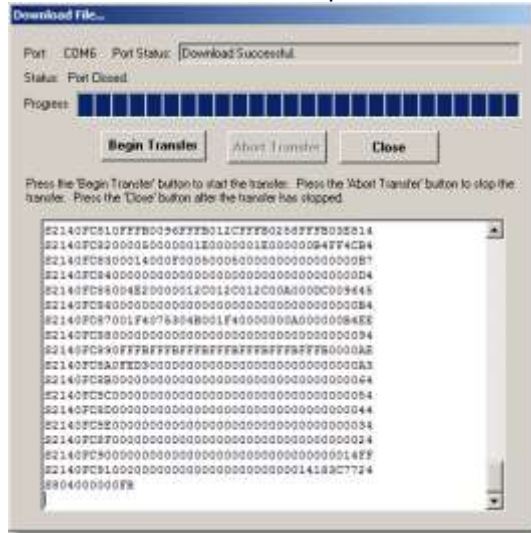
2.9 The next window will appear to begin the download process. Click Begin Transfer.



2.10 The MTransfer software will establish a connection using the USB port and begin the download process.



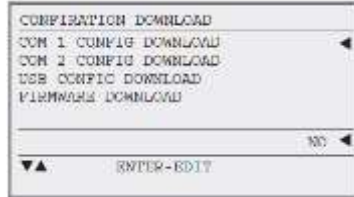
2.11 When the download is complete, the Port Status reads Download Successful.



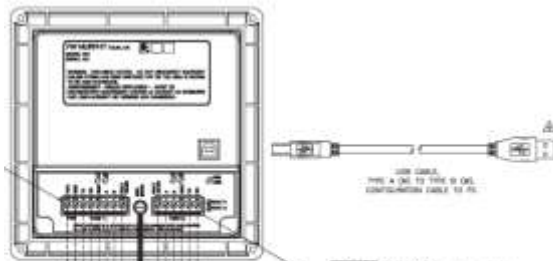
2.12 The Core configuration download is complete.

### 3.0 **Downloading Configuration to Centurion Display (C3-3)**

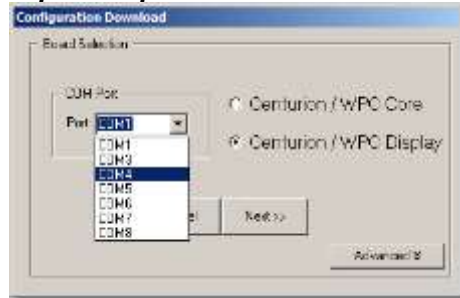
- 3.1 With the display powered up, press the SETUP/ENTER key on the display, then enter password 35. Press the SETUP/ENTER key. The following screen will appear:



- 3.2 Move the cursor down by pressing the DOWN arrow key to the USB CONFIG DOWNLOAD line, then press the SETUP/ENTER key.
- 3.3 Change the NO to YES, by using the UP arrow key, then press SETUP/ENTER. The display is now ready to accept the configuration download.
- 3.4 Connect the PC to the Centurion Display mounted on the panel using a standard Type A to Type B USB cable.



- 3.5 **The remaining steps are nearly identical to the Core configuration download except for choosing the Display instead of Core at the Transfer menu step 2.8. Repeat steps 2.4-2.11 to start the download to the Display.**



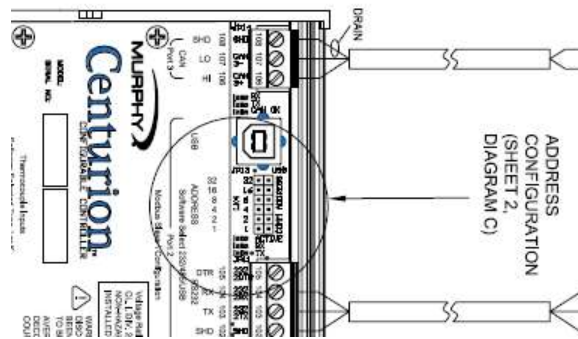
- 3.6 Re-insert the address jumpers on the Core, remove all cables and cycle the power to the control system to reboot the system with the new configuration file.

#### 4.0 **Installing Centurion Core Firmware (C3-1)**

- 4.1 NOTE: This step is only required if updated firmware is available for your controller. The Configuration file must be downloaded after this step, if a firmware update is performed.
- 4.2 Connect the PC to the Centurion Core mounted inside the panel using a standard Type A to Type B USB cable.



- 4.3 Remove all address jumpers from LK4 located near the USB connector, and cycle power to the controller OFF and back to ON. (NOTE: Take note of the original position of the jumpers to reinstall correctly after download.)



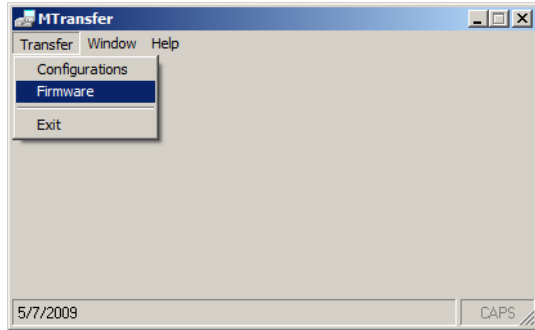
- 4.4 The Core is now ready to receive the download from the PC.
- 4.5 Run MTransfer software by double-clicking the MTransfer shortcut on the desktop.



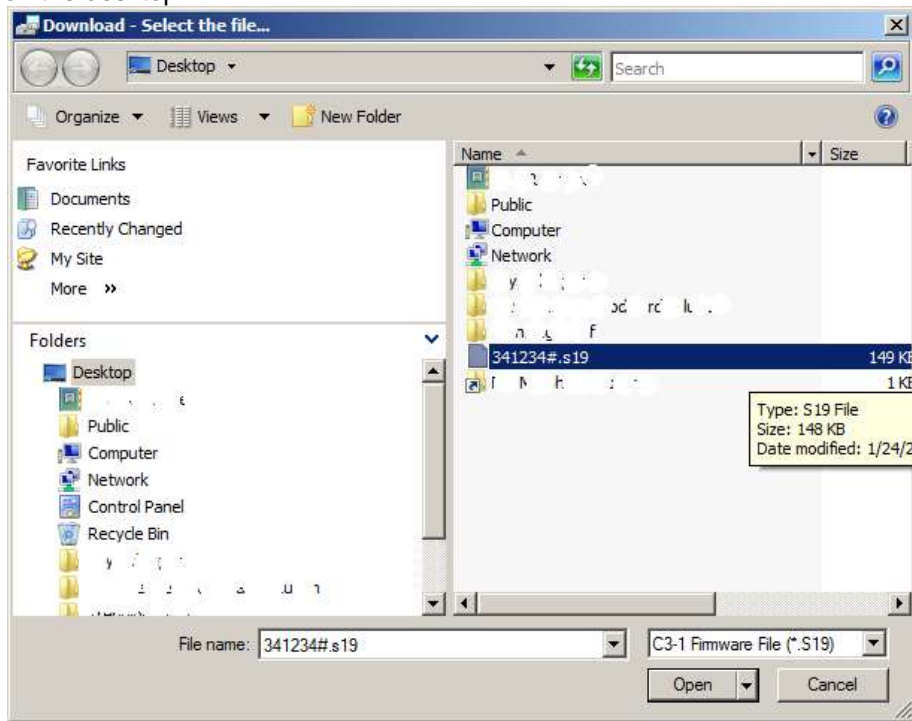
- 4.6 A pop-up window will appear...choose Centurion / WPC System then click NEXT.



4.7 Click Transfer menu, then Click on Firmware.



4.8 Navigate to the location of the Centurion Core firmware (S19) file supplied by FW Murphy from the dialog, and click OPEN. In the example below, the S19 firmware file is located on the desktop.

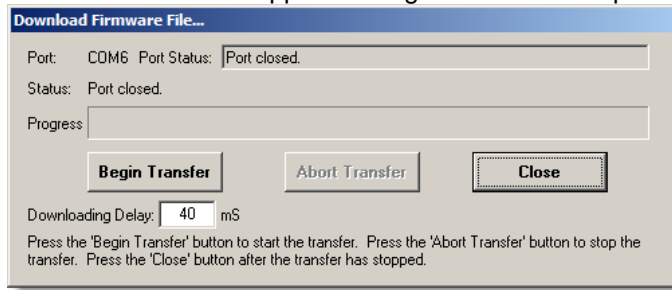


4.9 The Firmware Download window appears. Pick the COM port assignment determined by your USB to Serial Bridge (**refer to *USB Driver Installation section 1.6 for instructions on determining the correct COM assignment for your PC***). Click NEXT to proceed.

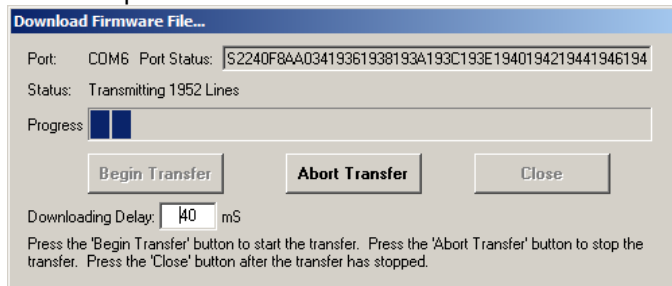




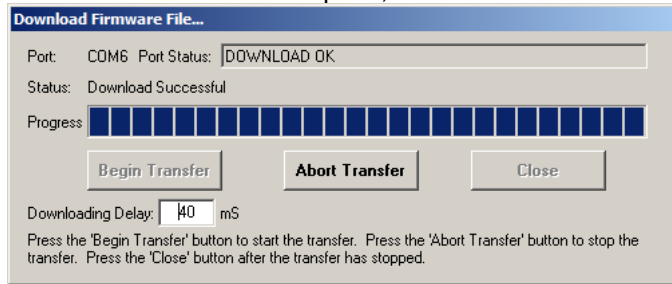
4.10 The next window will appear to begin the download process. Click Begin Transfer.



4.11 The MTransfer software will establish a connection using the USB port and begin the download process.



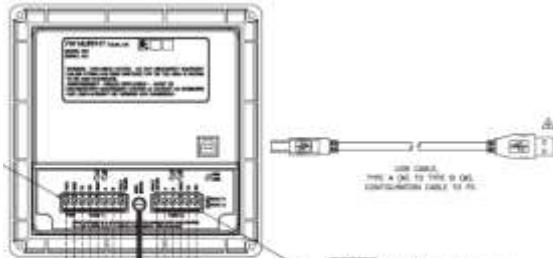
4.12 When the download is complete, the Status reads Download Successful.



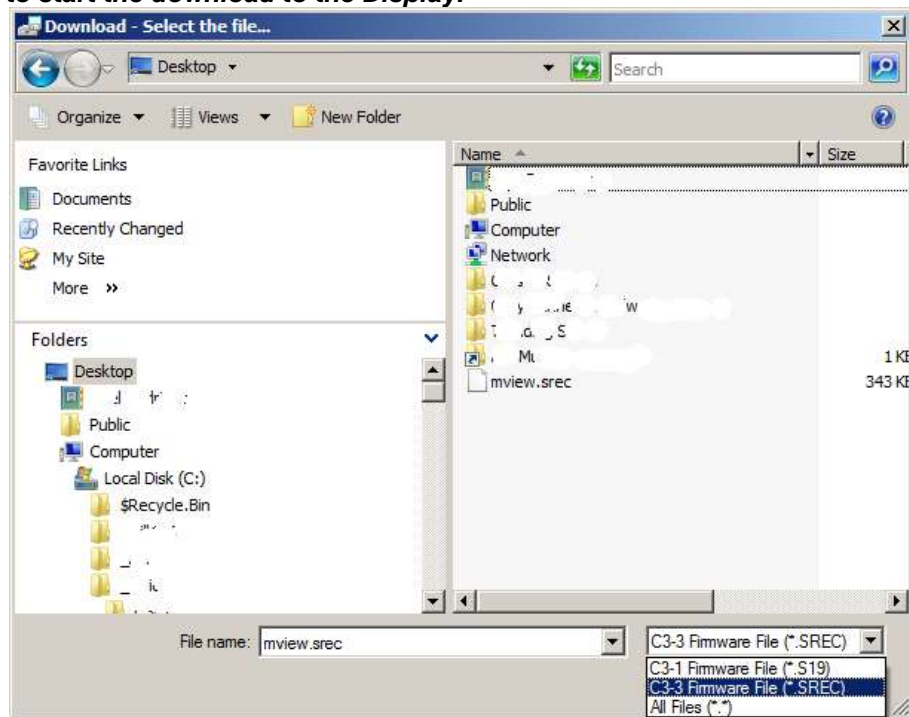
4.13 The Core firmware update is complete. Re-insert the address jumpers on the Core, remove all cables and cycle the power to the Core to reboot the system with the new firmware file.

## 5.0 **Installing Centurion Display Firmware (C3-3)**

- 5.1 NOTE: This step is only required if updated firmware is available for your controller. The Configuration file must be downloaded after this step, if a firmware update is performed.
- 5.2 Connect the PC to the Centurion Display mounted on the panel using a standard Type A to Type B USB cable.



- 5.3 Turn power off and back on to the Centurion Display. The display will read BOOTLOADER STARTED.
- 5.4 ***The remaining steps are nearly identical to the Core firmware download except for choosing the SREC file types at the Transfer menu step 4.8. Repeat steps 4.5-4.12 to start the download to the Display.***



- 5.5 Remove USB cable from the back of the Display, and cycle the power to the display to reboot the system with the new firmware file.