



MFC5150 Software Update Procedure

STEP 1: Connect the charging/communication cradle to AC power and to a USB port on your PC.

STEP 2: Insert the field communicator into charging/communication cradle and turn it on.

IMPORTANT! Steps three, four and five are critical to successful communication, but are only required once for initially setting up your PC to communicate with the field communicator.

STEP 3: This step is only required if the USB drivers for the field communicator have not been loaded yet. If your computer cannot find the drivers it will ask you to load them. Be sure you have downloaded and dearchived the drivers onto your computer. They are located on the Field Communicator product CD, and available to download (32 and 64 bit refer to PC :

http://www.5150update.com/USB_drivers_2.08.28_32bit.zip

http://www.5150update.com/USB_drivers_2.08.28_64bit.zip

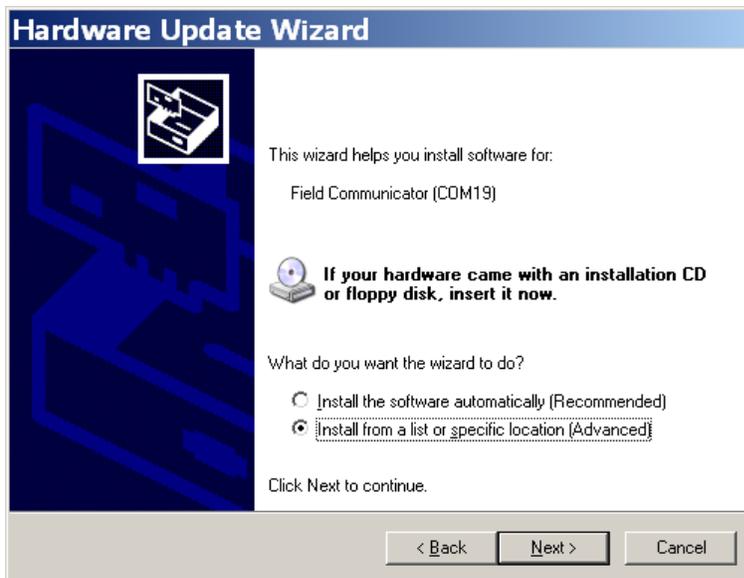
On Windows XP the dialog box appears like this.



Select "No, not this time" and then "Next>"



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Select "Install from a list..." and then "Next>"



Select "Search for the best...", check the appropriate box and enter the location that you dearchived the drivers to. Select "Next>". The Hardware Update Wizard should complete with the drivers installed. Select "Finish" to exit.

STEP 4: Confirm that Windows is updated to .NET Framework version 4.0 or newer.

To determine the version of .NET Framework installed on the PC, open the Windows Control Panel and then Add/Remove Programs if



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Windows XP, or Uninstall Programs if Windows 7/8. Locate Microsoft .NET Framework 4 or newer in the list.

If you do not have .NET Framework 4 or newer installed go to the following web site.

<http://www.microsoft.com/en-us/download/details.aspx?id=17718>

Follow the instructions from Microsoft to download the proper software.

STEP 5: If you have not done so successfully already, run the RDCS update software. This software is available on the web at

http://www.5150update.com/FCUpdate_1.21.zip

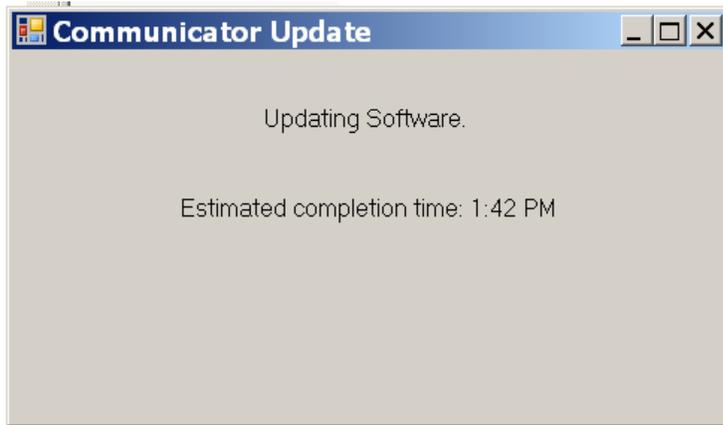
Dearchive FCUpdate_1.21.zip to a location on your PC and then open "FC Update.exe" from that location.



When the communicator is connected properly select "OK". One of three dialog boxes will appear.



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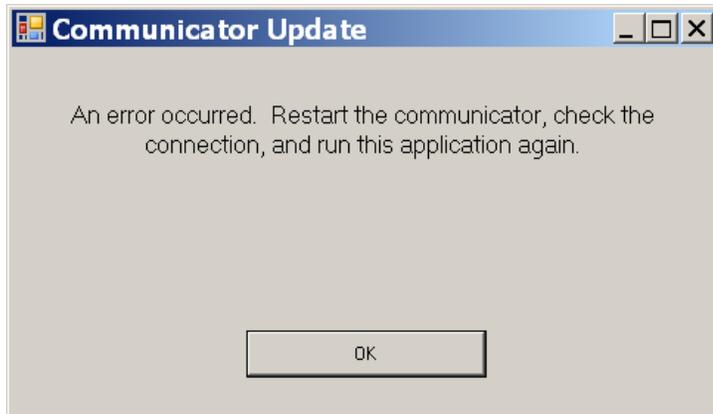
This indicates communication is occurring properly.



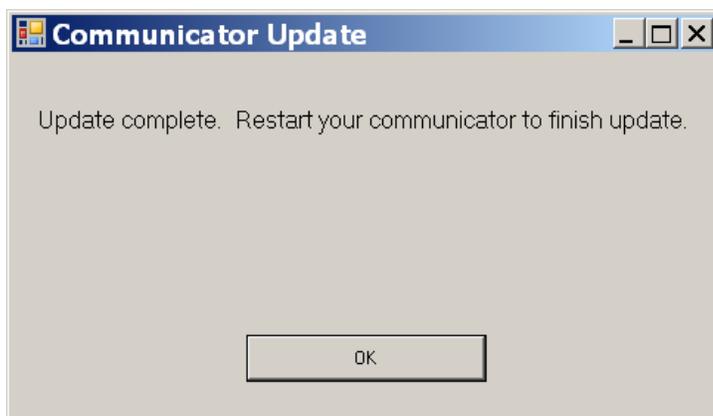
This indicates there is an error with the hardware connection, or the drivers. Confirm there is power to the charger/communication base and it is connected to the PC. Confirm the field communicator appears in the Windows Device Manager under Ports (COM & LPT). The name of the device in the Device Manager is "Field Communicator". Then try the application again.



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This indicates communication was interrupted. The error is possibly due to a bad connection, a miscommunication or the update has already been completed previously. Check connections and try the application again.



This indicates the update has completed. You are required to cycle power for the updates to be transferred to their proper locations in the field communicator. A second power cycle is required after the transfer is complete (indicated on the launch screen) to begin using the update.

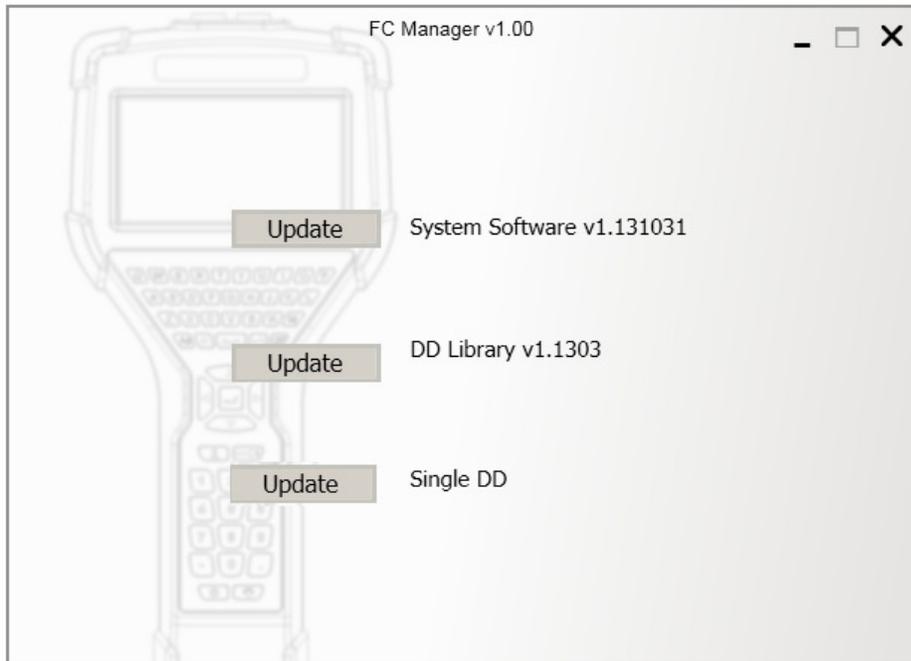


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STEP 6: Dearchive FC Manager 1.2.zip to a location on the PC The software is available at:

http://www.5150update.com/FCManager_1.2_EN.zip

Run FCManager.exe from the location you selected. The following window appears.



System Software vX.X

Update the Field Communicator System Software to the version listed. V1.131031 contains application software version 1.11

DD Library vX.X

Adds the new HART® DD files from the HART® quarterly release to the field communicator's existing HART® DD Library. Version v1.1303 contains new DD files for the release ""DD 2013 Number 3".



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Single DD

Allows selection of a single HART® DD file on the PC to load to the field communicator. It is not necessary for the user to select where to place the file. The application parses the file and determines the manufacturer and model for proper placement.

The next screen that appears requests a confirmation of connection.



When the communicator is connected properly select "OK".



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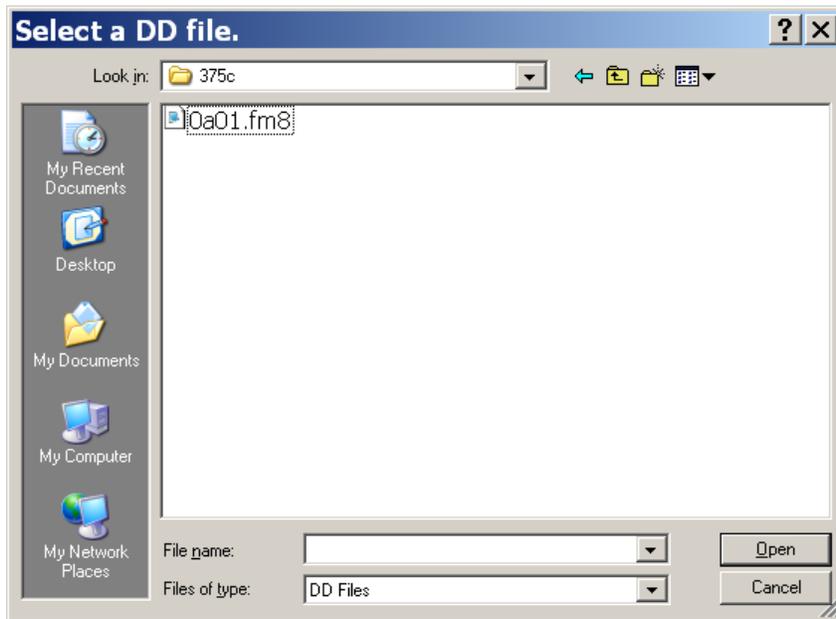


The PC is searching for a connected field communicator, please wait.



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If single DD update was chosen a file selection box will appear (system and library updates will start automatically). Find and open the file that you wish to add. The file name should be four characters plus an extension. Legal characters are decimal numbers and A-F (hexadecimal). The file should appear with an *.fm8 extension (or *.fm6 if it is an older file). Use the *.fm8 file if there are multiple files of the same name. The utility will automatically place the file in the proper location on the MFC5150 for the manufacturer and model listed in the file.



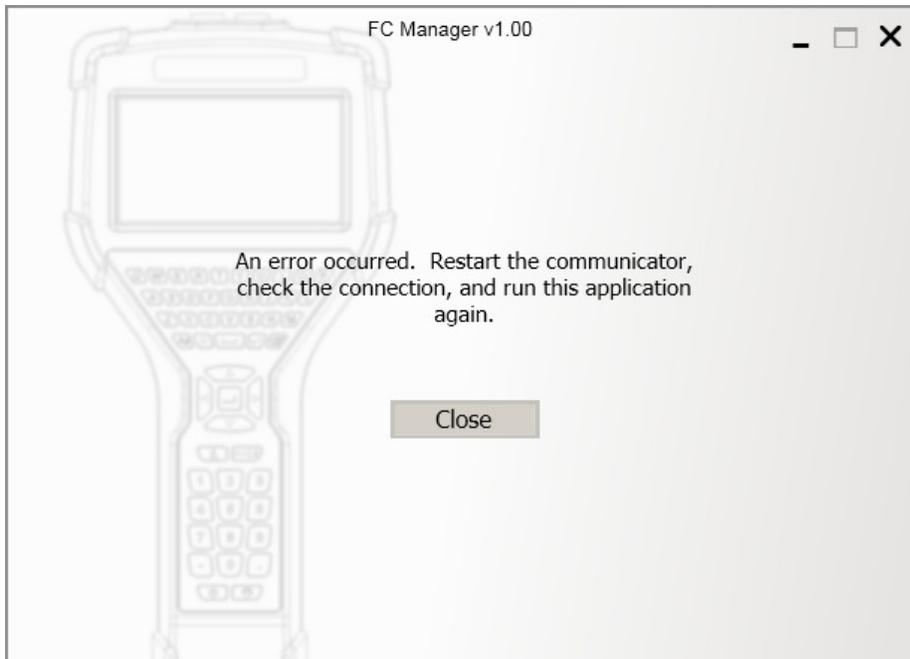


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Common screens



The PC has connected successfully and is currently loading the requested software into the field communicator.

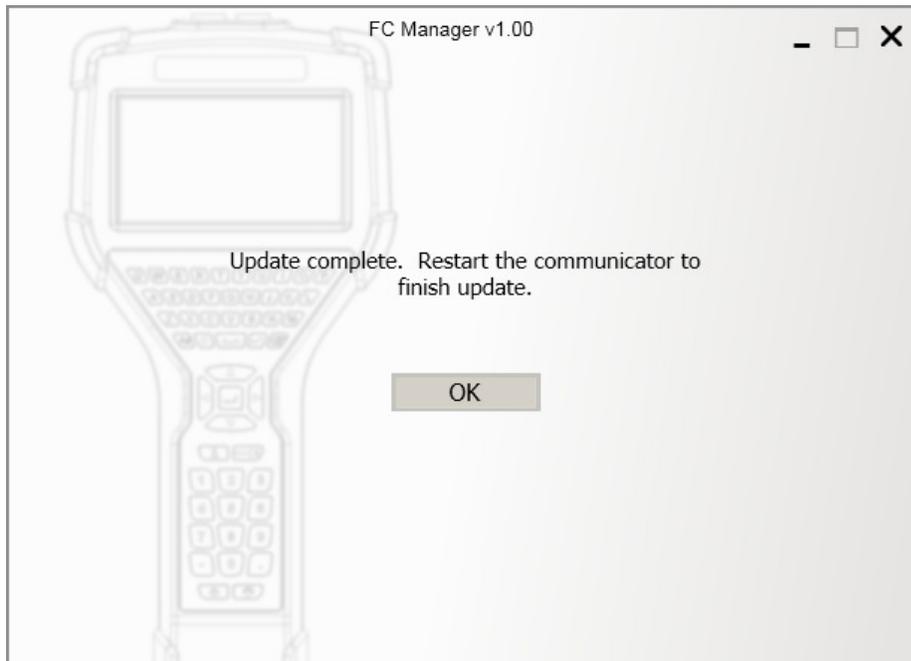


This indicates communication was interrupted. The error is possibly due to a bad connection, a miscommunication or the update has already been completed previously which caused a communication



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software mismatch. Check connections and try the application again.



This indicates the update was successful. When you close this box by selecting "OK" it returns you to the main screen. Additional updates can be done before cycling power on the field communicator.

Once you have completed all of your updates, you are required to cycle power for the updates to be transferred to their proper locations in the field communicator.

For system software updates a second power cycle is required after the transfer is complete (as instructed on the field communicator launch screen) to begin using the update.