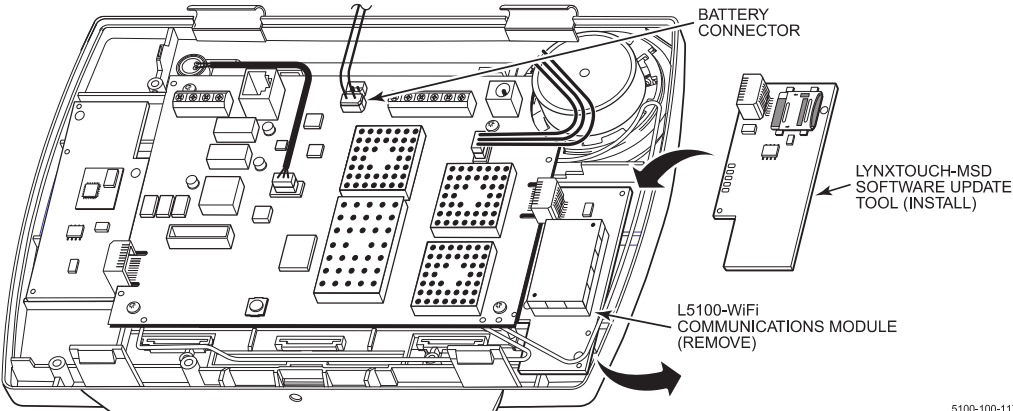


The Micro SD Card Software Upgrade Tool is used to upgrade the Software installed on the LYNX Touch L5200 Series Panel. This procedure provides the instructions required to update the software on the L5200 to an L5210 Panel and adding/replacing a new LTE radio. Success of this procedure requires a functional communication path over an existing 3G cell, CDMA, or over a Wi-Fi path (Wi-Fi can be existing or added to a panel to supplant a communication failed 3G/CDMA).

### Update the Panel Software

Step	Action
1.	From AN360 ( <a href="http://www.alarmnet360.com">www.alarmnet360.com</a> ) perform a "Sync Fetch All" to save the L5200 Panel information.
2.	<p>Using the LYNXTOUCH-MSD LYNX Touch Family Micro SD Card Software Update Tool update the L5200 panel software to a L5210:</p> <ol style="list-style-type: none"> <li>Power the panel down by unplugging the power supply.</li> <li>Release the front case assembly from the back case by depressing the two locking tabs at the top of the unit with the blade of a medium size screwdriver.</li> <li>Disconnect the battery and remove the L5100-WIFI communication module (if installed) from the edge connector on the right (speaker) side of the panel's circuit board.</li> <li>Install the Software Update Tool ONLY in the slot on the right side (speaker side, see below) of the panel's circuit board.</li> </ol>  <ol style="list-style-type: none"> <li>Reconnect the battery and close the panel.</li> <li>While pressing and holding the "Home" key, apply power to the Control. Continue holding the button until "Press Home Key to return" is displayed on the screen. Release the key. The system displays the following menu: <div data-bbox="342 1184 539 1327" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><b>MAIN MENU</b>  (M) Main  (M) ^  (M) Update  (M) Shutdown</p> </div> </li> </ol>
3.	<p>Upgrade the software:</p> <ol style="list-style-type: none"> <li>Press the "Panic" key to scroll until the "Update" option is highlighted and then press the "home" key to accept the "Update" option. A legend displayed at the bottom of the screen describes the functions of the control's keys.</li> <li>Press the "Panic" key to scroll down to "#FileSystem", then press "Home" key to select. The following message appears: "About to convert panel type from L5200 to L5210. Press Home Key to exit. Press Panic key to continue."</li> <li>Press the "Panic" key to scroll down to the file name similar to S1244V9xxxxx.bin.</li> <li>Press "Home" key to select the file.</li> <li>Press the "Panic" key to continue.</li> <li>When the software update is complete, the system displays "Press Home Key to return." Press the "Home" key twice to return to the main menu.</li> </ol>
4.	<p>Power down the panel:</p> <ol style="list-style-type: none"> <li>Unplug the power supply.</li> <li>Open front cover and disconnect the battery.</li> <li>Remove the Software Update Tool and reinstall the communications module (if previously installed) on the right (speaker) side of the control's circuit board.</li> <li>Reconnect battery and close the panel.</li> </ol>
5.	<p>After power up, verify panel type (prod id) and software rev via:  <b>Security &gt; More &gt; Tools &gt; user code (4 digits) &gt; Test:</b> prod id 011c sw.Rev:9.00xxx crc number 0xXXXX</p>
6.	<p>If panel has a radio installed, wait for the radio to initialize otherwise exit programming and go to step 7.  To check the status of the radio:</p> <ol style="list-style-type: none"> <li><b>Security &gt; More &gt; Tools &gt; Installer code &gt; Program &gt; Comm Diagnostics &gt; Cell Information</b></li> <li>Exit programming</li> </ol>

## Using the Software Update Tool (Continued)

Step	Action
7.	<p>Converting the panel on AN360 from L5200 to L5210:</p> <ol style="list-style-type: none"> <li>From AN360 perform a "Sync Fetch all." AN360 should give you a "PANEL TYPE MISMATCH" message asking if you want to update the Panel Type in AlarmNet 360. Press "Yes."</li> <li>A "Device Model Successfully updated the panel type" message displays. Press "OK." (A "Sync Fetch all" must be done to restore the account info on AN360 which will be lost during the conversion)</li> </ol>
8.	<p>Restore all the account programming to AN360:</p> <ol style="list-style-type: none"> <li>Perform a "Sync Fetch all" to restore all the account programming in AN360</li> <li>"Fetch All Successful" displays. Press "OK." (In AN360 under PANEL the panel model should say L5210, the firmware Version should say 9.00.xxx.0 and Revision should say Rev9)</li> </ol>

## Adding/Replacing a Radio with New LTE Radio

Step	Action
1.	<p>On the panel, add/replace radio with the new LTE radio:</p> <ol style="list-style-type: none"> <li>Power the panel down by unplugging the power supply.</li> <li>Release the front case assembly from the back case by depressing the two locking tabs at the top of the unit with the blade of a medium size screwdriver.</li> <li>Disconnect the battery.</li> <li>Remove the old radio (if installed) and replace it with the new radio. Or, if adding new, install a new radio. (<b>NOTE:</b> AN360 requires the MAC and CRC of the new radio, when adding/replacing the radio.)</li> <li>Reconnect the battery, close the cover, and then plug in the power supply to reapply power to the panel.</li> <li>After the panel restarts, it displays "103 Comm. Trouble."</li> <li><b>Wait for the radio to initialize.</b> (<b>NOTE:</b> this could take up to 15 minutes). To check the radio status press <b>Security &gt; More &gt; Tools &gt; Installer code &gt; Program &gt; Comm Diagnostics &gt; Cell Information:</b> Cell registration should say "Home LTE 4G" along with other cell status.</li> <li>Exit programming and the panel still displays "103 Comm. Trouble." Acknowledge the trouble with your user code to silence.</li> </ol>
2.	<p>From AN360 perform a communicator add/replacement:</p> <ol style="list-style-type: none"> <li>Under "Account Overview, Communicator, Cellular/Ethernet Communicator" select "Add," if no radio exists. Or, "Replace" if replacing the existing radio to a new LTE radio.</li> <li>Enter the MAC and CRC of the new radio. <b>NOTE:</b> If you are replacing a radio, the MAC of the old radio is also needed.</li> <li>Select "Verify" to confirm that the new radio is valid. A "Communication Verified Successfully" message is displayed. Select "OK."</li> </ol> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p><b>For adding a communicator:</b> Add Cellular Communicator message displays, press "Save." "Add Cellular Communicator" displays. Press "OK."</p> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p><b>For replacing a communicator:</b> Replacement of Communicator message, press "Replace." A "Communicator is replaced successfully" message displays, press "OK."</p> </div> </div> <ol style="list-style-type: none"> <li>An Account is inactive message displays: Account is inactive! If the panel is powered up and you are ready to register, select "Send Data and Register".</li> <li>Press "Close" to acknowledge.</li> </ol>
3.	<p>Perform a "Send Data and Register" command:</p> <ol style="list-style-type: none"> <li>The Account status should be inactive (red). Perform a "Send Data and Register" command.</li> <li>A "Communication Registration" message is displayed. Select "OK". This process should take about three minutes.</li> <li>Check if Successful by refreshing AN360 to verify that the Account Status is "Active" (green). If the Account Status is not green, perform a "Send Data and Register" command again.</li> </ol>

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