# Procedure for Updating LRRS Software and Installing LS-35-R Series License Files

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| Document: | |
| Editor: | T. Rempher |
| Date: | 6/5/2014 |
| Release: | Rev 2 |


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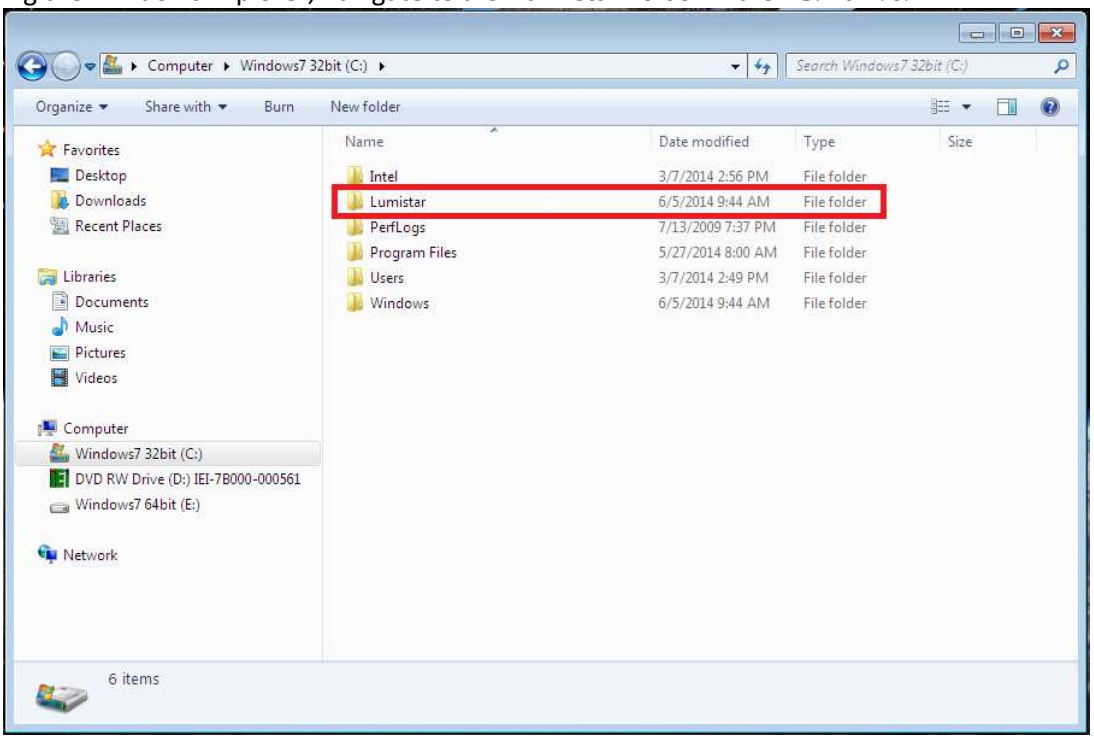
## OBJECTIVE

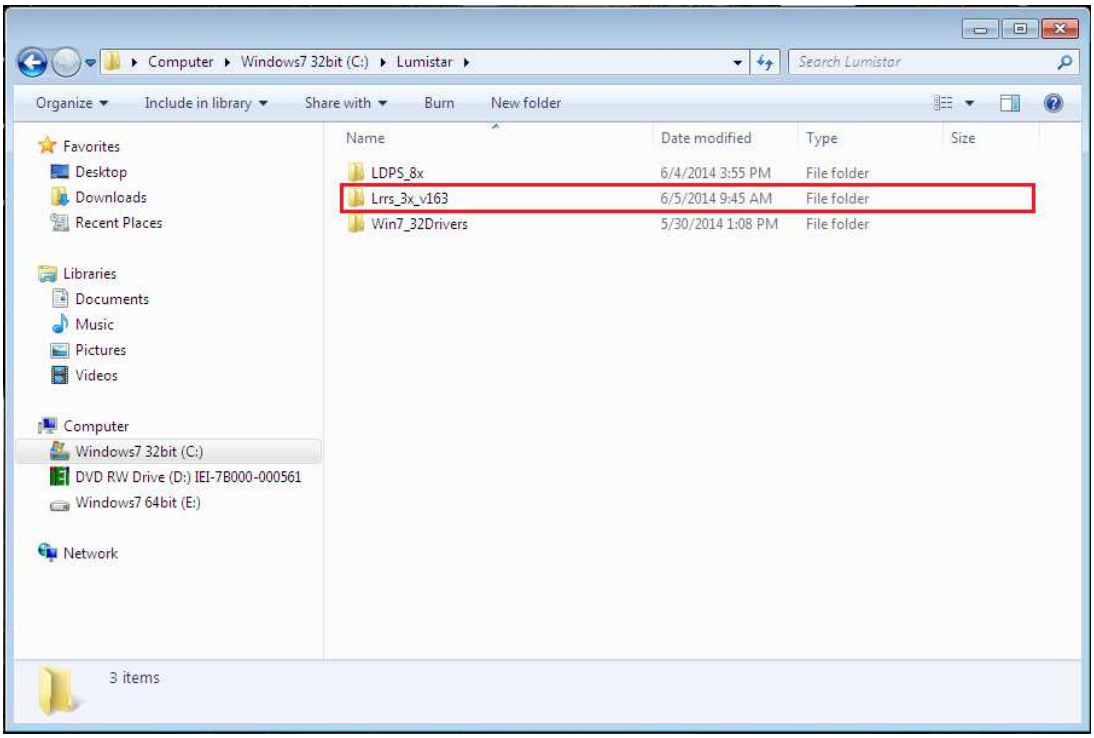
This document defines the procedure required to install an updated version of LRRS_3x software and/or new license files on the LS-28 series of Lumistar receivers, or in custom Lumistar systems that have LS-25 and/or LS-27 and/or LS-35 series cards installed.

# Procedure for LRRS Software and Firmware Installation:

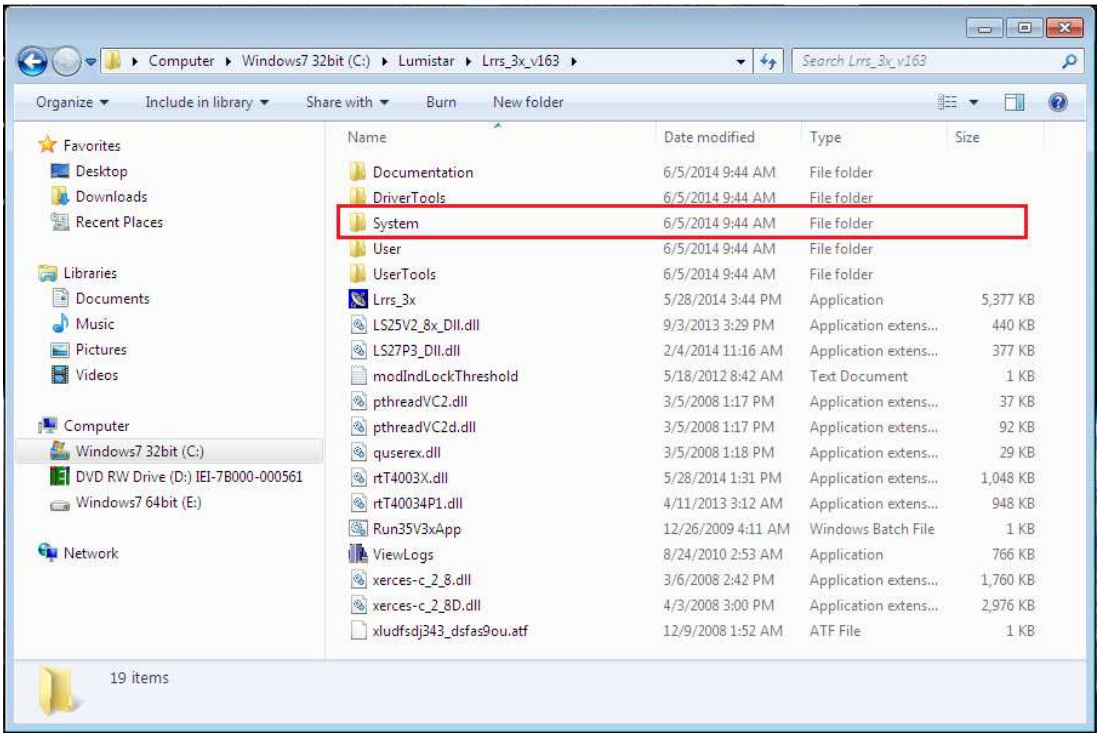
1) Boot up the receiver. Note: If only Software is to be installed, skip to step 11.
2) If the LRRS Program loads automatically, close the application.
3) Using the Windows Explorer, navigate to the **Lumistar** folder in the "C:" drive.

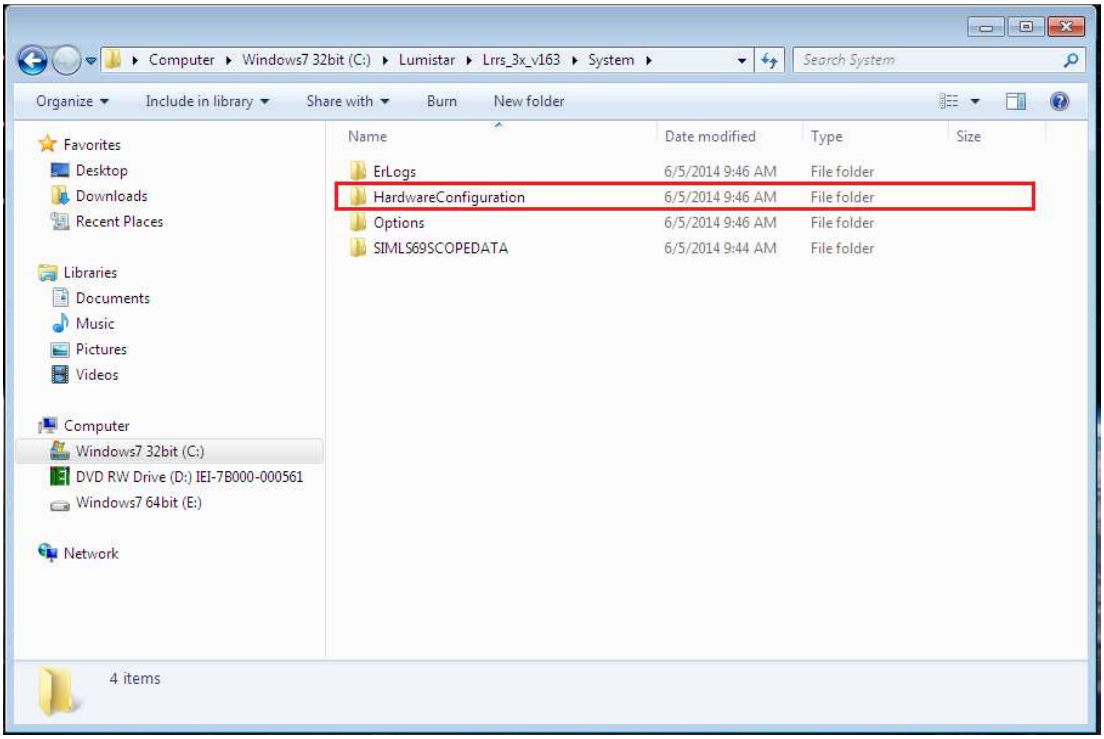


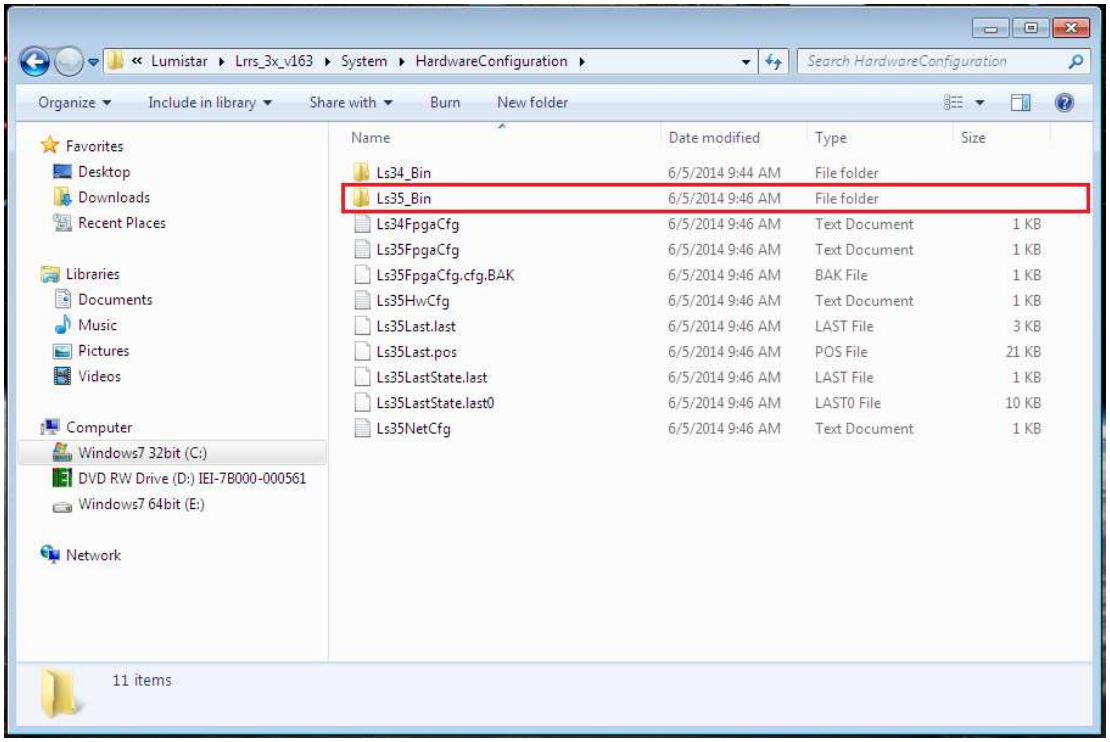

4) Once in the **Lumistar** folder, open the **Lrrs_3x** folder.
   a. The name of the folder may or may not include a version number. This document does include a Lrrs version number.



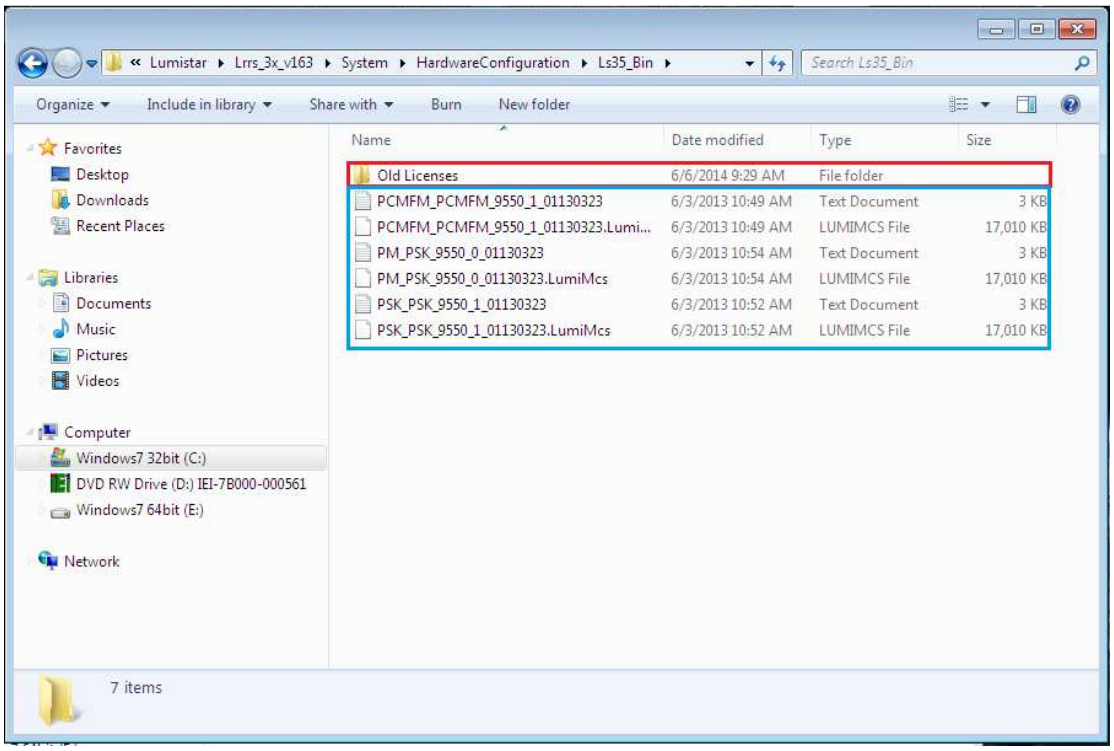
5) Continue navigating through the folders until you open the **Ls35_Bin** folder.



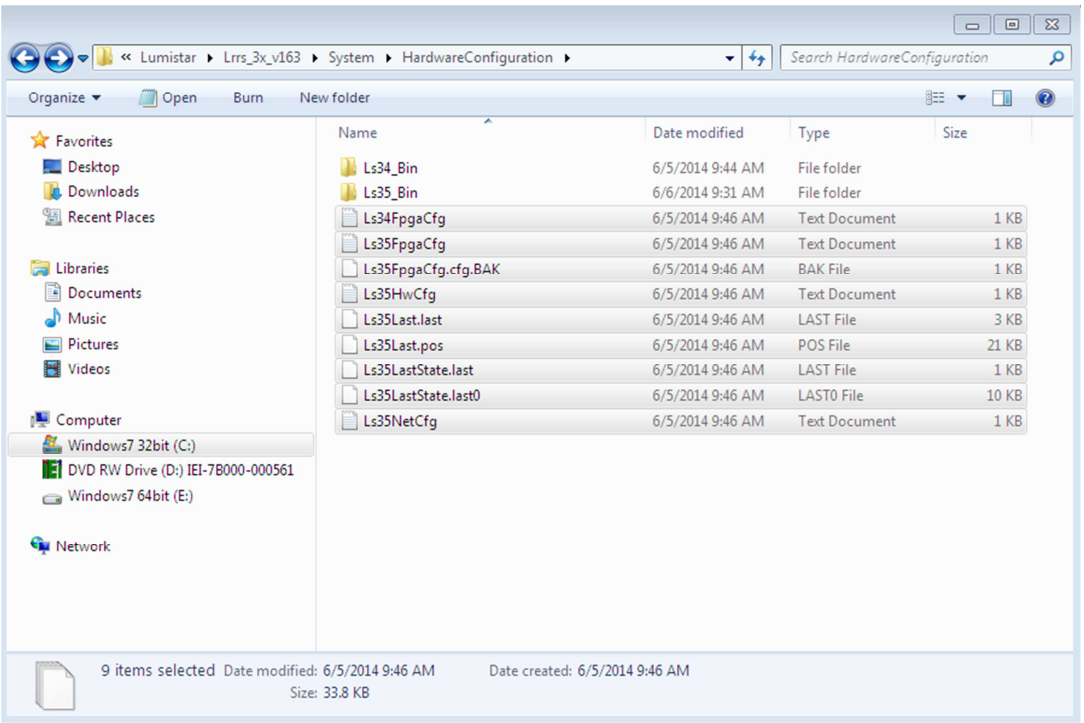



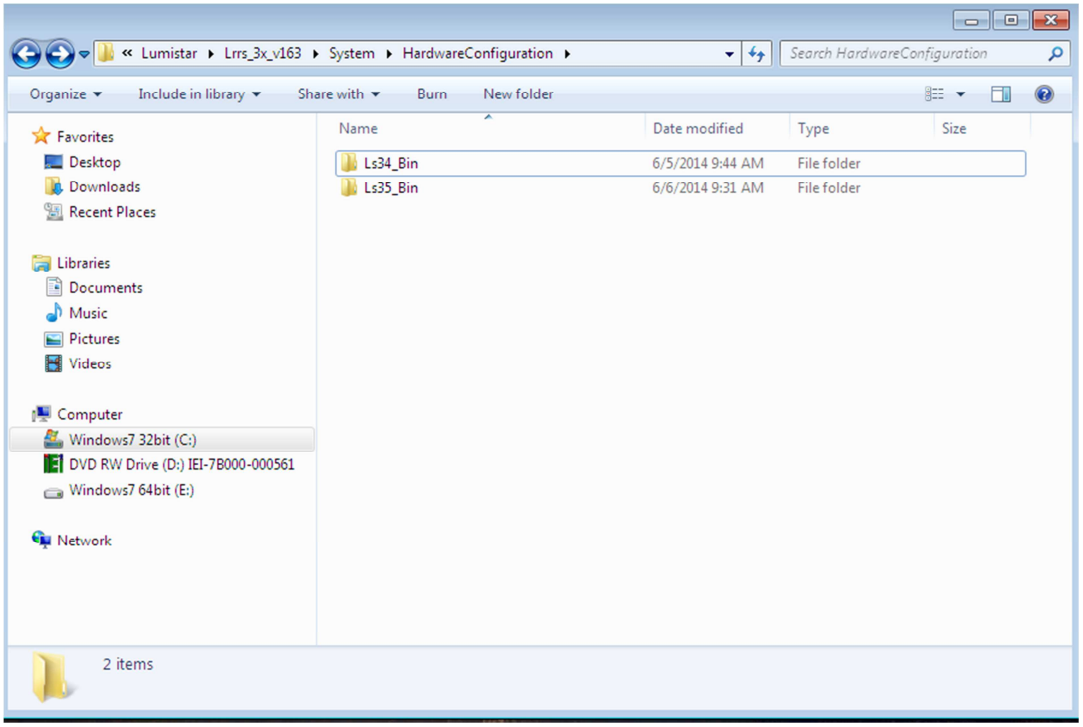



6) Optional & Reccomended: Create a new folder called "Old Licenses," outlined in red below. Once the **Old Licenses** folder is created move any existing licenses, outlined in blue, into the newly created folder. This will allow use of the old license files if needed.



7) Navigate up one level in the directory tree so the **HardwareConfiguration** folder is open.
8) Delete all files except for the **Ls34_Bin, Ls35_Bin** and **Ls69NetCfg**, if it exists.

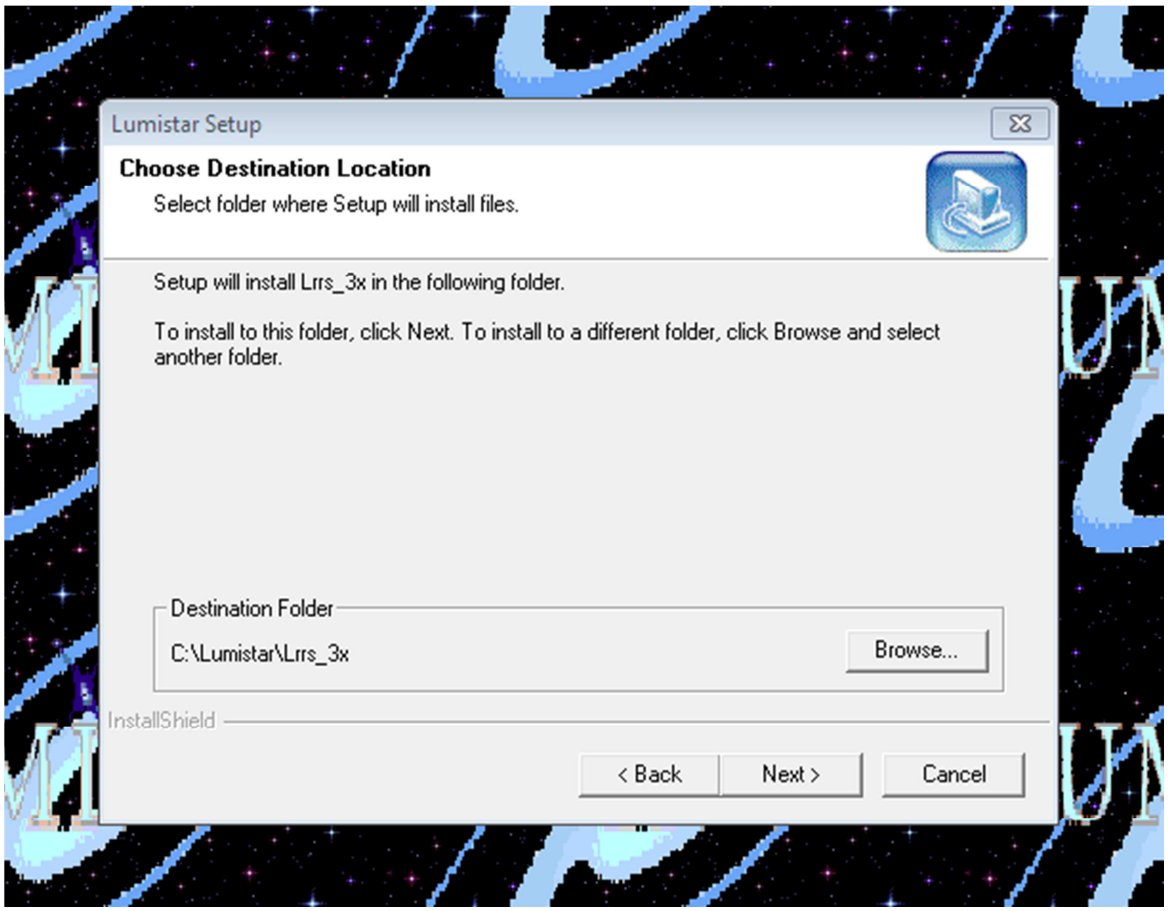



9) Note: By deleting the configuration files, you reset the application which keeps old setup configurations from interfering with the proper function of the software and the cards.

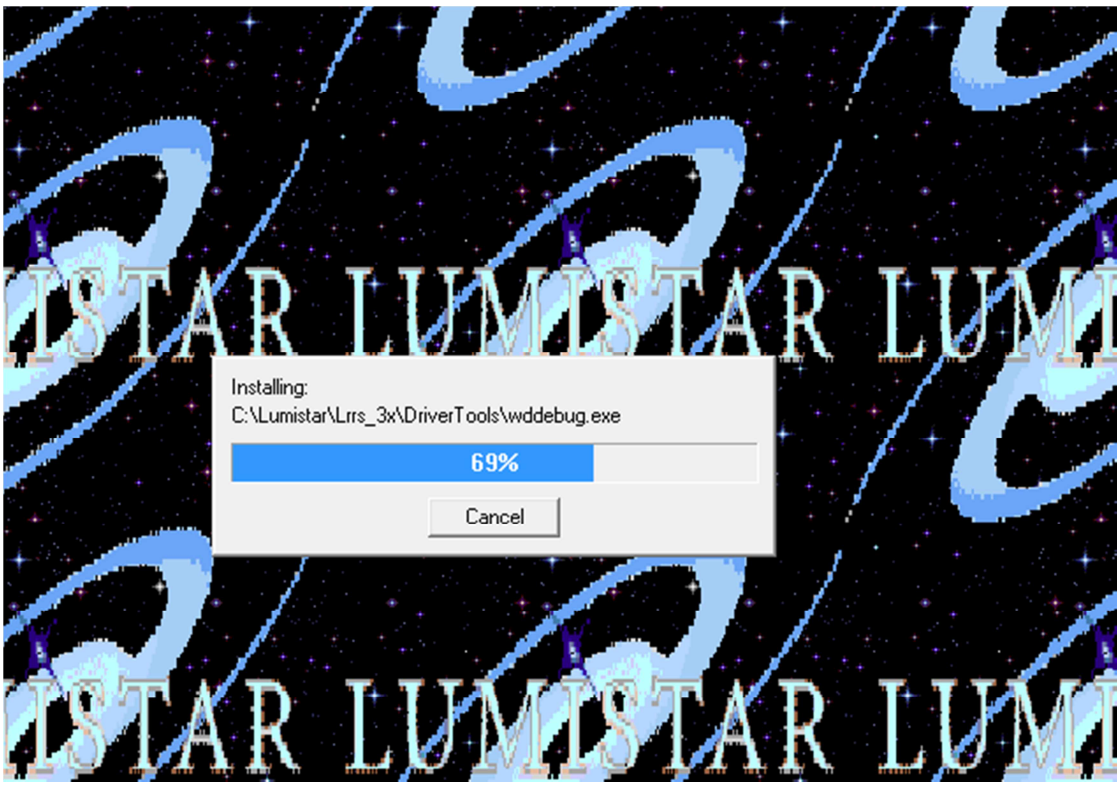
10) If a new version of LRRS_3x will NOT be installed, skip to Step 14.
11) Place the new LRRS_3x setup executable in a location on the machine, such as the Desktop.

12) Run the LRRS setup executable.
13) Proceed through the prompts of the setup.
    a. After clicking the "Next" button once, the option to choose a destination folder will be presented. The default is **C:\Lumistar\Lrrs_3x**. This is the recommended folder.

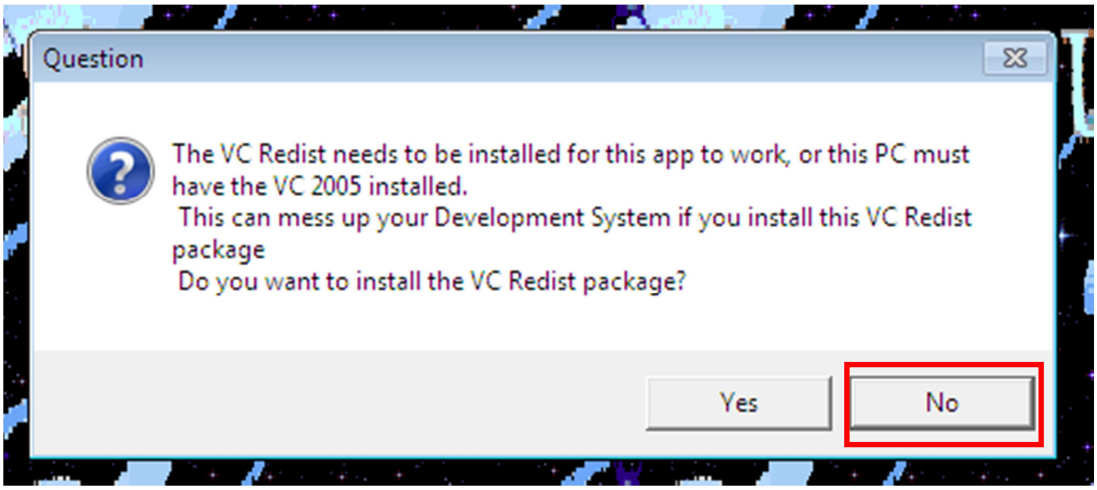


b. Click “Next” once the destination folder has been chosen.
c. Click “Next”.

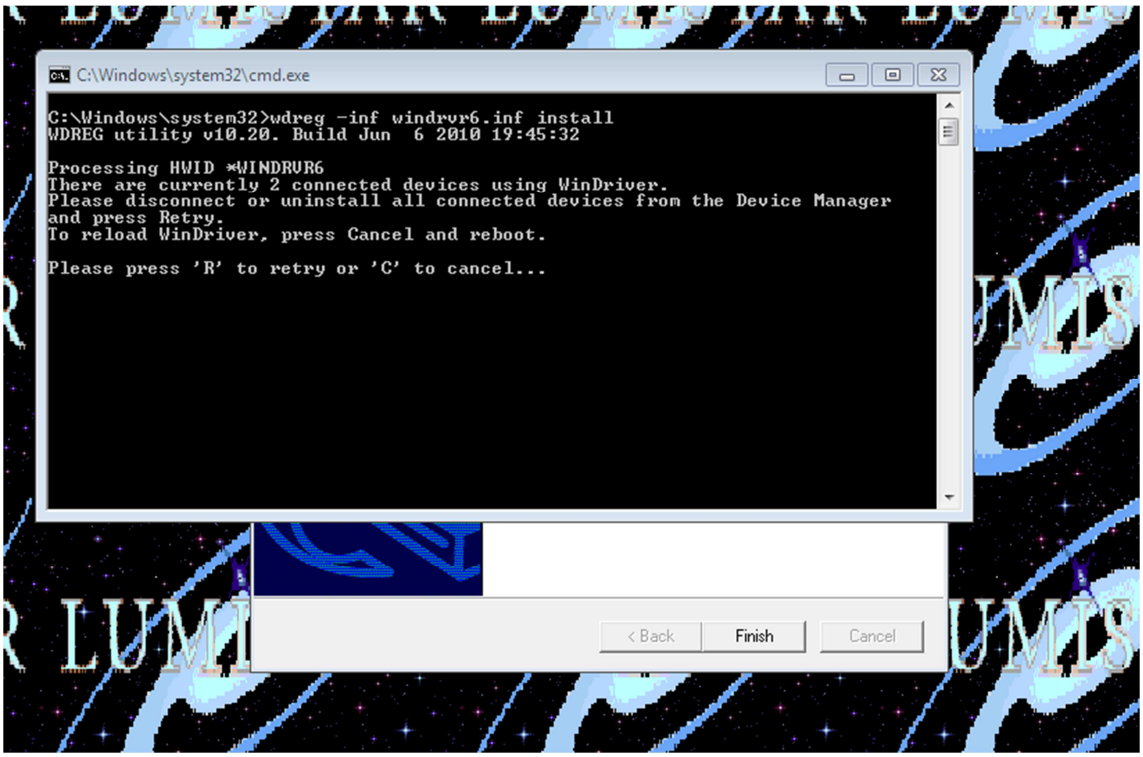
d. LRRS will begin to install.



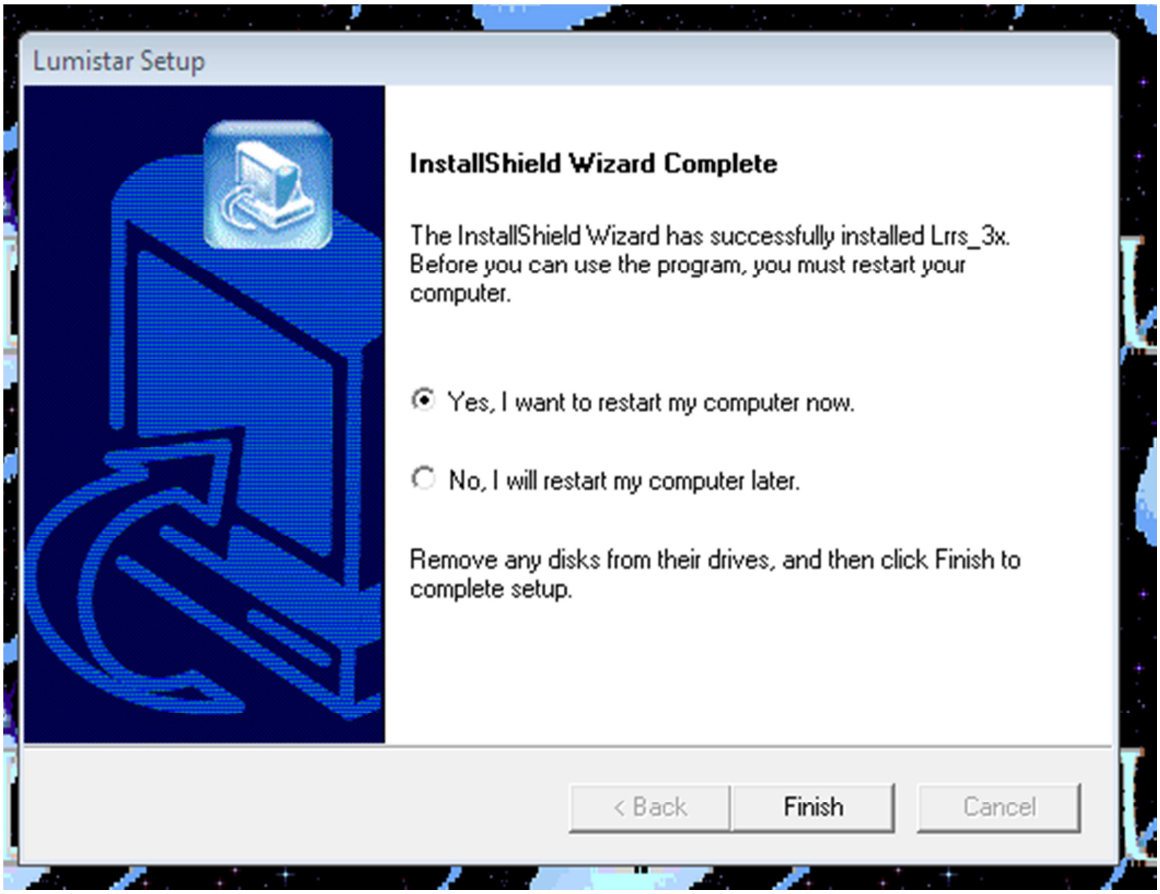

e. A prompt will appear asking to install “VC Redist”. Click “NO” and do not install “VC Redist.”



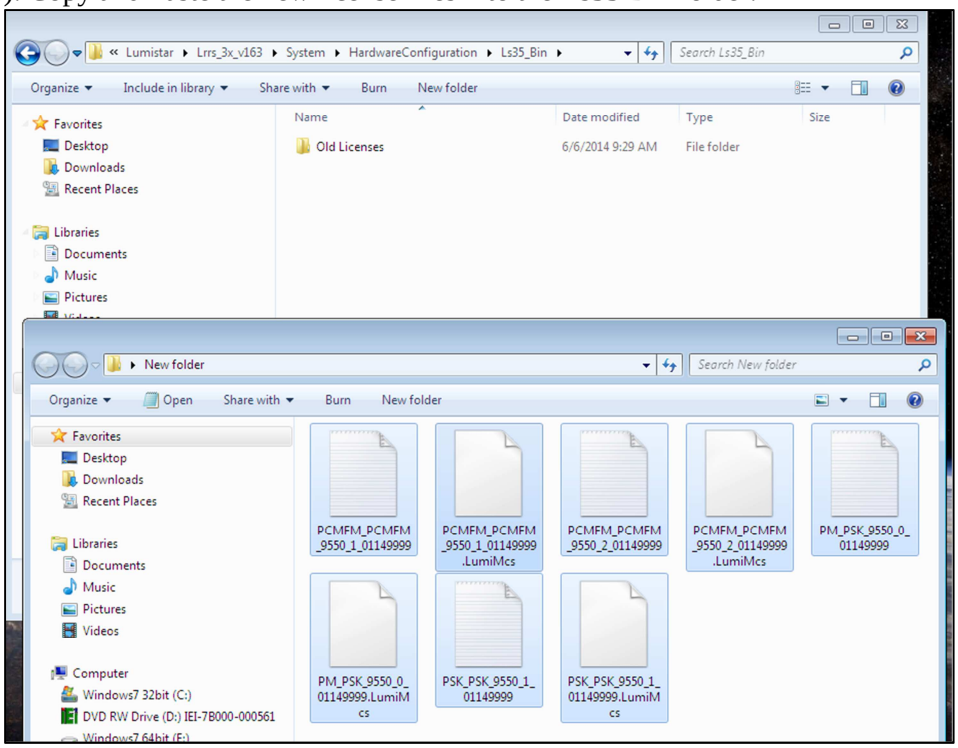
f. A CMD window will pop up. Hit the “C” key on the keyboard to cancel.

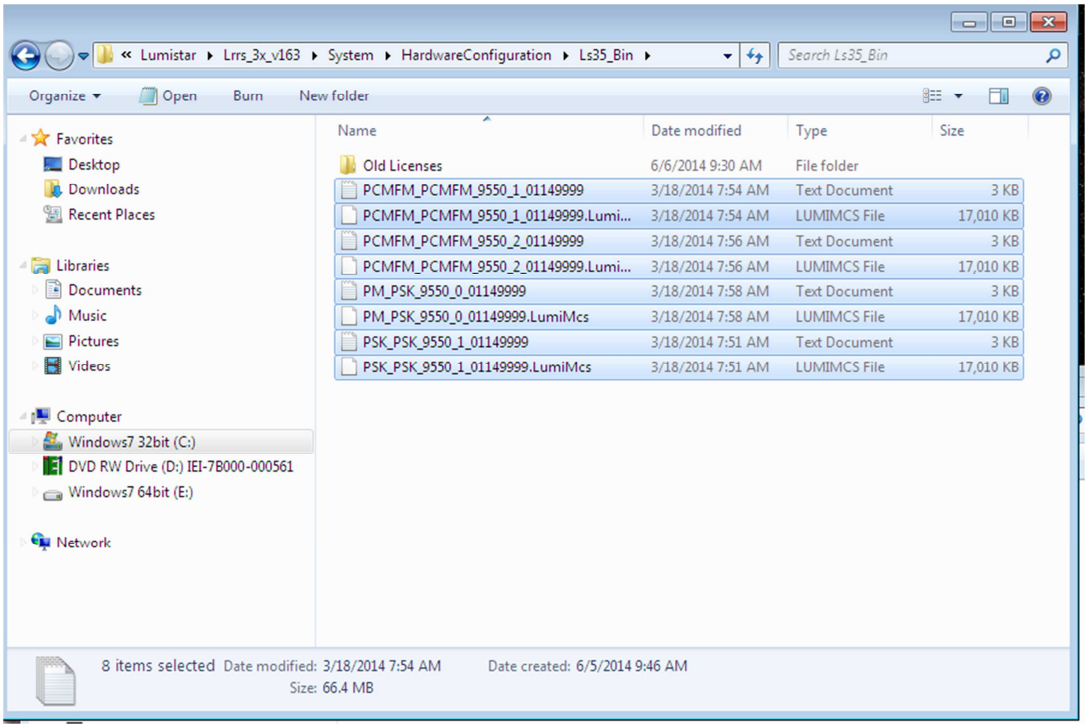



g. Click “Finish” to restart the receiver.

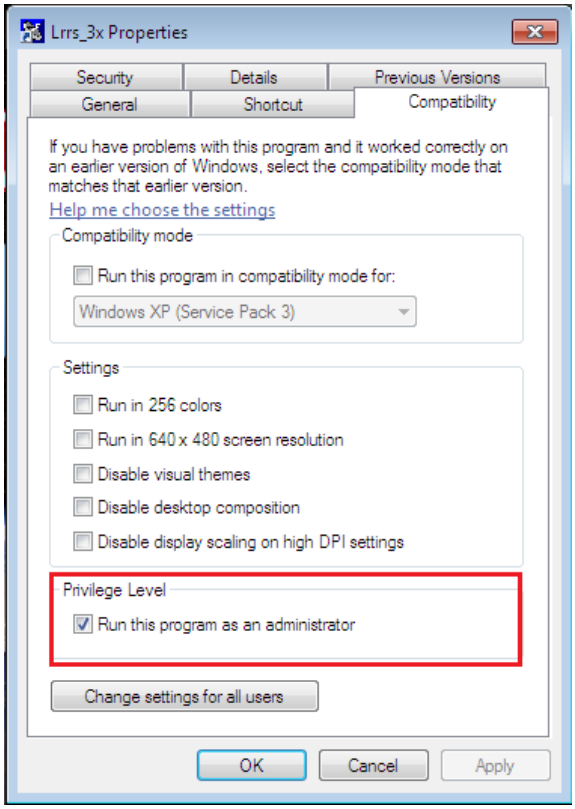



14) After the receiver has re-started, Navigate back to the **LS35 Bin** folder as before in Step 5. Open the folder containing the new license files provided by Lumistar (CD or FTP download are typical delivery methods). Copy and Paste the new license files into the **Ls35 Bin** folder.

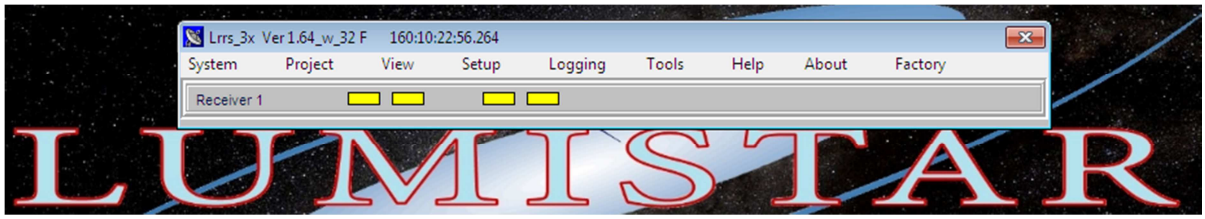





15) Close the window and start the LRRS_3x application from the LRRS_3x icon on the desktop.
   a. **IMPORTANT:** IF running on a Windows7 machine, the application must be run AS ADMINISTRATOR. To do this, right-click on the shortcut and select **Properties.**
   b. Go to the **Compatibility** tab and check the box next to "Run this program as an administrator" and apply the changes.



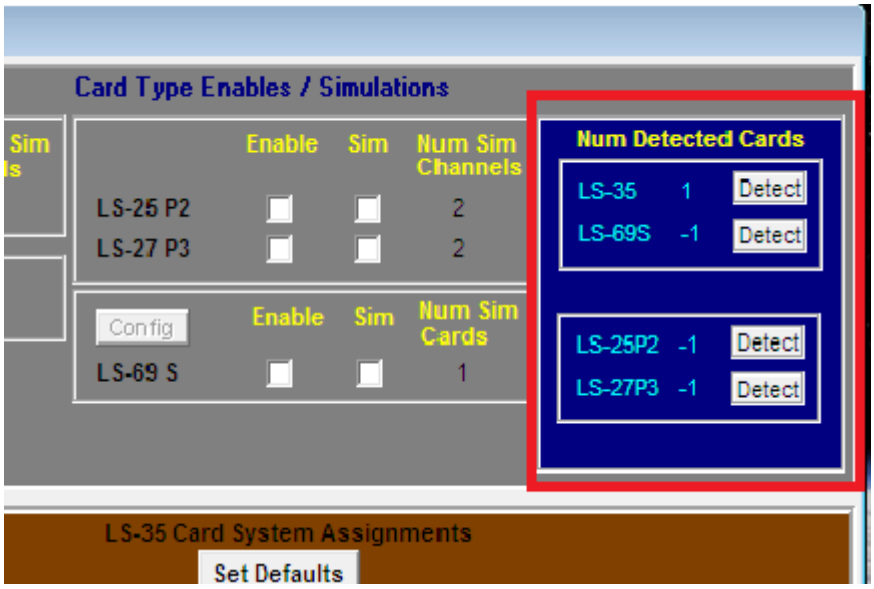
16) Lrrs will start up running the new firmware and a banner page as seen below will be shown.
    a. The banner page will show the number of receivers in your system, as in the case shown below it is a two channel receiver.



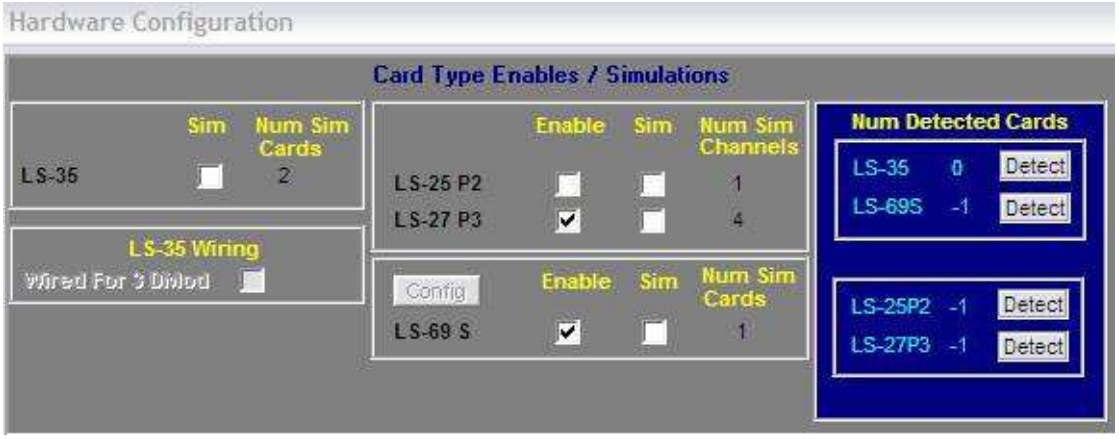

17) At this point the software needs to be told what cards are installed. The possible cards are LS-35, LS-27, LS-25, and LS-69.

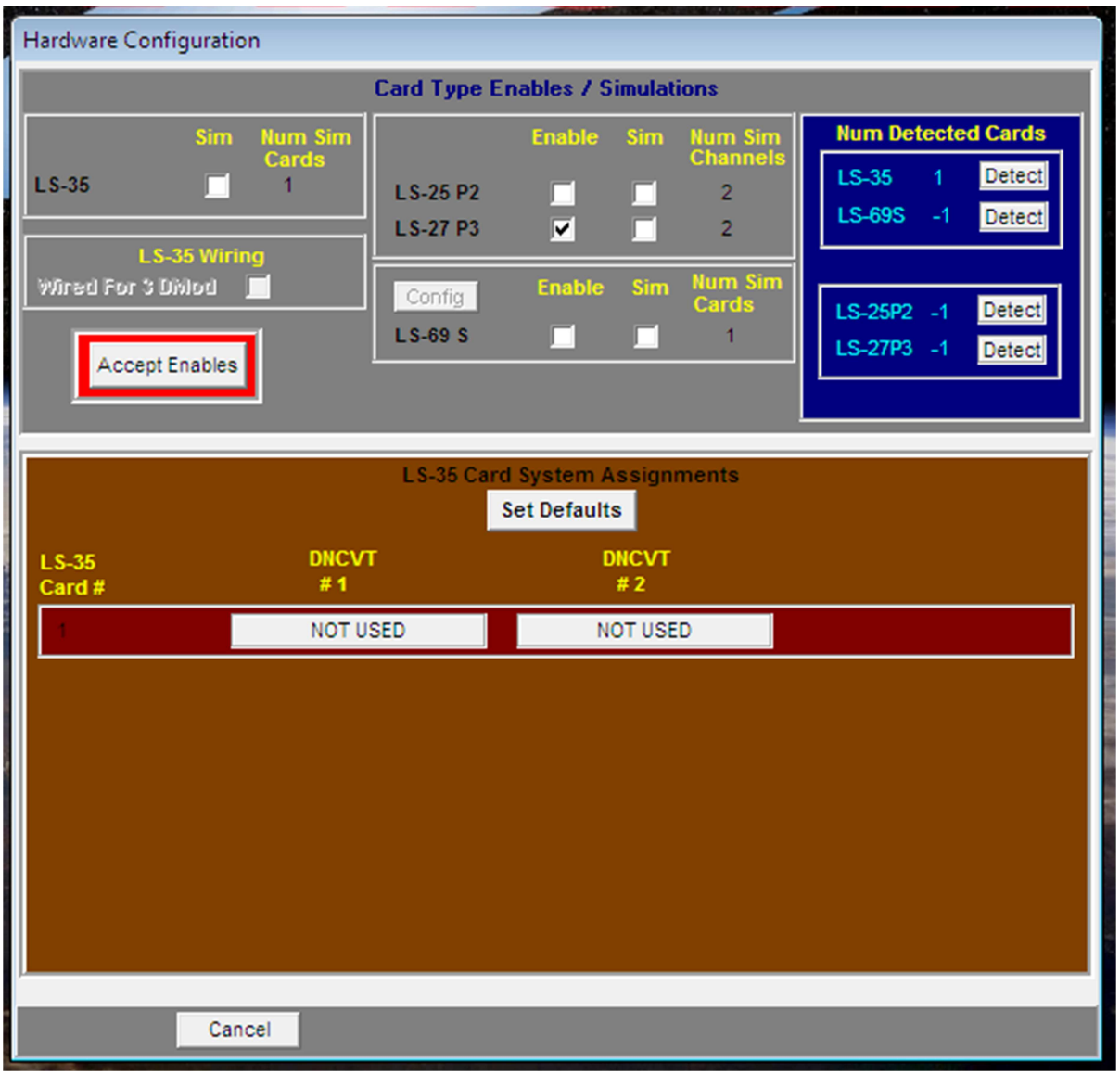
18) On the banner page, select "System" and from the drop down menu choose "Hardware Configuation."

19) Click the "Detect" button for each option in the blue square towards the top right of the window. This will query the PCI slots and return how many cards are in the system. If no cards are detected for that card type, a value of "-1" will be returned.



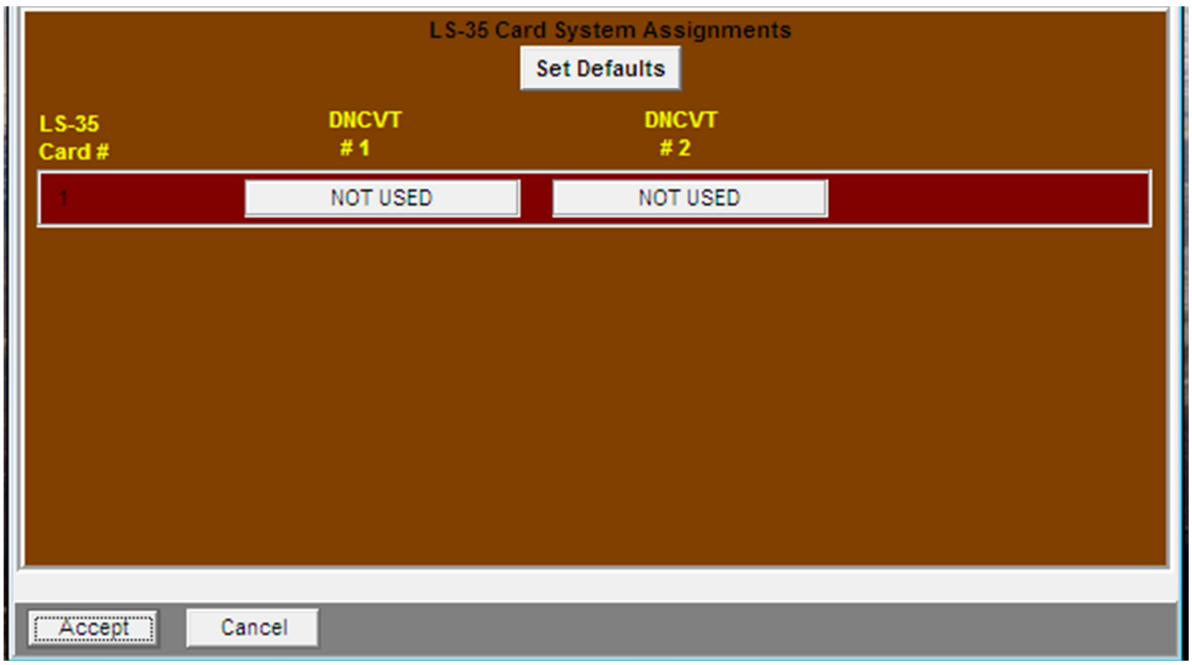
20) Click the “Enable” check box next to any detected cards. The check mark will be visible. After the box is checked, an “Accept Enables” button outlined in red will appear in the lower left portion of the gray area. Click the button.

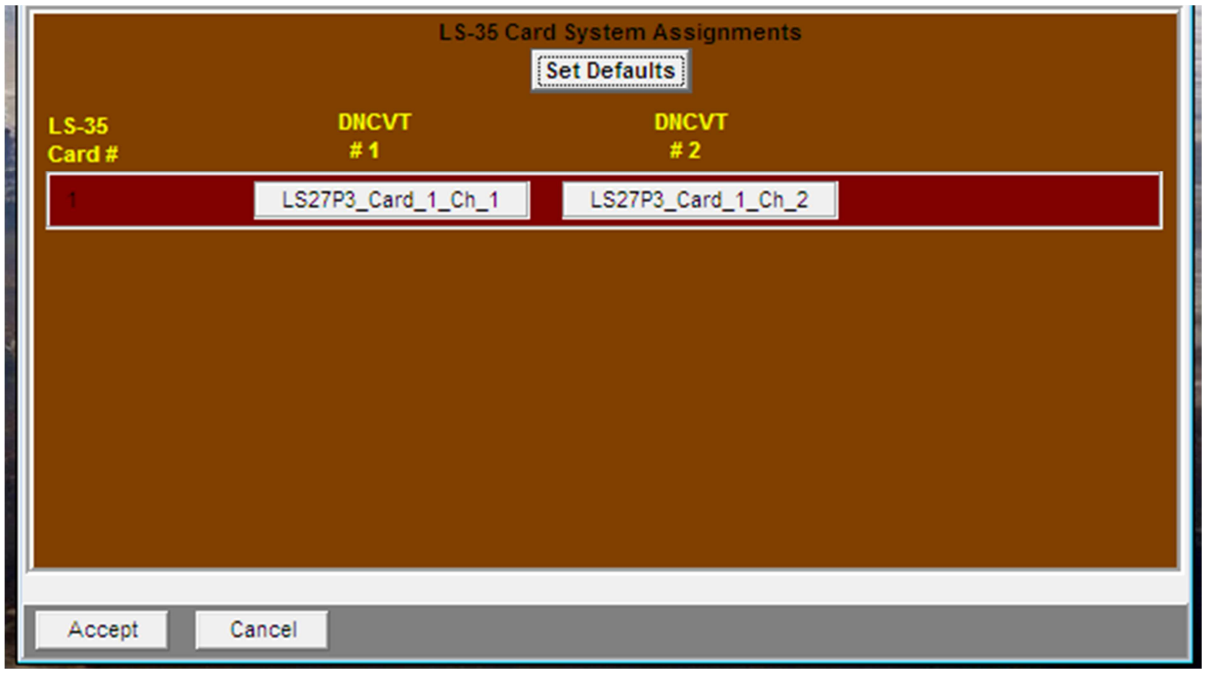


21) IMPORTANT: **Make sure NONE of the boxes under the Sim column are checked. The LRRS_3x software allows the HW to be simulated for demonstration purposes, but this is not what is desired for an operational receiver.**

22) In the brown box, click the "Set Defaults" button. They will go from "Not Used" to a card setup description that matches the hardware installed in the receiver .




23) Click "Accept" in the lower left hand corner.
24) Close and restart the LRRS application.
25) The Application should now be completely set up and ready for use.

**FOR TECHNICAL SUPPORT WITH LUMISTAR PRODUCTS, PLEASE FEEL FREE TO CONTACT:**

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