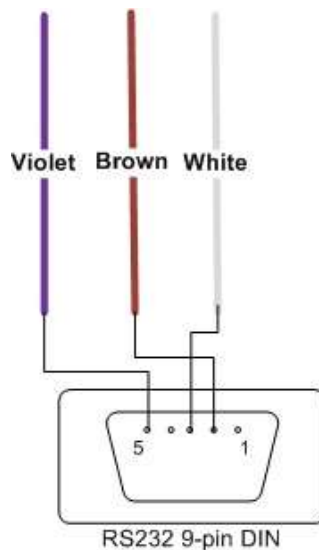


# TRES900S- Updating Firmware

## Connect Power and RS232

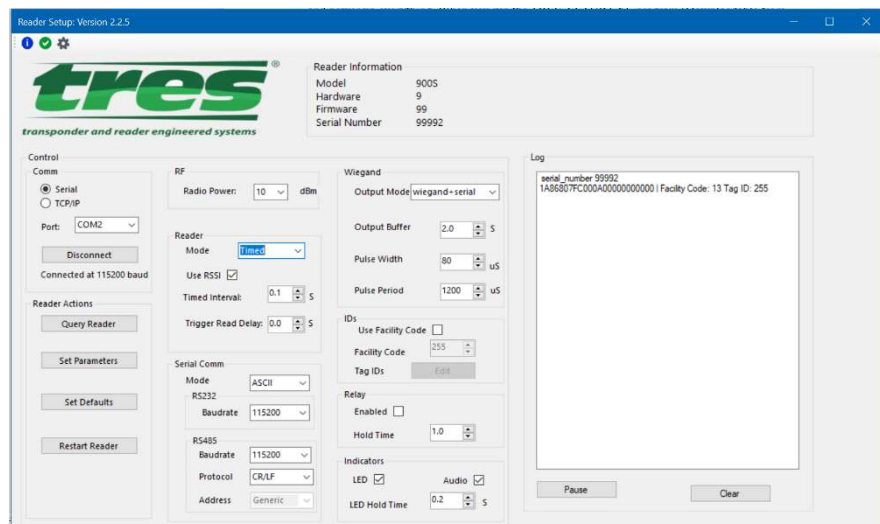
It is now time to connect to the PCBA. You should have pre-made a wire harness with at least the power and RS232 connections as noted below.



## TRES900S Interface Setup Program

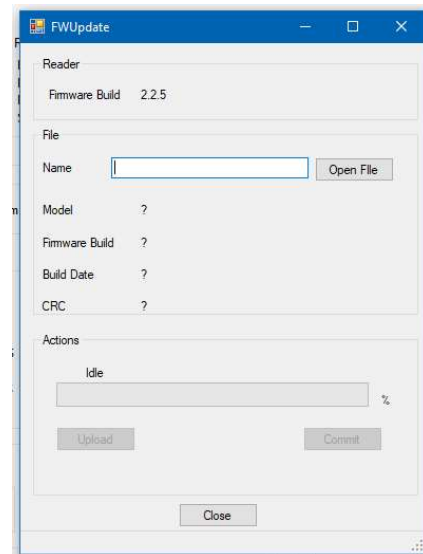
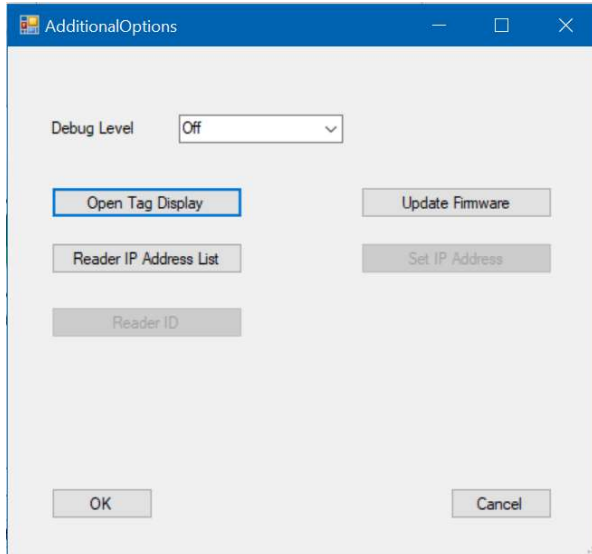
In this portion of the document you will learn how to communicate and configure the **TRES900S** Reader. Hook up your **TRES900S** and stated in the previous section, connect to a serial port, and power up everything. When you run the TRES\_SETUP.EXE program (Downloadable from our website) you will see the following screenshot:

As you can see from the image to the right you have many features that allow you to modify the **TRES900S** reader, so you can have a more successful install. Run the setup program and connect to the reader to your computer thru the serial port. The computer automatically does a query and loads all the info from the reader into your computer.

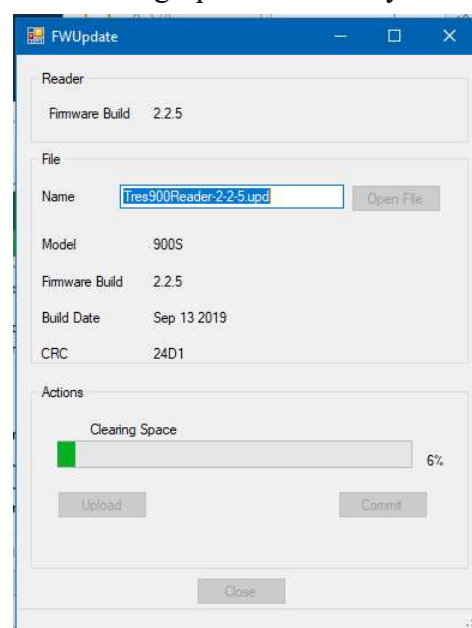
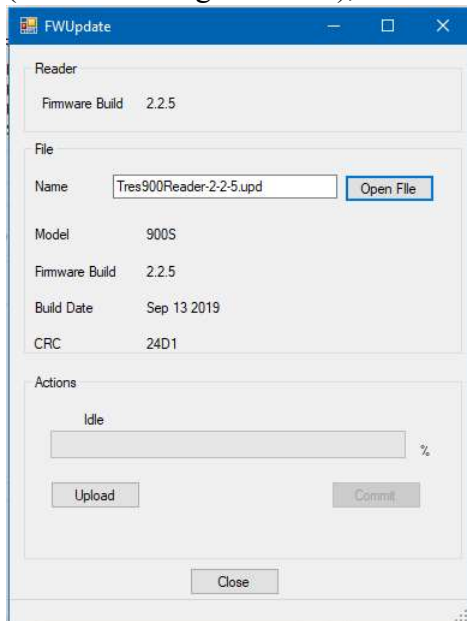


## Upper Left Tools

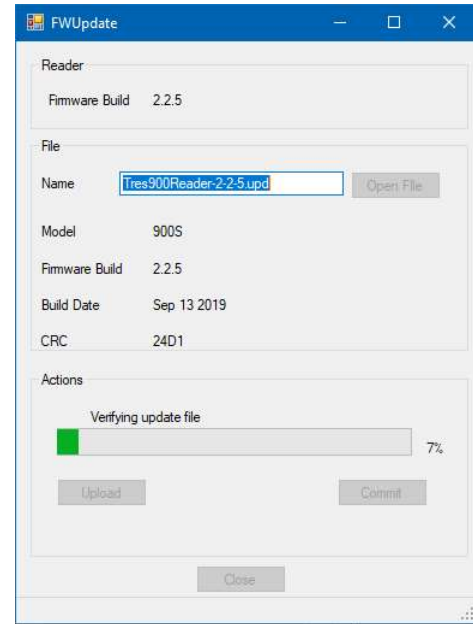
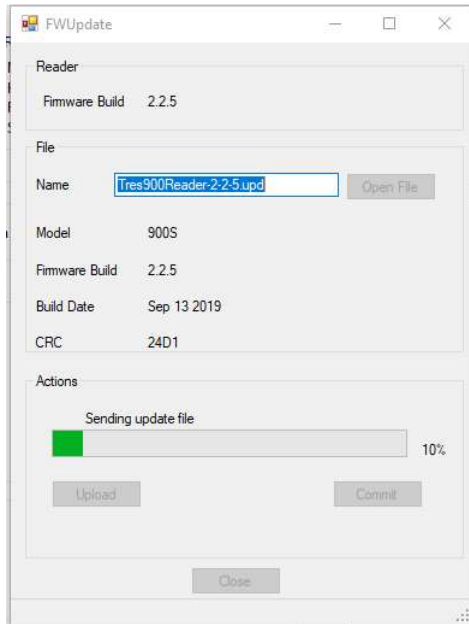
In the upper left section of the **TRES900S** Setup utility you will see three (3) icon buttons, the one that looks like a gear. **Update Firmware**, this allows you to update the firmware in the field. This is useful if there are changes to the product or if you have custom firmware. You will now see the



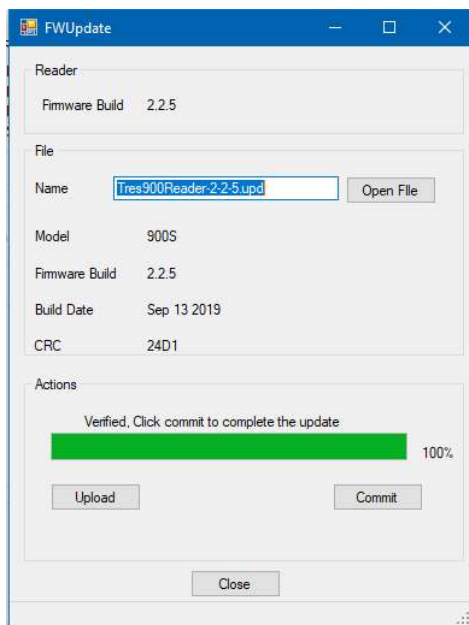
window that has the header FWUpdate as seen above right. Press the Open File button and look for the latest firmware, should be on our website [www.tresrfsolutions.com](http://www.tresrfsolutions.com). Select the firmware and you will see the following image window. Once you have the file, press the Upload button (lower left image window), the first thing the program does is Cleaning Space in memory.



The next step the firmware will automatically download the file to your reader (see image window below). After completed with the download, the program will then verify that the program is correct (see image window below right).



Once the firmware has been downloaded and verified, you will be prompted to select the Commit by pressing that Commit button to move the file into to backup flash module on the PCBA.



When all is completed, the reader will reset and beep. You can now re-connect to the reader by pressing the connect button. Reader will beep and you are ready to modify settings if you wish or just disconnect and use the reader.