S7G2 IoT Enabler Beta Kit Update Instructions

1 Copy Files to a USB Thumb Drive

Copy the files below to the USB thumb drive that will be plugged into the SKS7 board.

Wifi.txt
Song1.wav
Song2.wav
Red_alert.wav

2 Programming the SKS7 board

The drivers for the Segger Jlink should be automatically installed when connecting the micro USB cable to the Debug_USB connector on the SKS7 board and the other end to the PC.

If the drivers are not automatically installed, please follow the directions in Appendix 2 of the Lab 1 Smart Wine instructions to load the drivers.

Use the following files to program the desired firmware onto the SKS7 board.

Lab 1->Program_SmartWine.bat

Lab 2->Program_RemoteSongPlayer.bat

Lab 3-> Program_FunWithSensors.bat

The dashboards for the various labs can be access below. Please note that the dashboards for Lab 2 and Lab 3 require users to login with a ThingSpace account and then clone the dashboard.

Lab 1: https://freeboard.thingspace.io/board/0ZwMxr
Lab 2: https://freeboard.thingspace.io/board/LXcMxr
Lab 3: https://freeboard.thingspace.io/board/98AMxr

3 Programming the BLE Drivers

To update the BLE drivers on the SKS7 board please follow the steps below:

1. On your PC copy the file BLE_Modem.hex in the root directory of USB thumb drive.
2. Plug the USB thumb drive into the SKS7 board.
3. Run the Program_SK_S7_RL78_Programming.bat file. This will program the SKS7 board. The program will read the hex file from USB and the LCD will show the option to select the file using the S4 and S5 buttons on the board.
4. Press S5 button to program the hex file.
5. Disconnect the programmer. The BLE device is ready for the communication.
6. Reload the desired Lab image onto the SKS7 board.