Flashing RAK4630 bootloader with JLink

Required:

J-Flash (I use latest V7.58b) → https://www.segger.com/products/debug-probes/j-link/technology/flash-download/

WisBlock RAK4630 bootloader →

https://github.com/RAKWireless/WisBlock/tree/master/bootloader/RAK4630/Latest

as Hex file → <u>WisCore RAK4631 Board Bootloader.hex</u>

Remarks:

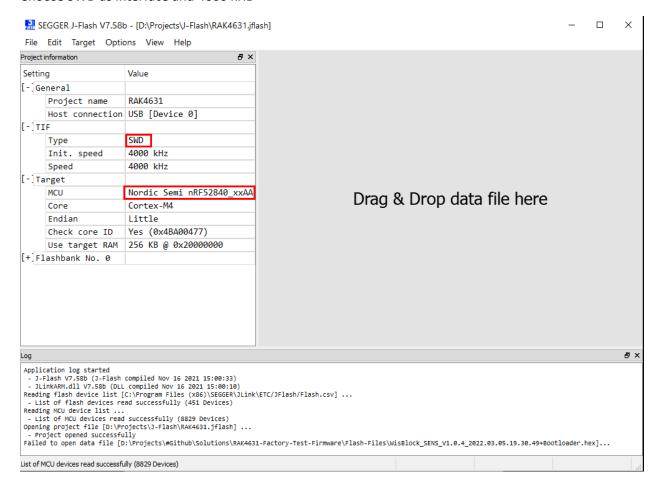
After flashing the bootloader, the application on the RAK4630 is erased. You need to flash your application again with ArduinoIDE or PlatformIO.

Make sure the RAk4630 is powered over USB. The JLink cannot power the module.

1) Start J-Flash and setup the device

Choose MCU Nordic Semi nRF52840_xxAA

Choose SWD as interface and 4000 kHz

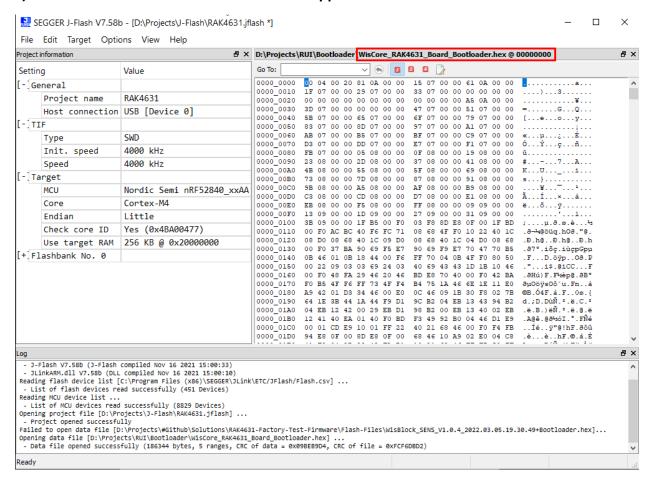


2) Connect JLink adapter to the RAK4630

Make sure that the RAk4630 is powered from USB. JLink cannot power up the RAK4630.

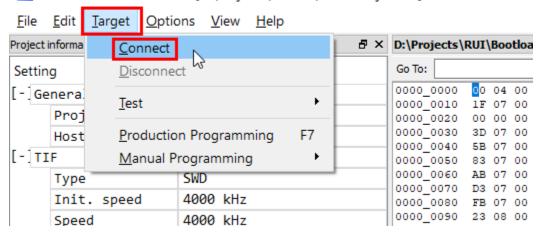


3) Load the RAK4630 bootloader into J-Flash application

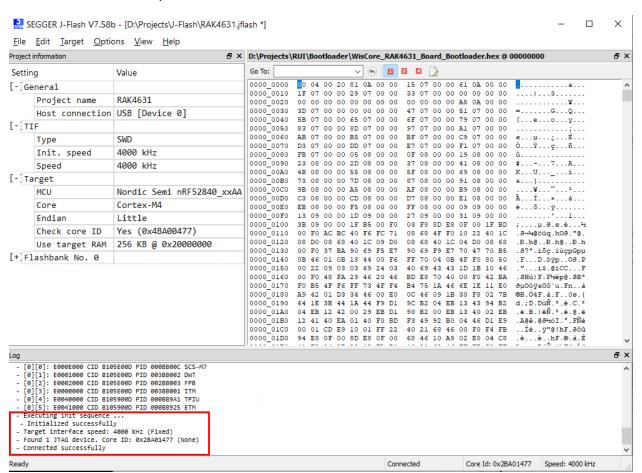


4) Connect J-Flash to the device

SEGGER J-Flash V7.58b - [D:\Projects\J-Flash\RAK4631.jflash *]

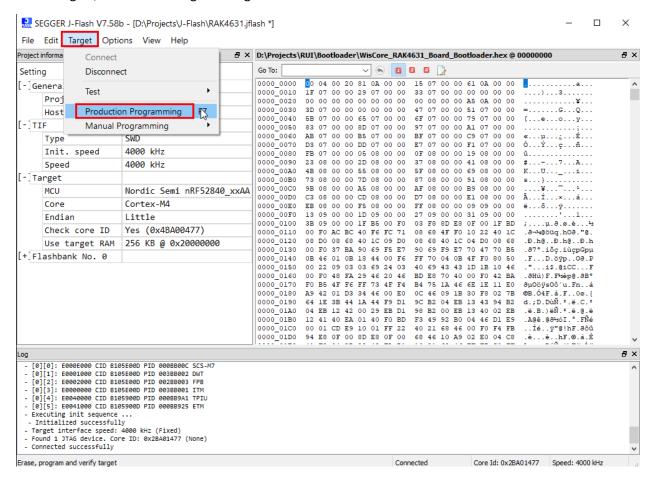


On successful connection, the J-Flash will show



4) Start flashing the bootloader

I am using F7, Production Programming



During flashing, a small window will pop up and show the status until it shows



I the J-Flash log you should see

