## Hardware (HW)

* BMD 350 evaluation board, equivalent to PCA10040

## Software

* nRF5 SDK 12.0
* SoftDevice: s132\_nrf52\_3.0.0\_softdevice.hex
* Bootloader (BL): nRF5\_SDK\_12.0.0\_12f24da\examples\dfu\bootloader\_secure None debug version
* Firmware application (FA): nRF5\_SDK\_12.0.0\_12f24da\examples\ble\_peripheral\experimental\_ble\_app\_buttonless\_dfu

## Action

1. Use nRFStudio to flash SoftDevice into HW
2. Use Keil to compile FA and flash into HW

### UART Log Message

**SDH:INFO:sd\_ble\_enable: RAM START at 0x20002128**

**:INFO:running nrf\_dfu\_settings\_init**

**:INFO:!!!!!!!!!!!!!!! Resetting bootloader settings !!!!!!!!!!!**

**:INFO:Erasing old settings at: 0x0007f000**

**:INFO:Erasing: 0x0007f000, num: 1**

**:INFO:Writing 0x00000057 words**

**:INFO:Writing settings...**

In Android “nRF Toolbox”, find device “Nordic\_Template”

1. Use Keil to compile bootloader and flash into HW

### UART Log Message

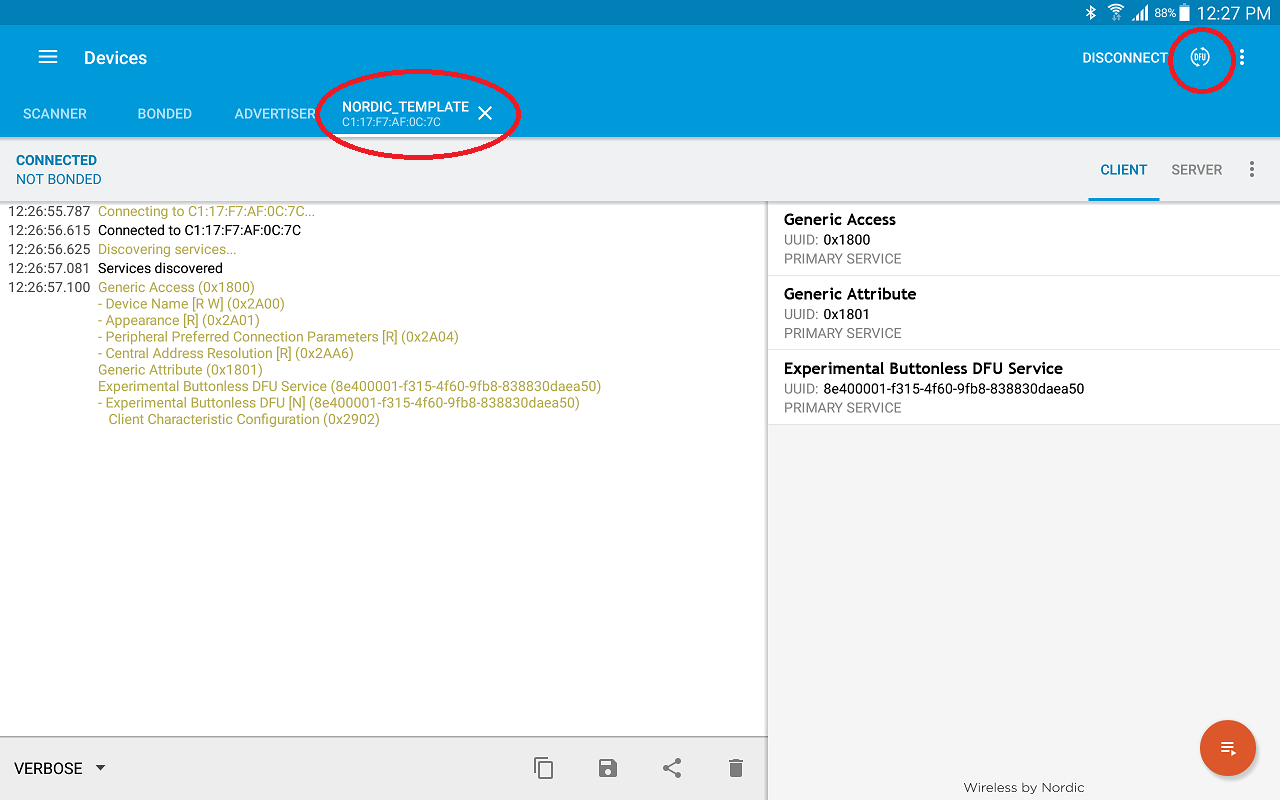
**SDH:INFO:sd\_ble\_enable: RAM START at 0x20002128**

**:INFO:running nrf\_dfu\_settings\_init**

HW LED1 and LED3 both on

In Android “nRF Toolbox”, find device “DfuTarg”

1. Follow the blog to generate application zip file (app\_dfu\_package.zip) for “experimental\_ble\_app\_buttonless\_dfu”
2. Use Android “nRF Toolbox” to flash zip file to HW device. Success
3. Device Reset
4. Use “nRF Connect” scan to find “Nordic\_Template”, DFU is discovered



1. Click DFU to start to flash app\_dfu\_package.zip, both “nRF Connect” and HW hang at “Starting Bootloader”.

