Updating EXA accessory firmware.

(using Nordic Semiconductor tools)

You can check current firmware version using RFIDDemo→About→Attached reader Info: Accessory.

RFIDDemo is under construction regarding secured DFU update so we need to use Nordic Semiconductor software instead.

Needed mobile software: (from Android PlayStore or from App Store for IoS devices)
"nRF Connect for Mobile"

Latest EXA Firmware files:

https://github.com/NordicID/nur_exa_firmware/

There is two application firmware available:
Basic (exa_application_xxx.zip) for cases where hi speed RFID reading is not required**.**
+ (HI Speed RFID reading) (exa_application_xxx+.zip) **Note**: some mobile phones not support this feature)

Download and store files in to your mobile phone locally or save in to the cloud storage like a Dropbox.

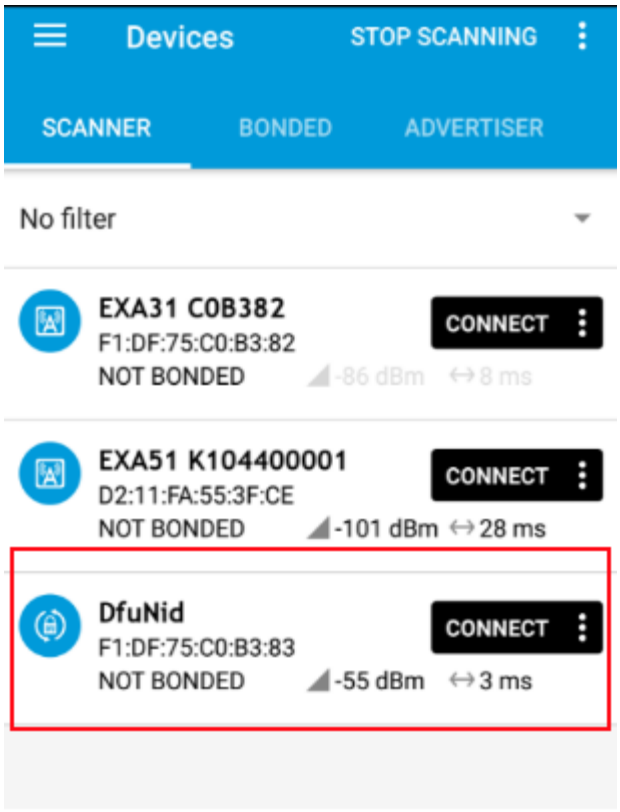
Note: if your accessory firmware version is lower than 2.0.5, then bootloader need to be updated first.

Follow instruction below to update Bootloader first and then application:

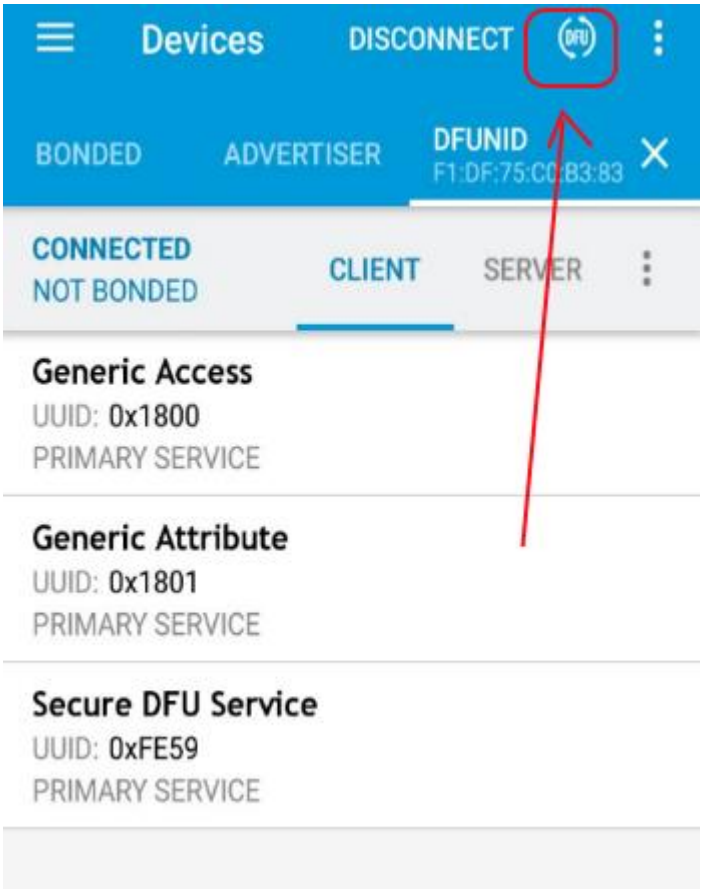
Setting device to boot mode:

- Power off device.
- Press and keep trigger button down --> -blue led blinks rapidly.
- **Press both: POWER and PAIR button down and then release.** → Left and right led's are on.
- Release trigger → Device is now in boot mode and advertises itself as "DfuNid" or "DfuEXA". If no DFU connection within 90 sec, device restart normally.

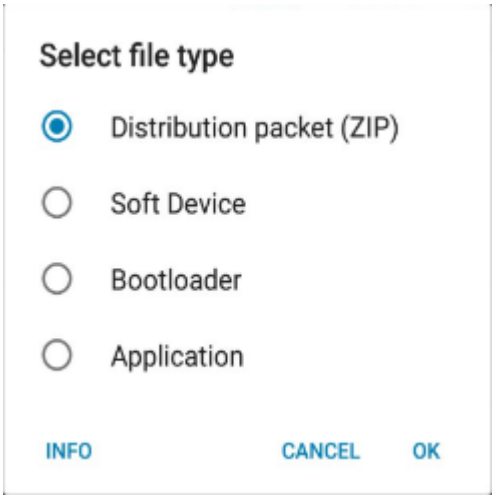
Updating Firmware:
-Open "nRF Connect" application from your mobile phone. (Make sure Bluetooth is enabled)
-"DfuNid" or "DfuEXA" should appear in the list. → Press "Connect"


Devices
STOP SCANNING
SCANNER
BONDED
ADVERTISER
No filter
EXA31 C0B382
F1:DF:75:C0:B3:82
NOT BONDED
-86 dBm
8 ms
CONNECT
EXA51 K104400001
D2:11:FA:55:3F:CE
NOT BONDED
-101 dBm
28 ms
CONNECT
DfuNid
F1:DF:75:C0:B3:83
NOT BONDED
-55 dBm
3 ms
CONNECT

after successful connection, following screen appears. Press DFU as pointed below:



Select Distribution packet (ZIP) and browse to firmware file:



follow updating procedure.

After DFU procedure, all led goes off and it takes about 30 sec before device restart so please be patient.