

Firmware Update: Cellular BluGateway

Dec 2022



Step 1

Install Nordic Semi's nRFConnect App from the Google play store

← nrf connect

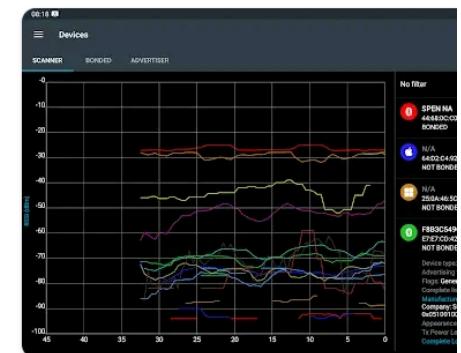
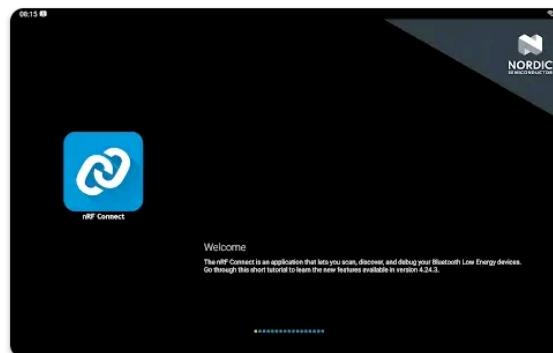


nRF Connect for Mobile
Nordic Semiconductor ASA

4.1★
2K reviews

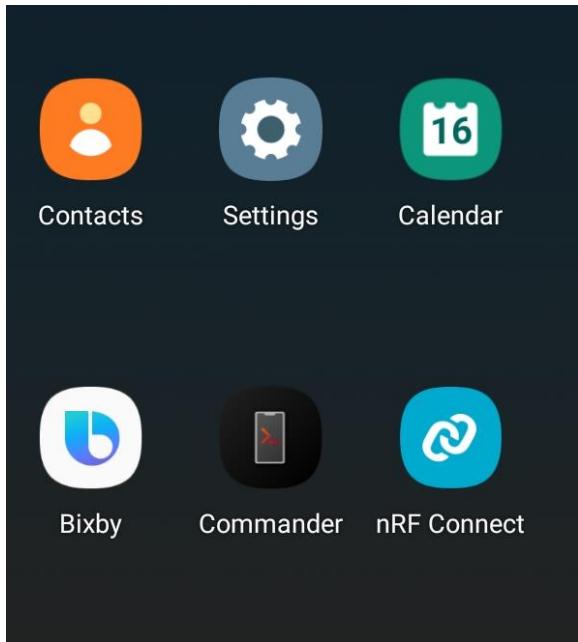
1M+
Downloads

E
Everyone ⓘ



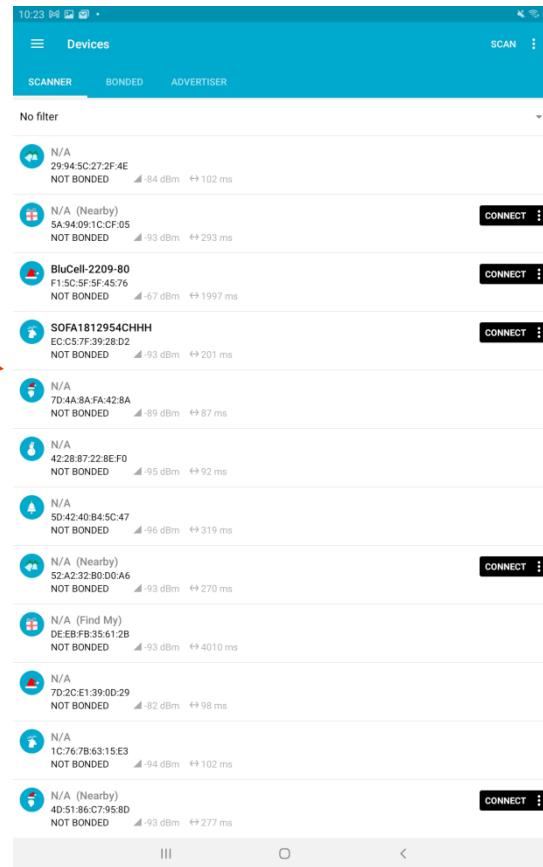
Scan and discover your Bluetooth Low Energy devices with nRF Connect for Mobile.

STEP 2



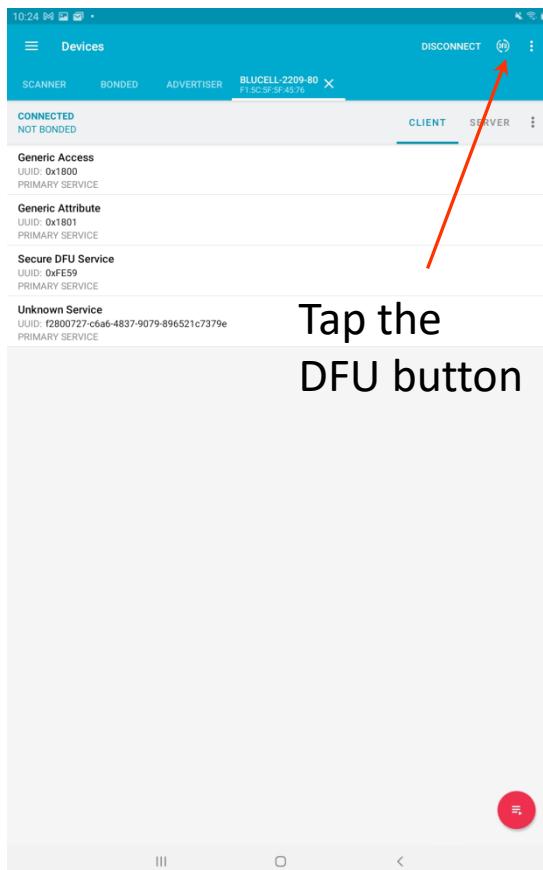
Click: on nRF-Connect

STEP 3



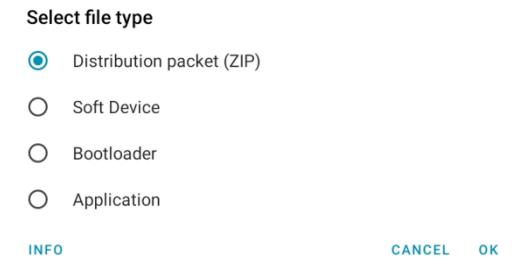
Connect to the Gateway:
BluCell 2209-80 in this case

STEP 4

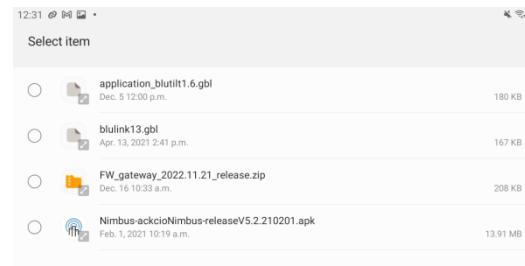


Important: make sure that the DFU (Device Firmware Update) will not be interrupted.

STEP 5- Run The DFU



Click OK



Select the file

The DFU process will start as indicated by a flashing icon at the top left of the screen.

There is no progress bar but a pop-up will indicate when the DFU is finished.

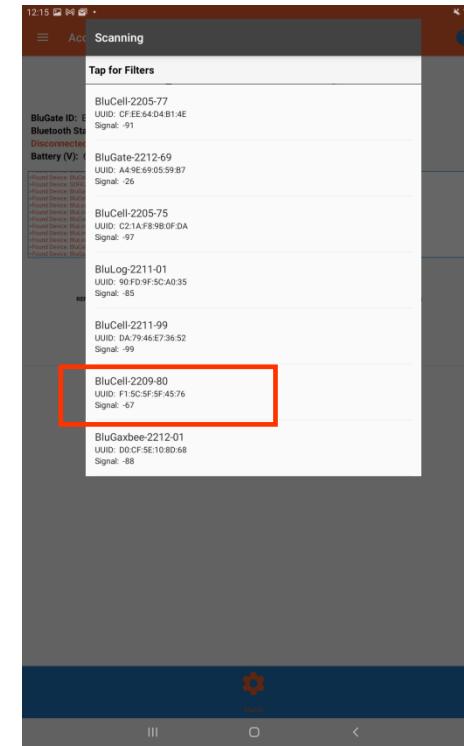
The process may take a couple of minutes

STEP 6



Open the BluPoint App and select the AccessPoint Activity

STEP 7



Tap connect and select the Gateway

Using the **Custom Cmd** function on the debug page:



STEP 8

Using the Custom command:

Set the ID:

Send Custom Command

ucom id 220980

CANCEL OK

STEP 9

Using the Custom command:

Set the Mode:

Send Custom Command

ucom mode 11

CANCEL OK

BluGateway (No Ports): mode 9
d4BluGateway: mode 11
VWBluGateway: mode 15

STEP 10

Using the Custom command:

Configure to production settings:

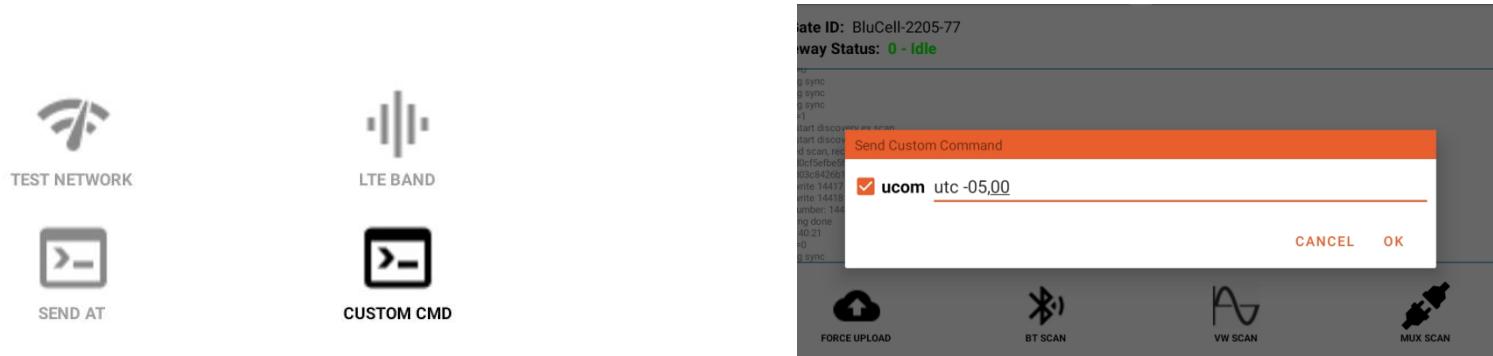
Send Custom Command

ucom prod init

CANCEL OK

FDU: Cellular BluGateway

Step 11: Set the time-zone for VantagePoint cloud database



Syntax: ucom utc -05,00

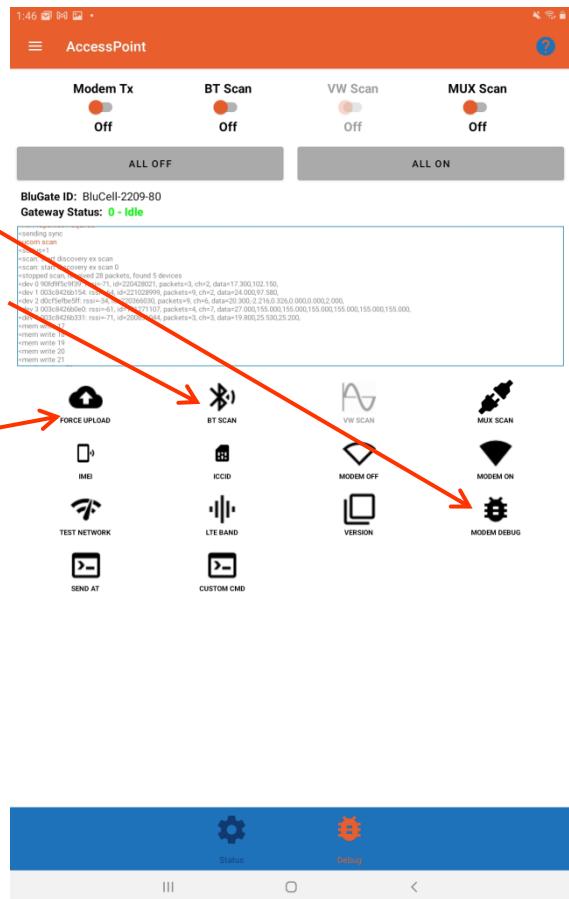
Must be + or - comma

STEP 10 Log file to check AT modem commands

1. Tap MODEM DEBUG

2. Press BT SCAN to run a BT5 scan
that will generate a set of readings

3. Tap FORCE UPLOAD



Using the **VIEW FILES** button, select
The viewfile/logs/btlogs.txt to check
the AT command list

```
204 2022-12-16T13:49:37.323-05:00: <OK
205 2022-12-16T13:49:37.335-05:00: <AT+CME=1
206 2022-12-16T13:49:37.388-05:00: <AT+CNEC?
207 2022-12-16T13:49:37.469-05:00: <+CNEC: 0,OK
208 2022-12-16T13:49:37.540-05:00: <OK
209 2022-12-16T13:49:37.549-05:00: <AT+CNEC=24
210 2022-12-16T13:49:37.695-05:00: <AT+CGEREP?
211 2022-12-16T13:49:37.764-05:00: <+CGEREP: 0,0,OK
212 2022-12-16T13:49:37.840-05:00: <+CGDCONT: 0,"IP","globaldata.iot",0,0,OK
213 2022-12-16T13:49:37.848-05:00: <AT+CGDCONT?
214 2022-12-16T13:49:38.065-05:00: <AT+CGACT?
215 2022-12-16T13:49:38.081-05:00: <+CGACT: 0,OK
216 2022-12-16T13:49:38.139-05:00: <OK
217 2022-12-16T13:49:38.152-05:00: <AT+CGEREP=1
218 2022-12-16T13:49:38.211-05:00: <AT+CIND=1,1,1
219 2022-12-16T13:49:38.289-05:00: <OK
220 2022-12-16T13:49:38.373-05:00: <OK
221 2022-12-16T13:49:38.381-05:00: <AT+CEREG=5
222 2022-12-16T13:49:38.514-05:00: <+CEREG: 5,2,"757B","00889E09",70K
223 2022-12-16T13:49:38.533-05:00: <AT+CEREG?
224 2022-12-16T13:49:39.268-05:00: <+CIND: "roam",1
225 2022-12-16T13:49:39.278-05:00: <+CGEV: ME PDN ACT 0+CEREG: 5,"757B","00889E09",7,,11100
226 2022-12-16T13:49:39.336-05:00: <AT+CESQ
227 2022-12-16T13:49:39.491-05:00: <+CESQ: 99,99,255,255,20,650K
228 2022-12-16T13:49:39.506-05:00: <AT%XMONITOR
229 2022-12-16T13:49:39.516-05:00: <rssi -58dBm
230 2022-12-16T13:49:39.653-05:00: <%XMONITOR: 5,,,,"302720","757B",7,12,"00889E09",184,5060,6
231 2022-12-16T13:49:39.660-05:00: <Registered, roaming
232 2022-12-16T13:49:39.711-05:00: <Operator: "", Band: 12, Cell ID: "00889E09",
233 2022-12-16T13:49:39.718-05:00: <Connected
234 2022-12-16T13:49:39.735-05:00: <Connected
235 2022-12-16T13:49:40.022-05:00: <OK
236 2022-12-16T13:49:40.040-05:00: <AT#XTCPCLI=0
237 2022-12-16T13:49:40.087-05:00: <AT#XTCPCLI=1,"test.yieldpoint.com",8000
```

Send this file to YieldPoint for
troubleshooting support.

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