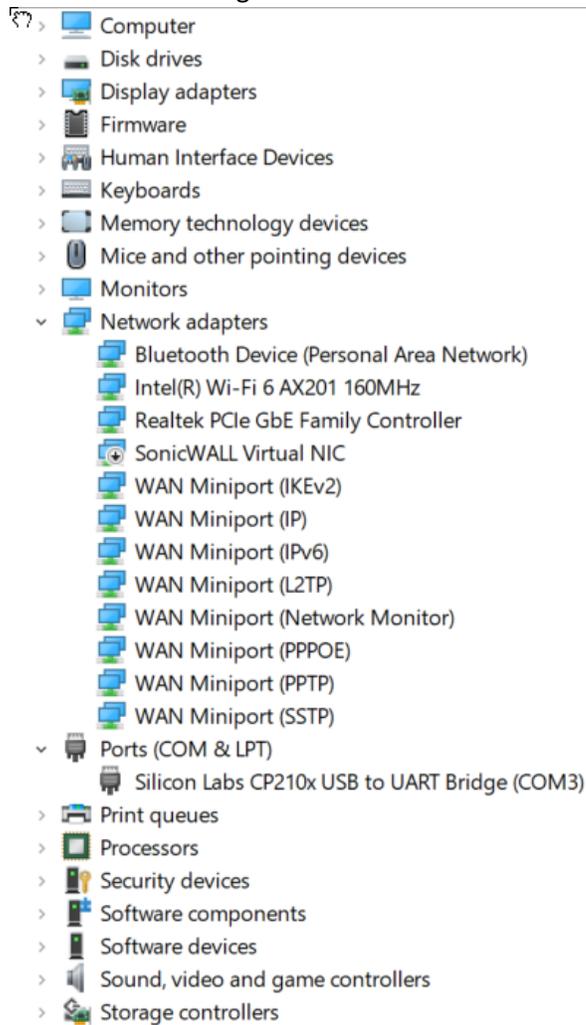


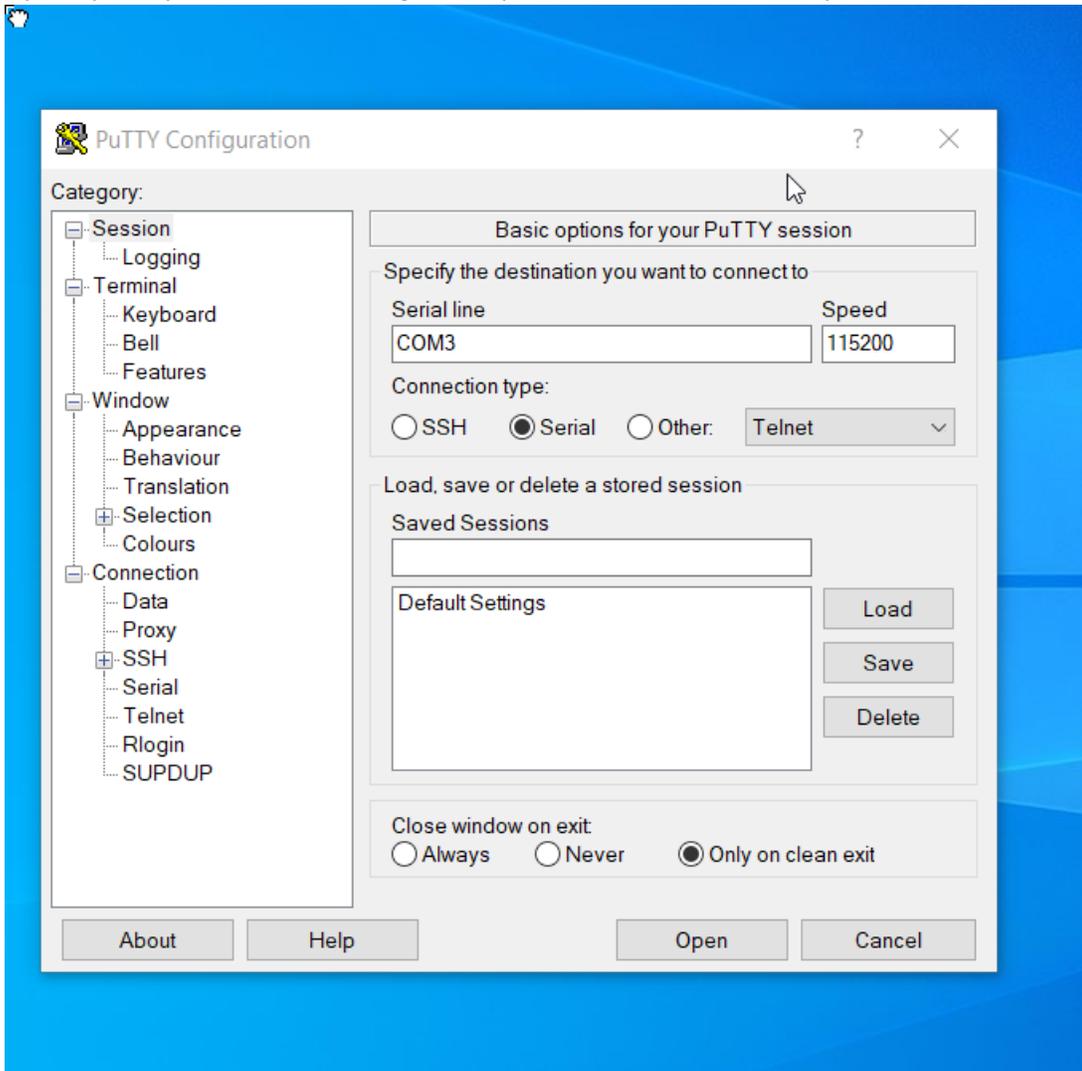
Programming Cell phone direction

- Usb to mini usb cable
- Serial emulator driver: <https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers>
- Putty Software: <https://www.putty.org/>

1. Download Putty Serial Emulator software and execute it.
2. Download Serial Emulator Driver
3. Power up your cell phone and connect to your computer through the USB port.
4. Go to Device Manager and check to see what com port you are connected to.

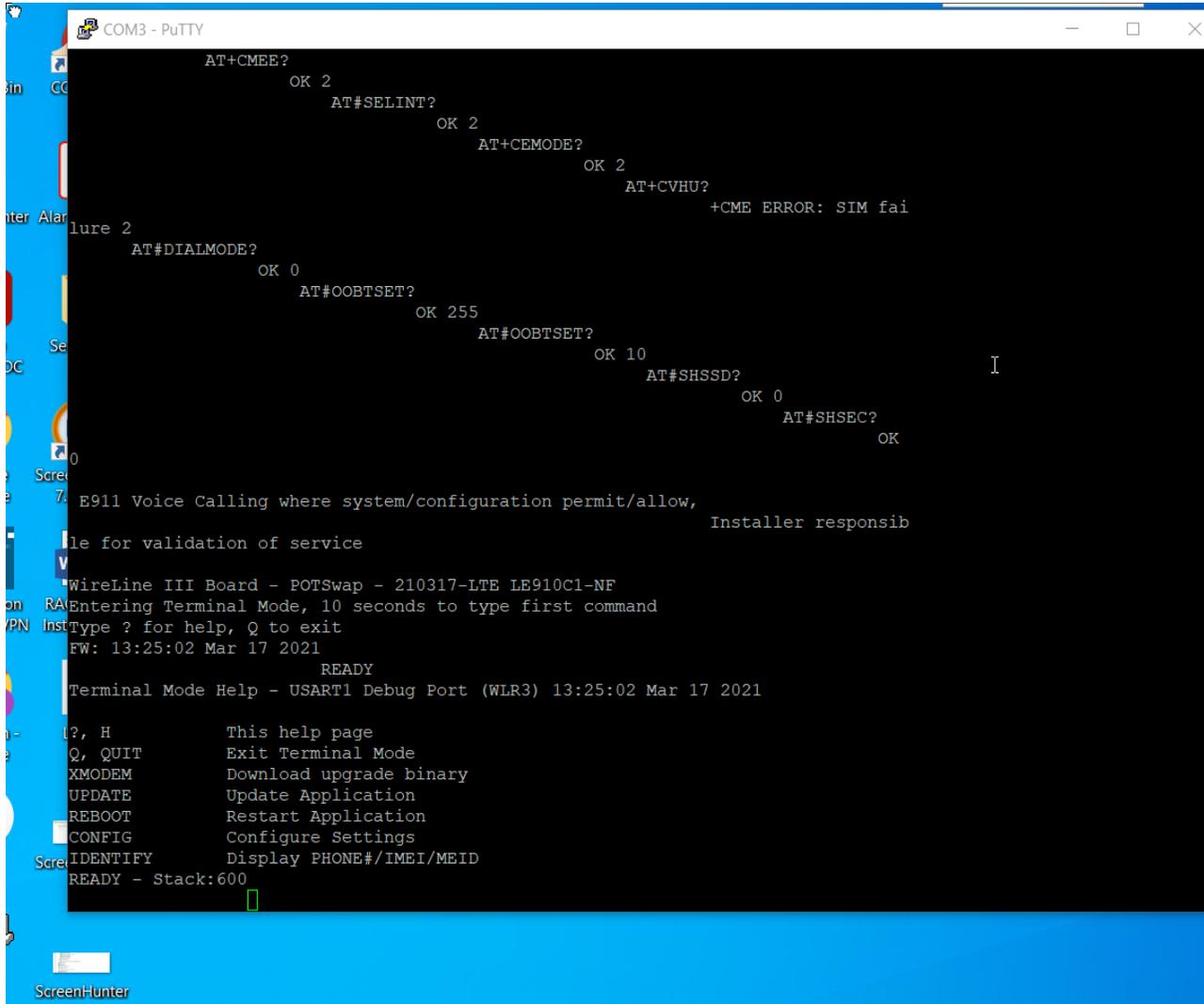


5. Open up Putty and Choose the right com port / click on serial / Set Speed to 115200



6. Unplug the power from the Cell Phone. When you plug in the power back into the Cell phone you have 16 seconds to go into programming mode. Plug in the power and hit Open.

- When it opens up you will see it going into program mode. When it says ready at and stop typing. Type in ? (The question mark button on your computer) Enter that will keep it in programming mode.



- Type in Config

```
E911 Voice Calling where system/configuration permit/allow,
le for validation of service
WireLine III Board - POTSwap - 210317-LTE LE910C1-NF
Entering Terminal Mode, 10 seconds to type first command
Type ? for help, Q to exit
FW: 13:25:02 Mar 17 2021
READY
Terminal Mode Help - USART1 Debug Port (WLR3) 13:25:02 Mar 17 2021
?, H This help page
Q, QUIT Exit Terminal Mode
XMODEM Download upgrade binary
UPDATE Update Application
REBOOT Restart Application
CONFIG Configure Settings
IDENTIFY Display PHONE#/IMEI/MEID
READY - Stack:600
config
Janus Remote Communications - WireLine III Board - POTSwap Configuration
=====
Open Switching Interval [900 ] 0-1200 ms
Dialing Tone Timeout [30000] 500-60000 ms
Dialing Digit Timeout [4000 ] 250-15000 ms
Busy Dwell Timeout [6000 ] 1000-30000 ms
Fixed Format Dialing [0] 0-1
Fail Over Mode [0] 0-2
VoLTE DTMF Duration [255] 0-255 x10ms
VoLTE DTMF Volume [10] 1-10
Inbound Audio Gain [1] 1-16
Outbound Audio Gain [4] 1-16
Press M=Modify, D=Defaults, X=Exit and Save, Q=Quit and Discard
```

9. Type in M for modify and it will allow you to modify the options. The DTMF volume does not work. You will have to adjust the inbound audio Gain. Default is 4 but we usually set it to 10 for Verizon. In your area you might have to max it to 16.

10. After you modify it make sure to hit X to exit and save.

```
COM3 - PuTTY
Fail Over Mode [0] 0-2
VoLTE DTMF Duration [255] 0-255 x10ms
VoLTE DTMF Volume [10] 1-10
Inbound Audio Gain [1] 1-16
Outbound Audio Gain [4] 1-16
Press M=Modify, D=Defaults, X=Exit and Save, Q=Quit and Discard
Type in new setting, or ENTER to retain/skip field(s)
Open Switching Interval (0-1200 ms) [900] :
Dialing Tone Timeout (500-60000 ms) [30000] :
Dialing Digit Timeout (250-15000 ms) [4000] :
Busy Dwell Timeout (1000-30000 ms) [6000] :
Fixed Format Dialing (0=Off,1=On) [0] :
Fail Over Mode (0=Off,1=Home,2=Home+Roam) [0] :
VoLTE DTMF Duration (0-255 x10ms) [255] :
VoLTE DTMF Volume (1-10) [10] :
Inbound Audio Gain (1-16) [16] : 10
Outbound Audio Gain (1-16) [4] :

Janus Remote Communications - WireLine III Board - POTSwap Configuration
=====
Open Switching Interval [900 ] 0-1200 ms
Dialing Tone Timeout [30000] 500-60000 ms
Dialing Digit Timeout [4000 ] 250-15000 ms
Busy Dwell Timeout [6000 ] 1000-30000 ms
Fixed Format Dialing [0] 0-1
Fail Over Mode [0] 0-2
VoLTE DTMF Duration [255] 0-255 x10ms
VoLTE DTMF Volume [10] 1-10
Inbound Audio Gain [1] 1-16
Outbound Audio Gain [4] 1-16
Press M=Modify, D=Defaults, X=Exit and Save, Q=Quit and Discard
```