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: <u>https://www.putty.org/</u>
- 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.
 - Computer
 Disk drives
 - Discurves
 Display adapters
 - Firmware
 - Firmware
 - Human Interface Devices
 - Keyboards
 - > 🧾 Memory technology devices
 - Mice and other pointing devices
 - > 📃 Monitors
 - Vetwork adapters
 - 🖵 Bluetooth Device (Personal Area Network)
 - 🖵 Intel(R) Wi-Fi 6 AX201 160MHz
 - 🖵 Realtek PCIe GbE Family Controller
 - 💿 SonicWALL Virtual NIC
 - WAN Miniport (IKEv2)
 - 🚍 WAN Miniport (IP)
 - 🚍 WAN Miniport (IPv6)
 - 🚍 WAN Miniport (L2TP)
 - 🖵 WAN Miniport (Network Monitor)
 - 🚍 WAN Miniport (PPPOE)
 - 🖵 WAN Miniport (PPTP)
 - 🚍 WAN Miniport (SSTP)
 - Ports (COM & LPT)
 - Silicon Labs CP210x USB to UART Bridge (COM3)
 - 🖻 Print queues
 - Processors
 - Security devices
 - Software components
 - Software devices
 - > 4 Sound, video and game controllers
 - > 🍇 Storage controllers

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

Session Logging Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Connection type: Selection Colours Connection Data Proxy SSH Serial Default Settings Load Save Default Settings Load Save Delete Close window on exit Always Never Only on clean exit	ategory:	\searrow
 Logging Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Connection Data Proxy SSH Serial Telnet Rlogin SUPDUP System window on exit Always Never Only on clean exit 	Session	Basic options for your PuTTY session
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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.

7. 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.

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		Be COM3 - PuTTY		_	\times
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		WireLine III Board - POTSwap - 210317-LTE LE910C1-NF			
on	RAC	Entering Terminal Mode, 10 seconds to type first command			
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8. Type in Config

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E911 Voice Calling where system/configuration permit/allow,
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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
               This help page
              Exit Terminal Mode
               Download upgrade binary
XMODEM
              Update Application
UPDATE
REBOOT
              Restart Application
              Configure Settings
CONFIG
IDENTIFY
              Display PHONE#/IMEI/MEID
READY - Stack:600
                config
Janus Remote Communications - WireLine III Board - POTSwap Configuration
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Open Switching Interval [900 ] 0-1200 ms
Dialing Tone Timeout
                        [30000] 500-60000 ms
[4000 ] 250-15000 ms
Dialing Digit Timeout
                        [6000 ] 1000-30000 ms
Busy Dwell Timeout
Fixed Format Dialing
Fail Over Mode
VoLTE DTMF Duration
VoLTE DTMF Volume
                        [10] 1-10
Inbound Audio Gain
Outbound Audio Gain
Press M=Modify, D=Defaults, X=Exit and Save, Q=Quit and Discard
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 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 VoLTE DTMF Volume	[255] 0-255 x10ms [10] 1-10		I		
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VoLTE DTMF Duration VoLTE DTMF Volume	[255] 0-255 x10ms [10] 1-10				
Inbound Audio Gain Outbound Audio Gain	[1] 1-16 [4] 1-16				
Press M=Modify, D=Defau	lts, X=Exit and Save, Q=Quit and Disc	ard			