

Pixel 3 VoLTE Malaysia

This is a tutorial to enable VoLTE function for few Malaysia telcos on Pixel 3.

**WARN : I WILL NOT BE RESPONSIBLE IF YOUR PHONE IS BRICKED.
DO AT YOUR OWN RISK**

Requirements :

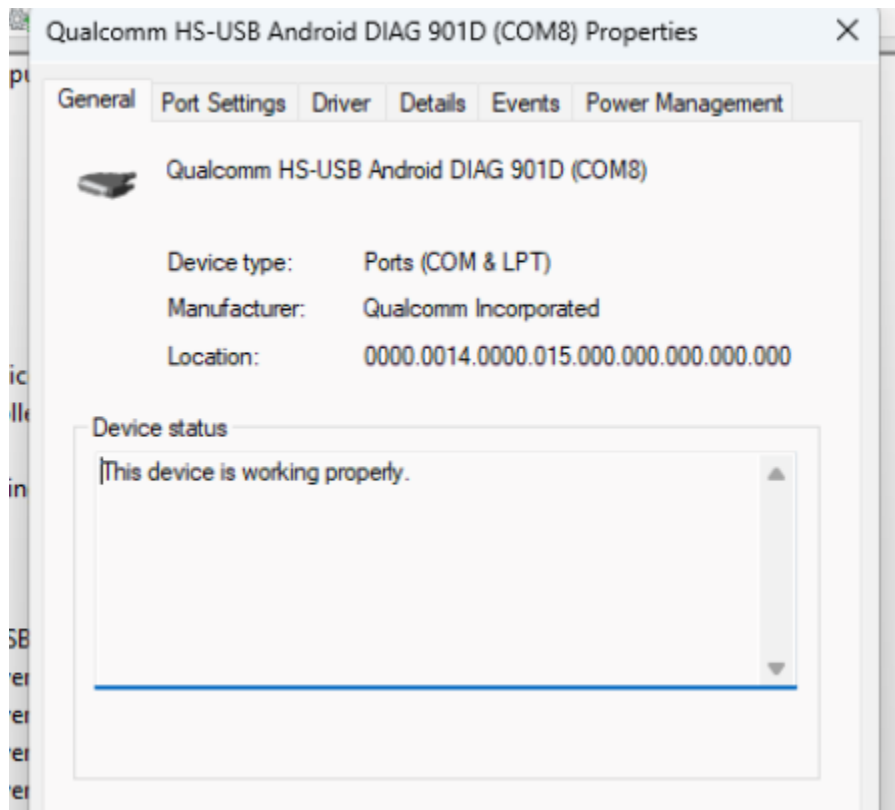
1. Unlocked Bootloader
2. Magisk installed
3. A computer with Qualcomm QPST Driver (Can be found in the Google Drive link below) / ADB (Platforms Tools , can be downloaded from Google) Installed
4. Custom Rom (Optional , not sure if stock rom work or not , i'm using PixelExperience+)

Steps :

1. Go to <https://drive.google.com/drive/folders/1F-MkWPE9pSg1Zk61xOrdOcdnfwcW9fd8?usp=sharing> and download all the zip files
2. Once you have Magisk Installed , install these 3 modules :
 - MagiskHidePropsConf-v6.1.2
 - Pixel_3_LTE-VoLTE_Enabler
 - safetynet-fix-v2.2.1Reboot after done install
3. Install **Termux** and **Network Signal Guru** from Google Play Store
4. Open Network Signal Guru and authorize NSG for root , and check can NSG detect LTE or just shows NA
If it shows NA , follow steps below :
 1. Open Termux , input **su**
 2. Authorize root for Termux
 3. Type **props**
 4. Input the choice for "Add/edit custom props"
 5. Input the choice for "new custom prop"
 6. Type in **ro.vendor.build.type** then press enter
 - 6b. Input yes to continue
 7. Type in **userdebug** then press enter
 8. The default boot stage is fine
 9. Reboot

After this , your NSG should work. Make sure Network Signal Guru **MUST** be able to detect ur LTE signal details or else it won't work (in my case)

5. Now , connect USB cable from your Pixel 3 to computer and **enable USB Debugging**
6. On your computer . navigate to the directory which ADB exist , then open Command Prompt from there , then type **adb shell**
7. Trust your computer on your devices
8. Input **su**
9. Authorize shell for root
10. Input **resetprop ro.bootmode usbradio && resetprop ro.build.type userdebug && setprop sys.usb.config diag,diag_mdm,adb**
11. Input **diag_mdlog**
12. It should give us an error failed to open diag socket , now put Ctrl+C to cancel it
13. Change ur USB config from Non File Transfer - File Transfer - Non File Transfer
14. Open Device Manager , you should see Qualcomm HS-USB DIAG XXX



15. Extract the EfsTools-0.13-modded-YTL-VoLTE.zip , this ZIP file contains default Yes 4G VoLTE MBN files , but it works for me on Digi & Celcom , there's extra MBN files inside this zip files so you can replace yourself if it doesn't works.
16. Open Command Prompt in the extracted EfsTools-0.13-modded-YTL-VoLTE folder
17. Now , input this three command :

```
EfsTools.exe writeFile -i mcfg_autoselect_by_uim -o /nv/item_files/mcfg/mcfg_autoselect_by_uim
```

```
EfsTools.exe writeFile -i mcfg_autoselect_by_uim -o /nv/item_files/mcfg/mcfg_autoselect_by_uim -s 0
```

```
EfsTools.exe writeFile -i mcfg_autoselect_by_uim -o /nv/item_files/mcfg/mcfg_autoselect_by_uim -s 1
```

18. After done , input this three command :

```
EfsTools.exe uploadDirectory -i mcfg_sw.mbn -o / -v
```

```
EfsTools.exe uploadDirectory -i mcfg_sw.mbn -o / -s 0
```

```
EfsTools.exe uploadDirectory -i mcfg_sw.mbn -o / -s 1
```

19. After done , **reboot** your Pixel 3 , wait for few minutes (1-2 minutes) and head to **dialer** , input *****4636***** , select **Phone Information -> Three Dots -> IMS Details** , and check is **VoLTE available** (Screenshot available on next page)
20. Tested telcos that works with this MBN file is **Yes 4G / Digi and Celcom in my case**

Current Network: YES FT5G
Roaming: Not Roaming
Data Service: Connected
Data Network Type: LTE
Voice Service: In Service
Voice Network Type: LTE
Signal Strength: -109 dBm 31 asu
DL Bandwidth (kbps): 2031
UL Bandwidth (kbps): 8728
LTE Physical Channel Configuration:
Set Preferred Network Type:

IMS Status

IMS Registration: Registered
Voice over LTE: Available
Voice over WiFi: Unavailable
Video Calling: Available
UT Interface: Available

WiFi Calling Provisioned

EAB/Presence Provisioned

Cbrs Data

RUN PING TEST

Ping Hostname(www.google.com) IPv4:

Ping Hostname(www.google.com) IPv6:

HTTP Client Test:

Data Sent: 901 pkts, 146731 bytes

Data Received: 784 pkts, 721041 bytes

Number of PPP Reset Since Boot:

Voice Call Status: Idle

Message Waiting: false

Call Redirect: false

Cell Info Refresh Rate:

Disabled

All Cell Measurement Info:

LTE