**EWM FAQ**

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| **Category** | EWM | **Date** | 2018/08/14 |
| **Keyword** | EWM-C109F6G1E ,3G Connection,GPS AT command,Ubuntu 16.04 LTS and above version | | |

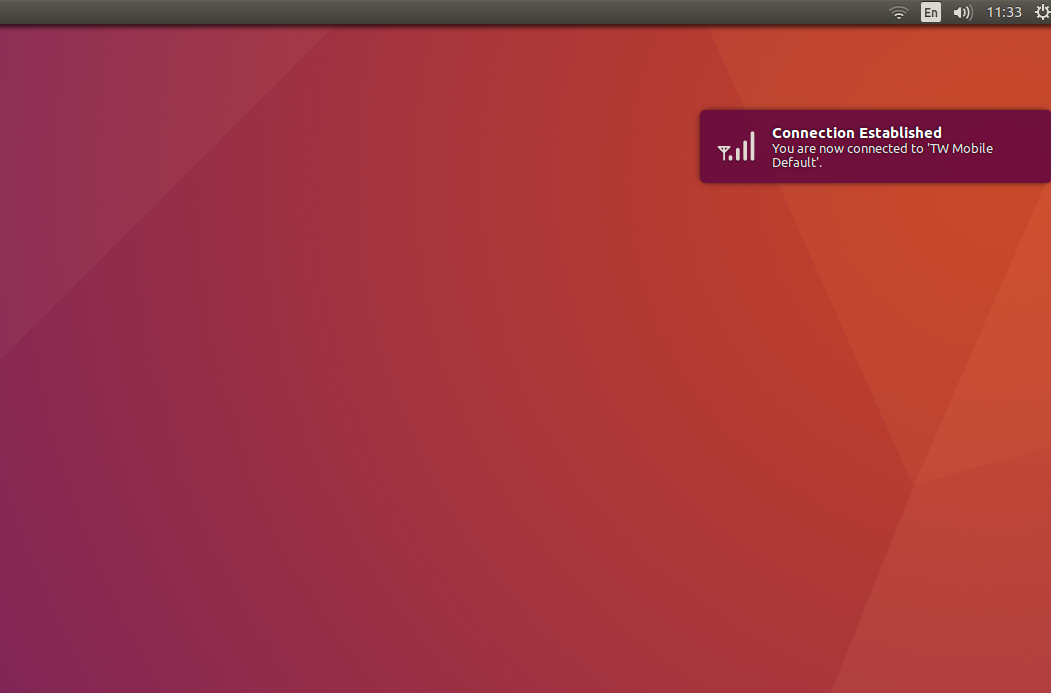
* **Question:**

How to enable GPS function with EWM-C109F6G1E automatically when system startup on Ubuntu Linux OS?

* **Instructions :**

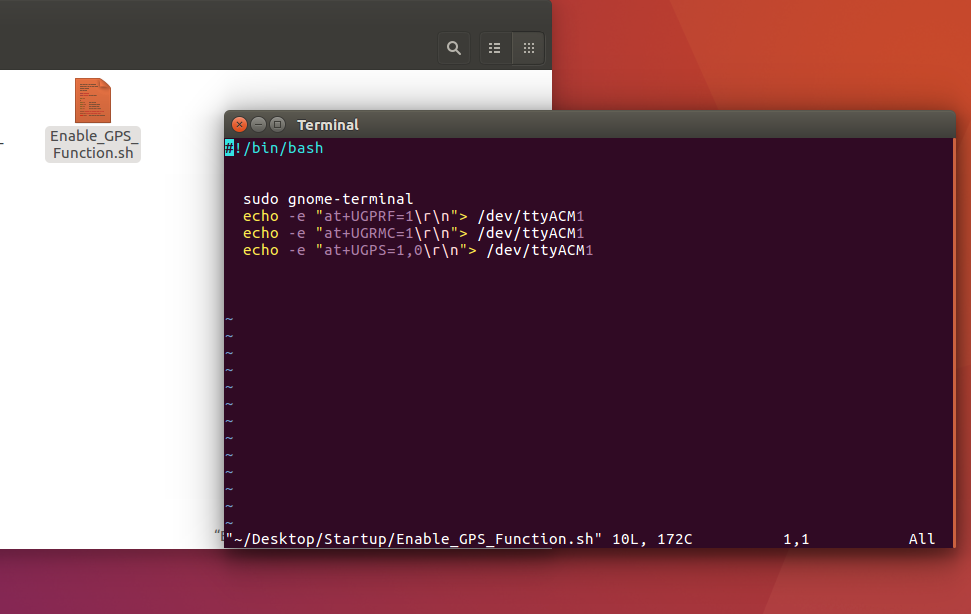
Step 1

Before enabling GPS function on EWM-C109F6G1E,please ensure the 3G connection has established on your system already.



Step 2

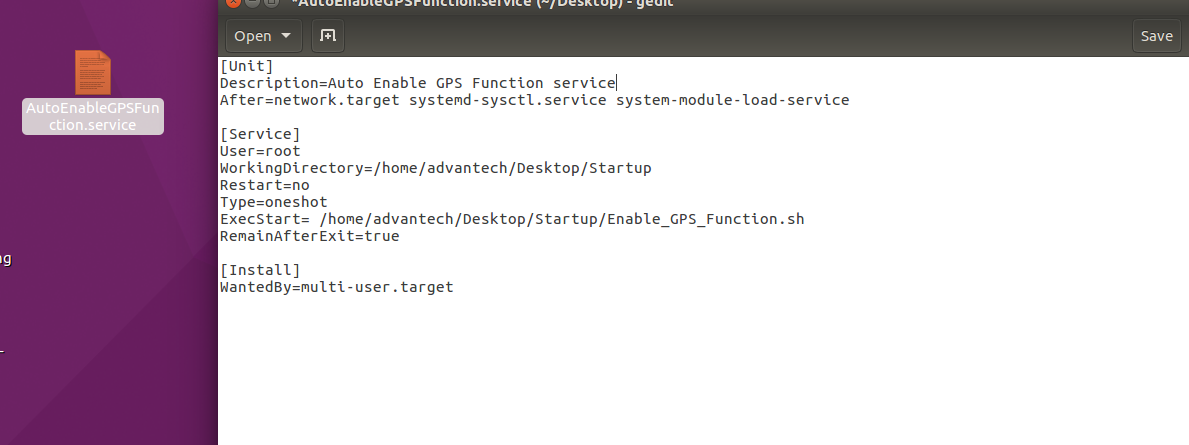
Create a shell script to execute “AT commands” automatically under specific folder(/home/Desktop/Startup) <refer to attached script file below>





Step 3

Create a startup service under specific folder(/etc/systemd/system/)which can execute “Enable\_GPS\_Function.sh” script when boots up system automatically <please refer to attached service file below>





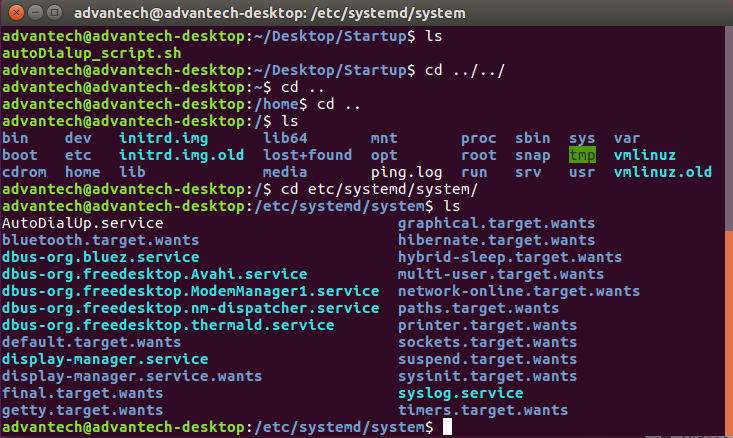
<Directory modification>

/etc/systemd/system/AutoEnableGPSFunction.service

|  |
| --- |
| [Unit]  Description= Auto Enable GPS Function service  After=network.target systemd-sysctl.service systemd-modules-load.service  [Service]  User=root  WorkingDirectory=/home/advantech/Desktop/Startup  Restart=no  Type=oneshot  ExecStart=//home/advantech/Desktop/Startup/Enable\_GPS\_Function.sh  RemainAfterExit=true  [Install]  WantedBy=multi-user.target |

Step 4

Double check if the service has created under specific folder



Step 5

Shut down your system and confirm if the GPS data can output on specific Port (ttyACM3) in minicom after booting up

