

Hardware Implementation of GPS Tracking System Using SIM808 module

Instructions for the project :

1. Connect Ac adaptor with a power source.
2. Press the power button placed on the module for 3 seconds.
3. Then release the button when the power led is turned on.
4. Wait until **ready message**¹ is sent to the **admin number** ² selected in program .
5. Now the project is ready to use and waiting for new messages or calls .
6. To communicate with the project, you can either send SMS message or dial the **GSM mobile number**.³
7. To get GPS data you can either call the GSM Mobile Number or Send The **Password Keyword**⁴ and **GPS Data Flag**⁵ in SMS message To GSM Mobile Number.
8. If you call The GSM Mobile Number it waits for 2 seconds and then hangs up the call. Then the module send SMS message with GPS data to this mobile number.
9. Also, you can perform any AT commands like **Power On GPS** ⁶, **Power OFF GPS** ⁷or **Check GPS Status** ⁸ with the same way as previous instruction.
10. You can also Get GPS data and perform an AT Command in the same Message.
11. Finally , There is an **emergency message**⁹ which is not required to send password flag with it . When the module receives an emergency message , it calls the admin number .

¹ SIM808 is ready to use :)

² 01270989676

³ 01500377147

⁴ weeka

⁵ GET_GPS

⁶ AT+CGPSPWR=1

⁷ AT+CGPSPWR=0

⁸ AT+CGPSSTATUS?

⁹ help