



SMS Command Example Command/Report (Short form use)

SAFETY AND SECURITY REPORTING

<p>SPEED,x Reports if car travels above x km/h. Range is 10-300. Reports again after car has slowed 10km under limit. SPEED,OFF turns off reporting</p>	<p>S,100 / S,OFF Tramigo: Speed limit detected, moving, 0.22 km NE of Bangkok City Hall, Phranakhon, Bangkok, TH, SW with speed 115 km/h, 08:30 Nov 2</p>
<p>LISTEN,phoneNumber – Your T23 Fleet will call you up and allow you to listen to the area around the unit. Requires optional T23 Fleet microphone accessory. The phone number is optional and the T23 Fleet will call this number instead of your mobile phone.</p>	<p>LISTEN,+123456789</p>
<p>Personal Assistance – Pressing the panic button (triangle icon) for more than 2 seconds will send SOS report to all users.</p>	<p>Tramigo: alarm detected, panic button activated, parked, at Tramigo Office, Bel Air, Makati City, PH, 14.55895, 121.01931, 03:05 Oct 30</p>

Phone Calls – Pressing the phone button for more than 2 seconds will call the 1st user in the speed dial list. Pressing a second time will call the 2nd user up to 3 users. Use SD,1,phoneNumber to add a number to slot 1. SD command will list the users you have set. To answer incoming calls press the phone button. A hands free kit is needed to use this feature.

SETUP AND MAINTENANCE

<p>NAME,name – Sets the name of your car (up to 15 characters). User must have OWNER authority</p>	<p>NAME, Calvin's Car</p>
<p>ADDUSER,phone number,level – Adds replaces an entry in the user list. Level can be OWNER, FRIEND, or GUEST Owner can issue all commands, Guest only FIND LISTUSER Lists the last 4 digits of each user</p>	<p>AU,+5555555,OWNER Adds the number with OWNER authority LU Tramigo: ListUser, 1-4556 2-5555, 22:58 Nov 21</p>
<p>LISTUSER,ALL Lists the complete details of all users</p>	<p>LU,ALL Tramigo: ListUser, #1 +5555555 Owner - reports: Power - Trip, 22:58 Nov 21 DU,2 Deletes user number 2</p>
<p>DELUSER,X Deletes a specific user User must have OWNER authority.</p>	
<p>ADDPLACE,place – Adds your own location to the Tramigo location directory. Tramigo will use the coordinates of the location your vehicle is currently at. Best to park your stop your vehicle first.</p>	<p>AP,Office Name can be up to 40 digits. Upper and lower case. Letters and numbers only. Now try a F command: Tramigo: parked, at Office, 20:38 Nov 5 DP,Office</p>
<p>DELPLACE,place Removes a location you have added or an pre-loaded location. Place name must be an exact match.</p>	
<p>STATUS – Reports the status of the unit and which reports are turned on for you. ST,X,Y,Z will send a STATUS report every X minutes or Y kilometer (on trip mode) and when parked will send STATUS report every Z minutes.</p>	<p>ST Tramigo: Status, GPS: 60%, GSM: 80%, battery: 100%, reports: Trip (15), Speed (100), Zone (2.0, 14 33'31"N, 120 59'30"E), 19:12 Nov 7</p>
<p>SETTINGS – Reports the status of all reporting for the unit and the number of user locations you have added. For each report the user number is shown.</p>	<p>SETTINGS Tramigo: Settings, Alarm:-, Find:-, Ignition:-, Power:1, Trip:1/3/4, Speed:-, Zone:1/2, user locations:2, Metric:on, 14:51 Nov 7</p>
<p>PASSWORD,oldPassword,newPassword – Changes the password for your T23 Fleet. The password can be 20 characters in length. Letters and numbers only and is not case sensitive.</p>	<p>PASSWORD,0000,GAVIN123 Tramigo: Password, changed to GAVIN123, 11:33 Jan 22</p>



Trouble Shooting

Problem 1: T23 Fleet is not responding.

Possible Causes: No power or unit is sleeping
Possible Solution: Check that the unit has power. The power light should be blinking every 5 seconds. Check that the battery is installed correctly. If the battery is low then connect the unit to a power source. If the unit is sleeping it will wake and respond to your SMS. Call the unit to see if you hear a ring tone see problem 3 if not see problem 2.

Problem 2: Unit is not responding and the GSM light is red.

Possible Causes: T23 Fleet is unable to acquire a GSM signal at current location, SIM not properly inserted; no SIM installed on the unit, SIM has PIN code set.
Possible Solution: Move the unit where there is a strong signal, Remove SIM and reinsert SIM to the unit, install a SIM to the unit, remove the SIM PIN code.

Problem 3: Unit is not responding and the GSM light is flashing.

Possible causes: SIM is out of credits if pre-paid account, or there is a temporary network problem, or the phone number of the user is incorrect.
Possible Solution: Check and make sure SIM has sufficient credits, wait for the network to recover, check the phone number of the users.

Problem 4: Unit reports old position or No GPS lock and GPS light is blue.

Possible causes: T23 Fleet is upside down, has no clear view of the sky, nearby trees, houses or buildings obstructing satellite signal, metallic tinting of the windshield.
Possible Solution: Move to a place where the T23 Fleet (light indicators facing up) has a clear view of the sky, ensure that tinting is non-metallic. To test the tint, move the unit outside the vehicle and see if GPS light goes off within a minute.

Problem 5: Unit reports unknown location.

Possible causes: The T23 Fleet Location Directory has not been loaded.
Possible Solution: Contact your dealer or Tramigo support to obtain the Location Directory for your region.

T23 Fleet Indicators

Power – [Green] flashes every 5 seconds when ON, [Steady Green] when charging, [Orange] flashes every 5 seconds when battery is too low, [Yellow] when charging and battery is still low, [OFF] when sleeping or when power is shut off
GSM – [OFF] means OK, [Steady RED] when no signal, [RED] flashes when there is a problem sending a SMS.
GPS – [OFF] means OK, [Blue] when no location can be determined.

T23 Fleet Sleep Mode

T23 Fleet has automated power management with 4 sleep modes to extend the battery life for portable users and prevent draining your car battery for installed users. When sleeping all the lights are turned off to save power.
Your T23 Fleet will sleep 1 hour after a trip or after 15 minutes of inactivity. T23 Fleet wakes up when a trip starts, or motion is detected.
1st Sleep Mode – Shuts off GPS, wakes each hour for 10 min for 6 hours
2nd Sleep Mode – Also shuts off GSM so you have to wait for the unit to wake up to answer your SMS. Lasts for 5 days
3rd Sleep Mode – Wakes up every day for 10 minutes. Lasts until the battery power is very low.
4th Sleep Mode – Will only wake up when connected to power.

If you still have problems contact your dealer or email support@tramigo.com for assistance.



Thank you for purchasing your Tramigo tracking device!

This guide will help you set up your T23 Fleet quickly and easily. If you have any questions contact your dealer or send an email to support@tramigo.com. On Skype search for **tramigosupport** to find online support staff. Check www.tramigo.com for support updates and new Tramigo accessories.

Installation Steps



Step 1. Plan

To start with T23 Fleet installation, you must first plan what type of installation you are about to produce. Below are the options and guides you should refer upon planning.

- Standard Vehicle Installation – refer to T23_Fleet_Installation_Guide.pdf
- Vehicle Installation with Immobilizer – refer to T23_Fleet_Immobilizer_Guide.pdf
- Installation with GPRS connection – refer to T23_Fleet_GPRS_Guide.pdf

Step 2. Setup

1. Insert the SIM card. You need a SIM card so you can communicate with your T23 Fleet.

Ensure that the SIM card is not protected by a PIN number – this can be done by inserting the SIM into a suitable mobile telephone and then following your mobile telephone instruction booklet to remove the PIN lock. Your SIM account must be setup to allow SMS (text) messaging. You can test the SIM in a hand phone to make sure it can send a SMS.

Inserting SIM Card



A. Unscrew back cover and open T23 Fleet.



B. Pull the SIM card holder lock up a bit, then push forward the SIM card to fit.

TIP: You can use a packaging tape over your SIM card before inserting it to make it easier to be pulled out in case you need to remove the SIM from the unit.



C. Put back the battery and gently push it downward to lock screw back cover tightly.

The Power light should flash every 5 seconds. The GSM light will be red for a minute and will turn off when connected to the GSM network. If the light remains red then check the troubleshooting section.

2. Charge your unit for 3 hours via USB. Use the T23 Fleet USB cable to connect the unit to PC or USB charger then press the power button (middle button) for 2 seconds. Charging on low battery state will turn power light on solid yellow then will turn to solid green when enough charge was gained. When fully charged, the green light will change from solid green to blinking green. If the unit has been in storage it may take 15 minutes for the power light to turn on.

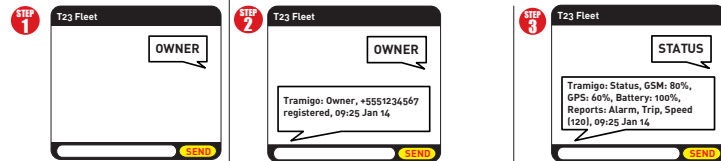
3. Get GPS lock. Take the unit outside leave the T23 Fleet there for a couple of minutes and check the BLUE GPS light – it will turn off when your T23 Fleet knows its location. If the light remains BLUE then check the troubleshooting section.



You can also use the optional external GPS antenna to improve the signal quality.

Step 3. Connect

After T23 Fleet has been initially set up, check the full functionality of your T23 Fleet. You communicate with your T23 Fleet using normal text messages sent to the phone number of the SIM installed in your T23 Fleet. Follow these steps:



Note: Sending OWNER is the same with OWNER,0000 from previous registrations.

This means that you are now the registered Owner of your T23 Fleet and it will accept any commands that you send to it from your phone.

Send Status command to check GSM and GPS signal qualities. If GPS below 50% in open area, the external GPS antenna is recommended.

Your Tramigo comes with PC and smartphone softwares that make managing your T23 Fleet units even easier. Visit www.tramigo.com to download the latest versions and find out more about M1 Fleet PC softwares and M1 Move Smartphone softwares.

Step 4. Track

Now your T23 Fleet is ready to use. From your mobile phone try sending the FIND command to your unit – just send a SMS with the text F in the message – upper or lower case. Turn on trip and power reporting by sending two SMSs, TRIP,ON and POWER,ON or shortly combined in one message T>P to the unit. Your T23 Fleet will respond with a text message confirming the reporting is turned on.

To allow your friends to find you add their phone numbers using the ADDUSER command. Send AU,phoneNumber;Friend to add a friend's mobile number.

Try some of the commands in the summary on the next page and connect with your vehicle!

More reference guides:

- Complete info with list of commands and parameters – refer to T23_Fleet_User_Manual.pdf
- Complete lists of commands only – refer to T23_Fleet_Commands.pdf
- Info for latest features of T23 Fleet – refer to T23_Fleet_Features.pdf

T23 Fleet Basic Commands

This is a list of the most common commands that you will use.

For a full list see the T23_Fleet_User_Manual.pdf located on your Tramigo CD.

Send ?, H or Help to see a list of the most common commands. Upper or lower case can be used in the commands. Most commands also have a short form to save typing. For reports you can just use one letter to turn the report on or off: Example sending an SMS with A will turn on alarm reporting if its currently turned off.

SMS Command Example Command/Report (Short form use)

LOCATION REPORTING

FIND – Shows the location of your car. You can also send a blank SMS message
FIND,NEAR shows the 3 nearest locations

FIND,time turns on periodic reporting. You will receive a FIND report every x minutes specified between 1 and 1440 minutes or daily or weekly

FIND,distance turns on periodic reporting. You will receive a FIND report every x km specified between 0.5 and 1000

FIND,off turns off periodic reporting.

F / F,NEAR / F,DAILY / F,WEEKLY / F,10 / F,,50 / F,OFF
F,DAILY will send a FIND report once per day
F,1,10,15 will send a FIND report every 1min or 10km (on trip mode) and when parked will send FIND report every 15mins

Tramigo: Parked, 19595.7 km NW of Plaza Monumental de Toros Tijuana, Tijuana, Baja California, MX, old position, 20:38 Nov 5
 Unit will show as parked until a trip has started. The text **old position** means that the unit has not had an updated position in over 3 minutes

TRIP,ON – Sends a trip report when your car starts a trip and after the car has been stopped for 15 minutes.

TRIP,NOW – Will report a trip in progress or the last Trip report if the unit is parked.

TRIP,OFF – Turns off trip reporting

SET,TRIPSTART,0 – turns off trip start reporting

T,ON
 T,ON with no parameters the command will toggle the report off or on.
T,NOW Will report the trip in progress or the last trip report
T,OFF Turns trip reporting off

Tramigo: trip report, start 0.19 km S of Hagalundintie, end 0.02 km N of Tramigo Office, trip time 0:27, distance 1.61 km, max speed 33 km/h, avg speed 3.5 km/h, idle time 0:07, 11:44 Nov 6

ZONE,distance/on/off,placeName – Will send a report when the car entering or leaving an area defined by a circle with a radius defined by the distance from the place name. Distance can be 0.1 km to 999. You can use partial place names and the system will select the closest one that matches
ZONE,OFF – Turns off reporting

Z,1
Z,3,Home

Tramigo: Zone crossing detected, moving, 0.11 km NE of Berjaya Times Square,Kuala Lumpur,KL,MY, SW with speed 33 km/h, 09:25 Apr 19

SAFETY AND SECURITY REPORTING

ALARM,ON – Reports when there is movement of the unit or the vehicle moves 100m. Alarm Reporting is shut off after each report, the user must turn the alarm on again to reactivate.
ALARM,OFF – Turns off the monitor.

A,ON / A,OFF

Tramigo: Motion alarm detected, parked, 0.23 km NE of West Coast Ferry Terminal, Clementi, SG, 17:07 Sep 15

POWER,ON – Will tell you when your T23 Fleet battery is below 20%.
POWER,OFF – Turns off the monitor.

P,ON
Tramigo: low power, parked, 0.34 km S of Harrison Plaza, Manila, NCR, RP 13:13 Oct 17

VEHICLEIDLE,time,radius – Turns VehicleIdle reporting on or off

VEHICLEIDLE,time,radius – Sends idle report for a given interval within a given distance radius after Ignition was started.

VehicleIdle,ON/OFF/interval,distance radius
 When vehicle idle is detected:
Tramigo: Vehicle in idle state, parked, at Bangkok City Hall, Phranakhon, Bangkok, TH, 15:47 May 29