

## Tramigo T23 Series Commands

### General Information:

For firmware versions P1.09 and 1.09

Applies for Tramigo T23, T23 Fleet and T23 Track. **Note:** T23 and T23 Track are not supporting Analog input or 1-Wire interface. Audio features are not available with T23 Track. Please refer to *T23 Series User Manual 1.09* for more details.

Commands are not case sensitive and common commands have a short form to save typing. For example to find your T23 Series device, you can send find F or f. For every command which has parameters ON / OFF in the Info field, the first sent short form command activates and second one deactivates the function. T23 Series will only accept commands from a user with the correct authority. For mobile phones, you can download M1 Move from [m.tramigo.com](http://m.tramigo.com) for easy menu driven interface

REMEMBER TO SEPARATE COMMANDS AND PARAMETERS WITH A COMMA. Forward slash indicates command parameter options.

Command	Quick Command	Info / Example	Security	Notes
HELP	H / ?	One time	Guest	Provides information on how to use a command.
<b>LOCATION:</b>				
FIND	F (or empty SMS)	One time	Guest	Returns the state and location.
FIND_near	F,NEAR	One time	Guest	Returns the next 3 nearest places.
FIND_near,4	F,NEAR,4	5 (MAX)	Guest	Returns the next 4 nearest places. (maximum of 5)
FIND,X,Y,Z,A	F,X	X = 1-1440 (minutes) X = min; Y = km; Z = min; A = Angle FIND,OFF	Guest	Returns the location in every X minutes. Returns the location every X minutes and Y kilometers when on trip, Z minutes when parked and if heading is changing more than A degrees when on trip.
FIND_daily	F, DAILY	FIND,DAILY,OFF	Guest	Returns the location once per day
FIND_weekly	F,WEEKLY	FIND,WEEKLY,OFF	Guest	Returns the location once per week.
FIND,,X	F,,X	X = 1-10000 (KILOMETER) /F,,OFF	Guest	Returns the location every X kilometers traveled. Note two commas.
TRIP	T	,ON / ,OFF	Friend	Turns on automatic trip reporting.
TRIP_now	T,NOW	One time	Friend	Reports trip in progress or previous trip if parked
The trip start is determined when the speed is 3 km/h and the unit has moved more than 300m. When ignition detection is installed, trips start is determined when ignition is detected and the speed is over 6km/h and the unit has moved over than 300m. T23 Series may give false trip report when moving near windows. This is because the GPS signal may be reflected from with glass surfaces. A trip report is sent when the vehicle is idle longer than 15 minutes.				
<b>SECURITY:</b>				
ALARM	A	,ON / ,OFF	Friend	Alarm reporting is shut off after 1 report. The user must turn on Alarm reporting to reactivate
ZONE	Z	,ON / ,OFF	Friend	Sets a 1km radius zone from current location or turns ZONE reports off.
ZONE,X	Z,X	X = 0.1-999 (kilometer) / Z,OFF	Friend	Sets an X km radius zone from the current location.
ZONE,X,Y	Z,X,Y	Y = placeName/ Z,OFF	Friend	A circle with X place in the middle and Y the radius in kilometers. Ex: Z,7.5.HOME. The user can enter a partial string for the placeName. If a unique name is not found then the system will select the closest placeName. Lookup is only done on the first name field of the location. <u>Place name can be set with AddPlace -command.</u>
ZONE_userLocations,X	Z_userLocations,X	X = IN / OUT / BOTH / OFF	Friend	Alarm report when vehicle is reaching and/or leaving the user added locations.
Personal Assistance		Press T23 Series panic button	Owner	Button must be pressed for 2 or more seconds to activate. All lights on the T23 Series turn on when the button is pressed. All Users with Friend authority can also receive the report with the SET,SOSReportToFriend,1 command.
LISTEN	L	One time, phoneNumber (optional)	Friend	Requires separately sold microphones. Command initiates an outgoing call to the user. The user can then answer the call and listen to the vicinity of the T23 Series unit. The T23 Series unit gives no indication that the call is in progress
SPEED	S	,ON / ,OFF	Friend	Turn on and off speed reporting for the user. Default speed is 120 km/h. Once a speed limit is exceeded and a report is sent, it will only be resent after the speed has decreased by 50 km/h or more.
SPEED,X	S,X	X = 50-200 (km/h)	Friend	Define the speed limit.
SPEEDTRIGGER,X,Y	S,X	X = speedLimit Y = output1 / output2 / output3	Owner	When speed limit is reached, chosen output port is activated.
POWER	P	,ON / ,OFF	Friend	Power reporting will notify the user when the battery's capacity is below 20%.
DISABLE		,ON / ,OFF	Owner	Ignition detection must be connected. When disabling, if the ignition is currently on then the command will not take effect for 45 seconds after the ignition is turned off and the user should be notified after the delay. If the ignition is off the command is executed immediately. Ask more information from authorized Tramigo reseller.
IDLEALARM	IA	,ON / ,OFF ,time,radius	Owner	Sends idle report after a given time if given radius is not crossed when ignition is on.
IGNITION	I	,ON / ,OFF	Friend	Turns ignition reporting on and off for the user.
LOWBALANCE,+X	LB,+X / LB,OFF	+X = Phone number that the GSM operator sends low balance notification from	Owner	Any SMS coming from the specified phone number will be sent to all users with Owner authority. Used when your GSM operator offers a low balance notification service via SMS. <b>DO NOT ENTER YOUR PHONE NUMBER</b> - enter the number that low balance messages come from. The number only has to be set the first time. System wide command.
SENSOR		,ON / ,OFF	Friend	Turn on and off Sensor reporting.
SMS,X,Y		X = phone number, Y = text message	Owner	T23 Series sends defined message to the defined number.

## Tramigo T23 Series Commands

For firmware versions P1.09 and 1.09

SETTINGS:				
Command	Quick Command	Info / Example	Security	Notes
OWNER,0000			Owner	When taking the T23 Series in use, you can send message from any mobile. After first use, the number is registered.
OWNER,X		X = password	Owner	Default password is 0000, please change it in the first place. The password can be 20 characters in length. Letters and numbers only. Not case sensitive.
PASSWORD,X,Y		X = oldPassword, Y = newPassword	Owner	Changes the system password. If you have forgot your password, lookup RESETSETTINGS in systems settings
NAME,X	N,X	X = unitName	Owner	Maximum length is 15 characters, extra characters are automatically truncated. unitName is used on all locations and Command Response message formats.
ADDUSER,+X,security	AU,+X,security	Phone number in international format. Security is OWNER, FRIEND or GUEST	Owner	Be careful adding other users with OWNER authority, they have access to all commands and can even delete you from the list.
REPORT,userNumber,reportName,on/off	R	R,3,T,ON 3 = User (1-10), T = Report's name, TRIP for example	Owner	Set the wanted report on for the user. Look first the users number with the command LU. For example Setting on the trip reports for the user 3: Report,3,trip,on. You can set following reports on: ALARM, IGNITION, POWER, SPEED, TRIP, ZONE, IDLEALARM, FIND and STATUS
LISTUSER	LU		Owner	Shows summary of users. Max 10 users per T23 Series.
LISTUSER,X	LU,X	X = User's number.	Owner	List the full details for a specific user. Use LU,ALL to list the full phone numbers and reporting for all users.
DELUSER,X	DU,X	X = User's number. Look with the command LU.	Owner	Deletes the user X
ADDPLACE,X	AP,X	X = placeName to be added	Friend	Adds a place to the user location directory. You can add 1000 own places. Landmark's name contains of 40 characters maximum, no commas. The name ALL is reserved. The name of the place should be unique.
ADDPLACE,X,LAT,LON,Y	AP,X,LAT,LON,Y	X = placeName LAT,LON = Coordinates Y = ZONE radius, used with ZONE,userLocations command.	Friend	You are able to add places when you know their coordinates regardless where T23 Series is. You can watch the coordinates for Example from the Google Earth. For Example: AP,Viiipuri, 60.70537,28.77552 NOTE! Set decimals only with the accuracy of five numbers.
DELPLACE	DP,X	X = placeName to be deleted	Friend	Must be valid place name. Parameter ALL can be used to delete all the entries in the user location directory. if there are multiple records with the same placeName, then the system deletes the closest place to the current position.
LISTPLACES	LP,X	X = forced		Gather custom Landmarks from the device via Tramigo manager or over GPRS connection and share them with other T23 Series devices.
COORD		,ON / ,OFF	Friend	Sets on and off coordinates display.
COORD,X		X = DEC / DMS	Friend	T23 Series shows decimal or Degrees-Minutes-Seconds coordinates.
COORD,1		1 = openstreetmaps	Owner	Connects to openstreetmap.
COORD,2		2 = openstreetmaps (static)	Owner	Connects to openstreetmap (static).
COORD,3		3 = googlemaps	Owner	Connects to googlemaps.
LANGUAGE,X		X = languageNumber / languageName / ALL / ON / OFF ALL = list of available languages loaded into unit	Owner	Unit can have an alternate languages loaded. Version command shows which language file (LF) is loaded. Select language using language name or number seen with command parameter ALL. Contact Tramigo Support for alternative languages.
TIME,X		X = GMT +/-12h e.g TIME,-3 or TIME,8	Friend	Adjusts the time stamp in the messages to local time. Used when GSM operator time is not correct.
SETTINGS		One time	Friend	Display the unit settings.
SPEEDDIAL 1+X	SD,1,+X	+X = Mobile number with the country code	Owner	Up to 3 predefined numbers. SP,2,+X sets second and SP,3,+X third.
STATUS,X,Y,Z,A	ST,X	X = 1-1440 (minutes) Y = min; Y = km; Z = min; A = Angle STATUS,OFF	Guest	Returns the status in every X minutes. Returns the status every X minutes and Y kilometers when on trip, Z minutes when parked and if heading is changing more than A degrees when on trip.
VERSION	V	One time	Friend	Displays version information of the unit.
METRIC		,ON / ,OFF	Friend	METRIC,ON = Kilometers, METRIC,OFF = Miles.
BOOT		,OFF / ,hours hours = interval hours of periodic reboot	Friend	Restarts the Tramigo application code in the unit. The GSM modem and GPS receiver are reset.
SET,SLEEP,X		X = 0/1 SET, SLEEP,0 sleep off SET,SLEEP,1 sleep on	Owner	Default: On. Sets sleep mode off and on. The sleep mode makes the battery life longer, but when T23 Series is in sleep, it does not send the messages immediately. The sleep mode is recommended to turn off only if needed and the T23 Series is connected to power of a vehicle. Vehicle's battery levels are not affected in the normal use.
DEBUG		,ON / ,OFF	Owner	Sets on and off debug output to the USB port
SET,X,Y		X = parameter id Y = value	Owner	Sets a parameter with a value.
GET,X		X = parameter id	Owner	Reports the setting of a parameter.
SYSTEMSTATUS	SS	,ALL = show all System Status information available	Owner	Displays the unit system statistics like GPRS data, GSM connection, Temperature, and travel time.
INSTALL		One time	Owner	Configures the unit's inputs and outputs depending on accessories connected, like SOS button, Ignition, Immobilizer and/or Powercut. Reset and update accelerometer initial values. GSM, GPS or external GPS antenna status.
UNINSTALL				UNINSTALL removes the settings.

More Information: Contact Tramigo Support

Email at [support@tramigo.com](mailto:support@tramigo.com)

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For firmware versions P1.09 and 1.09

### T23 FLEET SPECIFIC COMMANDS:

Command	Quick Command	Info / Example	Security	Notes
LISTONEWIRE		One time	Owner	List all 1-Wire sensors and accessories connected to T23 Fleet device.
DRIVER,ADD,X,Y		X = Unique ID number Y = Driver name	Owner	Add the key ID number and driver name to T23 Fleet memory. Key ID number can be obtained for example with LISTONEWIRE.
DRIVER,DEL,X		X = Unique ID number or Driver name. ALL deletes all drivers	Owner	Delete certain driver or all drivers from T23 Fleet memory.
DRIVER,LIST		One time	Owner	List all drivers added to T23 Fleet memory.
DRIVER		One time	Owner	Read the connected Driver ID key number and/or name.
TEMPSENSOR,ADD,X,Y		X = Unique sensor number Y = Sensor name	Owner	Add the temperature sensor number and name to T23 Fleet memory. Temperature sensor number can be obtained for example with LISTONEWIRE.
TEMPSENSOR,DEL,X		X = Unique sensor number or sensor name ALL deletes all sensors	Owner	Delete certain temperature sensor or all temperature sensors from T23 Fleet memory.
TEMPSENSOR,LIST		One time	Owner	List all temperature sensors added to T23 Fleet memory.
TEMPSENSOR		One time	Owner	Read the all connected temperature sensors current temperature, sensor number and/or name.
READANALOG		One time	Owner	Reads the current voltage present on Analog input.
ANALOG,UNIT,X		X = Unit of the measured value	Owner	Unit is any literal maximum of 10 characters. For example Liters, Kg, Gallons, Parsek etc.

Please refer to *T23 Series User Manual 1.09* and *T23 Fleet Accessory Installation Manual* for more details.