

## LOGIN DATA STRING

Field #	Name	Value	Description	# Bytes
1.	\$		Starting Character of String	1
2.	Vehicle No	DL3CBZ7721	Vehicle registration no	10
3.	IMEI Number		Unique code for unit identification	15
4.	Firmware Version	1.0.0	Tracker firmware version	5
5.	Protocol Version	1.0	Tracker protocol version	3
6.	Current Date	Ddmmyyyy	From GPS RMC packet	8
7.	Current Time	Hhmmss	GMT Time	6
8.	GPS Fix	'A' or 'V'	'A' = GPS Fixed 'V' =GPS Not Fixed	1
9.	Latitude	28.758812	Converted In degree and minutes	9
10.	Latitude Direction	'N' or 'S'	'N' = North 'S' = South	1
11.	Longitude	77.712408	Converted In degree and minutes	9
12.	Longitude Direction	'E' or 'W'	'E' = East 'W' = West	1
13.	Altitude	183.5	From NMEA packet	5
14.	Speed	Floating-Point (XXX.Y)	Speed over ground in km	5
15.	End character	*	Denotes end of message	1
16.	Checksum	A1	Insures no error in transmission	2
17.	Delimiter	,	All fields are delimited by a comma	12
			<b>Max Bytes Per Message</b>	94

## GENERAL DATA STRING

Field #	Name	Value	Description	# Bytes
1.	\$		Starting Character of String	1
2.	Packet Header	ID01	The header of the packet/identifier	4
3.	Vendor ID	SAT	Unique vendor specific Id	3
4.	Firmware Version	1.0.0	Tracker firmware version	5
5.	Packet Type	2-byte Data as per data type	NR = Normal EA = Emergency Alert TA = Tamper Alert HP = Health Packet IN = Ignition On IF = Ignition Off BD = Vehicle battery disconnect BR = Vehicle battery reconnect BC = Internal battery charged again BL = Internal battery low HB = Harsh braking HA = Harsh acceleration RT = Rash turn PC = Parameter Change	2
6.	Alert ID	0 to 15	1 = Location update 2 = Location update (history) 3 = Alert – Disconnect from main battery 4 = Alert – Low battery 5 = Alert – Internal battery charged again 6 = Alert – Connected to main battery 7 = Alert – Ignition ON 8 = Alert – Ignition OFF 9 = Alert – Box opened (optional) 10 = Alert – Emergency state ON 11 = Alert – Emergency state OFF 12 = Alert – Over the air parameter change	2

			13 = Alert - Harsh braking 14 = Alert - Harsh Acceleration 15 = Alert - Rash Turning 16 = Alert - Device Tampered	
7.	Packet status	'L' or 'H'	Live (L) data or History (H) Data	1
8.	IMEI Number		Unique code for unit identification	15
9.	Vehicle No	DL3CBZ1122	Vehicle registration no	10
10.	GPS Fix	'1' or '0'	'1' = GPS Fixed '0' =GPS Not Fixed	1
11.	Current Date	DdmmYYYY	From GPS RMC packet	8
12.	Current Time	Hhmmss	UTC Time	6
13.	Latitude	28.758812	Converted In degree and minutes	9
14.	Latitude Direction	'N' or 'S'	'N' = North 'S' = South	1
15.	Longitude	77.712408	Converted In degree and minutes	9
16.	Longitude Direction	'E' or 'W'	'E' = East 'W' = West	1
17.	Speed	Floating-Point (XXX.Y)	Speed over ground in km	5
18.	Head Degree	310.56	From RMC	6
19.	Number of Satellites	0 – 24	From GGA packet	2
20.	Altitude	183.5	From NMEA packet	5
21.	PDOP	1.8	Positional dilution of precision	3
22.	HDOP	1.0	Horizontal dilution of precision	3
23.	Network Operator Name	Airtel	Name of network operator	12
24.	Ignition Status	0/1	0 = Ignition OFF 1 = Ignition ON	
25.	Mains Power Status	0/1	0 = Mains Disconnected 1 = Mains Connected	1
26.	Mains Input Voltage	12.1	Vehicle battery voltage in volts.	4
27.	Internal Battery Voltage	4.0	Internal Li-ion Battery voltage in volts.	3
28.	SOS status (Emergency)	0/1	0 = SOS OFF 1= SOS ON	1

29.	GSM Signal Strength	0 – 31	In dBm	3
30.	MCC	404	Mobile country code	3
31.	MNC	10	Mobile network code	2
32.	LAC	00D6	Location area code	4
33.	Cell ID	CFBD	GSM Cell ID	4
34.	NMR	Network measurement report	Neighboring 4 cell ID along with their LAC and signal strength	32
35.	Digital Inputs (1 to 4)	0001	4 external inputs (1 – ON, 0 – OFF) IN1 – AC IN2 – extra (tamper) IN3 – extra (RF I/O) IN4 – extra (RF I/O)	1
36.	Digital Output Status	01	2 external digital output status(0 – ON, 1 – OFF)	1
37.	Analog1	3.1	In Volts	5
38.	Analog2	12.4	In Volts	5
39.	Frame No	000001	Sequence number of message (000001 to 999999)	6
40.	Checksum	A1	Insures no error in transmission	2
41.	End of Message	'*'	Denotes end of message	1
			<b>Max Bytes Per Message</b>	242

## HEALTH DATA STRING

Field #	Name	Value	Description	# Bytes
1.	\$		Starting Character of String	1
2.	Header	HP	The header of the packet/identifier	2
3.	Vendor ID	GOD	Unique vendor specific Id	3
4.	Firmware Version	1.0.0	Tracker firmware version	5
5.	IMEI Number		Unique code for unit identification	15
6.	Current Date	DdmmYYYY	From GPS RMC packet	8
7.	Current Time	Hhmmss	GMT Time	6
8.	Battery percentage	65	Indicates internal battery charge percentage	2
9.	Low battery threshold value	10	Indicates value on which low battery alert generated in percentage	2
10.	Memory percentage	41	Indicates flash memory percentage used	2
11.	Ignition Data interval	10	Packet sending frequency in seconds (when Ignition ON)	4
12.	Normal Data interval	60	Packet sending frequency in seconds (when Ignition OFF)	4
13.	Digital I/O status	1111	Indicates inputs connected to device.	4
14.	Analog I/O status	10	Analog input status	2
15.	End character	*	Denotes end of message	1
16.	Delimiter	,	All fields are delimited by a comma	12
			<b>Max Bytes Per Message</b>	73

## EMERGENCY ALERT DATA STRING

### (VLT TO CONTROL CENTER)

Field #	Name	Value	Description	# Bytes
1.	\$		Starting Character of String	1
2.	Header	EPB	The header of the packet/identifier	3
3.	Message Type	EMR	Emergency Message	3
4.	IMEI Number		Unique code for unit identification	15
5.	Packet status	'NM' or 'SP'	NM – normal packet, SP – stored packet	2
6.	Current Date and Current time	Ddmmyyyhhmmss(UTC Format)	From GPS RMC packet	8
7.	GPS Fix	'A' or 'V'	'A' = GPS Fixed 'V' =GPS Not Fixed	1
8.	Latitude	28.758812	Converted In degree and minutes	9
9.	Latitude Direction	'N' or 'S'	'N' = North 'S' = South	1
10.	Longitude	77.712408	Converted In degree and minutes	9
11.	Longitude Direction	'E' or 'W'	'E' = East 'W' = West	1
12.	Altitude	183.5	From NMEA packet	5
13.	Speed	Floating-Point (XXX.Y)	Speed over ground in km	5
14.	Distance	0.12	Distance calculated from previous GPS data	6
15.	Provider	'G' or 'N'	G – fine GPS, N – coarse GPS or data from network	1
16.	Vehicle No	DL3CBZ7721	Vehicle registration no	10
17.	EMG Reply no	0	Emergency no as specified by MHA/MoRTH/States	1
18.	End character	*	Denotes end of message	1
19.	Checksum	A1	Insures no error in transmission	2
20.	Delimiter	,	All fields are delimited by a comma	16
			<b>Max Bytes Per Message</b>	106

## OVER THE AIR PARAMETER CHANGE

### ALERT DATA STRING

Field #	Name	Value	Description	# Bytes
1.	\$		Starting Character of String	1
2.	Packet Type	PC	PC = Parameter Change	1
1.	Alert ID	12	Alert ID	2
2.	IMEI Number		Unique code for unit identification	15
3.	Mode	'0' or '1'	0 – Command via SMS 1 – Command via Server	1
4.	Mobile no / IP	string	mobile no/ IP of control center sending commands	15
5.	Current Date	ddmmyyyy	From GPS RMC packet	8
6.	Current Time	hhmmss	GMT Time	6
7.	Parameter Change	string	string specify which parameter has changed.	20
8.	End character	*	Denotes end of message	1
9.	Delimiter	,	All fields are delimited by a comma	6
			<b>Max Bytes Per Message</b>	73

## SMS COMMANDS

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### COMMAND TO CHANGE IP ADDRESS 1 and PORT NO 1

**Cmd:** SETIP1<ip address>\*SETPORT1<port No>

**Example1:**

SETIP1 192.168.2.1\*SETPORT1 9091

**OK Response:**

Following Parameters Changed:

IP1 :192.168.2.1

PORT1 :9091

**Not OK:** Invalid Input.

---

### COMMAND TO CHANGE IP ADDRESS 2 and PORT NO 2

**Cmd:** SETIP2<ip address>\*SETPORT2<port No>

**Example1:**

SETIP2 192.168.2.1\*SETPORT2 9091

**OK Response:**

Following Parameters Changed:

IP2 :192.168.2.1

PORT2 :9091

**Not OK:** Invalid Input.



---

### SETAPN OF NETWORK PROVIDER

**Cmd:** SETAPN <apn>

**Example:** SETAPN airtelgprs.com

**OK Response:** Apn changed to airtelgprs.com

**Not OK:** Invalid Input.

---

### SETAUTO APN FLAG

**Cmd:** SETAUTOAPN <ON/OFF>

Device will set apn automatically as per network provider (On by default)

**Example:** SETAUTOAPN ON

**OK Response:** Auto APN is ON now.

**Not OK:** Invalid Input.

---

### SETEMERGENCY PHONE NO

**Cmd:** SETEMERGENCYNO<no>

**Example:** SETEMERGENCYNO 9911074766

**OK Response:** Emergency smscentre number changed to 9911074766.

**Not OK:** Invalid Input.

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## COMMAND TO CHANGE DATA SENDING INTERVALS

**Cmd: SETREPORT\*10\*60\*120\*300\*10**

**Note:**

1. Intervals in seconds.
2. You can set minimum 5 second interval.

**ACTIVE MODE** – When Ignition is ON. (Default 10 seconds).

**NORMAL MODE** – When Ignition is OFF. (Default 60 seconds).

**STANDBY MODE** – When Main power is disconnected and device starts working on internal battery. (Default 2 minutes)

**HEALTH INTERVAL** –Device health packet sending interval. (Default 5 minutes)

**EMERGENCY INTERVAL** –When SOS button pressed. (Default 10 seconds)

**Example1: SETREPORT\*10\*20\*30\* \*5**

**OK Response:**

Following Parameters Changed:

Active : 10

Normal : 20

Standby : 30

Emergency : 5

**Not OK: Interval Should Not Be Less Than 5.**

---

## GET ALL PARAMETERS

**Cmd:** GETSTATS

**OK Response:**

Device Parameters  
DeviceID :<IMEI NO>  
Vehicle No: <Vehicle No>  
IP1 :aaa.bbb.ccc  
PORT1 :aaaaa  
IP2 :aaa.bbb.ccc  
PORT2 :aaaaa  
APN :aaaa  
Auto APN: 1  
User :aaaa  
Password :aaaa  
Angle Detect OFF  
Ignition : aa  
Normal : bb  
Sleep Time : cc  
Health: dd  
Emergency: ee  
GSM: <signal strength>  
GPSFix: <A-GPS Fixed or V – GPS Invalid>  
Sat: <No of satellite>  
MainPower: <1- Power connected or 0 -  
Power disconnected>  
Bat: <Li-ion Battery Voltage>  
State: <A-Active Mode or N-Normal Mode or  
S-Standby mode>  
Tamper: <1-Body cover opened or 0-Body  
cover closed.  
GPRS: <GPRS status>  
Flash Rec: <No of Flash records>  
RTC OK or RTC Fail

**Not OK:** Invalid Input.

---

### CLEAR FLASH DATA

Cmd: CLRMEMORY

OK Response: Flash Clear Successfully 😊

Not OK: Invalid Input.

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### SETVEHICLE NO

Cmd: SETVEHICLENO <vehicle no>

Example: SETVEHICLENO DL1S01122

OK Response: Vehicle No added successfully.

Not OK: Invalid Input.

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### DEVICE RESET

Cmd: DEVRESET

OK Response: Device Reset successfully.

Not OK: Invalid Input.

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## GET LOCATION INFORMATION

Cmd: TRACK

OK Response:  
Device ID= <IMEI>,  
Vehicle No: <Vehicle No>  
GPSFix= <1/0>,  
Sat= <No of Satellite>,  
Date= <ddmmyy>,  
Time= <hhmmss>,  
Lat= <floating-point RMC value>,  
Long= <floating-point RMC value>,  
Speed= <in km>,  
GSM= <signal strength>,  
Bat= <battery voltage>.

Not OK: Invalid Input.

Example: TRACK

OK Response:  
DEVICE ID= 86712345672211  
GPSFix= 1  
Sat= 8  
Date= 300913  
Time= 110325  
Lat= 28.764111  
Long= 77.052556  
Speed= 25.7  
GSM= 24  
Bat= 3.9

Not OK: Invalid Input.

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### GET THE MAP LINK

Cmd: GOOGLE

OK Response:

Not OK: Invalid Input.

Tracking Alert

Vehicle No: DL3CBZ4422

DateTime: <ddmmyy,hhmmss>

GPS: Valid / Invalid

Power: ON / OFF

IGN: ON / OFF

Speed: 30kmph

<http://<device location google maplink>>

---

### GET INPUT AND OUTPUT STATUS

Cmd: PORT

OK Response: 1-ON, 0-OFF

Not OK: Invalid Input.

IGNITION=<1/0>,

DIN1=<digital Input1>,

DIN2=<digital Input2>,

DOUT1=<Digital Output1>

DOUT2=<Digital Output2>

---

### OPERATE DIGITAL OUTPUT RELAY

**Cmd:** STARTELEC1  
STOPELEC1  
STARTELEC2  
STOPELEC2

**Note:**  
STARTELEC1= Turn ON relay.  
STOPELEC1= Turn OFF relay.

**OK Response:**  
STOP1 OFF Successfully 😊  
STOP1 ON Successfully 😊

---

### ANGLE DETECTION FEATURE

**Cmd:** STARTANGLE <Degree>  
Ex1: STARTANGLE 30  
Ex2: STOPANGLE

**OK Response:**  
Angle detection starts with degree 30.  
Angle detection stopped.

**Not OK:** Invalid Input.

---

### GET H/W AND S/W VERSION

**Cmd:** GETVERSION

**OK Response:**  
Firmware Versions  
Tracker version: aaa  
Gsm version:bbb  
Gps version:ccc

**Not OK:** Invalid Input.

---

**SETEMERGENCY BUTTON PRESS  
DURATION**

**Cmd:** SETEMGKEYDURATION<in seconds>

**Example:** SETEMGKEYDURATION3

**OK Response:** Emergency button press hold duration changed to: 3 seconds

**Not OK:** Invalid Input.

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---

**SETSOS AUTORESET FUNCTION**

**Cmd:** SETSOSAUTORESET <0/1 ><interval>

Where interval is in seconds.

**Example:**  
SETSOSAUTORESET 0  
SETSOSAUTORESET 1 600

**OK Response:**  
SOS Auto Reset OFF  
SOS Auto Reset ON with 600 seconds

**Not OK:** Invalid Input.

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---

**SET HARSH ACCELERATION  
PARAMETERS**

**Cmd:** SETHARSHACC<mg>,<duration>

Mg – Milli G-force  
Duration – In Seconds

**Example:** SETHARSHACC30,4

**OK Response:** Harsh acceleration enabled with 30mg and 4 seconds

**Not OK:** Invalid Input.

---



---

### GET HARSH ACCELERATION DETAILS

Cmd: GETHARSHACC

Mg – Milli G-force  
Duration – In Seconds

Example: GETHARSHACC

OK Response: Harsh acceleration: 30mg and 4 seconds

Not OK: Invalid Input.

---

### SET HARSH BRAKING PARAMETERS

Cmd: SETHARSHBRAKE<mg>,<duration>

Mg – Milli G-force  
Duration – In Seconds

Example: SETHARSHBRAKE 30, 4

OK Response: Harsh braking enabled with 30mg and 4 seconds

Not OK: Invalid Input.

---

### GET HARSH BRAKING DETAILS

Cmd: GETHARSHBRAKE

Mg – Milli G-force  
Duration – In Seconds

Example: GETHARSHBRAKE

OK Response: Harsh braking: 30mg and 4 seconds

Not OK: Invalid Input.

---

### SET RASH TURNING PARAMETERS

Cmd: SETRASHTURN<mg>,<Angle>

Mg – Milli G-force  
Angle - In degree

Example: SETRASHTURN 30,85

OK Response: Rash turning enabled with 30mg  
and 85 degree

Not OK: Invalid Input.

---

### GET RASH TURNING DETAILS

Cmd: GETRASHTURN

Mg – Milli G-force  
Angle – In degree

Example: GETRASHTURN

OK Response: Rash Turning: 30mg and degree

Not OK: Invalid Input.

---

### SET SLEEP TIME THS

Cmd: SETSLEEPTIMETHS <time>

Time - seconds

Example: SETSLEEPTIME 60

OK Response: SETSLEEPTIMETHS,60

Not OK: Invalid Input.

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---

### GET SLEEP TIME THS

**Cmd:** GETSLEEPTIMETHS

Time - seconds

**Example:** SETSLEEPTIME

**OK Response:** GETSLEEPTIMETHS,60

**Not OK:** Invalid Input.

---

### SET OVER SPEED THS

**Cmd:** SETOVERSPEEDTHS <speed>

speed – km/h

**Example:** SETOVERSPEEDTHS 60

**OK Response:** SETOVERSPEEDTHS,60

**Not OK:** Invalid Input.

---

### GET OVER SPEED THS

**Cmd:** GETOVERSPEEDTHS

speed – km/h

**Example:** GETOVERSPEEDTHS 60

**OK Response:** GETOVERSPEEDTHS,60

**Not OK:** Invalid Input.

---

# OVER THE AIR COMMANDS

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## COMMAND TO CHANGE IP ADDRESS 1 and PORT NO 1

**Cmd:** ^SETIP1<ip address>\*SETPORT1<port No>#

**Example1:**

^SETIP1 192.168.2.1\*SETPORT1 9091#

**OK Response:**

ServerCMD,IMEI,IP1 192.168.2.1,PORT1 9091

**Not OK:** ServerCMD,IMEI,0

---

## COMMAND TO GET IP ADDRESS 1 and PORT NO 1

**Cmd:** ^GETIP1PORT1#

**Example1:** ^GETIP1PORT1#

**OK Response:**

ServerCMD,IMEI,IP1-192.168.2.1,PORT1-9091

**Not OK:** ServerCMD,IMEI,0

---

**COMMAND TO CHANGE IP ADDRESS 2  
and PORT NO 2**

**Cmd:** ^SETIP2<ip address>\*SETPORT2<port No>#

**Example1:**

**OK Response:**

ServerCMD,IMEI,IP2 192.168.2.1,PORT2 9091

**Not OK:** ServerCMD,IMEI,0

^SETIP2 192.168.2.1\*SETPORT2 9091#

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---

**COMMAND TO GET IP ADDRESS 2 and  
PORT NO 2**

**Cmd:** ^GETIP2PORT2#

**Example1:** ^GETIP2PORT2#

**OK Response:**

ServerCMD,IMEI,IP2-192.168.2.1,PORT2-9091

**Not OK:** ServerCMD,IMEI,0

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**SETAPN OF NETWORK PROVIDER**

**Cmd:** ^SETAPN <apn>#

**Example:** ^SETAPN airtelgprs.com#

**OK Response:**

ServerCMD,IMEI,APN,airtelgprs.com

**Not OK:** ServerCMD,IMEI,0

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### GETAPN OF NETWORK PROVIDER

**Cmd:** ^GETAPN#

**Example:** ^GETAPN#

**OK Response:**  
ServerCMD,IMEI,APN,airtelgprs.com

**Not OK:** ServerCMD,IMEI,0

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### SETAUTO APN FLAG

**Cmd:** ^SETAUTOAPN <ON/OFF>#

Device will set apn automatically as per network provider (On by default)

**Example:** ^SETAUTOAPN ON#

**OK Response:**  
ServerCMD,IMEI,AUTOAPN,ON

**Not OK:** ServerCMD,IMEI,0

---

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### SETEMERGENCY PHONE NO

**Cmd:** ^SETEMERGENCYNO <no>#

**Example:** ^SETEMERGENCYNO 9911074766#

**OK Response:**  
ServerCMD,IMEI,EMERGENCYNO,9911074767

**Not OK:** ServerCMD,IMEI,0

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**GET EMERGENCY PHONE NO**

**Cmd: ^GETEMERGENCYNO#**

**Example: ^GETEMERGENCYNO#**

**OK Response:**

ServerCMD,IMEI,EMERGENCYNO,9911074767

**Not OK: ServerCMD,IMEI,0**

---

### COMMAND TO CHANGE DATA SENDING INTERVALS

**Cmd:** ^SETREPORT\*10\*60\*120\*300\*10#

**Note:**

1. Intervals in seconds.
2. You can set minimum 5 second interval.

**ACTIVE MODE** – When Ignition is ON. (Default 10 seconds).

**NORMAL MODE** – When Ignition is OFF. (Default 60 seconds).

**STANDBY MODE** – When Main power is disconnected and device starts working on internal battery. (Default 2 minutes)

**HEALTH INTERVAL** –Device health packet sending interval. (Default 5 minutes)

**EMERGENCY INTERVAL** –When SOS button pressed. (Default 10 seconds)

**Example1:** ^SETREPORT\*10\*20\*30\* \*5#

**OK Response:**

ServerCMD,IMEI,REPORT,10,20,30, ,5

**Not OK:** ServerCMD,IMEI,0

---

### COMMAND TO GET DATA SENDING INTERVALS

**Cmd:** ^GETREPORT#

**Note:**

1. Intervals in seconds.
2. You can set minimum 5 second interval.

**ACTIVE MODE** – When Ignition is ON. (Default 10 seconds).

**NORMAL MODE** – When Ignition is OFF. (Default 60 seconds).

**STANDBY MODE** – When Main power is disconnected and device starts working on internal battery. (Default 2 minutes)

**HEALTH INTERVAL** –Device health packet sending interval. (Default 5 minutes)

**EMERGENCY INTERVAL** –When SOS button pressed. (Default 10 seconds)

**Example1:** ^GETREPORT#

**OK Response:**

ServerCMD,IMEI,REPORT,10,20,30, ,5

**Not OK:** ServerCMD,IMEI,0

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**CLEAR FLASH DATA**

**Cmd:** ^CLRMEMORY#

**OK Response:**  
ServerCMD,IMEI,CLRMEMORY

**Not OK:** ServerCMD,IMEI,0

**SETVEHICLE NO**

**Cmd:** ^SETVEHICLENO <vehicle no>#

**Example:** ^SETVEHICLENO DL1S01122#

**OK Response:**  
ServerCMD,IMEI,VEHICLENO,DL1S01122

**Not OK:** ServerCMD,IMEI,0

**GETVEHICLE NO**

**Cmd:** ^GETVEHICLENO#

**Example:** ^GETVEHICLENO#

**OK Response:**  
ServerCMD,IMEI,VEHICLENO,DL1S01122

**Not OK:** ServerCMD,IMEI,0

**DEVICE RESET**

**Cmd:** ^DEVRESET#

**OK Response:**  
ServerCMD,IMEI,DEVRESET

**Not OK:** ServerCMD,IMEI,0

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**TURN OFF EMERGENCY STATE OF  
DEVICE**

**Cmd:** ^STOP\_EMG#

**OK Response:**  
ServerCMD,IMEI,EMG,OFF

---

**GET IMEI NO**

**Cmd:** ^GETIMEI#

**OK Response:**  
ServerCMD,IMEI,

**Not OK:** ServerCMD,IMEI,0

---

**SETEMGKEYDURATION PARAMETERS**

**Cmd:** ^SETEMGKEYDURATION <duration>#

**Duration – In Seconds**

**Example:** ^SETEMGKEYDURATION 4#

**OK Response:**  
ServerCMD,IMEI,SETEMGKEYDURATION,4

**Not OK:** ServerCMD,IMEI,0

---

**SETCLRIGNITIONALERT PARAMETERS**

**Cmd:** ^CLRIGNITIONALERT#

**Duration – In Seconds**

**Example:** ^CLRIGNITIONALERT#

**OK Response:**  
ServerCMD,IMEI, CLRIGNITIONALERT

**Not OK:** ServerCMD,IMEI,0

---

**OPERATE DIGITAL OUTPUT RELAY**

**Cmd:** ^STARTELEC1#  
      ^STOPELEC1#  
^STARTELEC2#  
      ^STOPELEC2#

**Note:**  
STARTELEC1 = To OFF the output 1.  
STOPELEC1 = To ON the output 1.  
STARTELEC2 = To OFF the output 2.  
STOPELEC2 = To ON the output 2.

**OK Response:**  
ServerCMD,IMEI,OUT1,OFF  
ServerCMD,IMEI,OUT1,ON



---

### SETSOS AUTORESET FUNCTION

**Cmd:** ^SETSOSAUTORESET <0/1 ><interval>#

Where interval is in seconds.

**Example:**

^SETSOSAUTORESET 0#

^SETSOSAUTORESET 1 600#

**OK Response:**

ServerCMD,IMEI,SETAUTORESET,0

ServerCMD,IMEI,SETAUTORESET,1,600

**Not OK:** ServerCMD,IMEI,0

---

### GET HEALTH DATA

**Cmd:** ^GETHEALTHDATA#

**OK Response:**

Get data as mention in above Health packet.

---

### SETEMERGENCY BUTTON PRESS DURATION

**Cmd:** ^SETEMGKEYDURATION<in seconds>#

**Example:** ^SETEMGKEYDURATION 3#

**OK Response:**

ServerCMD,IMEI,SETEMGDURATION,3

**Not OK:** ServerCMD,IMEI,0

---

**SETHARSH ACCELERATION  
PARAMETERS**

**Cmd:** ^SETHARSHACC <mg>,<duration>#

Mg – Milli G-force  
Duration – In Seconds

**Example:** ^SETHARSHACC 30,4#

**OK Response:**  
ServerCMD,IMEI,SETHARSHACC,30,4

**Not OK:** ServerCMD,IMEI,0

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---

**GETHARSH ACCELERATION  
PARAMETERS**

**Cmd:** ^GETHARSHACC#

Mg – Milli G-force  
Duration – In Seconds

**Example:** ^GETHARSHACC#

**OK Response:**  
ServerCMD,IMEI,Harsh acceleration,30,4

**Not OK:** ServerCMD,IMEI,0

---

---

**SET HARSH BRAKING PARAMETERS**

**Cmd:** ^SETHARSHBRAKE <mg>,<duration>#

Mg – Milli G-force  
Duration – In Seconds

**Example:** ^SETHARSHBRAKE 30,4#

**OK Response:**  
ServerCMD,IMEI,SETHARSHBRAKE,30,4

**Not OK:** ServerCMD,IMEI,0

---

---

### GET HARSH BRAKING PARAMETERS

**Cmd:** ^GETHARSHBRAKE#

Mg – Milli G-force  
Duration – In Seconds

**Example:** ^GETHARSHBRAKE#

**OK Response:**  
ServerCMD, IMEI, Harsh braking,30,4

**Not OK:** ServerCMD,IMEI,0

### SET HARSH BRAKING PARAMETERS

**Cmd:** ^SETHARSHBRAKE <mg>,<duration>#

Mg – Milli G-force  
Duration – In Seconds

**Example:** ^SETHARSHBRAKE 30,4#

**OK Response:**  
ServerCMD,IMEI,SETHARSHBRAKE,30,4

**Not OK:** ServerCMD,IMEI,0

### GET HARSH BRAKING PARAMETERS

**Cmd:** ^GETHARSHBRAKE#

Mg – Milli G-force  
Duration – In Seconds

**Example:** ^GETHARSHBRAKE#

**OK Response:**  
ServerCMD, IMEI, Harsh braking,30,4

**Not OK:** ServerCMD,IMEI,0

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### SETRASHTURN PARAMETERS

**Cmd:** ^SETRASHTURN <mg>,<degree>#

Mg – Milli G-force  
Degree – Angle

**Example:** ^SETRASHTURN 30,85#

**OK Response:**  
ServerCMD,IMEI,SETRASHTURN,30,85

**Not OK:** ServerCMD,IMEI,0

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### GET RASH TURN PARAMETERS

**Cmd:** ^GETRASHTURN#

Mg – Milli G-force  
Degree – Angle

**Example:** ^GETRASHTURN#

**OK Response:**  
ServerCMD,IMEI,Rash turning,30,85

**Not OK:** ServerCMD,IMEI,0

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### SETOVERSPEEDTHS PARAMETERS

**Cmd:** ^SETOVERSPEEDTHS <speed>#

Speed – In Km/hour

**Example:** ^SETOVERSPEEDTHS 80#

**OK Response:**  
ServerCMD,IMEI,SETOVERSPEEDTHS,80

**Not OK:** ServerCMD,IMEI,0

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### GET OVER SPEED THS PARAMETERS

**Cmd:** ^GETOVERSPEEDTHS#

Speed – In Km/hour

**Example:** ^GETOVERSPEEDTHS#

**OK Response:**  
ServerCMD,IMEI,GETOVERSPEEDTHS,80

**Not OK:** ServerCMD,IMEI,0

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### SETSLEPTIMETHS PARAMETERS

Cmd: ^SETSLEPTIMETHS <time>#

time – In seconds

Example: ^SETSLEPTIMETHS 600#

OK Response:  
ServerCMD,IMEI,SETSLEPTIMETHS,80

Not OK: ServerCMD,IMEI,0

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