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DEVICE COMMUNICATION TABLE

Dec Value	Name	Description
01	Network Command	Perform Defined Network Command
02	Location Command	Perform Defined Location Command
03	General Command	Perform Defined General Command
04	I/O Command	Perform Defined I/O Command
...
10	Network / SMS&Call / RPT Settings	
11	Assign Headers (Status Report)	
12	Assign Headers (Alert Report)	
13	Alert Config 1	
14	Alert Config 2	
16	Mode Configuration and Profile Settings	
17	Ignition / Inputs / Outputs	
18	Registered 1-Wire Driver IDs	
19	Accelerometer / Power / RS232 / 1 Wire	
...		
...		
99		
...		
129	Status Report	Status report from the device
130	Alert ID Report	Alert ID report sent from the device
131	Keep Alive Report	Keep Alive report sent from the device
132	External Serial Report	External Serial report sent from the device
133	Travel Report	Travel report sent from the device
...
144	ACK Report	
145	Status Report (req. ACK)	Status report from the device. Requires acknowledgment response from platform.
146	Alert ID Report (req. ACK)	Alert ID report sent from the device. Requires acknowledgment response from platform.
147	Keep Alive Report (req. ACK)	Keep Alive report sent from the device. Requires acknowledgment response from platform.
148	External Serial Report (req. ACK)	External Serial report sent from the device. Requires acknowledgment response from platform.
149	Travel Report (req. ACK)	
...
...		

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Command Structure:

- CMD;[DEVICE_ID];[Param ID];[Param Value]
- “AT^” must be added when sending commands from PC by USB.
<Example>
AT^CMD; 4309999001;01;01

01: Network Commands

0101: Check-In to Maintenance Server

Following command will prompt the device to report to the maintenance server to check for updates.

<Example>

Command: CMD;4309999001;01;01

Response: RES; 4309999001;01;01

0102: Requesting IMSI

The server sends the device this command requesting IMSI (International Mobile Subscriber Identity) if the server wants to receive IMSI from the device.

If the device receives the command from the server, it sends the IMSI to the server.

Response Options:

- When the device has no SIM or is under power-on process, the IMSI number cannot be read.
 - RES;4309999001;01;02;NotReady

<Example>

Command: CMD;4309999001;01;02

Response: RES;4309999001;01;02;724031111553779

0103: Requesting ICCID

How to request ICCID (Integrated Circuit Card Identifier), which is a sequence number that is displayed on SIM.

If device receives this command, it sends the server ICCID.

Response Options:

- When the device has no SIM or is under power-on process, the ICCID number cannot be read.
 - RES;4309999001;01;03;NotReady

<Example>

Command: CMD;4309999001;01;03


Response: RES;4309999001;01;03;89550230000084256668

0104: Check if connected to 2G, 3G, or 4G

Following table shows Radio Access Technology which the device is currently connected.

Response options:

- 0: GSM
- 1: GSM COMPACT
- 2: UTRAN

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- 3: GSM with EDGE availability
- 4: UTRAN with HSDPA availability
- 5: UTRAN with HSUPA availability
- 6: UTRAN with HSDPA and HSUPA availability
- 7: Reserved
- 8: LTE Cat M1
- 9: LTE Cat NB1
- 10: LTE Cat 1
- 255: Invalid or No Network

<Example>

Command: CMD;4309999001;01;04

Response: RES;4309999001;01;04;3

0105: Request its Own Phone Number

Requesting own phone number.

Response Options:

- When the device has no SIM or is under power-on process, the own phone number cannot be read.
 - RES; 4309999001;01;05;NotReady
- If the own number field in SIM is empty, the device reports with "NoData".
 - RES; 4309999001;01;05;NoData

<Example>

Command: CMD;4309999001;01;05

Response: RES;4309999001;01;05;82220275656

0121: Add automatic APN list (Hidden Command)

This command is made by the server to the device when the server wants to add a list for automatic APN. Enter comma separated fields with order <mcc/mnc>,<auth>,<apn>,<id>,<pwd>

<mcc/mnc>: 5 or 6 digits. It is part of IMSI

<auth>: 0 or 1

<apn>: maximum 100

<id>: maximum 32

<pwd>: maximum 32

Do not enter a space and leave it as blank if <id> or <password> is not necessary.
Enter 'd' to remove all the list.

<example>

Command: CMD;4309999001;01;21;45005,1,lte.sktelecom.com,,


Response: RES;4309999001;01;21

Command: CMD;4309999001;01;21;d – Removes all the list

Response: RES;4309999001;01;21

02: Location Commands

You can search the location using the Where are you command by SMS.
Both uppercase and lowercase letters are allowed.

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Where are you command: where are you/whereareyou/where r u/whereru

0201: Location query sent via smart phone (Hidden Command)

If you are a smart phone user, you can use it to easily find the current location on the Google map, just send one of the following messages by your smart phone:

<Example>

Command: CMD;4309999001;02;01

And, then the Google Map will be responding to you by sending the address on your smart phone. You can see the current location of the device just by opening the message containing that address on the web browser.

In order to enable the device to accept your SMS message, you have to add your smart phone number to one of the 4 optional numbers such as SMS_MT1 to SMS_MT4 or disable SMS_LOCK. Before you start using this function, you should get to know the URL (server address) of the Google map first.

You can have more information about how to get the server address of the Google map in section "Command to Get Google Map Address" of this document

0202: Set Google Map Address

In a case that you use a smart phone operating a function of "Where Are You", you can use the server of the Google as set below *in italic bold letters*, "Google map address". The users of the Google map should check what the right map address of the Google is and that the right address should be set. The Google map address needs to be checked. If the Google map address is not right, this function ("Where Are You") can't be used.

Set location link address format (Google map address).

This command is either followed by "=" or inserted inside the address.

<Example>

Command: CMD;4309999001;02;02;***http://maps.google.com/maps?q=***

Response: RES;4309999001;02;02

<Note>

The max of input string is 96 characters.

0203: Get Google Map Address

In case this command is made, the pre-set existing Google Map address will be known.

Definition: Get Google Map Address.


<Example>

Command: CMD;4309999001;02;03

Response: RES;4309999001;02;03;***http://maps.google.com/maps?q=***

0204: Set Emergency Mode

Command Set a Emergency Mode

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CMD;4309999001;02;04;<Enable>

<Enable>

- 0: Disable
- 1: Enable

<Example>

Command: CMD;4309999001;02;04;01

Response: RES;4309999001; 02;04

0205: Get Emergency Mode

Request information about the Emergency Mode.

Command: CMD;4309999001;02;05

Response: RES;4309999001;02;05;1

03: Command for General Use

After device is configured, user may need to check/query values of the parameters if he/she wants to change those values. This chapter shows user how to change the parameters values that have been set already.

0301: Requesting Status Report

Once this command is made, some interactions will be made between the server and the device as described in the 'Meaning' section of the table below.

Requesting Status of the device

If device receives this 'Request' command from the server, it sends the Status string to the server promptly.

<Example>

Command: CMD;4309999001;03;01

Response: [Defined Status Report Structure]

C.F. To request status string via external RS232, you must send the "SttReq" command.

0302: Re-setting (Restoring to factory defaults and rebooting)

Once this command is made, some interactions will be made between the server and the device as described in the 'Meaning' section of the table below.

Re-setting the current parameters values

This command is used to initialize all the parameters with the values set in the factory of the devices and to reboot the device.

c.f. Parameters are not initialized in Brazil firmware. It has same effect with Reboot command.


<Example>

Command: CMD;4309999001;03;02

Response: RES;4309999001;03;02

0303: Reboot

This command is made by the server to the device which needs to be rebooted.

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<Example>

Command: CMD;4309999001;03;03

Response: RES;4309999001;03;03;Reboot

0304: Request Device Version

Requesting information about version of the device

For OBD Models TYPE 2 transmits the STN1110 version

If the device receives this command, it reports to the server about:

CMD; 4309999001;03;04;<Type>

<Type>

- 1: Main firmware
- 2: MCU firmware
- 3: Accessory firmware (ST20M, ST25T, ...)
- 4: Modem firmware
- 5: BLE Firmware
- 6: WIFI Firmware
- 7: RS232 Ext1 Dev
- 8: RS232 Ext2 Dev
- 9: Modem Bypass MCU
- 10: GNSS Firmware

<Example>

Command: CMD;4309999001;03;04;01

Response: RES;4309999001;03;04; 01;STG.56.1.0.2

Command: CMD;4309999001;03;04;02

Response: RES;4309999001;03;04;02;M007

Response: RES;4309999001;03;04;02;NotSupport

Response: RES;4309999001;03;04;02;S4.4.0(Only OBD Model)

Response: RES;4309999001;03;04;02;N/A(Only OBD Model)

Command: CMD;4309999001;03;04;03

Response: RES;4309999001;03;04;03;A.0.0.7

Response: RES;4309999001;03;04;03;NotSupport

Command: CMD;4309999001;03;04;04

Response: RES;4309999001;03;04;04;BG96MAR02A07M1G_01.014.01.014


Response: RES;4309999001;03;04;04;NotReady

Command: CMD;4309999001;03;04;05

Response: RES;4309999001;03;04;05;NotSupport

Command: CMD;4309999001;03;04;06

Response: RES;4309999001;03;04;06;NotSupport

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Command: CMD;4309999001;03;04;07
Response: RES; 4309999001;03;04;07;
Response: RES; 4309999001;03;04;07;NotSupport

Command: CMD;4309999001;03;04;08
Response: RES; 4309999001;03;04;08;A.1.1.2
Response: RES; 4309999001;03;04;08;NotSupport

Command: CMD;4309999001;03;04;09(Only ST4500T Model)
Response: RES; 4309999001;03;04;09;M.1.0.2;

Command: CMD;4309999001;03;04;10
Response: RES;1881234567;03;04;10;AXN_5.1.6_3333_18041700

0305: Preset

This command sends the saved settings of the parameter
 However, when transmitting by SMS, it is transmitted by dividing it by 800 bytes
 (Only supported by LATAM or Brazil)

- Support Parameter List

- 1) Network Parameter
- 2) Report Config/Setting
- 3) Profile Setting
- 4) SMS
- 5) Accelerometer
- 6) Power
- 7) Ignition
- 8) Input
- 9) Output
- 10) Mode Config
- 11) 1-Wire Setting
- 12) Serial RS232

<Example>

Command: CMD;4309999001;03;05


Response:

RES;4309999001;03;05;10;00#02;01#;02#;03#;04#0000;05#211.118.107.218;06#6605;07#00;08#;09#0;10#00;11
 #0;12#0;13#00;60#0;20#suntechscuti.com;21#9000;22#24;23#00;00;70#00;71#60;61#00;62#500;63#300;65#60;6
 6#60;67#60;68#60;10;55#00;58#00;59#00;64#00;10;25#12345678912345678978;30#00;31#45645665465468798
 798;32#56465487879879878;33#89898798798798789798;34#12313213213216546;19;00#00;01#0.06;02
 #600;03#0.70;04#1.50;10#00;11#10.0;12#10.0;13#20.0;14#40.0;19;30#00;31#01;32#01;33#17.00;34#8.00;35#18.
 00;36#01;37#3.40;38#3.50;17;00#03;01#0;02#0;05#5;06#10;07#70;08#5;09#500;10#70;15#0.00;16#0.00;17;20#0
 0;21#20;22#18;23#0;24#00;25#1;26#02;27#20;17;60#00;61#01;75#9999;76#1100;77#1111;62#00;63#01;80#999
 9;81#1111;82#1111;64#00;65#01;16;70#600;71#0;72#0;73#600;74#0;75#0;76#3600;77#0;78#0;79#10;80#1000;8
 1#90;82#30;83#1000;84#60;85#3600;86#1000;87#30;16;00#04;01#0;05#01;06#0;10#02;11#0;12#30;13#30;14#3
 0;15#0;16#0;17#0;20#05;21#100;22#10;23#10;24#5;25#10;36#00;19;50#00;51#05;56#30;19;70#00;80#100;81#-
 50;82#100;83#-50;84#100;85#-50;86#100;87#-50;88#100;89#-50;90#100;91#-50;92#100;93#100;95#-50

0306: PresetP

This command sends the saved settings of the specified parameter
 (Only supported by LATAM or Brazil)

* Value: 0~tab total count

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- List of unsupported parameters

- 1) 1W Add Driver ID
- 2) 1W Remove Driver ID
- 3) 1W Get Driver ID
- 4) Circular Geofence
- 5) Command String
- 6) Polygon Geofence

<Example>

Command: CMD;4309999001;03;06;[value]

Response: RES;4309999001;03;06;[Setting Data]

Response: RES;4309999001;03;06;Not Support

Command: CMD;4309999001;03;06;0

Response:

RES;4309999001;03;06;10;00#02;01#;02#;03#;04#0000;05#211.118.107.218;06#6605;07#00;08#;09#0;10#00;11#0;12#0;13#00;60#0;20#suntechscuti.com;21#9000;22#24;23#00;00;70#00;71#60;61#00;62#500;63#300;65#60;66#60;67#60;68#60

Command: CMD;4309999001;03;06;1

Response: RES; 4536435435;03;06;10;55#00;58#00;59#00;64#00

Command: CMD;4309999001;03;06;12

Response: RES;4536435435;03;06;Not Support

0309: Improve Battery Life

- Not available

0310: Read setting of Improve Battery Life

- Not available

04: I/O COMMANDS

- EXTRA_INFO:
[DATA][TIME][CELL_ID][LAT][LON][SPD][CRS][SATT][FIX][DIST][MAIN_VOLT][IN_STATE][OUT_STATE][MODE]

0401: Enable1 ('Activating Output 1')

Command: CMD;4309999001;04;01

Response: RES;4309999001;04;01(USA)

Response: RES;4309999001;04;01;[EXTRA_INFO](LATAM or Brazil)

Response: RES;4309999001;04;01;Unknown CMD (Not Support)


** Output1 line goes to active status.

** If OUT1 is set with immobilizer, output1 line goes to the Active Status gradually with pulse in driving mode.

** If OUT1 is set with pulse type, output1 line generates pulse and automatically returns to the Inactive State after pulsing out.

0402: Disable1 ('Inactivating Output1')

Command: CMD;4309999001;04;02

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Response: RES;4309999001;04;02(USA)

Response: RES;4309999001;04;02;[EXTRA_INFO](LATAM or Brazil)

Response: RES;4309999001;04;02;Unknown CMD(Not Support)

** Output1 line goes to the Inactive Status.

0403: Enable2 ('Activating Output 2')

Command: CMD;4309999001;04;03

Response: RES;4309999001;04;03(USA)

Response: RES;4309999001;04;03;[EXTRA_INFO](LATAM or Brazil)

Response: RES;4309999001;04;03;Unknown CMD(Not Support)

** Output2 line goes to the Active Status.

** If OUT2 is set to immobilizer, output2 line goes to the Active Status gradually with pulse in driving mode.

** If OUT2 is set to the pulse type, output2 Line generates pulse and automatically returns to the Inactive State after pulsing out.

0404: Disable2 ('Inactivating Output2')

Command: CMD;4309999001;04;04

Response: RES;4309999001;04;04(USA)

Response: RES;4309999001;04;04;[EXTRA_INFO](LATAM or Brazil)

Response: RES;4309999001;04;04;Unknown CMD(Not Support)

** Output2 line goes to the Inactive Status.

0409: Enable3 ('Activating Output 3')

Command: CMD;4309999001;04;09

Response: RES;4309999001;04;09(USA)

Response: RES;4309999001;04;09;[EXTRA_INFO](LATAM or Brazil)

Response: RES;4309999001;04;09;Unknown CMD(Not Support)

** Output3 line goes to the Active Status.

** If OUT3 is set to immobilizer, output3 line goes to the Active Status gradually with pulse in driving mode.

** If OUT3 is set to the pulse type, output3 Line generates pulse and automatically returns to the Inactive State after pulsing out.

0410: Disable3 ('Inactivating Output3')

Command: CMD;4309999001;04;10

Response: RES;4309999001;04;10(USA)


Response: RES;4309999001;04;10;[EXTRA_INFO](LATAM or Brazil)

Response: RES;4309999001;04;10;Unknown CMD(Not Support)

** Output3 line goes to the Inactive Status.

0411: EnableLease

This Command will be setting 'EnableLease'.

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This command is only supported on 3 or more OUTPUTs.

Command: CMD;4309999001;04;11;<Value>

Response: RES;4309999001;04;11;<Value>

Value	Output Mode
0	Don't activate outputs
1	Activate Buzzer Pulse
2	Activate Buzzer Pulse and Horn Pulse
3	Activate Buzzer Pulse,Horn Pulse and Immobilizer

0412: ReqLease

Request information about the lease.

This command is only supported on 3 or more OUTPUTs.

Command: CMD;4309999001;04;12

Response: RES;4309999001;04;12;1

0413: Enable4 ('Activating Output 4')

Command: CMD;4309999001;04;13

Response: RES;4309999001;04;13(USA)

Response: RES;4309999001;04;13;[EXTRA_INFO](LATAM or Brazil)

Response: RES;4309999001;04;13;Unknown CMD(Not Support)

** Output4 line goes to the Active Status.

** If OUT4 is set to immobilizer, output4 line goes to the Active Status gradually with pulse in driving mode.

** If OUT4 is set to the pulse type, output4 Line generates pulse and automatically returns to the Inactive State after pulsing out.

0414: Disable4 ('Inactivating Output4')

Command: CMD;4309999001;04;14

Response: RES;4309999001;04;14(USA)

Response: RES;4309999001;04;14;[EXTRA_INFO](LATAM or Brazil)

Response: RES;4309999001;04;14;Unknown CMD(Not Support)

** Output4 line goes to the Inactive Status.

0420: SetDidOutCtrl

This command set output control type regarding driver id
(Only supported by LATAM or Brazil)


•Description when value is set to '4'

- Register key tag → OUTPUT 2 active → IGN OFF → OUTPUT 2 deactivate

- Not register key tag → IGN ON → OUTPUT 1 active → IGN OFF → OUTPUT 1 ON state maintain

Range: 0 ~ 3(Brazil), 0 ~ 4(LATAM)

Value	Output Control Type
0	Don't activate outputs

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1	Activate both Output1 and Output2
2	Activate Output2 only
3	Activate Output1 only
4	Output 1 active mean not register key tag Output 2 active means register key tag

Command: CMD;4309999001;04;20;2

Response: RES;4309999001;04;20;2

0422: Set Immob. Cycle Time

This command sets the time of immobilizer cycle action
(Only supported by LATAM or Brazil)

Command: CMD;4309999001;04;22;T1,T2

Response: RES;4309999001;04;22;T1,T2

Command: CMD; 4309999001;04;22;q

Response: RES;4309999001;04;22;T1,T2

<T1, T2>

Range: 0~7200

Units: Seconds

0423: Req Immob. Cycle Time

This command operates the Immobilizer in Cycle.

If even one of T1 and T2 setting times is 0, the operation is not action

The operation is stopped only when the disable or EraseAll command is received

(Only supported by LATAM or Brazil)


Command: CMD;4309999001;04;23

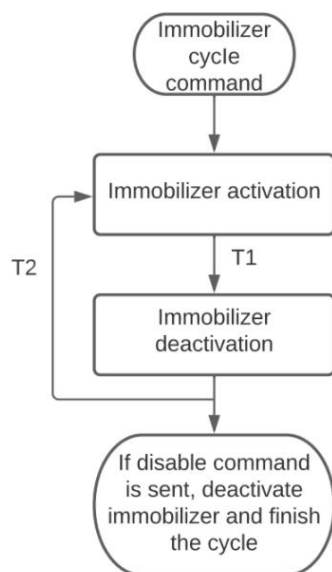
Response: RES;4309999001;04;23

<T1, T2>

Range: 0~7200

Units: Seconds

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0424: DidImmobAutoCtrl

If you tag a valid Driver ID after changing the driving state, you can disable the Immobilizer Auto OUTPUT to enable driving.

Enter 'q' instead of the value to view the current settings.

(Only supported by EU)

Command: CMD;4309999001;04;24;1

Response: RES;4309999001;04;24;1

Command: CMD; 4309999001;04;24;q

Response: RES;4309999001;04;24;1

Range: 0 or 1

Units: N/A

Default: 1

0 = Disable

1 = Enable

0426: InputDetectionCtrlSpeed

When this parameter is enabled, ALERT for input detection are not reported if vehicle speed is faster than the pre-defined limit.

If GPS is not fixed, device sends ALERT for input detection regardless of vehicle speed.

Command: CMD;4309999001;04;26;[enable],[speed]


Response: RES;4309999001;04;26;[enable],[speed]

It should be entered with comma separated

e.g.

Command: CMD;4309999001;04;26;3,50

Response: RES; 4309999001;04;26;3,50

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[enable]

q: Query current setting

0: Not use this feature

1 to 31: each bit represents number of input to apply speed limit.

1(0000 0001): Apply only for input1

3(0000 0011): Apply for input1 and input2

... ..

31(0001 1111): Apply for Input1 to Input5

[speed] speed limit

Maximum: 200

c.f. [speed] field is not necessary when [enable] field is zero.

0427: ReleaseDIDOutput

Command: CMD;4309999001;04;27

Response: RES;4309999001;04;27

When the device activates related output because registered I-button is not inserted and the device receives this command, the device deactivates related output temporarily until next parking.

0429: StartCountOdo

Command: CMD;4309999001;04;29

Response: RES;4309999001;04;29

When the device activates related output because registered I-button is not inserted and the device receives this command, the device deactivates related output temporarily until next parking.

0429: StopCountOdo

Command: CMD;4309999001;04;30;23456

Response: RES;4309999001;04;30;23456

When the device activates related output because registered I-button is not inserted and the device receives this command, the device deactivates related output temporarily until next parking.

05: COMMAND FOR VARIOUS USAGES


0501: Status Request made by External Device Connected with RS232 of Event Lines

This command is made towards a device by the external device connected with RS232 of the event line. Once the device receives this command,

<Example>

Command: CMD;4309999001;05;01

Response: RES;4309999001;05;01

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0502: Erase all the saved reports → Erase All

This command is used if you want to erase all the saved reports and disable the outputs. This command is needed to initialize the device which is to be delivered to a new customer.

<Example>

Command: CMD;4309999001;05;02

Response: RES;4309999001;05;02

0503: Set GPS Odometer

This command is used if you want to set the GPS Odometer.

<Example>

Command: CMD;4309999001;05;03;100

Response: RES;4309999001;05;03;100

*Max value is 4000000000

0504: Initialize Message Number

This command is used if you want to initialize sequence number of the message.

<Example>

Command: CMD;4309999001;05;04

Response: RES;4309999001;05;04;0

0505: Set Hour-Meter

This command is used if you want to set the travelled time period.

Command: CMD;4309999001;05;05;99999

Response: RES;4309999001;05;05;99999

*Max value is 9999999 for SB devices, 999999 for other devices

0506: Initialize Circular Geo-fence

This command is used for erasing all circular geo-fence setting data.

Command: CMD;4309999001;05;06


Response: RES;4309999001;05;06

0507: Request Complete STT Assign Map

This command is sent when you request about the current configuration for the Short, Medium and Long Assign. This device sends only enabled assign header

Command: CMD;4309999001;05;07

Response: RES;4300999021;05;07;STT ASSIGNMAP;S_ASSIGN,M_ASSIGN,L_ASSIGN

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0512: Request Mic Volume

Get MIC volume level in call.

Command: CMD;4309999001;05;12

Response: RES;4309999001;05;12;<Value>

0513: Initialize Register BLE

This command is used for erasing all registered ble setting data.

Command: CMD;4309999001;05;13

Response: RES;4309999001;05;13

0514: Request All Driver

Get All Driver ID. (Only supported by LATAM or Brazil)

Due to the limitation of the maximum data length that can be processed at one time, it is divided into 60 pieces and transmitted.

Command: CMD;4309999001;05;14

Response: RES; 4309999001;05;14;[Driver ID Number]#[ID]

<Example>

Command: CMD;4309999001;05;14

Response: RES;4309999001;05;14;0001#03640000000237000B;0002#350000044033010B

0515: Request Poly Info

Get poly geofence information. (Only supported by LATAM or Brazil)

When sending via SMS, up to 30 locations are sent in ASCII.

SMS is more limited than server response.

SMS has a different response behavior(sent values in ASCII while at server it sends values in HEX).

Command: CMD;4309999001;05;15;[ID]

Response: RES;4309999001;05;15;[ID];[Config Info];[Position number]#[Coordinates]

- Config Info : [Position count][In Enable][Out Enable]

<In/Out Enable>

- 0: Disable
- 1: Enable

0516: InitDrivingParkingTime

This command is used for erasing parking time and driving time.

Command: CMD;4309999001;05;16


Response: RES;4309999001;05;16

0517: Initialize All Polygon Geo-fence

This command is used for erasing all polygon geo-fence setting data.

Command: CMD;4309999001;05;17

Response: RES;4309999001;05;17

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0518: Initialize Polygon Geo-fence Specific ID

This command is used for erasing specific id polygon geo-fence setting data.

Command: CMD;4309999001;05;18;[ID]

Response: RES;4309999001;05;18

<Example>

Command: CMD;4309999001;05;18;1,10

Response: RES;4309999001;05;18

Command: CMD;4309999001;05;18;1

Response: RES;4309999001;05;18

0519: Initialize Circular Geo-Fence Specific ID

This command is used for erasing specific id circular geo-fence setting data.

Command: CMD;4309999001;05;19;[ID]

Response: RES;4309999001;05;19

<Example>

Command: CMD;4309999001;05;19;1,10

Response: RES;4309999001;05;19

Command: CMD;4309999001;05;19;1

Response: RES;4309999001;05;19

0520: Request Circular Info

Get circular geofence information. (Only supported by LATAM or Brazil)

If the option to send as SMS is included, it will be sent in ASCII.

Command: CMD;4309999001;05;20;[ID]

Response: RES;4309999001;05;20;[ID];[In Enable];[Out Enable];[Coordinates];[Radius]

<Enable>

- 0: Disable
- 1: Enable

<Example>


ASCII: RES;4309999001;05;20;03;01;01;37.475560;126.890262;1860

Hex: RES;4309999001;05;20;03;01;01;023bd4e8079031160744

0524: Activate Anti-theft

Activate Anti-theft feature. (Only supported by LATAM or Brazil)

Command: CMD;4309999001;05;24;[Enable]

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Response: RES;4309999001;05;24;[Enable]

<Enable>

- 0: Disable
- 1: Enable

0526: Req Circular ID

Request Circular Geofence setting ID. (Only supported by LATAM or Brazil)

Command: CMD;4309999001;05;26;<Group n>

Response: RES;4309999001;05;26,1,2,3,4 ~,n

Group 1: Circular Geofence ID 1~100

Group 2: Circular Geofence ID 101~200

Group 3: Circular Geofence ID 201~300

...

Group 10: Circular Geofence ID 901~999

0527: Set GNSS Report Mode

Command to turn on GNSS and get location info for status report.

When entering emergency mode, GNSS is always turned on.

CMD;4309999001;05;27;<Enable>

<Enable>

- 0: Disable → turn off GNSS and location data shows only last fixed data.
- 1: Enable → turn on GNSS and getting location data before sending Status report. After Status report is sent, GNSS is turned off automatically.

<Example>

Command: CMD;0469990002;05;27;1

Response: RES;0469990002;05;27

0528: Req GNSS Report Mode

Command to query current GNSS Report Mode

<Example>

Command: CMD;0469990002;05;28

Response: RES;0469990002;05;28;1 (Enable)

RES;0469990002;05;28;0 (Disable)


0529: Initialize Park Odometer

This command is used if you want to initialize park odometer. (Only supported by SB)

<Example>

Command: CMD;0469990002;05;29

Response: RES;0469990002;05;29;0

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0530: Activate Battery Log

Activate battery log manually with battery capacity.

Command: CMD;0469990002;05;30;<batt_capacity>

Response: RES;0469990002;05;30

<batt_capacity>

- 100 ~ 30,000 : Remaining battery capacity (mAh)
- 0 : Auto detection of battery capacity as per model ID.

0531: Request Used Time Log

Get the elapsed time (seconds) with each state after battery log activation

Command: CMD;0469990002;05;31

Response:

RES;0469990002;05;31;<idle_sec>,<no_ntw_sec>,<tx_sec>,<gnss_sec>,<shutdown_sec>,<psm_sec>,<batt_capacity>

<idle_sec>

Elapsed time on idle state after battery activation.

<no_ntw_sec>

Elapsed time on no network state after battery activation.

<tx_sec>

Elapsed time on tx state after battery activation.

<gnss_sec>

Elapsed time on gnss network state after battery activation.

<shutdown_sec>

Elapsed time on no shutdown(deepsleep) state after battery activation.

<psm_sec>

Elapsed time on no psm state after battery activation.

<batt_capacity>

Allocated battery capacity

0532: Request Battery Activation Time

Get the battery activation time.

<Example>

Command: CMD;0469990002;05;32

Response: RES;0469990002;05;32;<activated_time>

<activated_time>

YYYY.MM.DD-HH:MM:SS – Activated date/time (ex- 2022.9.16-5:14:6)


0 – Not activated.

0533: Reset Battery Log

Reset battery log and restart with automatic battery capacity detection.

Command: CMD;0469990002;05;33

Response: RES;0469990002;05;33

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0534: Initialize All Driver ID

This command is used for erasing all driver id setting data. (Only supported by Brazil)

Command: CMD;4309999001;05;34

Response: RES;4309999001;05;34

0580: Request DPA Parameter

This command is sent when you request about the value of the 'DPA threshold' parameters. (Only supported by SB)

<Example>

Command: CMD;0469990002;05;80

Response: RES;0469990002;05;80;1;10.0;20.0;40.0

0581: Request DPA Default

This command is sent when you request to set the value of the 'DPA threshold' parameters to the default values. (Only supported by SB)

<Example>

Command: CMD;0469990002;05;81

Response: RES;0469990002;05;81;10.0;20.0;40.0

0582: Start DPA Calibration

This command starts the 'DPA Calibration'. When the device enters the DPA calibration status, the device red & blue led will be blinking every 0.5 sec at the same time. It will respond with ERROR, if you don't set the parameter 1910: Driver Pattern Function to Enable. (Only supported by SB)

<Example>

Command: CMD;0469990002;05;82

Response: RES;0469990002;05;82

0583: Stop DPA Calibration

This command stops the 'DPA Calibration'. When the device exits the DPA calibration status, the device red & blue led will be blinking by GPRS & GPS status. It will respond with ERROR, if the device isn't in the DPA Calibration status. (Only supported by SB)

<Example>

Command: CMD;0469990002;05;83

Response: RES;0469990002;05;83;10.0;20.0;40.0


0584: Set Power Button

This command is used for enable or disable to power button.

CMD; 4309999001;05;84;<Type>

<Type>

- 0: Disable Power Button
- 1: Enable Power Button
- 2: Request status about power button.

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<Example>

Command: CMD;4309999001;05;84;0

Response: RES;4309999001;05;84;0

Command: CMD;4309999001;05;84;1

Response: RES;4309999001;05;84;1

Command: CMD;4309999001;05;84;2

Response: RES;4309999001;05;84;0 or 1

0585: ConfigModeReset

This command is used for reset to config mode.

CMD; 4309999001;05;85

<Example>

Command: CMD;4309999001;05;85

Response: RES;4309999001;05;85

*** Only supported by ST4290_ENCONTRACK

06: COMMAND FOR ACCESSORY

0610: Set OBD Enable

Command to turn on/off the OBD function. (For ST20A)

When the setting is completed, an alert is generated. For information on the alert, please refer to the "Universal Reporting Guide OBD" document.

CMD;4309999001;06;10;<Enable>

<Enable>

- 0: Disable
- 1: Enable

<Example>

Command: CMD;0469990002;06;10;0

Response: RES;0469990002;06;10;0

0611: Get OBD Enable

Command to check the on/off status of OBD function. (For ST20A)

Response comes status for the OBD function.

<Example>

Command: CMD;0469990002;06;11


Response: RES;0469990002;06;11;0 (Disable)

RES;0469990002;06;11;1 (Enable)

0620: Request ST25T preset

Report all the ST25T parameter.

<Example>

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Command: CMD;4309999001;06;20

Response: RES;4309999001;06;20;1;1;3;3;0;0;3;0;0;0;0;0;0;3;1;3;1

0621: Request ST25T esn number

Requesting information about esn number of the ST25T.

<Example>

Command: CMD;4309999001;06;21

Response: RES;4309999001;06;21;0537654321

0622: Request ST25T reset

Request to reset the ST25T module.

<Example>

Command: CMD;4309999001;06;22

Response: RES;4309999001;06;22

0623: Request ST25T serial camera 1 snapshot

Request a serial camera 1 snapshot of the ST25T module.

<Example>

Command: CMD;4309999001;06;23

Response: RES;4309999001;06;23

0624: Request ST25T serial camera 2 snapshot

Request a serial camera 2 snapshot of the ST25T module.

<Example>

Command: CMD;4309999001;06;24

Response: RES;4309999001;06;24

07: USER COMMANDS

0700: Encoding Type

This Command will be setting Encoding Type

Device ID can be encrypted when command is sent by SMS


(Only supported by LATAM or Brazil)

Value	Encoding Type
0	Disable Device ID is not encrypted
1	Auto Encoding Key. Device ID is encrypted by auto-generated Encoding Key.
2	User Encoding Key. Device ID is encrypted by user-defined Encoding Key.

<Example>

Command: CMD;4309999001;07;00;1

Response: RES;4309999001;07;00;1

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Command: CMD; 4309999001;07;00;q
Response: RES; 4309999001;07;00;<value>

0701: User Encoding Key

This Command will be setting User Encoding Key
Device ID can be encrypted when command is sent by SMS
(Only supported by LATAM or Brazil)

<Example>

Command: CMD;4309999001;07;01;1D3F35zT2AcBqCud
Response: RES;4309999001;07;01;1D3F35zT2AcBqCud

User Encoding Key should be 16 characters and possible range of each character are:
'0'~'9', 'a'~'z', or 'A'~'Z'

0718: Request LoRa Network Keys

This command gets device address, network session key and app session key for LoRaWAN

<Example>

Command: CMD;4309999001;07;18
Response:
RES;4309999001;07;18;2601343B;80E8EF35587067E77ACE357D6BE1826C;1928D1FF2BF75FCA1F540FD3F9
9A51DB

0719: Request LoRa Device EUI

This command gets device EUI for LoRaWAN

<Example>

Command: CMD;4309999001;07;19
Response: RES;4309999001;07;19;1234567890212223

0721: Turn off

This command turns the device off. It works with backup battery operating only. (Only supported by STx33x series)

<Example>

Command: CMD;4309999001;07;21
Response: RES;4309999001;07;21


0722: Get Backup Battery Level

This command gets backup battery voltage level as percentage. Each step of percentage is voltage as below.
(Only supported by STx33x series)

Percentage (%)	100	90	80	70	60	50	40	30	20	10	0
Voltage (V)	4.06	3.97	3.89	3.83	3.77	3.75	3.73	3.66	3.53	3.49	3.3

<Value>
'0' ~ '100' (step: 10)

<Example>

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Command: CMD;4309999001;07;22

Response: RES;4309999001;07;22;<Value>

0724: Set Turn Off by Power Key

This command set whether turn off the device by power key. It works with backup battery operating only. (Only supported by STx33x series)

Default: 0 (Disable)

<Value>

0: Disable

1: Enable

<Example>

Command: CMD;4309999001;07;24;<value>

Response: RES;4309999001;07;24;<value>

0725: Set Geo-fence Area Jamming

This command set whether not check jamming in geo-fence area.
If it is set to 0 (Disable), Jamming check is also performed in the geo-fence area.
(Only supported by LATAM or Brazil)

<Value>

0: Disable

1: Enable

<Example>

Command: CMD;4309999001;07;25;<Value>

Response: RES;4309999001;07;25;<Value>

0726: Get Geo-fence Area Jamming

This command gets whether Set Geo-fence Area Jamming is set.
(Only supported by LATAM or Brazil)

<Value>

0: Disable

1: Enable

<Example>

Command: CMD;4309999001;07;26

Response: RES;4309999001;07; 26;<value>

0731: Set LED OFF

This command should stop all device LED activity after being received


<Value>

0: Disable

1: Enable

<Example>

Command: CMD;4309999001;07;31;<value>

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Response: RES;4309999001;07;31; <value>

0732: Get LED OFF

This command requests the value of the LED OFF setting.

<Value>

0: Disable

1: Enable

<Example>

Command: CMD;4309999001;07;32

Response: RES;4309999001;07; 32;<value>

0733: Set Delivery Mode

This Command set Delivery Mode

If the main power is disconnected, it enters Delivery Mode immediately, otherwise ERROR is returned.

<Example>

Command: CMD;4309999001;07;33

Response: RES;4309999001;07;33;OK

0737: Get Anti theft status

This command get anti theft status check

(Only supported by LATAM or Brazil)

<Value>

0: Disable

1: Enable

<Example>

Command: CMD;4309999001;07;37

Response: RES;4309999001;07;37; <value>

0738: Set buzzer pulse off

The pulse will be not activated if the buzzer sounded because of the over speed with this setting.

(Only supported by LATAM or Brazil)

<Value>

0: Disable

1: Enable

<Example>

Command: CMD;4309999001;07;38;<value>

Response: RES;4309999001;07;38; <value>


0739: Get buzzer pulse off

This command get buzzer pulse off

(Only supported by LATAM or Brazil)

<Value>

0: Disable

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1: Enable

<Example>

Command: CMD;4309999001;07;39

Response: RES;4309999001;07; 39;<value>

0749: Set immobilizer always pulsed

The immobilizer is pulsed regardless of ignition status.
It cannot be enable at the same time as the immob.lock (ID: 425) function.
(Only supported by LATAM or Brazil)

<Value>

0: Disable

1: Enable

<Example>

Command: CMD;4309999001;07;49;<value>

Response: RES;4309999001;07; 49;<value>

Command: CMD;0541234567;07;49;q

Response: RES;0541234567;07;49;<value>

0750: Set immobilizer speed limit

When the immobilizer execution event occurs while driving, the immobilizer is executed when the speed is lower than the set speed (Only supported by LATAM or Brazil)

<Value>

Range: 0~300

Default: 0

- 0 = Disabled

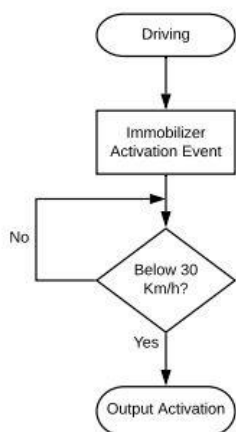
<Example>


Command: CMD;4309999001;07;50;<value>

Response: RES;4309999001;07; 50;<value>

Command: CMD;0541234567;07;50;q

Response: RES;0541234567;07;50;<value>



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0770: Set Charge Mode

This command set the charge mode enable or not. If the charge mode is enabled, the device can charge the backup battery whether ignition on or not. (Only supported by STx33x series in LATAM)

<Value>

0: Disable

1: Enable

<Example>

Command: CMD;4309999001;07;70;<value>

Response: RES;4309999001;07;70;<value>

0771: Get Charge Mode

This command gets the charge mode setting status. (Only supported by STx33x series in LATAM)

<Value>

0: Disable

1: Enable

<Example>

Command: CMD;4309999001;07;71

Response: RES;4309999001;07;71;<value>

0771: Get Charge Mode

This command gets the charge mode setting status. (Only supported by STx33x series in LATAM)

<Value>

0: Disable

1: Enable

<Example>

Command: CMD;4309999001;07;71

Response: RES;4309999001;07;71;<value>

0773: StartEmg

Starts Emergency Mode. (Only supported by RF Model)

<Example>

Command: CMD;4309999001;07;73

Response: RES;4309999001;07;73

0774: StopEmg


Stops Emergency Mode. (Only supported by RF Model)

<Example>

Command: CMD;4309999001;07;74

Response: RES;4309999001;07;74

0775: CoNetEmg1

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Start Collaborative Network for EMG MODE. (Only supported by RF Model)

<Example>

Command: CMD;4309999001;07;75

Response: RES;4309999001;07;75

0776: CoNetEmg0

Stop Collaborative Network for EMG MODE. (Only supported by RF Model)

<Example>

Command: CMD;4309999001;07;76

Response: RES;4309999001;07;76

0782: ReqCoNet

Request whether or not CoNet is activated. (Only supported by RF Model)

<Example>

Command: CMD;0541234567;07;82

Response: RES;0541234567;07;82;<ConetEnabled>

<ConetEnabled>

“Enabled” : Conet is Enabled

“Disabled” : Conet is Disabled

0789: SetREPCHARGE

This command is to set the report to server while charging the battery. (Only supported by RF Model)

<Example>

Command: CMD;4309999001;07;89;<Enabled>

Response: RES;4309999001;07;89;<Enabled>

<Enabled>

0 : Device does not report to server while its battery is recharged.

1 : Device report to server while its battery is recharged.

The device report to server periodically, according to its report interval configuration.

Default : 0

0790: ReqREPCHARGE

This command is to request the report charge option. (Only supported by RF Model)


<Example>

Command: CMD;4309999001;07;90

Response: RES;4309999001;07;90;<Enabled>

<Enabled>

0 : Device does not report to server while its battery is recharged.

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1 : Device report to server while its battery is recharged.

The device report to server periodically, according to its report interval configuration.

0791: Get EEPROM Data

This command gets the EEPROM Data. (Only supported by ST4290_USA)

<Example>

Command: CMD;1690000005;07;91

Response: RES; 1690000005;07;91;<value>

0792: Reset EEPROM Data


This command resets the EEPROM Data. (Only supported by ST4290_USA)

<Example>

Command: CMD;1690000005;07;92


Response: RES; 1690000005;07;92

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REVISIONS

Rev. No.	Date	Modifications were made on:	Writer
Rev. 1.00	2016-11-24	DRAFT	S.E Park
Rev. 1.01	2018-02-09	Change the "0504" response message	S.E Park
Rev. 1.02	2018-10-09	Delete unnecessary chapters	S.E Park
Rev. 1.03	2018-10-25	Updated Connected Network state	KJH
Rev. 1.05	2018-11-02	Edit "0503" description.	S.E Park
Rev. 1.09	2019-03-18	Added "0507", "0508" item	SJ SONG
Rev. 1.10	2019-04-05	Change Response format for Version Request (item "304")	SJ SONG
Rev. 1.11	2019-05-06	Added a note about commands when sending from PC ("AT^" added)	KJH
Rev. 1.12	2019-05-27	Added STGPS requests (Request Version command)	SJ SONG
Rev. 1.13	2019-06-17	Added Volume Command String	SJ SONG
Rev. 1.14	2019-06-18	Changed the range of mic volume levels	KJH
Rev. 1.15	2019-07-05	Added Lease, Encoding Command	SJ SONG
Rev. 1.16	2019-07-05	Added Request Mic Volume Command String	KSH
Rev. 1.17	2109-07-10	Added commands for RF devices	JH KIM
Rev. 1.18	2019-07-12	Added commands for ST25T device.	JH SIM
Rev. 1.19	2019-08-05	Changed the range of mic volume levels (0~15)	KJH
Rev. 1.20	2019-08-21	Added hidden commands for RET function	JH KIM
Rev. 1.21	2019-08-28	Added DID_OUT_CTRL command (only for LATAM)	JH KIM
Rev. 1.22	2019-09-09	Added extra information about output enable and disable response. Added Volume (Set, Req) example	SJ SONG
Rev. 1.23	2019-09-18	Changed about Output Enable, Disable Response	SJ SONG
Rev. 1.24	2019-09-19	Changed title (HIDDEN COMMANDS -> USER COMMANDS)	SJ SONG
Rev. 1.25	2019-09-26	Cleaning up the contents of a document	SJ SONG
Rev. 1.26	2019-10-02	Remove hidden commands, Added immobilizer by sim extraction command	JH KIM
Rev. 1.27	2019-10-02	Added setting value of immobilizer by sim extraction command	SJ SONG
Rev. 1.28	2019-10-10	Added hidden command comment to ID (0716, 0717)	SJ SONG
Rev. 1.29	2019-10-14	Added comment of ID (0411, 0412)	SJ SONG
Rev. 1.30	2019-10-21	Added option to read Modem Firmware version	JH KIM
Rev. 1.31	2019-11-22	Added comment of ID (0413, 0414)	SJ SONG
Rev. 1.32	2019-11-23	Added Route Deviation commands (0718 ~ 0720) Added Turn off command (0721) Added Get Backup Battery Level command (0722) Added Set Geo-Fence Modem off command (0723)	HSPark
Rev. 1.33	2019-12-03	Removed for Request Device Version USA Command	SJ SONG
Rev. 1.34	2019-12-06	Removed Route Deviation commands	HSPark
Rev. 1.35	2019-12-12	Added comment of ID (0305, 0306)	SJ SONG
Rev. 1.36	2019-12-20	Added command of ID (0724: Set Turn off Power Key)	SJ SONG
Rev. 1.37	2020-01-02	Added description for command ID 0723: Set Geo-fence Modem Off	JH KIM
Rev. 1.38	2020-01-02	Added a Table of percentage-voltage (0722)	HSPark
Rev. 1.39	2020-01-08	Added command of ID (0725, 0726)	SJ SONG
Rev. 1.40	2020-01-08	Added a Description of Turn off command condition. (0721)	HSPark
Rev. 1.41	2020-01-09	Removed command of ID (0405, 0406)	SJ SONG
Rev. 1.42	2020-06-23	Added command of ID (0731, 0732)	SJ SONG
Rev. 1.43	2020-06-26	Added command of ID (0733, 0734)	SJ SONG
Rev. 1.44	2020-06-27	Changed Deliver Mode command	KJH

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Rev. 1.45	2020-07-06	Added Description of Where are you command	SJSONG
Rev. 1.46	2020-07-28	Added command of ID (0735, 0736)	SJSONG
Rev. 1.47	2020-09-15	Added command of ID (0610, 0611)	JH SIM
Rev. 1.48	2020-10-08	Added Description of Request version command	SJSONG
Rev. 1.49	2020-10-21	Removed Description of command ID 0723: Set Geo-fence Modem Off	HSPark
Rev. 1.50	2021-02-03	Changed typo of Request Device Version command	SJSONG
Rev. 1.51	2021-02-10	Added LoRa WAN commands	JH KIM
Rev. 1.52	2021-02-22	Added of description of support by Buyer	SJSONG
Rev. 1.53	2021-02-26	Changed description of Preset, Encoding Type, User Encoding Key Command	SJSONG
Rev. 1.54	2021-03-03	Add InitRegisterBLE in Command String	KSH
Rev. 1.55	2021-03-26	Added command of ID (0738, 0739)	HKJUN
Rev. 1.56	2021-03-30	Added command of ID (0737)	HKJUN
Rev. 1.57	2021-03-30	Added command of ID (0514, 0515)	MJLEE
Rev. 1.58	2021-04-01	Added command of ID (0727, 0728)	SJSONG
Rev. 1.59	2021-04-15	Added command of ID (0749)	HKJUN
Rev. 1.60	2021-04-22	Added comment of Preset Command	SJSONG
Rev. 1.61	2021-04-30	Changed description of limited commands supported by STx330 series	HSPark
Rev. 1.62	2021-05-10	Added command of circular bank trucks (ID:0734)	SJSONG
Rev. 1.63	2021-05-13	Added description of encoding type	SJSONG
Rev. 1.64	2021-05-26	Added command of set immobilizer speed limit (ID:0750)	SJSONG
Rev. 1.65	2021-06-01	Added Immobilizer by main power disconnection.	JH KIM
Rev. 1.66	2021-06-07	Added Rocker switch enable command (ID: 0755, 0756)	JH KIM
Rev. 1.67	2021-06-08	Added description of ID 751~756	JH KIM
Rev. 1.68	2021-06-11	Changed example of Set Circular Bank Trucks	SJSONG
Rev. 1.69	2021-06-14	Moved some hidden commands to Universal Engineering Command for LATAM	JH KIM
Rev. 1.70	2021-06-16	Moved some hidden commands to Universal Engineering Command for LATAM	JH KIM
Rev. 1.71	2021-06-22	Added command of Accessory Parameter in request device version.	KEB
Rev. 1.72	2021-06-23	Changed RS232 Ext1/2(7/8) Dev ID in request device version.	KEB
Rev. 1.73	2021-07-13	Added command of Set Immob. Cycle Time and Req Immob. Cycle Time	SJSONG
Rev. 1.74	2021-07-19	Changed command description of Req Immob. Cycle Time	SJSONG
Rev. 1.75	2021-08-05	Added Request Device Version type	SJSONG
Rev. 1.76	2021-09-07	Added description of Request All Driver, Request poly info	SJSONG
Rev. 1.77	2021-09-13	Added DidlImmobAutoCtrl command (ID: 0424)	SJSONG
Rev. 1.78	2021-09-29	Changed max range 600 to 7200 of Set Immob. Cycle Time	SJSONG
Rev. 1.79	2021-10-07	Added Safebox message(ID: 0758) and RS232 commands for geofence(ID: 0759 to 0766)	JH KIM
Rev. 1.80	2021-10-13	Added command of All polygon Init, Req Poly info, Init polygon specific ID, Init circular specific ID	SJSONG
Rev. 1.81	2021-10-13	Added command of Emergency Mode.	KEB
Rev. 1.82	2021-10-14	Added hidden commands for Spy Phone Call(ID: 0521 to 0523)	JH KIM
Rev. 1.83	2021-10-21	Added command of Emergency Mode.	KEB
Rev. 1.84	2021-11-10	Correct errata for example of 0522. Add ':' in special character list for 0758	JH KIM
Rev. 1.85	2021-12-10	Move some engineering commands to Universal Engineering Commands for LATAM 0521, 0522, 0523, 0716, 0717, 0758, 0759 to 0762, 0763 to 0766	JH KIM
Rev. 1.86	2022-01-06	Added command for activate/deactivate anti-theft. (ID: 0524, 0525)	JH KIM
Rev. 1.87	2022-01-12	Remove Deactive Anti-theft (ID: 0525), Added Req Circular ID (ID: 0526)	SJSONG

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		Add active option in ID 0524	JH KIM
Rev. 1.88	2022-01-25	Added command of initDrivingParkingTime , Init parking_time and driving_time	KEB
Rev. 1.89	2022-02-09	Added command of Set GNSS Report Mode, Req GNSS Report Mode	YS Kim
Rev. 1.90	2022-02-25	Added description of immobilizer always pulsed	SJSONG
Rev. 1.91	2022-03-28	Changed Description of Request Poly info, All Driver (ID:0514, 0515)	SJSONG
Rev. 1.92	2022-05-11	Changed Description of Req Circular ID	SJSONG
Rev. 1.93	2022-06-14	Correct erratum in ID 0524	JH KIM
Rev. 1.94	2022-07-08	Added command of Initialize park odometer	SJSONG
Rev. 1.95	2022-07-13	Added command for DPA calibration (ID:0580,0581, 0582, 0583)	HS Park
Rev. 1.96	2022-07-20	Modify description of Request Circular info (ID: 0520)	SJSONG
Rev. 1.97	2022-08-04	Modify description of Request Poly Info (ID: 0515)	SJSONG
Rev. 1.98	2022-09-16	Add Command ID 0530/0531/0532	YSKIM
Rev. 1.99	2022-09-23	Added description about response 255 for ReqConNtw(ID: 0104)	JH KIM
Rev. 1.100	2022-09-26	Added description for Brazil	JH KIM
Rev. 1.101	2022-09-29	changed SetDidOutCtrl command set value range(0~3 to 0~4)	SJSONG
Rev. 1.102	2022-10-19	Add ResetBatteryLog Command (0533)	YSKIM
Rev. 1.103	2022-10-24	Modify description of SetDidOutCtrl (ID: 0420)	SJSONG
Rev. 1.104	2023-01-11	Added Charge Mode command (ID 0770, 0771)	HSPark
Rev. 1.105	2023-01-31	Added Default value in ID 0724 Modify description from STx330 to STx33x	HSPark
Rev. 1.106	2023-02-22	Added InputDetectionCtrlSpeed command (ID 0426)	JH KIM
Rev. 1.107	2023-03-06	Added description of SttReq (ID: 0301)	JH KIM
Rev. 1.108	2023-03-06	Added description of Initialize Park Odometer (ID: 0529)	SJSONG
Rev. 1.109	2023-04-05	Added option to read GNSS firmware version (ID: 0304)	JH KIM
Rev. 1.110	2023-04-13	Added command for power button enable and disable.	KEB
Rev. 1.111	2023-06-16	Added description of Request All Driver (ID: 0514) Added Initialize All Driver ID command (ID 0534)	SJSONG
Rev. 1.112	2023-06-29	Added Request EEPROM (ID: 0791) Added Reset EEPROM (ID 0792)	KEB
Rev. 1.113	2023-07-20	Added command of Release DID Output. (ID: 0427) Modify description of Request All Driver (ID: 0514)	SJSONG
Rev. 1.114	2023-10-19	Modify description of Request All Driver (ID: 0514)	SJSONG
Rev. 1.115	2023-10-27	Modify maximum value of Odometer and Hourmeter (0503, 0505)	JH KIM
Rev. 1.116	2023-11-22	Added command for release ConfigModeReset	KEB
Rev. 1.117	2023-11-30	Added ID 0121 to add automatic APN list	JH KIM
Rev. 1.118	2024-02-02	Changed design of document.	SJSONG
Rev. 1.119	2024-02-16	Added ID 0429 for output status in report field Remove ID 0107, 0108 and 0109	JH KIM
Rev. 1.120	2024-02-20	Remove ID 0429. It is replaced with ID 1786	JH KIM
Rev. 1.121	2024-04-09	Integration of content related to ST4410 series models	JHSIM
Rev. 1.122	2024-05-16	Added LTE Cat 1 in response of ID 0104	JH KIM
Rev. 1.123	2024-07-03	Commands used only in the RF model are indicated.	JHSIM