PS140 User Manual v1.0

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DEVICE INITIALIZATION

1. Connect Main Power & Ignition Input to initialize device.
2. Device will take 3 - 5 min to initialize.
3. Red LED Indicates that device is ON.
4. Blue LED shows GSM status. If it blinks at every 1 sec it means searching for GSM network and if it blinks at 2 sec then device is registered to GSM network.
5. Green LED shows GPS status. If GPS fix then it will remain ON otherwise it will keep blinking.
6. After device is initialized and GPS is fix, it will start sending packets to server..

IMPORTANT INSTRUCTIONS FOR SMS COMMANDS

1. Keep SMS delivery report ON in your mobile phone before sending SMS commands.
2. Wait for 60 sec for device response, after the SMS is delivered.
3. If there is no response from device in 60 sec then send SMS command again.
4. If SMS command is sent, then don't send next SMS command before 60 sec or device response.
5. If SMS not delivered in 60 sec, then send the command again.

OTA SMS COMMANDS

There are 3 types of commands:

1. SET Commands: To set device parameter values
2. GET Commands: To retrieve device parameter values
3. CLR Commands: To clear device parameters

Format:

SET Command: #<4 digit password>#SET:<parameter id>#<value to set>;

GET Command: #<4 digit password>#GET:<parameter id>#;

CLR Command: #<4 digit password>#CLR:<parameter id>#;

OTA SMS Commands are as below:

1	
Device Parameter	Private Server IP Port
Description	Main Server IP Port on which customer will have live tracking facility
Parameter ID	PIP
SET Command	#1234#SET:**PIP**#192.168.1.1,9001;
GET Command	NA
CLR Command	NA

2	
Device Parameter	Govt. Server IP Port
Description	Govt. Primary Server IP Port for live location data and alerts
Parameter ID	GIP
SET Command	#1234#SET:**GIP**#192.168.1.1,9001;
GET Command	#1234#GET:**GIP**#
CLR Command	#1234#CLR:**GIP**#

3	
Device Parameter	Emergency Server IP Port
Description	Govt. Emergency Server IP Port for panic alerts
Parameter ID	EIP
SET Command	#1234#SET:**EIP**#192.168.1.1,9001;
GET Command	#1234#GET:**EIP**#
CLR Command	#1234#CLR:**EIP**#

4	
Device Parameter	APN
Description	Access Point Name for SIM operator
Parameter ID	APN
SET Command	#1234#SET:**APN**#airtelgprs.com;
GET Command	#1234#GET:**APN**#
CLR Command	#1234#CLR:**APN**#

5	
Device Parameter	SOS Number
Description	Backend Control Centre Mobile Number for SMS Fallback in case of panic alerts and no GPRS connectivity
Parameter ID	SOS
SET Command	#1234#SET:**SOS**#9212499082;
GET Command	#1234#GET:**SOS**#
CLR Command	#1234#CLR:**SOS**#

6	
Device Parameter	Vehicle Registration Number
Description	Vehicle Number in which device is installed
Parameter ID	VRN
SET Command	#1234#SET:**VRN**#DL01CE9898;
GET Command	#1234#GET:**VRN**#
CLR Command	#1234#CLR:**VRN**#

7	
Device Parameter	Logs Interval 1
Description	Data rate in sec when vehicle ignition is ON
Parameter ID	LOGS
SET Command	#1234#SET:**LOGS**#20;
GET Command	#1234#GET:**LOGS**#
CLR Command	#1234#CLR:**LOGS**#

8	
Device Parameter	Logs Interval 2
Description	Data rate in sec when vehicle ignition is OFF
Parameter ID	LOG2
SET Command	#1234#SET:**LOG2**#600;
GET Command	#1234#GET:**LOG2**#
CLR Command	#1234#CLR:**LOG2**#

9	
Device Parameter	Health Packet Time Interval
Description	Data rate in sec at which health packet will be sent to server
Parameter ID	HPTI
SET Command	#1234#SET:**HPTI**#120;
GET Command	#1234#GET:**HPTI**#
CLR Command	#1234#CLR:**HPTI**#

10	
Device Parameter	Emergency Packet Time Interval
Description	Data rate in sec at which emergency packet will be sent to server
Parameter ID	EPTI
SET Command	#1234#SET:**EPTI**#60;
GET Command	#1234#GET:**EPTI**#
CLR Command	#1234#CLR:**EPTI**#

11	
Device Parameter	Emergency Mode Timeout Duration
Description	Time in sec after which emergency mode will be off automatically
Parameter ID	EMTD
SET Command	#1234#SET:**EMTD**#120;
GET Command	#1234#GET:**EMTD**#
CLR Command	#1234#CLR:**EMTD**#

12	
Device Parameter	Over Speed Limit
Description	Over speed limit in km/hr
Parameter ID	OSL
SET Command	#1234#SET:**OSL**#90;
GET Command	#1234#GET:**OSL**#
CLR Command	#1234#CLR:**OSL**#

13	
Device Parameter	Harsh Acceleration Limit
Description	Threshold for harsh acceleration in g
Parameter ID	HAL
SET Command	#1234#SET:**HAL**#20;
GET Command	#1234#GET:**HAL**#
CLR Command	#1234#CLR:**HAL**#

14	
Device Parameter	Harsh Breaking Limit
Description	Threshold for harsh breaking in g
Parameter ID	HBL
SET Command	#1234#SET:**HBL**#20;
GET Command	#1234#GET:**HBL**#
CLR Command	#1234#CLR:**HBL**#

15	
Device Parameter	Rash Turn Limit
Description	Threshold for rash turn in km/hr
Parameter ID	RTL
SET Command	#1234#SET:**RTL**#30;
GET Command	#1234#GET:**RTL**#
CLR Command	#1234#CLR:**RTL**#

16	
Device Parameter	IMEI
Description	To get device IMEI number
Parameter ID	IMEI
SET Command	NA
GET Command	#1234#GET:**IMEI**#
CLR Command	NA

17	
Device Parameter	Immobilize ON
Description	To Immobilize vehicle engine (Relay at digital output 1 will be ON)
Parameter ID	IMON
Command	#1234#**IMON**#

18	
Device Parameter	Immobilize OFF
Description	To mobilize vehicle engine (Relay at digital output 1 will be OFF)
Parameter ID	IMOF
Command	#1234#**IMOF**#

19	
Device Parameter	Relay 2 ON
Description	To turn ON Relay at digital output 2
Parameter ID	R2ON
Command	#1234#**R2ON**#

20	
Device Parameter	Relay 2 OFF
Description	To turn OFF Relay at digital output 2
Parameter ID	R2OF
Command	#1234#**R2OF**#

21	
Device Parameter	Restart Device
Description	To restart device
Parameter ID	RST
Command	#1234#**RST**#0; (To restart normally) #1234#**RST**#1; (To erase all logs and restart)

22	
Device Parameter	Other Parameters
Description	Some useful device parameters
Parameter ID	PAR
Command	#1234#**PAR**#

23	
Device Parameter	Device Settings
Description	To get current settings
Parameter ID	GCS
Command	#1234#**GCS**#