

## PS140 User Manual v1.0

### INDEX

1. DEVICE INITIALIZATION .....	2
2. IMPORTANT INSTRUCTIONS FOR SMS COMMANDS .....	2
3. OTA SMS COMMANDS .....	3

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

<b>16</b>	
<b>Device Parameter</b>	IMEI
<b>Description</b>	To get device IMEI number
<b>Parameter ID</b>	IMEI
<b>SET Command</b>	NA
<b>GET Command</b>	#1234#GET:IMEI#
<b>CLR Command</b>	NA

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

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

<b>19</b>	
<b>Device Parameter</b>	Relay 2 ON
<b>Description</b>	To turn ON Relay at digital output 2
<b>Parameter ID</b>	R2ON
<b>Command</b>	#1234# <b>R2ON</b> #

<b>20</b>	
<b>Device Parameter</b>	Relay 2 OFF
<b>Description</b>	To turn OFF Relay at digital output 2
<b>Parameter ID</b>	R2OF
<b>Command</b>	#1234# <b>R2OF</b> #

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

<b>22</b>	
<b>Device Parameter</b>	Other Parameters
<b>Description</b>	Some useful device parameters
<b>Parameter ID</b>	PAR
<b>Command</b>	#1234#PAR#

<b>23</b>	
<b>Device Parameter</b>	Device Settings
<b>Description</b>	To get current settings
<b>Parameter ID</b>	GCS
<b>Command</b>	#1234#GCS#