SMS Control Command Reference

Feb 2019

Summary

SMS Control allows the user to control the device using SMS even if the modem does not have a data connection.

Supported Models
- **Balance/MAX**
  *-LTE-E
  *-LTEA-W
  *-LTEA-P
  *-LTE-MX

- **EPX**
  -LW
  -LP

Please aware of the following items before you activate this service.
1. Make sure your mobile service plan supports SMS functionality.
2. Depending on your mobile service plan, SMS may incur additional charges from your service provider.
3. SMS is not a guaranteed delivery protocol.
4. SMS is not an encrypted protocol.
5. SMS message sending and receiving can experience highly variable response time and sometimes have extended delays.

Configuration

To setup SMS Control, please go to System -> SMS Control.

1. Click the "Enable" checkbox to activate the service
2. Set the password - maximum of 32 characters, which cannot include semicolon(;)
3. You can optionally add phone number(s) to the whitelist. Only matching phone numbers are allowed to issue SMS commands. Phone number must be in E.164 International Phone Numbers format.
4. Click "Save" button and "Apply Changes" for activation.

Command Overview

SMS Command	Description
help	Retrieves the supported command list.
reboot	Reboot device
cellreset	Reboot the cellular module
apn	Set the APN for particular cellular and SIM slot
userpass	Set the carrier username and password

Command Details:

Basic syntax is <password>;<command>;[Parameter1;][Parameter2;]...
Semicolon (;) is used as delimiter to separate each argument.

Common parameters:

Parameter	Description
<password>	Password for authentication. Must be matching with Password defined in SMS Control page
<cellX>	Cellular number. X is an integer, which is greater than zero.
<simY>	SIM slot. Y is character 'A' or 'B' representing SIM A or SIM B respectively. (Y is case insensitive)

Command: help
Syntax: <password>;help;
Description: Sender will retrieve the SMS Control supported command list
Sample usage: 1234;help;
Sample SMS reply:

```
Syntax:
<password>;<cmd>;[arg1;][arg2;]...
Supported Commands:
reboot
...
```

Command: reboot
Syntax: <password>;reboot;
Description: Reboot device
Sample usage: 1234;reboot;
Sample SMS reply:

```
Device reboot command received.
```

Command: cellreset
Syntax: <password>;cellreset;<cellX>;
Description: Reset the particular cellular
Sample usage: 1234;cellreset;cell1;
Sample SMS reply:

> Cellular 1 reset command received.

Command: apn
Syntax: <password>;apn;<apn>;<cellX>;<simY>;
Description: Set the APN for particular cellular and SIM slot
Sample usage: 1234;apn;public;cell2;simb;
Sample SMS reply:

> Cellular 2 SIM B, APN update command received.

Command: userpass
Syntax: <password>;userpass;<username>;<password>;<cellX>;<simY>;
Description: Set the carrier username and password
Sample usage: 1234;userpass;hello;pwd;cell1;sima;
Sample SMS reply:

> Cellular 1 SIM A, username password update command received.

Error Handling:

The following messages are returned for the following errors:

Error	Description
Invalid Arguments	The received SMS command cannot parse or the arguments are incorrect.
Invalid Parameters	Input parameter such as cellular, SIM slot is invalid.
Unsupported Command	The command is not valid