

SMS Control Command Reference

Sep 2025

Version 1.8

Changelog

Version	Changes
1.7	Added SMS control support for BYO eSIM settings, including APN, username, and password
1.8	Support model *-GLTE-S

Summary

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

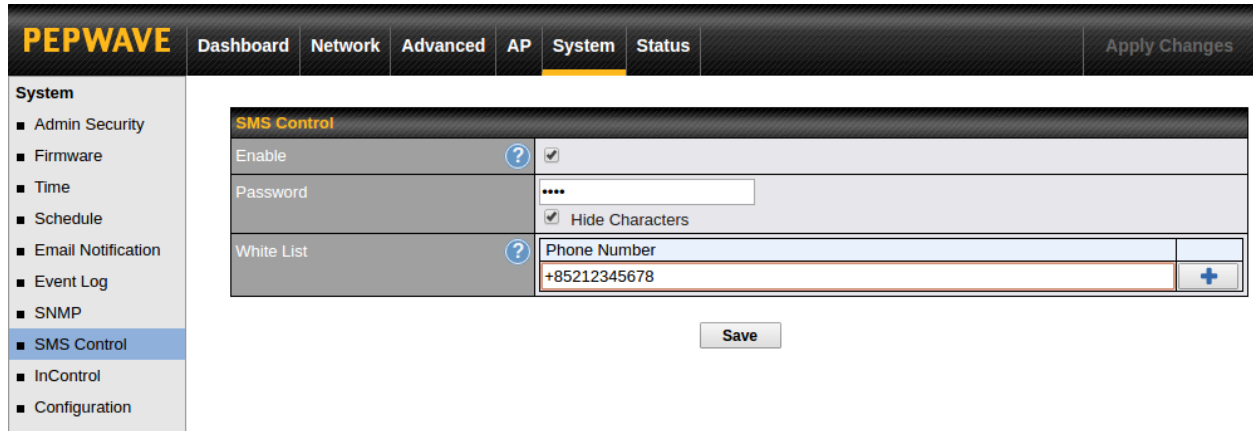
Supported Models

- **Balance/MAX**
 - *-LTE-E
 - *-LTE-EJ
 - *-LTE-MX
 - *-LTEA-B
 - *-LTEA-P
 - *-LTEA-Q
 - *-LTEA-R
 - *-LTEA-US
 - *-LTEA-W
 - *-5GD
 - *-5GH
 - *-5GN
 - *-GLTE-S
- **EPX**
 - *-LP*
 - *-LW*

Please be aware of the following items before you activate this service:

1. Make sure that your mobile service plan supports SMS functionality.
2. Depending on your mobile service plan, using 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. The sending and receiving of SMS messages can experience highly variable response times and can sometimes have extended delays.

Configuration



The screenshot shows the PEPWAVE configuration interface. The top navigation bar includes tabs for Dashboard, Network, Advanced, AP, System (selected), and Status. An 'Apply Changes' button is on the right. The left sidebar lists System settings: Admin Security, Firmware, Time, Schedule, Email Notification, Event Log, SNMP, SMS Control (selected), InControl, and Configuration. The main content area is titled 'SMS Control' and contains the following fields:

- Enable:** A checkbox that is checked, with a help icon (?) to its left.
- Password:** A text input field containing four asterisks (****), with a 'Hide Characters' checkbox checked below it.
- White List:** A table with a header 'Phone Number' and a single entry '+85212345678'. A help icon (?) is to the left of the table, and a '+' button is to the right of the entry.

A 'Save' button is located below the White List table.

To set up SMS Control, go to System → SMS Control.

1. Click the “Enable” checkbox to enable the service.
2. Set the password - up to a maximum of 32 characters, that may not include semicolons (;).
3. You can optionally add phone number(s) to the whitelist. Only matching phone numbers are allowed to issue SMS commands. Phone numbers must be in the E.164 International Phone Numbers format.
4. Click the “Save” button and the “Apply Changes” to save the changes and to activate the service.

Command Overview

SMS Command	Description
help	Retrieves the list of supported commands.
reboot	Reboots the device.
cellreset	Reboots the cellular module.
apn	Set the APN for a particular cellular and SIM slot.
userpass	Set the carrier's username and password.
gpio_output	Control the digital output of the GPIO.
factory_restore	Factory restore the device.

Command Details

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

Common parameters:

Parameter	Description
<password>	Password for authentication. Must match with the password defined on the SMS Control page.
<cellX>	Cellular slot number. X is an integer greater than zero.
<sim slot>	SIM slot. sima / simb / byoesima / byoesimb representing SIM A, SIM B, BYO eSIM A or BYO eSIM B respectively (not case sensitive).

Command: help

Syntax: <password>;help;

Description: The sender will retrieve the list of SMS Control commands

Sample usage: 1234;help;

Sample SMS reply:

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

Command: reboot

Syntax: <password>;reboot;

Description: Reboots the device

Sample usage: 1234;reboot;

Sample SMS reply:

Device reboot command received.

Command: cellreset

Syntax: <password>;cellreset;<cellX>;

Description: Resets the particular cellular

Sample usage: 1234;cellreset;cell1;

Sample SMS reply:

Cellular 1 reset command received.

Command: apn

Syntax: <password>;apn;<apn>;<cellX>;<sim slot>;

Description: Sets the APN for a particular cellular and SIM slot

SIM Slot: sima / simb / byoesima / byoesimb

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>;<sim slot>;

Description: Sets the carrier's username and password

SIM slot: sima / simb / byoesima / byoesimb

Sample usage: 1234;userpass;hello;pwd;cell1;byoesima;

Sample SMS reply:

Cellular 1 BYO eSIM A, username password update command received.

Command: gpio_output

Syntax: <password>;gpio_output;2;<mode>;

Description: Controls the digital output of the GPIO

Mode: toggle_high / toggle_low / wan_status

Sample usage:

1234;gpio_output;2;toggle_high;

1234;gpio_output;2;toggle_low;

1234;gpio_output;2;wan_status;

Sample SMS reply:

GPIO output command received.

Notes:

*This feature requires the model with GPIO digital output support

Command: factory_restore

Syntax: <password>;factory_restore;

Description: Factory restore the device

Sample usage: 1234;factory_restore;

Sample SMS reply:

Device factory restore command received.

Notes:

*User MUST be aware that the SMS Control option will be disabled (back to default factory settings) after this command execution.

Error Handling

The following messages are returned for the following errors:

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