



How to Configure SMS Control

F-Series Firewalls equipped with the Barracuda 3G USB modem can execute maintenance tasks and custom scripts triggered remotely via SMS. Administrators can also receive certain status information of a Barracuda NextGen Firewall F-Series via SMS. Access control lists for specific phone numbers and password restrictions allow granular security policies for administrators.

Step 1. Enable Active GSM Channel

1. Go to **CONFIGURATION > Full Configuration > Box > Network**.
2. In the left menu, select **Wireless WAN**.
3. Expand **Configuration Mode** and click **Switch to Advanced View**.
4. In the **Connection Details** section, set **Active GSM Channel** to **Yes**.
5. Click **Send Changes** and **Activate**.

Step 2. Configure SMS Control

Before configuring the SMS Control feature, make sure the Barracuda NextGen Firewall F-Series is equipped with the Barracuda 3G USB modem. See [How to Configure an ISP using a WWAN Modem](#).

1. Go to **CONFIGURATION > Full Configuration > Box > Administrative Settings**.
2. In the left menu, select **SMS Control**.
3. Expand **Configuration Mode** and click **Switch to Advanced View**.
4. In the **SMS Control Settings** section, enable **Remote Control via SMS**.

In case of reception problems, use the **SMS Storage Location** field to override the SMS modem specific defaults. Allowed values are 'SM' (SIM Card Memory) and 'ME' (Mobile Equipment Memory).

5. In the **Allowed Phone Numbers** table, add the phone numbers from which SMS control is allowed. Include country prefixes, omitting the leading zeros and plus sign.
6. The **Successive Command Maximum** field specifies the maximum number of successive commands to be accepted (default: 8). When this limit is reached, the counter must be reset in **Control > Box > Reset SMS Counter**.
7. In the **Command Codes** section, specify the password for each SMS command. Each password must start with a lower-case letter. No special characters are allowed.
8. In the **Custom Script** table, you can enter a custom bash script to be executed via SMS. Begin the script with: `#!/bin/bash` and specify the password in the **Execute Custom Script** section.
9. Click **Send Changes** and **Activate**.

SMS Control Commands

Task	Description/Command
Reboot	Reboots the system. Send: reboot
Restart	Restarts the subsystem. Send: restart
Reconnect Network	Restarts the network subsystem. Send: reconnect



- Rebuild Mgmt Tunnel Restarts the management VPN tunnel. Send: `rebuild`
- Send Status Message Gets status information for the system (model, serial number, temperature, free RAM, load average, dynamic links status). Send: `status`
- Execute Custom Script Executes a custom bash script that is defined in the **Custom Script** table. Send: `custom`

SMS Event Notifications

The following events are associated with SMS control:

Event	Description
[135]Resource Limit Pending	Less than 50 % of the maximum command value remains.
[136]Resource Limit Exceeded	The maximum command counter has been reached or has been exceeded.
[4111]Authentication Failure Warning	The ACL does not match.
[4112]Authentication Failure Alert	Password authentication failure and/or unsuccessful command match.
[4126]Remote Command Execution Alert	Successful authentication and command is accepted.

