

GWR SMS Remote Control Documentation

SMS remote control feature allows users to execute a short list of predefined commands by sending SMS messages to the router. GWR router series implement following predefined commands:

1. In order to establish PPP connection, user should send SMS containing following string
:PPP-CONNECT
After the command is executed, router sends a confirmation SMS with "OK" if the command is executed without errors or "ERROR" if something went wrong during the execution of the command.
2. In order to disconnect the router from PPP, user should send SMS containing following string
:PPP-DISCONNECT
After the command is executed, router sends a confirmation SMS with "OK" if the command is executed without errors or "ERROR" if something went wrong during the execution of the command.
3. In order to reestablish (reconnect the router) the PPP connection, user should send SMS containing following string
:PPP-RECONNECT
After the command is executed, router sends a confirmation SMS with "OK" if the command is executed without errors or "ERROR" if something went wrong during the execution of the command.
4. In order to obtain the current router status, user should send SMS containing following string
:PPP-STATUS
After the command is executed, router sends one of the following status reports to the user:
 - **CONNECTING**
 - **CONNECTED, WAN_IP: {WAN IP address or the router}**
 - **DISCONNECTING**
 - **DISCONNECTED**

Remote control configuration page is presented on the following figure. In order to use this feature, user must enable the SMS remote control and specify the list of SIM card numbers that will be used for SMS remote control. The SIM card number should be entered in the following format: {Country Code}{Mobile Operator Prefix}{Phone Number} (for example **+38164111222**).

As presented on the figure 1. configuration should be performed for separately for both SIM cards. After the configuration is entered, user must click on SAVE button in order to save the configuration.

The screenshot displays the 'Short Message Service' configuration page in the Geneko GWR Router Configuration Console. The interface is divided into a left sidebar and a main content area. The sidebar contains a navigation menu with categories: Status (General, Network Information, WAN Information), Settings (Network, DHCP Server, WAN Settings, Routing, Dynamic Routing Protocol, RIP), VPN Settings (GRE, P2P, OpenVPN), IP Filtering, DynDNS, Serial Port, SMS, Maintenance (Device Identity Settings, Administrator Password, Date/Time Settings, Diagnostics, Update Firmware, Settings Backup, Default Settings, Reboot), and Management (Command Line Interface, Remote Management, Connection Manager, SNMP, Logs). The main content area is titled 'Short Message Service' and contains two side-by-side configuration panels for 'SIM1 Settings' and 'SIM2 Settings'. Each panel includes a checkbox for 'Enable Remote Control' and five input fields for 'Service Number', 'Phone Number 1', 'Phone Number 2', 'Phone Number 3', 'Phone Number 4', and 'Phone Number 5'. At the bottom right of the main content area, there are 'Reload' and 'Save' buttons. A copyright notice at the bottom center reads: 'Copyright © 2008 Geneko. All rights reserved. <http://www.geneko.rs/>'.

Figure 1 – SMS remote control configuration