

Roaming Guard Pro

Installation and User Manual
Version 1.03



Effective protection against the high costs of mobile data connections,
locally and abroad

For mobile phones with Symbian S60 operating systems,
3rd and 5th Edition



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1. Basic Features and Benefits

Mobile solution Roaming Guard Pro is designed for companies which wish to control fees for internet access and mobile communication for their employees.

Effective Service

The use of mobile data connections is more and more common nowadays. Smartphone users need them to receive and send e-mails, use their company data and documents, navigation and other applications and uses. It is no surprise that they want to use these services abroad as well, but fail to realize that mobile phone operators, despite legal limits, provide such services at substantially higher prices. Upon a return home and review of the bill for use of their mobile telephone communications, an unpleasant surprise usually awaits.

But even local users are not protected from the high costs of data connectivity, unless they use one of the available data price rates. As of July 1, 2010, operators provide new limits on downloaded data. Nonetheless, these costs still amount to several hundred euro. Based on customer demand, as well as our own experience, we made a company decision to help all users wanting to protect themselves from the unexpected cost of mobile data connection. We prepared a user-friendly service, called Roaming Guard Pro, that controls data connection and enables administrators to regulate access to those connections remotely in individual mobile devices.

Simple and Effective

Roaming Guard Pro is a solution controls data connection to operator networks directly in the phone and sets it remotely through SMS generated at an administrator console. An application is installed in the mobile phone that effectively enables and disables access to data connections according to settings and the presence of the home network. When transferring from a home network to roaming, the application partly (or fully) limits data connections. In the home network, the application authorizes all connections, entirely disabling or enabling specific applications according to an administrator's or user's choice. The application runs in the background of the mobile phone, with optimized minimal energy use.

Intuitive Control

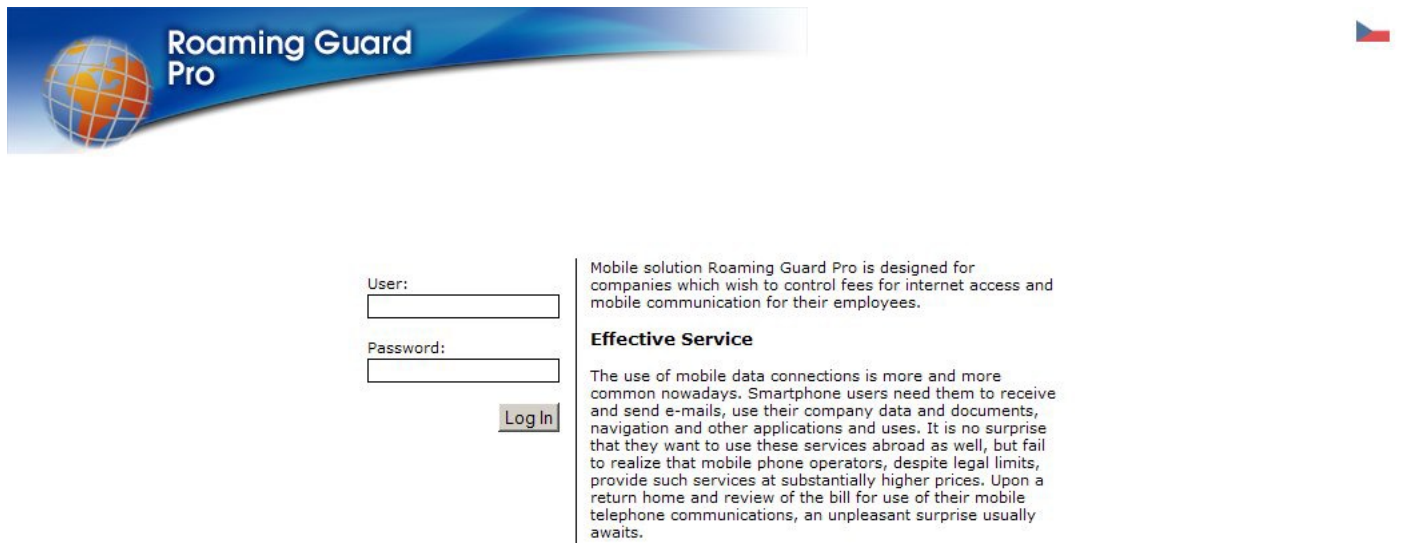
Using a web-based console, administrators oversee all mobile phones they maintain within the company and are able to remotely change settings for individual groups of applications. The actual settings are transferred to individual phones by SMS, sent automatically from the administration interface. The administrator it is able to prevent users from overriding these changes. The individual limitations for access ([Always allowed](#), [Disabled while roaming](#), or [Always disabled](#)) are conveniently color coded in the application menu for quick and easy orientation.

Quick Implementation

Roaming Guard Pro can be installed though an SMS, with a link from which the user downloads and installs setup files into the phone. Installation is also available through Nokia PC Suite or sending via Bluetooth or IrDa, as well as through remote tools for mobile device management.

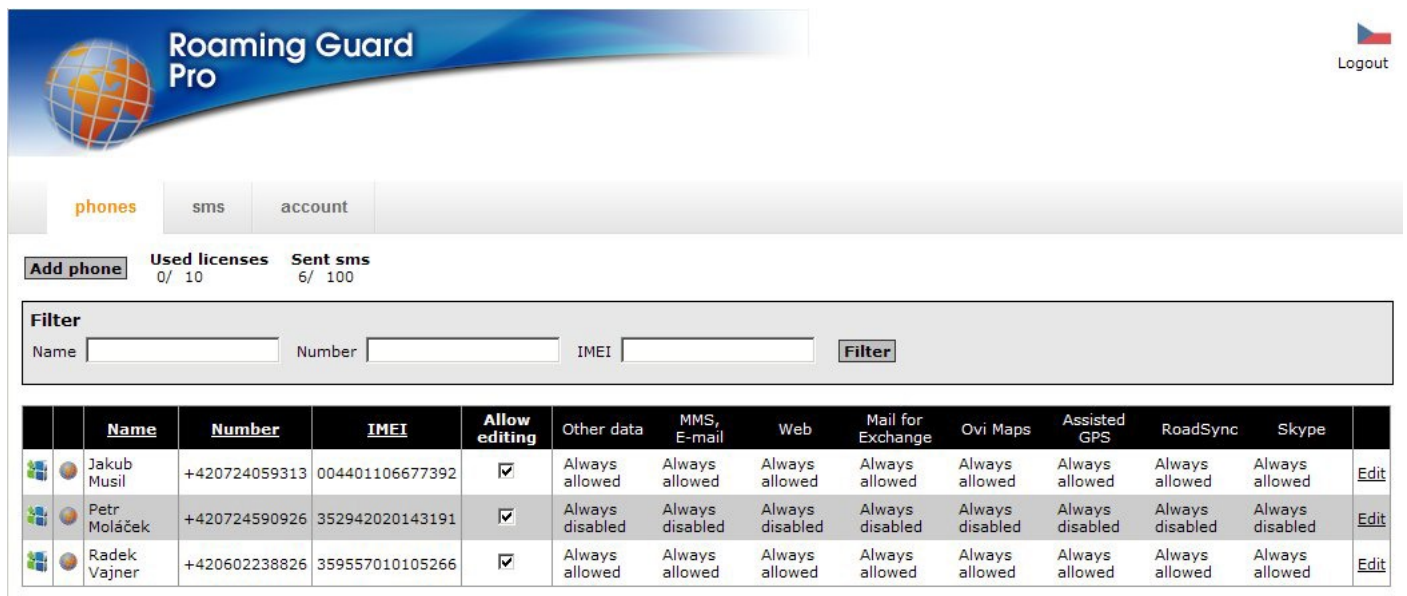
2. Administrative Login

The entry point to the system is the home page located at <https://www.roamingguard.com/pro/>. An administrator enters their username and password (received from the system administrator).



The login page features a blue header with the 'Roaming Guard Pro' logo and a small Czech flag. Below the header, there are two input fields for 'User:' and 'Password:', followed by a 'Log In' button. To the right of the login fields, there is a section titled 'Effective Service' with a paragraph of text explaining the system's purpose: 'Mobile solution Roaming Guard Pro is designed for companies which wish to control fees for internet access and mobile communication for their employees. The use of mobile data connections is more and more common nowadays. Smartphone users need them to receive and send e-mails, use their company data and documents, navigation and other applications and uses. It is no surprise that they want to use these services abroad as well, but fail to realize that mobile phone operators, despite legal limits, provide such services at substantially higher prices. Upon a return home and review of the bill for use of their mobile telephone communications, an unpleasant surprise usually awaits.'

Upon entering the username and password, a screen appears, showing a list of maintained phones, as well as options to add a phone and information about the number of sent SMSes and used licenses. In the upper menu are tabs for [Phones](#), [SMS](#) and [Account](#). The [SMS](#) tab provides an overview of all sent SMS messages and the [Account](#) tab contains user information.



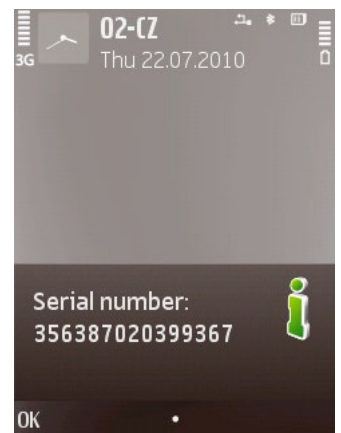
The dashboard has a blue header with the 'Roaming Guard Pro' logo and a 'Logout' button. Below the header, there are three tabs: 'phones', 'sms', and 'account'. The 'phones' tab is active. Below the tabs, there is a summary section showing 'Add phone' button, 'Used licenses 0/ 10', and 'Sent sms 6/ 100'. Below this is a 'Filter' section with input fields for 'Name', 'Number', and 'IMEI', and a 'Filter' button. At the bottom, there is a table with columns: Name, Number, IMEI, Allow editing, Other data, MMS, E-mail, Web, Mail for Exchange, Ovi Maps, Assisted GPS, RoadSync, Skype, and Edit.

	Name	Number	IMEI	Allow editing	Other data	MMS, E-mail	Web	Mail for Exchange	Ovi Maps	Assisted GPS	RoadSync	Skype	Edit
	Jakub Musil	+420724059313	004401106677392	<input checked="" type="checkbox"/>	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Edit
	Petr Moláček	+420724590926	352942020143191	<input checked="" type="checkbox"/>	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Edit
	Radek Vajner	+420602238826	359557010105266	<input checked="" type="checkbox"/>	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Edit

3. Adding a Telephone

A telephone may be easily added by clicking the **Add phone** button. In the **Name** field, enter the name of the user, in the **Number** field, the number of the maintained telephone in its international format with appropriate home country code prefix (in the Czech republic +420xxxxxxxx or 00420xxxxxxxx). Finally, in **IMEI**, enter the international serial number of the phone, located by pressing ***#06#** on the phone keyboard. After clicking the **OK** button, the phone is added to the list.

The screenshot shows the 'Roaming Guard Pro' web interface. At the top, there is a navigation bar with 'phones', 'sms', and 'account' tabs. Below this, the 'Add phone' section contains three input fields: 'Name', 'Number', and 'IMEI'. At the bottom of this section are 'Ok' and 'Cancel' buttons.



4. Mobile Application Download

After adding the telephone, that specific mobile device appears among a list of maintained phones. To the left of each record is an icon for sending SMS, with a link to the application download.

The screenshot shows the 'phones' tab in the Roaming Guard Pro interface. At the top, there are navigation tabs for 'phones', 'sms', and 'account'. Below these, there are statistics: 'Add phone', 'Used licenses 0/ 10', and 'Sent sms 6/ 100'. A filter section allows searching by Name, Number, or IMEI. The main part of the interface is a table listing three mobile devices with their respective permissions for various services.

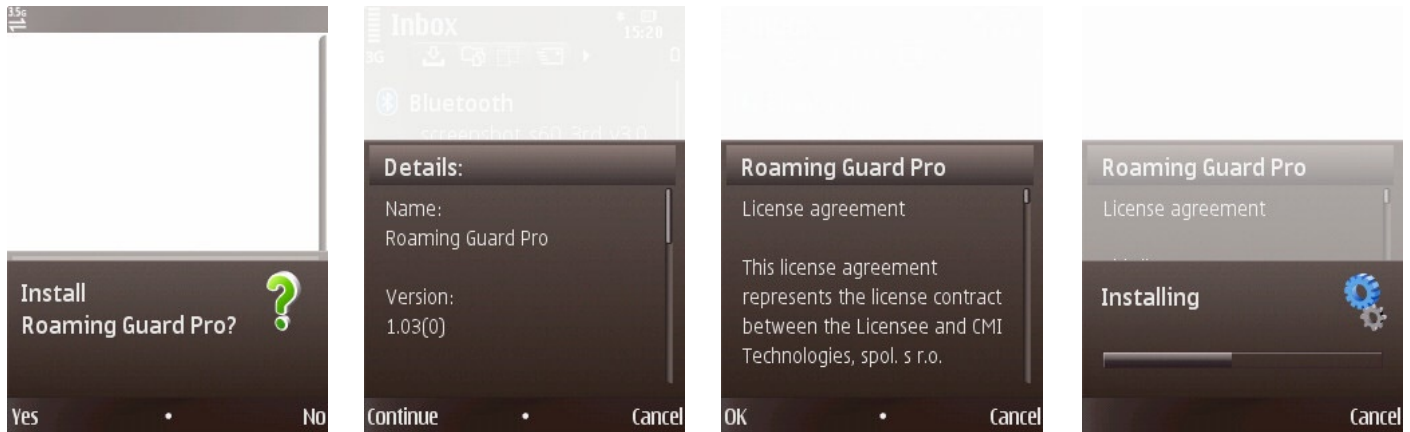
	Name	Number	IMEI	Allow editing	Other data	MMS, E-mail	Web	Mail for Exchange	Ovi Maps	Assisted GPS	RoadSync	Skype	
	Jakub Musil	+420724059313	004401106677392	<input checked="" type="checkbox"/>	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Edit
	Send download link mbracek	+420724590926	352942020143191	<input checked="" type="checkbox"/>	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Edit
	Radek Vajner	+420602238826	359557010105266	<input checked="" type="checkbox"/>	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Edit

After clicking the icon, an SMS with the link to the application download is sent. Once downloaded, it may be installed on the telephone.

5. Mobile Application Installation

Roaming Guard Pro may be installed through an SMS, by a link from which the user can download the installation file, through Nokia PC Suite, sending via Bluetooth or IrDa, or remotely, using mobile device management tools.

During actual installation, follow the quick and easy instructions displayed on the phone.



After successful installation, the application appears (depending on phone type) in the main application menu, or in the folders [Installations](#) or [My Own](#). The application is represented by the Roaming Guard icon. The application is turned on by clicking its icon.

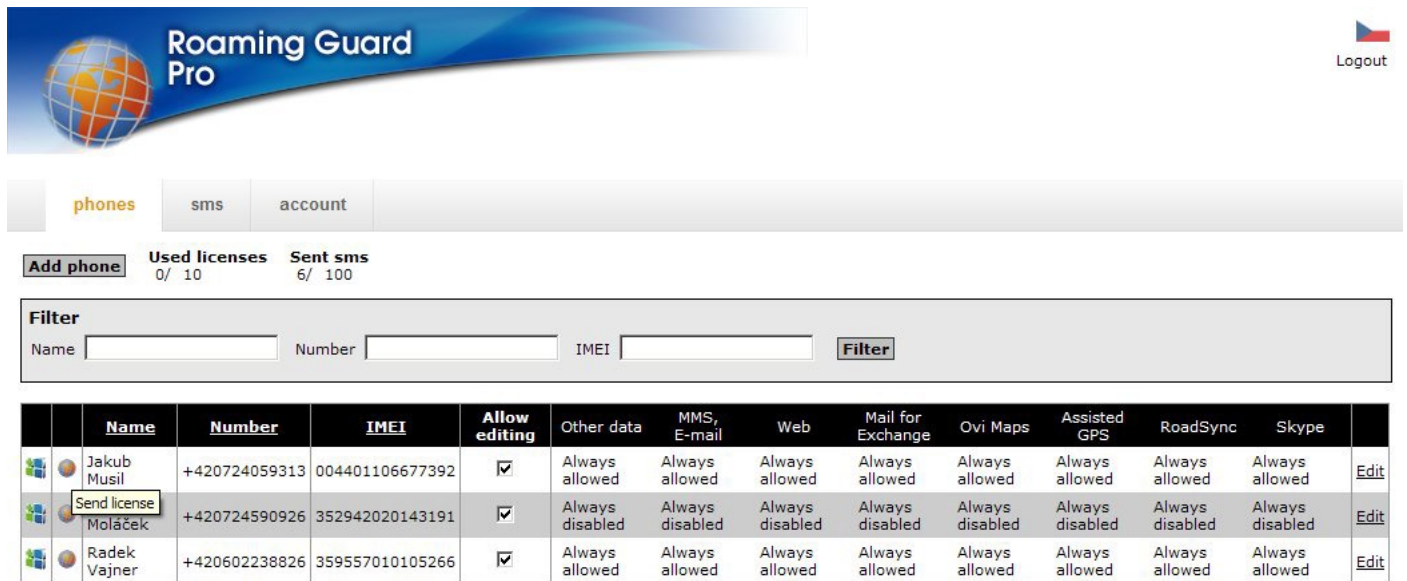
After installation and prior to sending settings from the administrative console, the application does not influence the phone's operation or limit its data connections. The application is functional for 30 days without activation.

If uninstalling, all settings and saved data are deleted. When updating the application or installing a new version, all settings and data remain saved. Prior to installing Roaming Guard Pro, the trial version of Roaming Guard eX must be uninstalled.



6. Mobile Application Activation

To the left of each record among the list of maintained telephones, is an icon for sending the activation key.



The screenshot shows the 'Roaming Guard Pro' web interface. At the top, there is a navigation bar with 'phones', 'sms', and 'account' tabs. Below this, there are statistics for 'Used licenses' (0/10) and 'Sent sms' (6/100). A filter section allows searching by Name, Number, or IMEI. The main content is a table of phone records with columns for Name, Number, IMEI, Allow editing, and various application settings.

	Name	Number	IMEI	Allow editing	Other data	MMS, E-mail	Web	Mail for Exchange	Ovi Maps	Assisted GPS	RoadSync	Skype	
	Jakub Musil	+420724059313	004401106677392	<input checked="" type="checkbox"/>	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Edit
	Moláček	+420724590926	352942020143191	<input checked="" type="checkbox"/>	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Edit
	Radek Vajner	+420602238826	359557010105266	<input checked="" type="checkbox"/>	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Edit

After clicking the icon, the activation key used for the specific application is sent to the phone. The activation key may only be sent after license purchase.

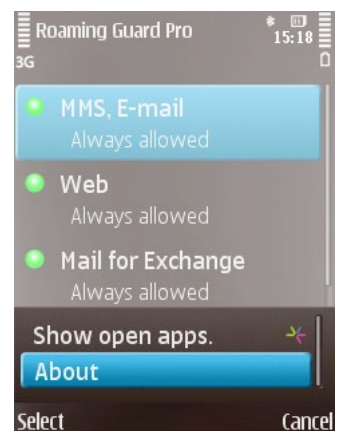
Prior to sending the activation key, the application must be both installed and turned on in the mobile device.

7. Controlling the Mobile Application

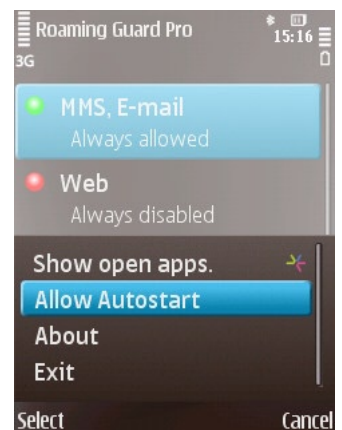
Once the application is turned on, just as during each new access to a running application, a list appears from which access to data connections can be managed. Generally, they include the following applications; [MMS](#), [E-mail](#), [Web](#), [Mail for Exchange](#), [RoadSync](#), [Skype](#), [Ovi Maps](#), [Assisted GPS](#) and [Other Data](#). [Mail for Exchange](#), [RoadSync](#), [Skype](#), [Ovi Maps](#) and [Assisted GPS](#) are only listed when these applications are actually installed. Access limitation settings for data connections are shown by an icon and the appropriate text for each item – [Always allowed](#), [Disabled while roaming](#), or [Always disabled](#).



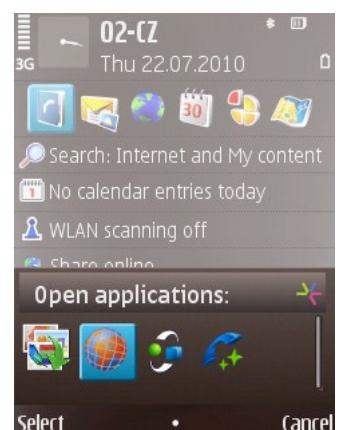
Should an administrator restrict a user from changing access limitations, that user is prevented from changing access settings, turning off the application, or disabling [Autostart](#) once the phone is turned on.



If administrators choose to enable users (through administration console) to change access limitations, such users may change access settings for items shown individually, disable or enable [Autostart](#) and end the application activity. A change of settings is accomplished by pressing the joystick for a selected item or by directly clicking on the item. Application activity is terminated by selecting [Exit](#) from the main menu [Options](#).



To leave the application, select [Hide](#) or use the red [End](#) button. The application is not actually terminated, but works in the background. To verify application activities in background, long press the [Home](#) key, at which point a list of running applications appears.



8. Data Connection Control Status

Always allowed – the status is shown by a green icon and the data connection may be used without limitation, as it is enabled both in the local network and roaming.

Disabled while roaming – the status is identified by an orange icon, the data connection is enabled only in local network and roaming is disabled.

Always disabled – the status is shown by a red icon, the data connection is disabled both in the local network and roaming.



9. Administrative Setting the Telephone

The administration console clearly displays registered users and the settings of their phones. Each entry shows the user's name, telephone number, IMEI and settings for individual groups of data connections. Changes cannot be made in this display mode. The editing display can be set by clicking on the [Edit](#) link, located to the right side of each record's line.

The screenshot shows the 'phones' tab in the Roaming Guard Pro interface. At the top, there are navigation tabs for 'phones', 'sms', and 'account'. Below these, there are statistics: 'Add phone', 'Used licenses 0/ 10', and 'Sent sms 6/ 100'. A filter section allows searching by Name, Number, and IMEI. The main table lists three users: Jakub Musil, Petr Moláček, and Radek Vajner. Each user's settings for various services (Other data, MMS, Web, Mail for Exchange, Ovi Maps, Assisted GPS, RoadSync, Skype) are shown as either 'Always allowed' or 'Always disabled'. An 'Allow editing' checkbox is checked for all users, and an 'Edit' link is present at the end of each row.

	Name	Number	IMEI	Allow editing	Other data	MMS, E-mail	Web	Mail for Exchange	Ovi Maps	Assisted GPS	RoadSync	Skype	
	Jakub Musil	+420724059313	004401106677392	<input checked="" type="checkbox"/>	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Edit
	Petr Moláček	+420724590926	352942020143191	<input checked="" type="checkbox"/>	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Always disabled	Edit
	Radek Vajner	+420602238826	359557010105266	<input checked="" type="checkbox"/>	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Always allowed	Edit

After clicking the [Edit](#) option, the line color changes to red and, at this moment, it becomes possible to change desired settings in the drop-down menu or through the tick box Enable for enabling or disabling users from making changes in the telephone settings. Settings are activated by clicking the [Save](#) link and the change should appear on the mobile phone within approximately one minute. The change of settings in the phone is acoustically announced by a short tone. The [Cancel](#) link does not confirm changes and the settings remain unchanged.

This screenshot shows the 'Edit' mode for the user 'Jakub Musil'. The row is highlighted in red. The 'Allow editing' checkbox is checked. The 'Other data' column now contains a dropdown menu with three options: 'Always allowed', 'Disabled while roaming', and 'Always disabled'. The 'MMS, E-mail' and 'Web' columns also have dropdown menus. The 'Save' link is visible at the end of the row.

	Name	Number	IMEI	Allow editing	Other data	MMS, E-mail	Web	
	Jakub Musil	+420724059313	004401106677392	<input checked="" type="checkbox"/>	Always allowed	Always allowed	Always allowed	Save
	Petr Moláček	+420724590926	352942020143191	<input checked="" type="checkbox"/>	Always disabled	Always disabled	Always disabled	Always disabled
	Radek Vajner	+420602238826	359557010105266	<input checked="" type="checkbox"/>	Always allowed	Always allowed	Always allowed	Always allowed

10. Important Warnings

When installing the application, carefully read the License Conditions.

The application does not in any way affect, enable or deny, a computer data connection when the phone acts as a modem.