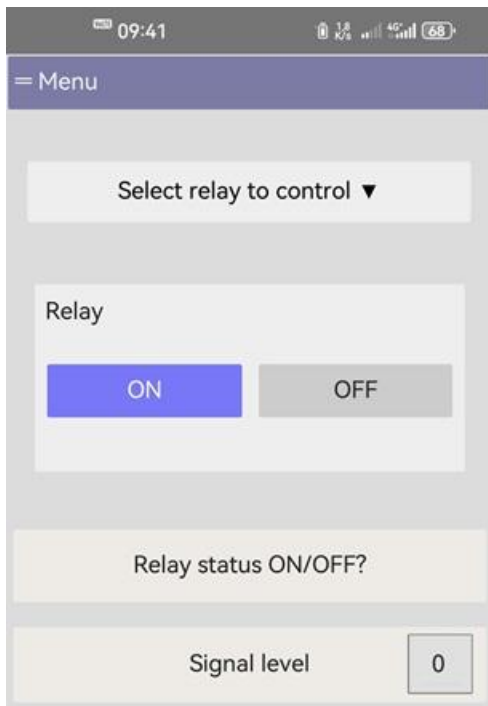


SOFTWARE USER MANUAL: Relay_G202

The Relay_G202 software is designed to run on Android devices. The application supports independent control of 20 G202 relays. You can send relay control commands via either SMS or phone call. This depends on the relay settings you specify in the application, as well as the SIM card tariff plan in the device. You can choose to switch the relay to a fixed state using the "ON" command and turn it off using the "OFF" command. Alternatively, you can activate the relay for a specified number of seconds, after which the relay will turn off automatically.

Main Screen



" = Menu " — opens the main menu of the application.

"Select relay to control ▼" — opens the list of programmed relays. The name of the relay selected from the list above for control purposes.

"ON" — the button/command to turn on the selected relay.

"OFF" — the button/command to turn off the selected relay.

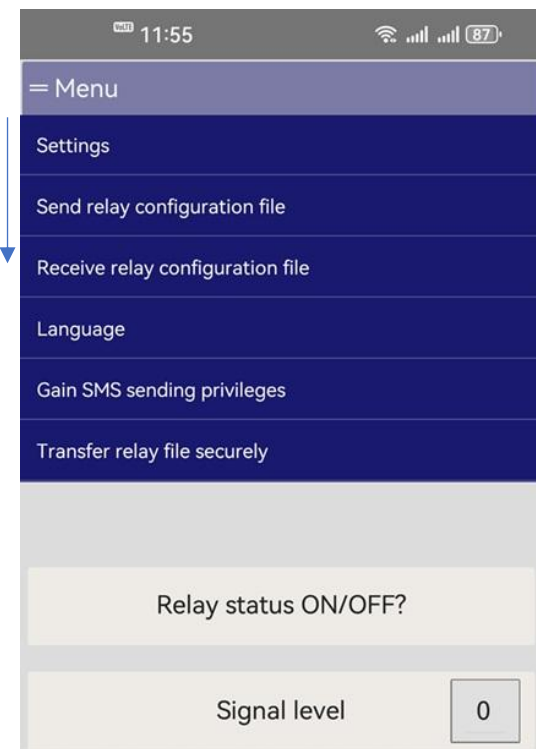
"Relay status ON/OFF?" — the button/command to request information about the relay status.

If the relay is configured to turn on for a specific duration, the following label will be displayed above the button:

'Timer operation mode';

if the relay is configured for fixed on/off operation, the following label will be displayed above the button: **'Fixed operation mode';**

"Signal Level" — the command to request information about the device's GSM signal level. Once the reply SMS is received, the signal level value will appear in the information window.



In the drop-down menu:

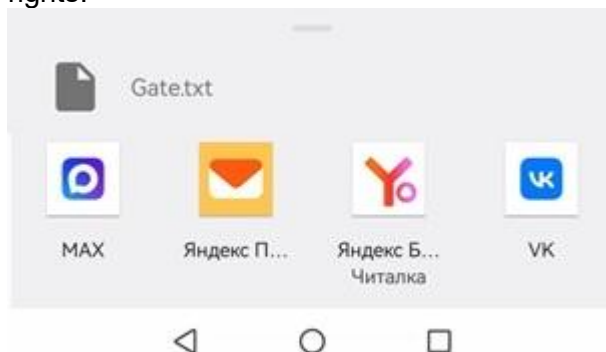
"Settings" — opens the settings window for all relays.

"Share relay configuration file" — this command opens a dialog to share the configuration file of the currently selected relay via messengers or email applications installed on your device. The file will be shared under the name assigned to this specific relay.

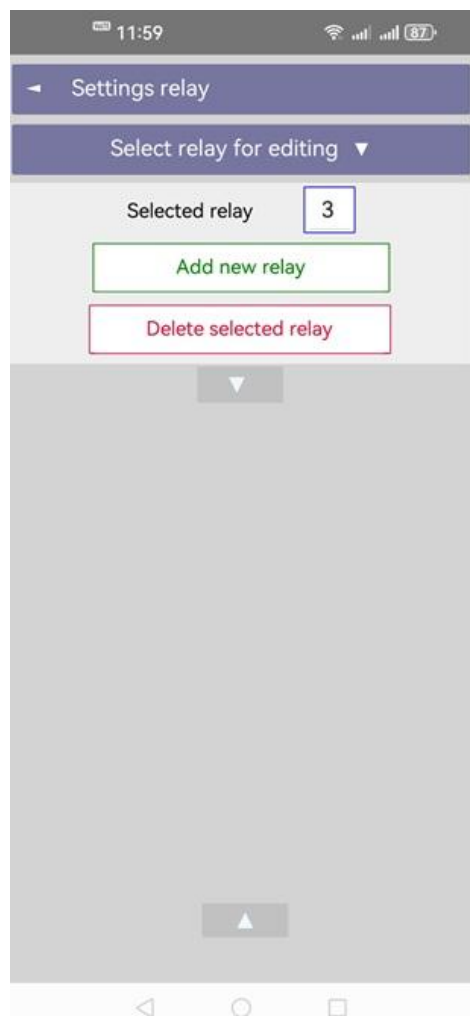
The file can be imported by any user who has the same application installed.

This command transfers the file without encryption. Upon accessing the relay settings, the recipient will be able to view all configurations, programmed commands, and user phone numbers.

This feature is best suited for backing up settings, transferring them to a new phone, or transferring relay management rights.



When transferring standard relay control permissions to users, it is recommended to use the '**Share protected relay file**' command.

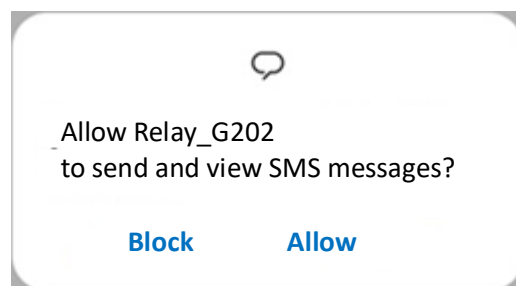


A user who receives such a file will be able to control the relay, but will not be able to modify or view the settings, as access to them will be blocked.

Accordingly, the "**Import relay configuration file**" command loads a file into the application's memory that has been received and saved in the device's shared folder.

The "**Obtain SMS permissions**" command requests a one-time permission from the device allowing the application to send and receive SMS messages. Even if you do not do this beforehand, the application will request this permission the very first time it attempts to send an SMS message.

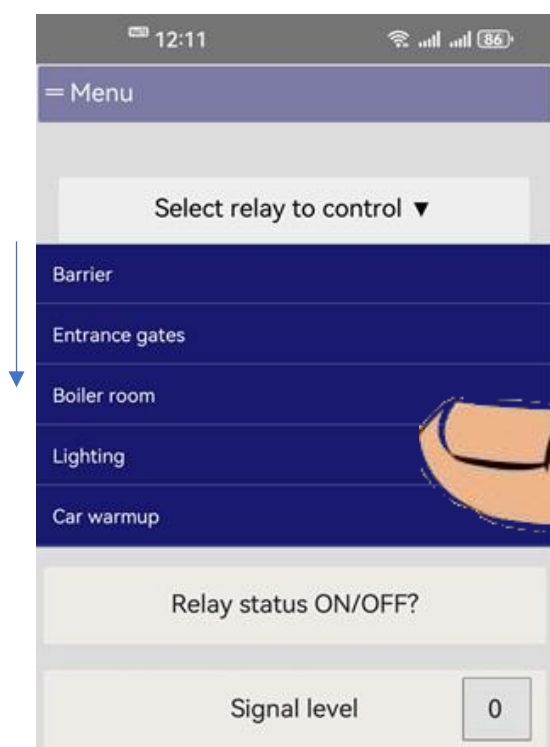
The same will happen if you select relay control via phone call in the settings — the application will request a one-time permission to make phone calls. However, please remember that operation depends not only on the application, but also on the tariff plan of the SIM card used in the relay; many device-specific tariffs completely prohibit phone calls!



The "**Language**" command opens the application language selection window. You only need to specify your preferred language once, and the application will load in the selected language during all subsequent launches.

The "**Select relay to control ▼**" command opens a drop-down list of relays that have been configured and saved to the device's memory.

- ☐ English
- ☐ Русский
- ☐ 中国语文科
- ☐ Deutsch
- ☐ Italiano
- ☐ Français



Scroll through the list to select the required relay.

Relay settings window:

The "**◀ Relay settings**" key will return you to the previous window.

The "**Select relay to edit ▼**" key opens a drop-down list of already added relays to select the one you want to edit.

At the same time, in the window - **Выбрано реле** 2 the number of the selected relay will be displayed.

Button - **Add new relay** will open the file of the first empty relay and also display its number.

Button - **Delete selected relay** will delete all settings of the selected relay and clear the file for further use.

In the text box - **Relay name** relay enter the desired name of the controlled system.

Name relay - Automatic barier

In the text box - **Tel. relay -** +1111111111 enter the phone number of the SIM card installed in the device, in accordance with your operator's format.

In the text box - **Tel. admin -** +1222222222 enter your phone number; it will be recognized by the device as the administrator's phone number.

To change the access code for device commands, enter a new code without changing the old one: the default code in the device is "**1234**".

☒ **Disabling SMS notification** Activating this feature will disable sending confirmation SMS messages to the device administrator (confirmation alerts can only be received by the administrator's phone).

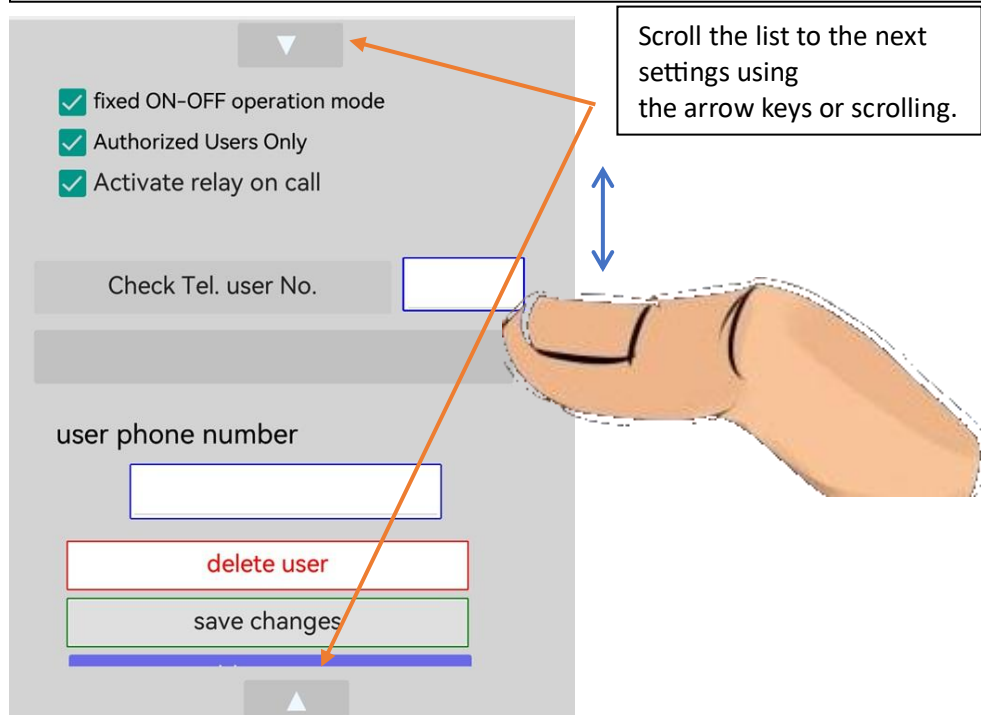
☒ **relay operating time** 5 Activating this feature will open a window to enter the relay's active state duration (in seconds). When this feature is enabled, only a single 'ON' button will be displayed for the selected relay in the main window. This is because the relay will automatically turn off after the set time expires, and it will not be possible to deactivate it using the 'OFF' button before the set time runs out.

fixed ON-OFF operation mode

activating this mode will reset the previous setting, and the relay will operate in a fixed mode, turning on with the **"ON"** button and turning off with the **"OFF"** button.

Authorized Users Only

enabling this function means that the relay will be activated by call only from users whose phone numbers are stored in the device's memory.



Activate relay on call

Activation by call:

the function activates dialing the relay instead of sending an SMS (check your mobile operator's tariff before activation !!!)

Check Tel. user No.

User phone verification:

enter the user number in the format **"002"**, **"050"** ... and so on, from **002 to 200**.

001 is the administrator's phone number, and it is written to the device using the algorithm presented earlier. The verified user will be automatically added to the phone list!

delete user

Deleting a user number:

Select a phone number from the drop-down list and click the delete button; the phone number will be deleted simultaneously from both the program list and the device (the device must be online!).

Add User (Method 1):

expand the user list

▼ open phone list ▼

▲ close phone list ▲

+1111111111

002

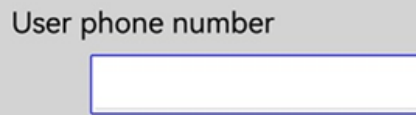
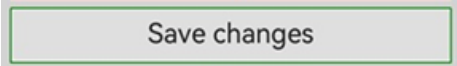
+1222222222

003

004

005

enter the user's phone number into the field

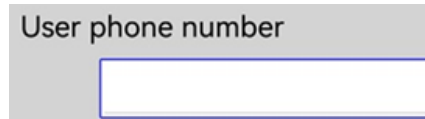
A gray rectangular box with the text "User phone number" at the top. Below the text is a white rectangular input field with a thin blue border.A gray rectangular button with a green border and the text "Save changes" in the center.

click **"Save changes"**;

the user number will then be saved both in the program and in the device (the device must be online!). This method is better suited for adding a user to an already configured device.

Add Users (Method 2):

enter the user's phone number into the field.

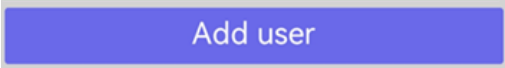
A gray rectangular box with the text "User phone number" at the top. Below the text is a white rectangular input field with a thin blue border.

click the **"Add User"** button;

the phone number will be added to the first

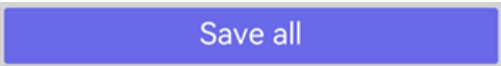
empty slot (the number is not added to the device at this time). Add the remaining users in the same way.

If you have not selected a slot to save a user, you must use the **"Add User"** option.

A blue rectangular button with the text "Add user" in the center.

Save Program to Device:

После After making all changes to the program, click the **"Save All"** button.

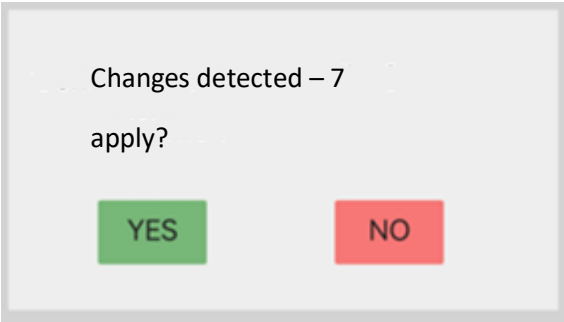
A blue rectangular button with the text "Save all" in the center.

At the same time, the device must have a stable connection !!!

All changes made in the program will be written to the device:

- **Relay name;**
- **Admin phone number;**
- **New code;**
- **Disable SMS notifications (if changed);**
- **Relay runtime in seconds (if changed);**
- **Fixed ON/OFF operation mode (if changed);**
- **Authorized users only (if changed);**
- **Relay activation by call (if changed);**
- **User phone list (both modified and added);**

The program sends only the modified parameters to the device and does not affect the device settings that were previously configured and not changed in the current session!

A gray rectangular dialog box. At the top, it says "Changes detected – 7". Below that, it asks "apply?". At the bottom, there are two buttons: a green "YES" button and a red "NO" button.

Change submission confirmation dialog.

A red rectangular button with a red border and the text "Factory reset" in the center.

Resetting the device to factory settings:

Activate the device reset using the button; do not forget to reset the device itself in accordance with the manufacturer's instructions (a remote reset alone is not possible!)