

Preparing JC100/200 Devices and Configuring a Unit in Wialon to Download Images and Videos

This guide describes how to prepare a [JC100](#) or JC200 device and to configure in Wialon a unit which uses this device in order to receive photos and videos. After configuring the unit, you can also execute other commands described in the [supplement](#) to the guide.

The JC100 and JC200 devices can only transfer files **in real time**, that is, it is impossible to receive files from the memory of these devices.

1. Download the appropriate firmware for the device in [Gurtam forum](#) and install it according to the guide which is also available there.
2. Create a unit. On the **Advanced** tab, specify the unit name, device type and unique ID. For **JC200** devices, choose the **JC100 type**.

The screenshot shows the 'New Unit' configuration window in Wialon. The 'Advanced' tab is active. The following fields are highlighted with red boxes:

- Name: JC200
- Device type: JC100
- Unique ID: 13378912

Other visible fields and options include:

- Server address: nl.gpsgsm.org:21607
- Phone number: (empty)
- Password: (empty)
- Creator: user
- Account: user
- Mileage counter: GPS (dropdown), Current value: 0 km, Auto checkbox
- Engine hours counter: Engine ignition sensor (dropdown), Current value: 0 h, Auto checkbox
- GPRS traffic counter: Reset Counter (button), Current value: 0 KB, Auto checkbox

Buttons at the bottom: Export to File (with a warning icon), Cancel, and OK.

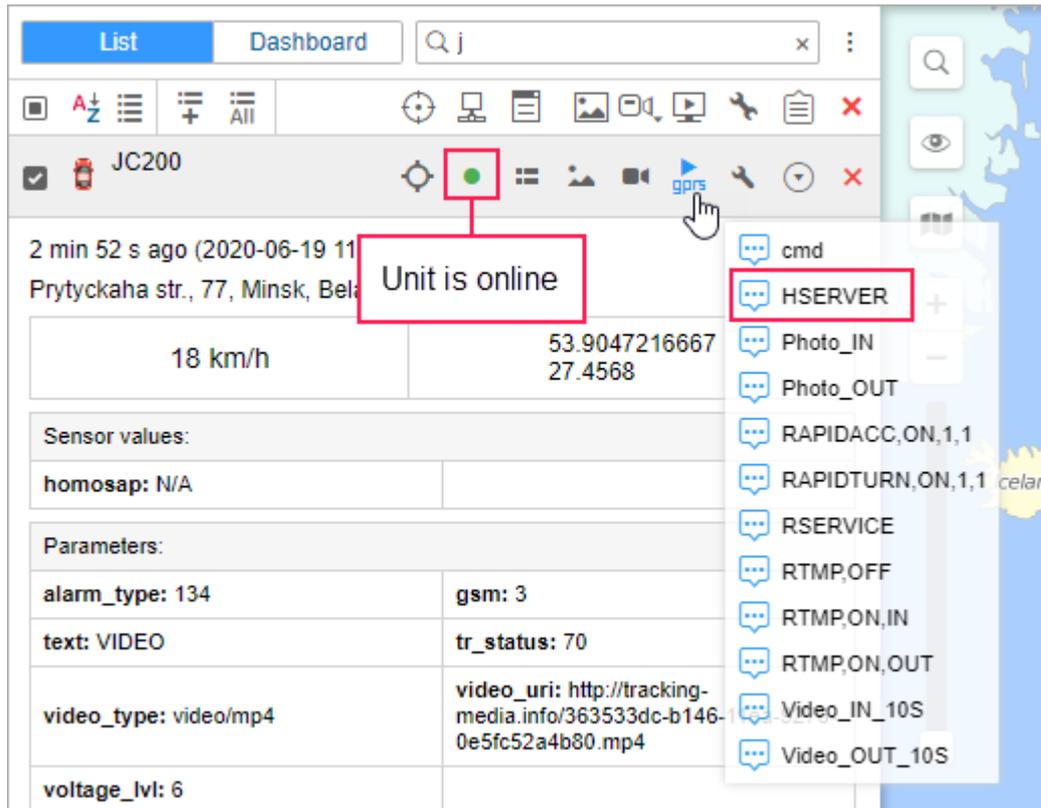
3. On the **Commands** tab of the unit properties, create a command to tell the device the address for downloading photo and video files. Select the **Send custom message** type for the command. In the **Channel** field, select **TCP**.

The screenshot shows the 'New command' dialog box with the following details:

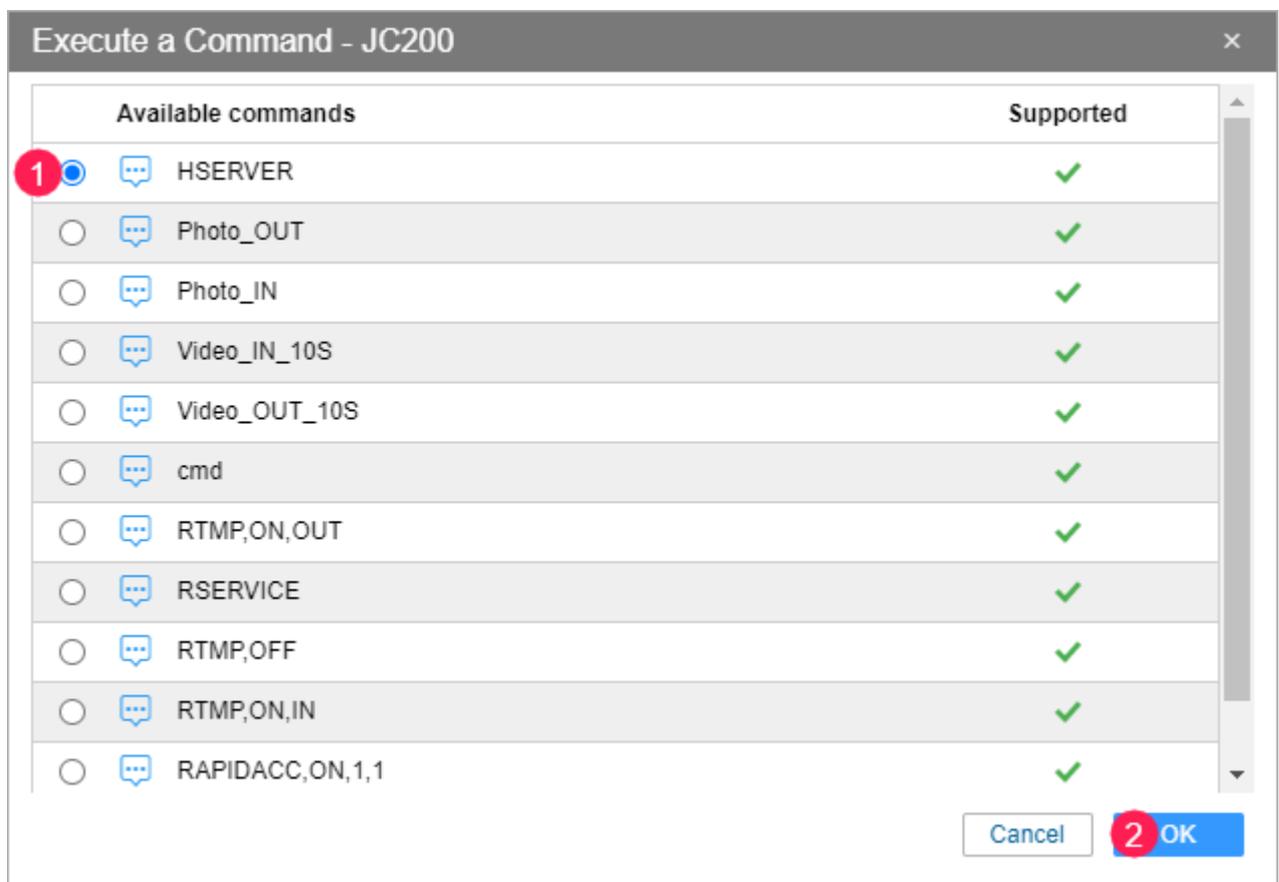
- Command name:** HSERVER
- Command type:** Send custom message (custom_msg)
- Channel:** TCP
- Phone number:** Use any
- Indicate access rights required for users to execute this command:**
 - View item and its basic properties
 - View detailed item properties
 - Manage access to this item
 - Delete item
 - Rename item
 - View custom fields
 - Manage custom fields
 - View admin fields
 - Manage admin fields
- Without parameters
- Message:** HSERVICE,http://193.193.165:21607/
- Buttons:** Cancel, OK

4. Uncheck the **Without parameters** option and type in the **Message** field the IP address and the port of the server indicated in the **General** tab of the unit properties. Use the following format: HSERVICE,http://<IP address>:<port number>/. For example, HSERVICE://193.193.165.165:21607/.
5. Click **OK**.

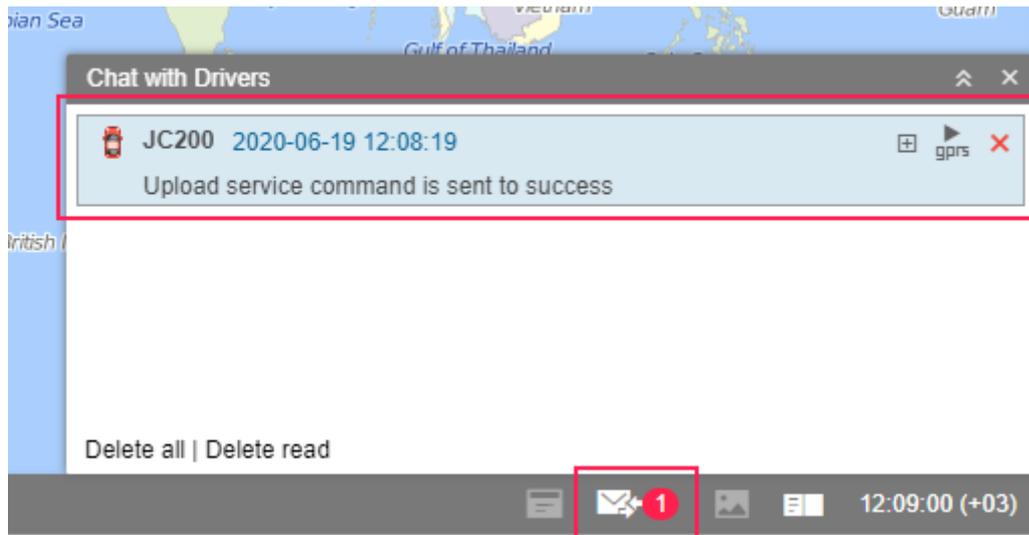
6. Make sure that the unit is online (a [green icon](#) is displayed opposite the unit name in the work list of the **Monitoring** tab) and click on the icon  to send the command.



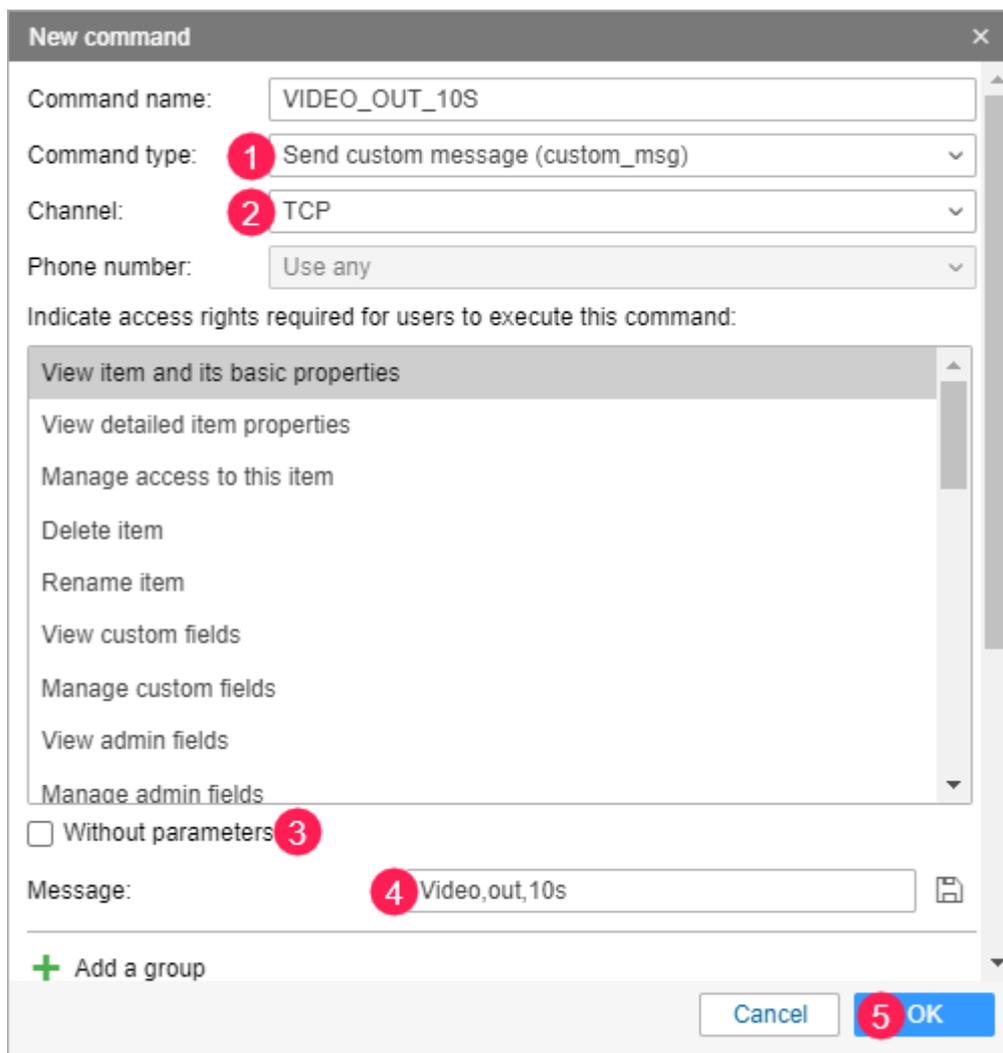
7. In the list of available commands, select the one created at step 3 (HSERVER). Click **OK**.



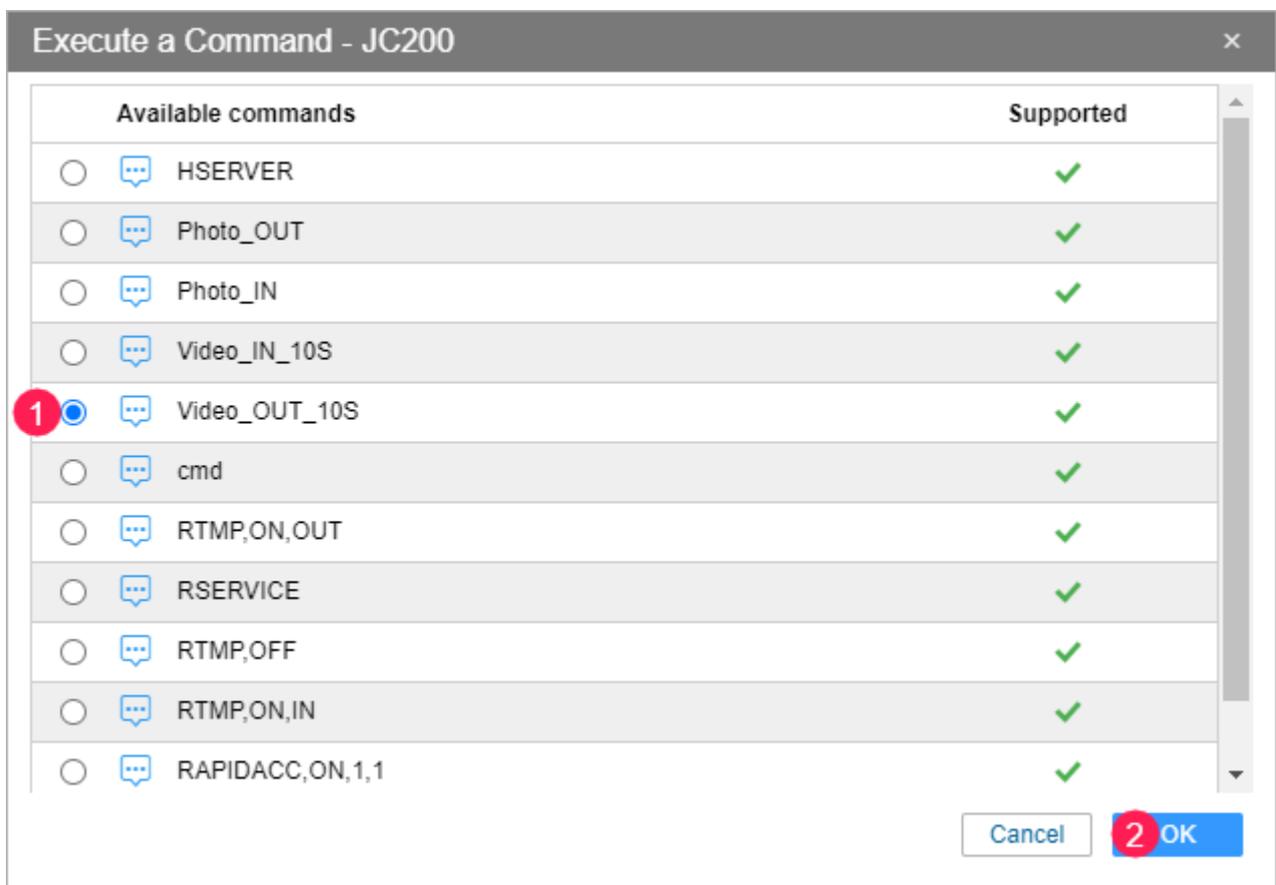
8. In the **Chat with Drivers** window, you will see a message about sending the command successfully.



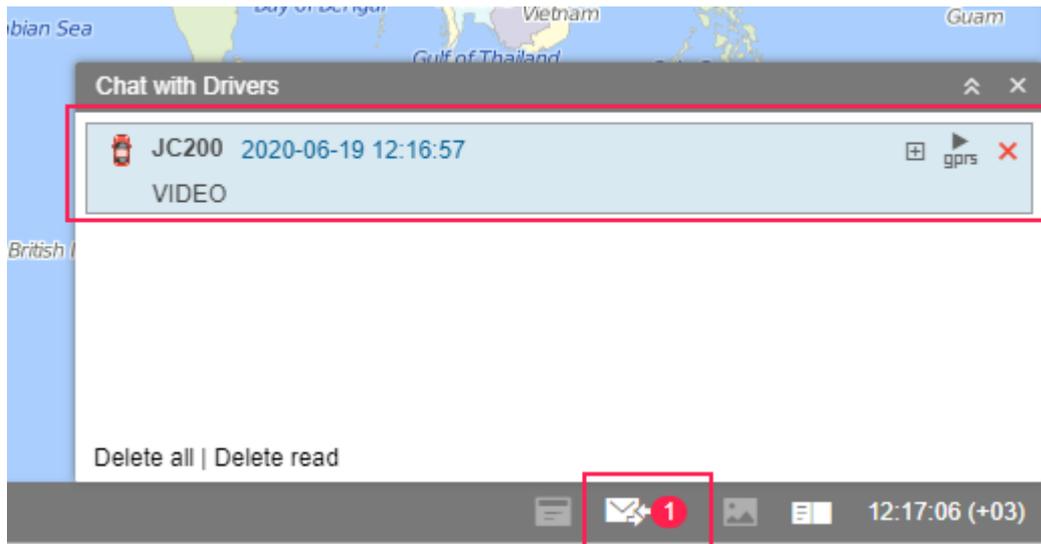
9. On the **Commands** tab of the unit properties, create a command to download photo or video file. To do this, select the **Send custom message (custom_msg)** type. In the **Channel** field, select **TCP**.



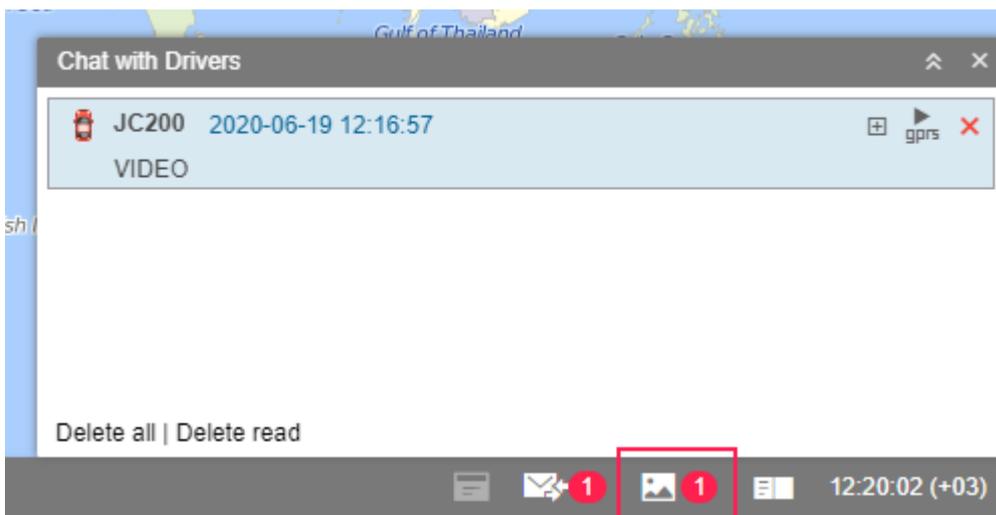
10. Uncheck the **Without parameters** option. In the **Message** field, select one of the available options.
 - **Video,in,Ns**: to request a video from the internal camera, where **N** is the duration of the video (not more than 20 s). For example, **Video,in,10s**.
 - **Video,out,Ns**: to request a video from the external camera, where **N** is the duration of the video (not more than 20 s). For example, **Video,out,10s**.
 - **Picture,in**: to request a photo from the internal camera.
 - **Picture,out**: to request a photo from the external camera.
11. Click **OK**.
12. Make sure that the unit is online and click on the icon  to send the created command.
13. In the list, select the command you need (Video_OUT_10S) and click **OK**.



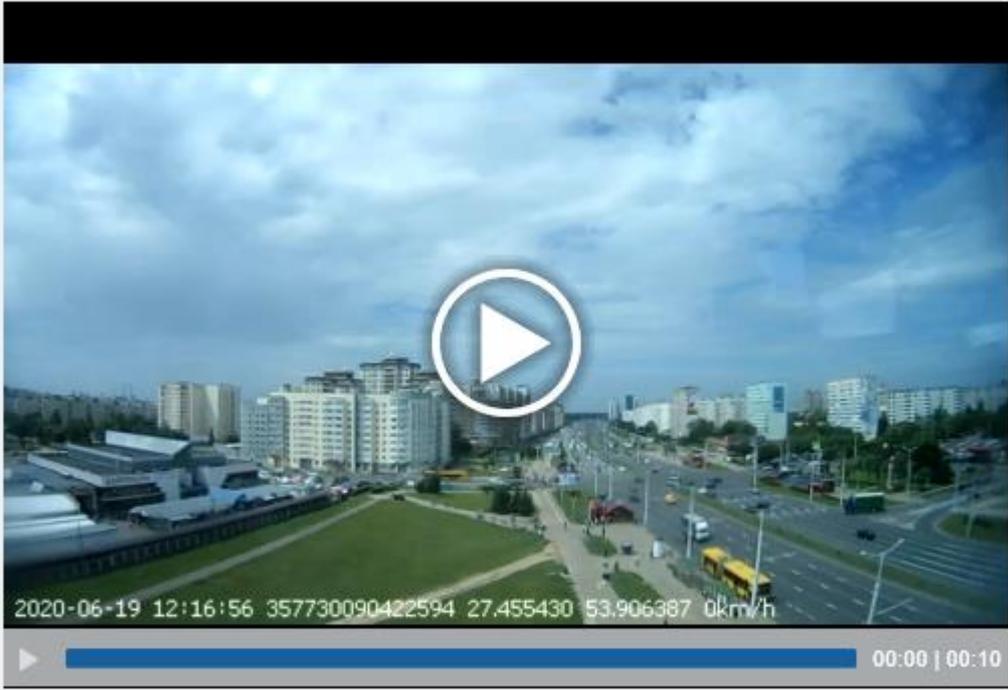
14. In the **Chat with Drivers** window, you will see a message about sending a command to download a file.



15. After downloading is complete, a red indicator is displayed near the icon  in the bottom panel. Click on it to open the file. You can also click on the icon  opposite the unit name in the work list (the [Media](#) option).



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JC200

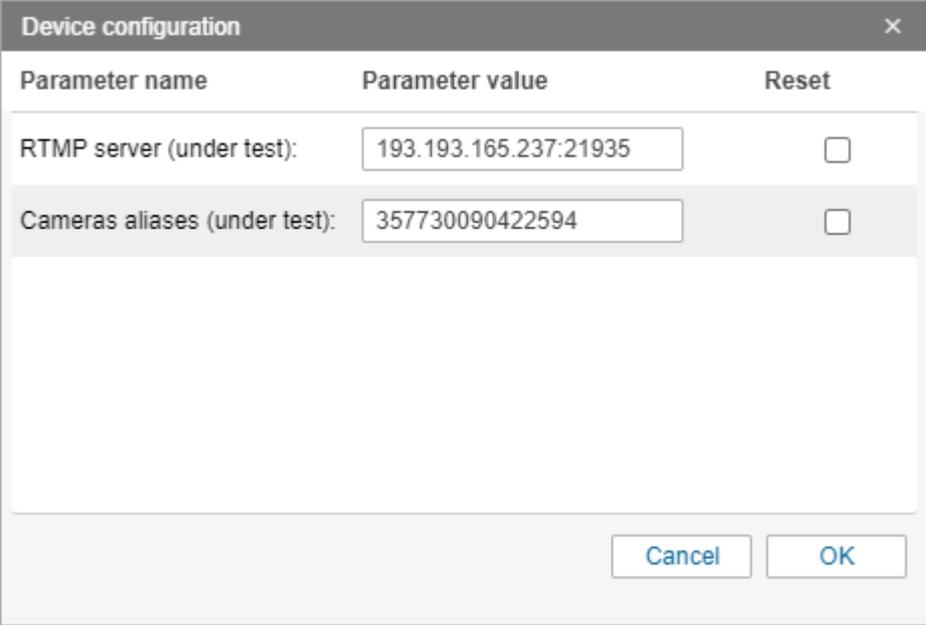


Other available commands

Before creating a command, you should prepare the device and configure a unit in Wialon (steps 1 — 8 of the guide). The text of the command should be typed in the **Message** field when creating the command (see [steps 9 — 10](#) of the guide).

Video streaming

To stream video, some additional configuration of the unit is required. To do this, fill in the fields described below in the **Device configuration** window of the unit properties (icon  in the **General** tab).



Parameter name	Parameter value	Reset
RTMP server (under test):	193.193.165.237:21935	<input type="checkbox"/>
Cameras aliases (under test):	357730090422594	<input type="checkbox"/>

- **RTMP server.** Here you should specify the IP and the RTMP port of the server which is set by the user.
- **Camera aliases.** Indicate the unique ID of the unit as the ID of the camera.

The following commands are used to manage the video streaming:

- **RMTP,ON,IN:** enable video streaming from the internal camera;
- **RMTP,ON,OUT:** enable video streaming from the external camera;
- **RMTP,OFF:** disable video streaming.

To watch the video streaming, click on the icon  in the work list of the **Monitoring** tab.

It is impossible to stream video from two cameras at the same time.