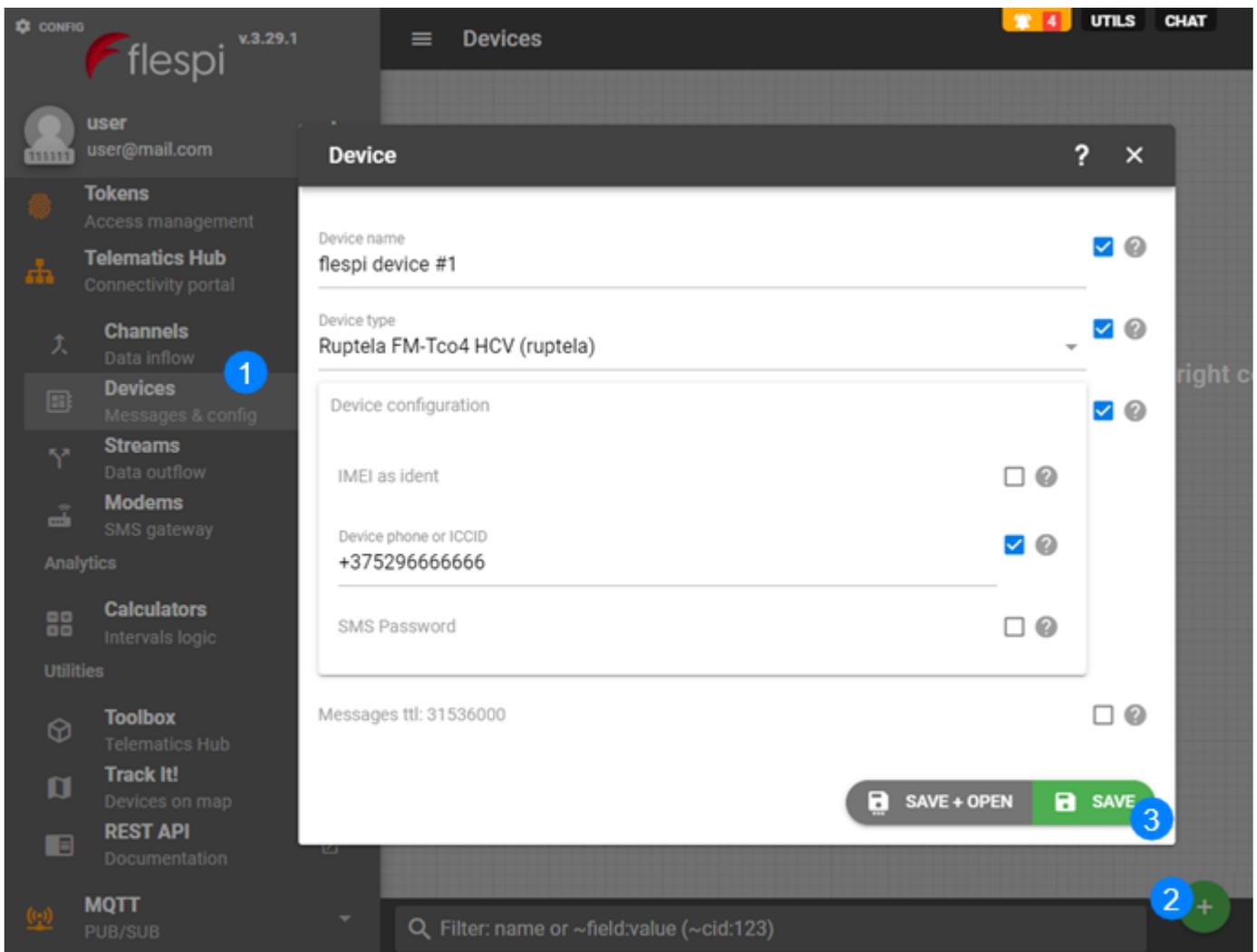


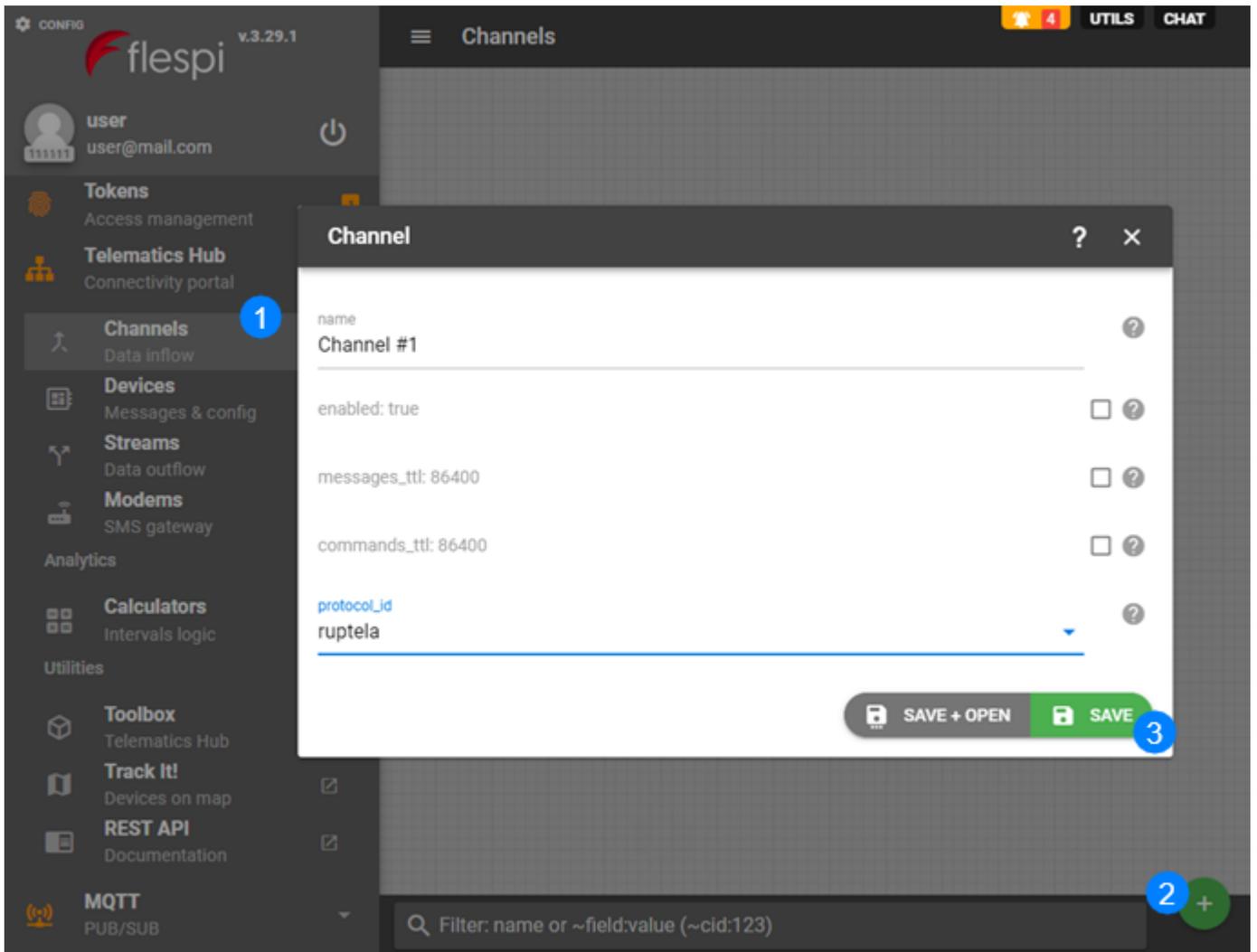
# Sending commands from Wialon to flespi devices

This article describes the sequence of actions required to send commands from the Wialon system to physical devices registered on the flespi platform, including the creation of devices in flespi (hereinafter flespi devices).

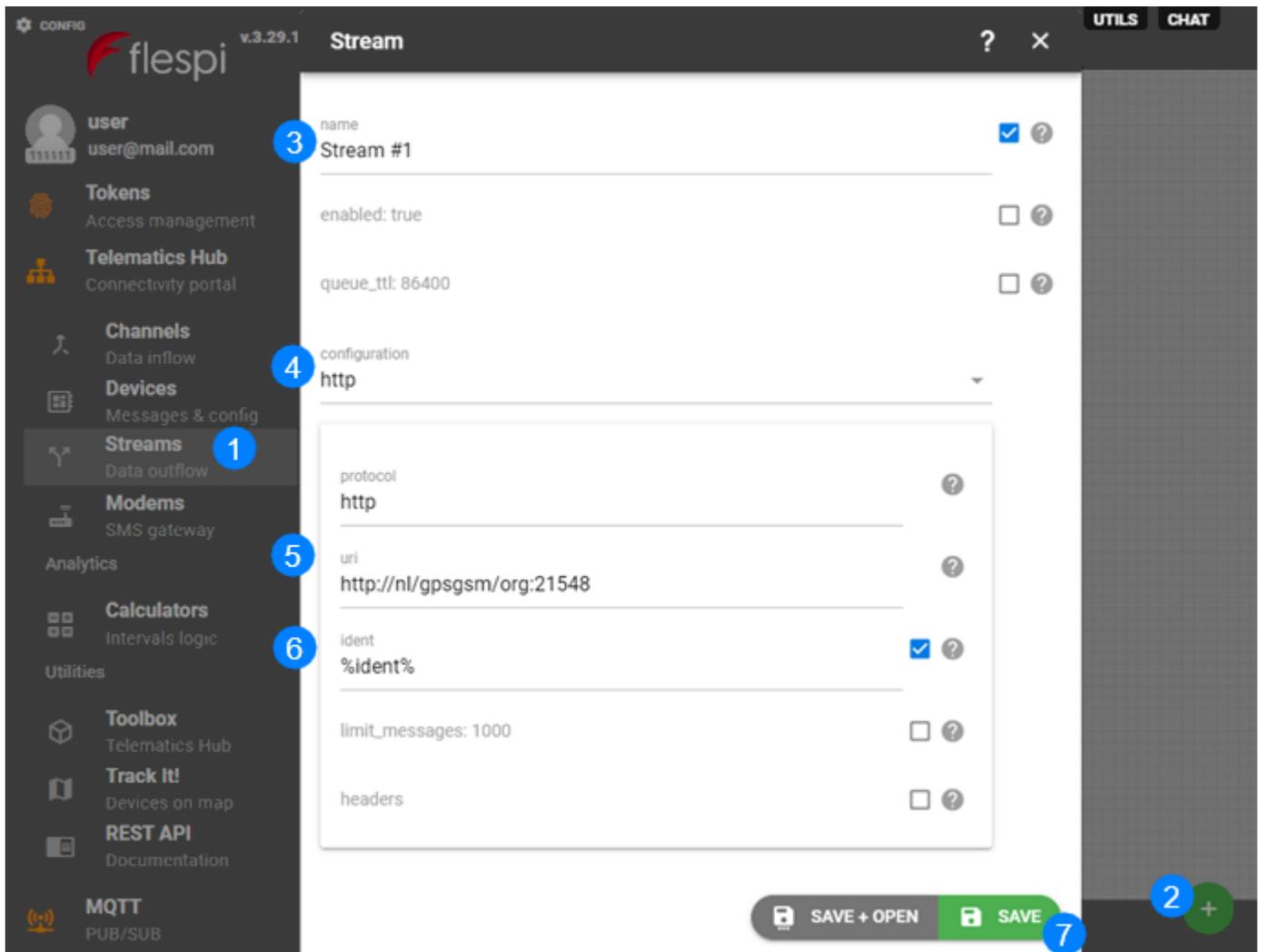
1. Create a **device** in flespi. To do this, open the *Devices* tab in the *Telematics Hub*, click on the button  in the lower right corner of the screen, fill in the required fields, and click Save.



2. Create a **channel** to receive data in flespi: open the *Channels* tab, click on the button  in the lower right corner of the screen, fill in the *name* and *protocol\_id* fields (the protocol corresponds to the type of the physical device), and click *Save*.

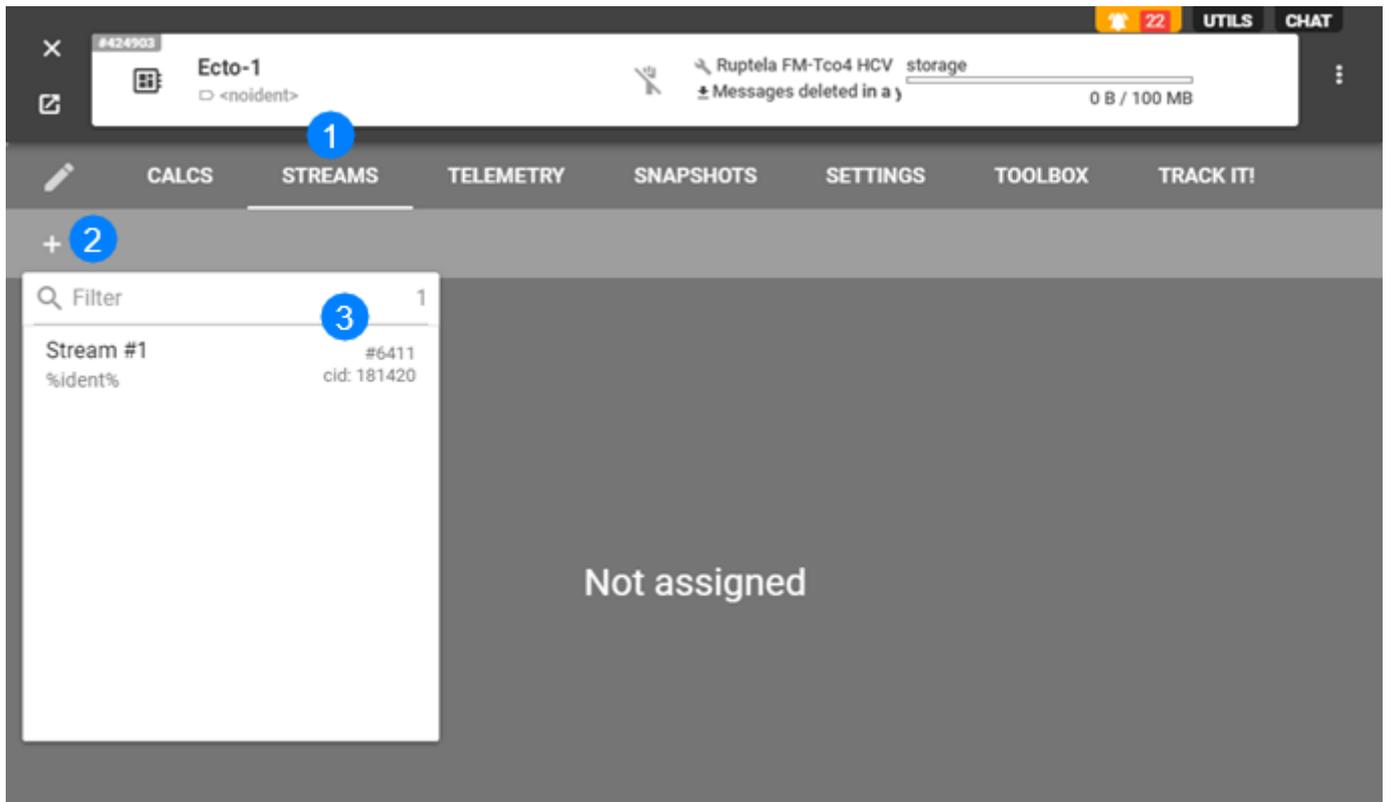


- Point the physical device (tracker) to the channel address (IP and port).
- Create a **stream** to redirect data. To do this, open the *Streams* tab, and click . Fill in the *configuration* and *uri* (address of the [flespi\\_gateway](#) device) fields, activate the *ident* option.  
**NB:** IP varies depending on the data centre.

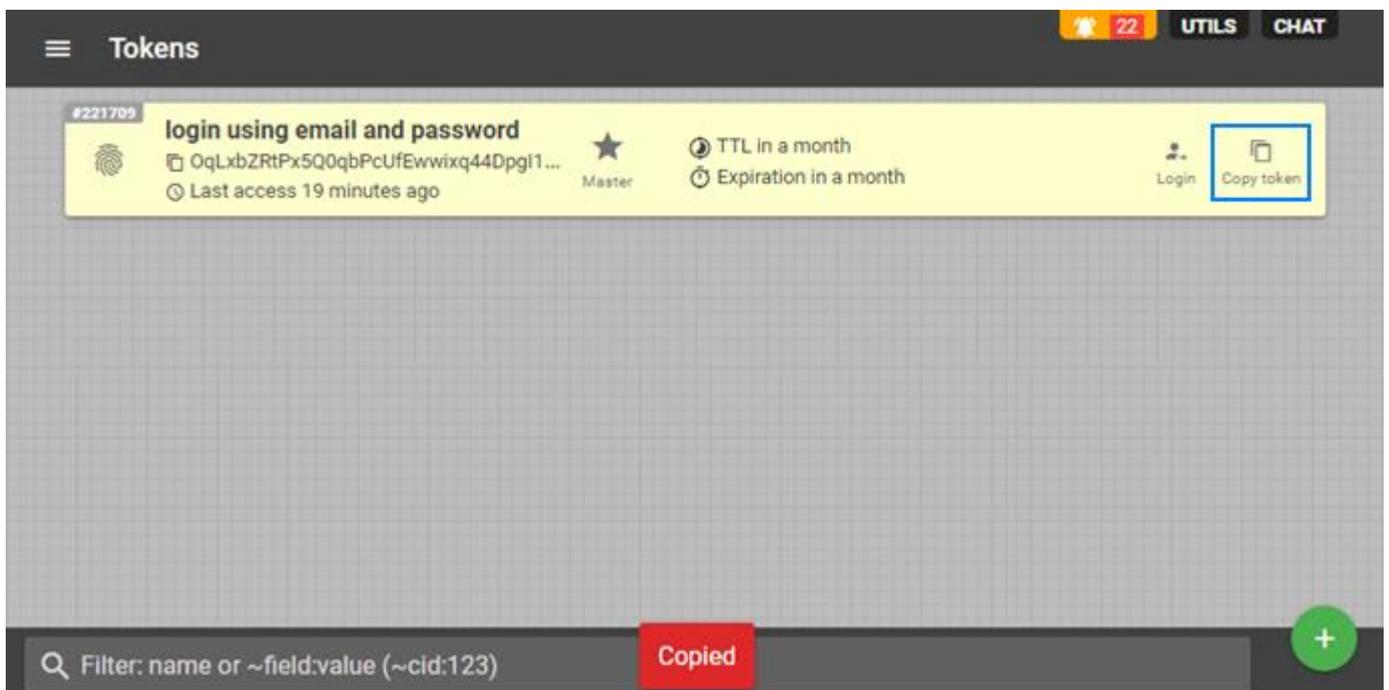


The screenshot displays the Flespi configuration interface for a Stream. The interface includes a sidebar on the left with navigation options: user (user@mail.com), Tokens, Telematics Hub, Channels, Devices, Streams (highlighted with a blue circle 1), Modems, Analytics, Calculators, Utilities, Toolbox, Track It!, REST API, and MQTT. The main area shows the configuration for a Stream named "Stream #1" (labeled with a blue circle 3). The configuration fields are: enabled: true (checkbox), queue\_ttl: 86400 (checkbox), configuration: http (dropdown, labeled with a blue circle 4), protocol: http (dropdown, labeled with a blue circle 5), uri: http://nl/gpsgsm/org:21548 (text field, labeled with a blue circle 5), ident: %ident% (checkbox, labeled with a blue circle 6), limit\_messages: 1000 (checkbox), and headers (checkbox). At the bottom right, there are buttons for "SAVE + OPEN" and "SAVE" (labeled with a blue circle 7), and a plus icon (labeled with a blue circle 2).

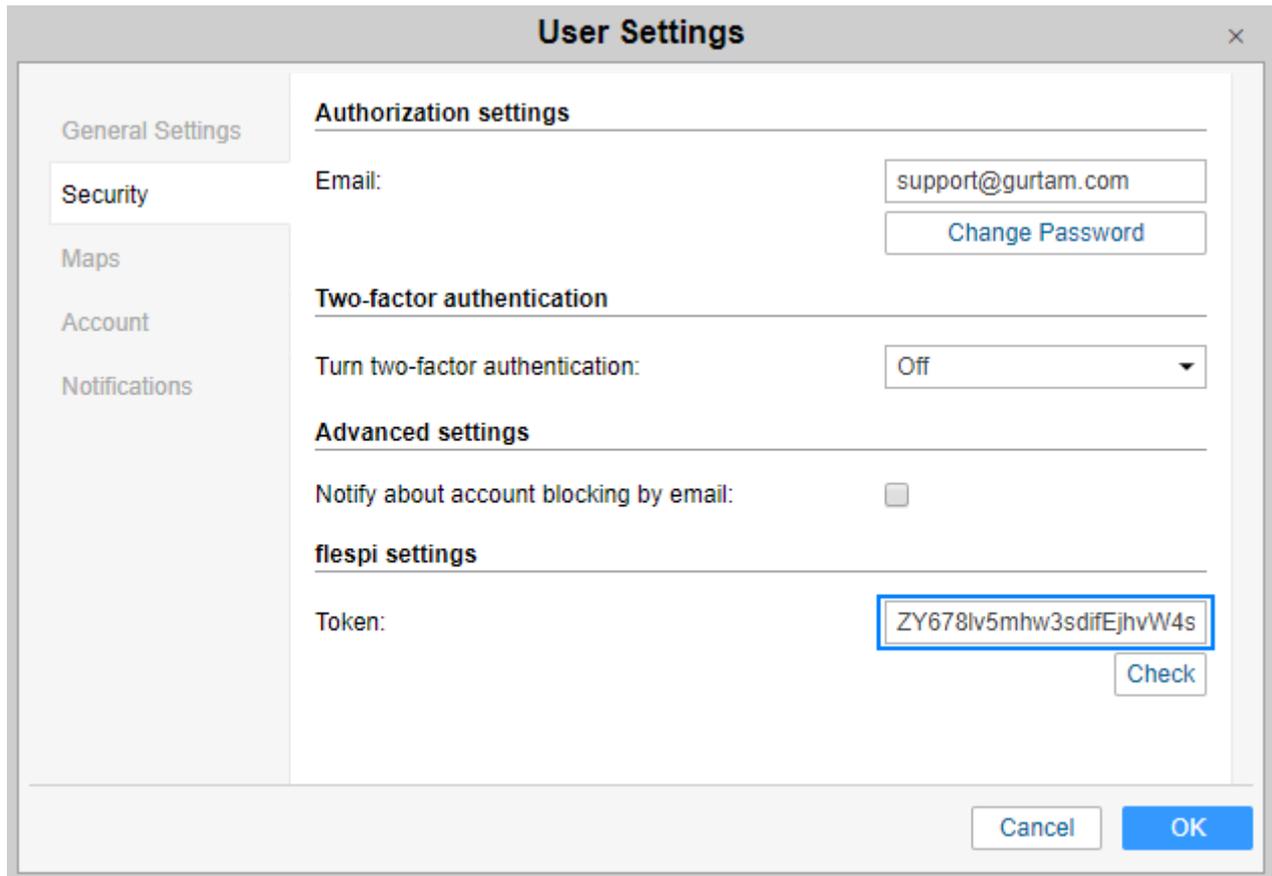
- Assign the flespi device created in step 1 to the stream. To do this, go to the *Devices* tab and click on the line with the flespi device to open the settings window. Next, on the *Streams* tab, click  and select the required stream.



- Copy a token on the flespi platform (the *Tokens* tab).



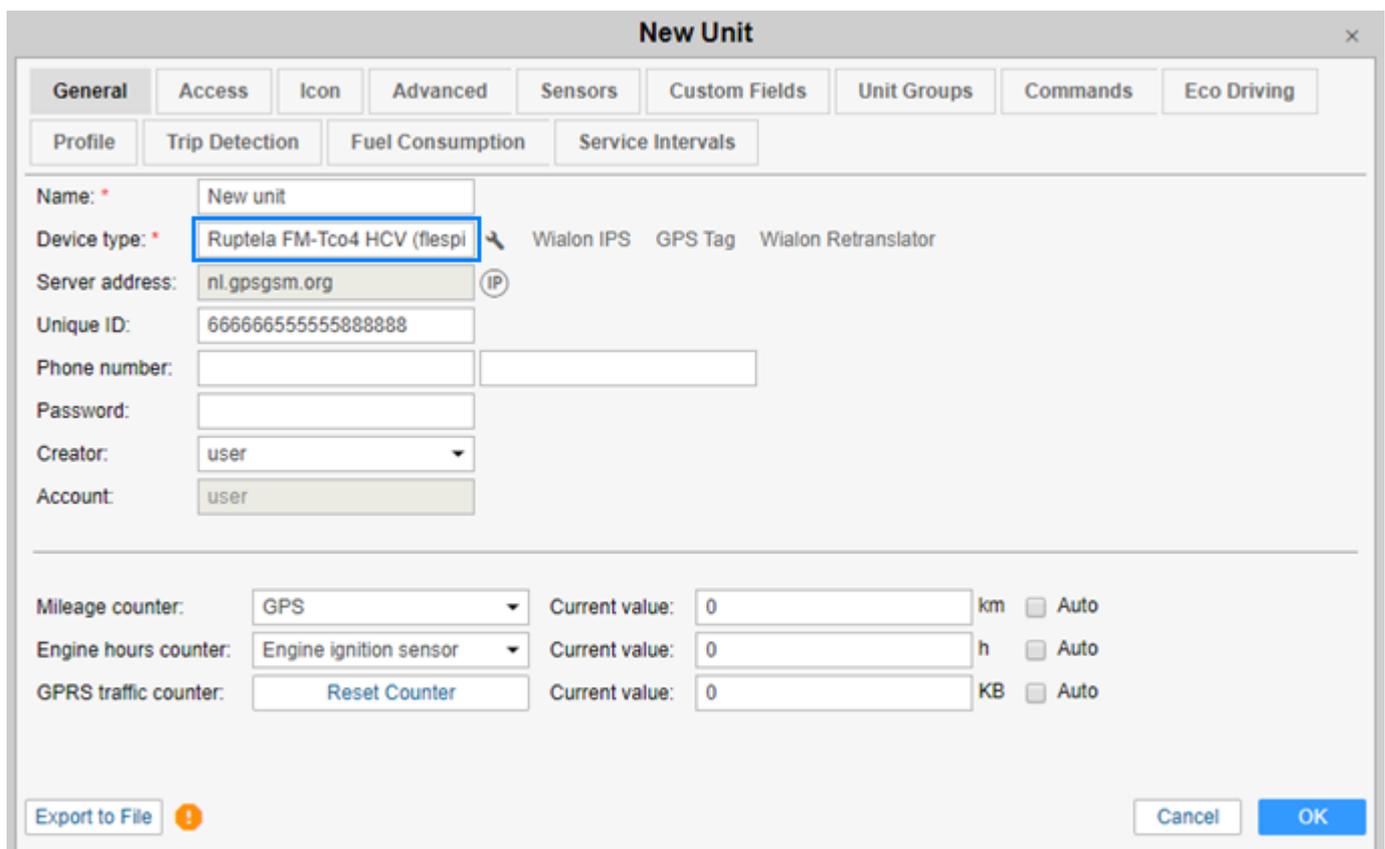
7. In Wialon, paste the copied token into the *Token* field on the [Security](#) tab of the top account settings.



The screenshot shows the 'User Settings' dialog box with the 'Security' tab selected. The 'Token' field is highlighted with a blue border. The 'Email' field contains 'support@gurtam.com' and the 'Turn two-factor authentication' dropdown is set to 'Off'. The 'Token' field contains 'ZY678lv5mhw3sdifEjhvW4s'.

Field	Value
Email	support@gurtam.com
Turn two-factor authentication	Off
Token	ZY678lv5mhw3sdifEjhvW4s

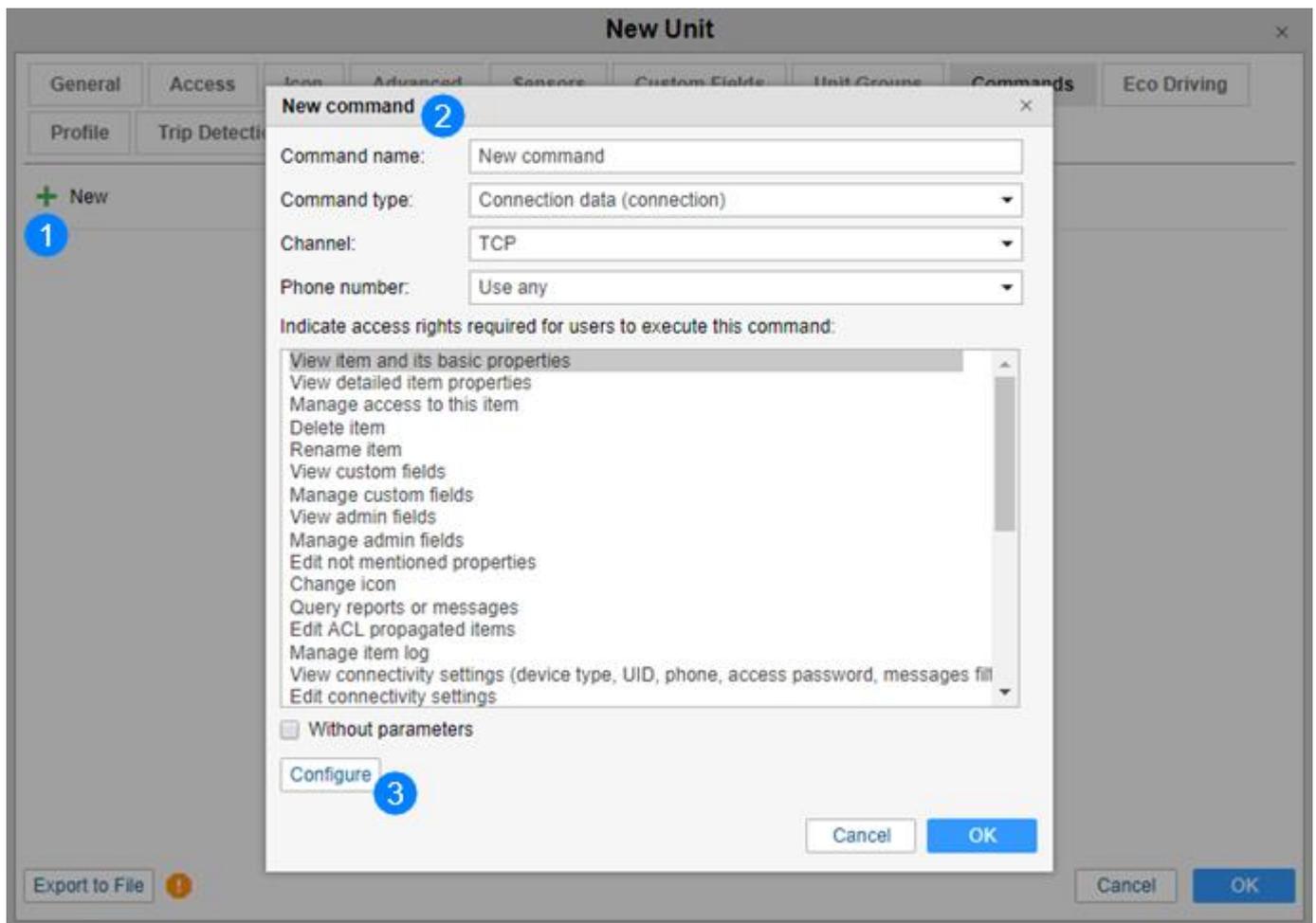
8. [Create a unit](#) in Wialon. The device type should be the one indicated in the *Device type* field in step 1. It should be marked as *flespi* in brackets.



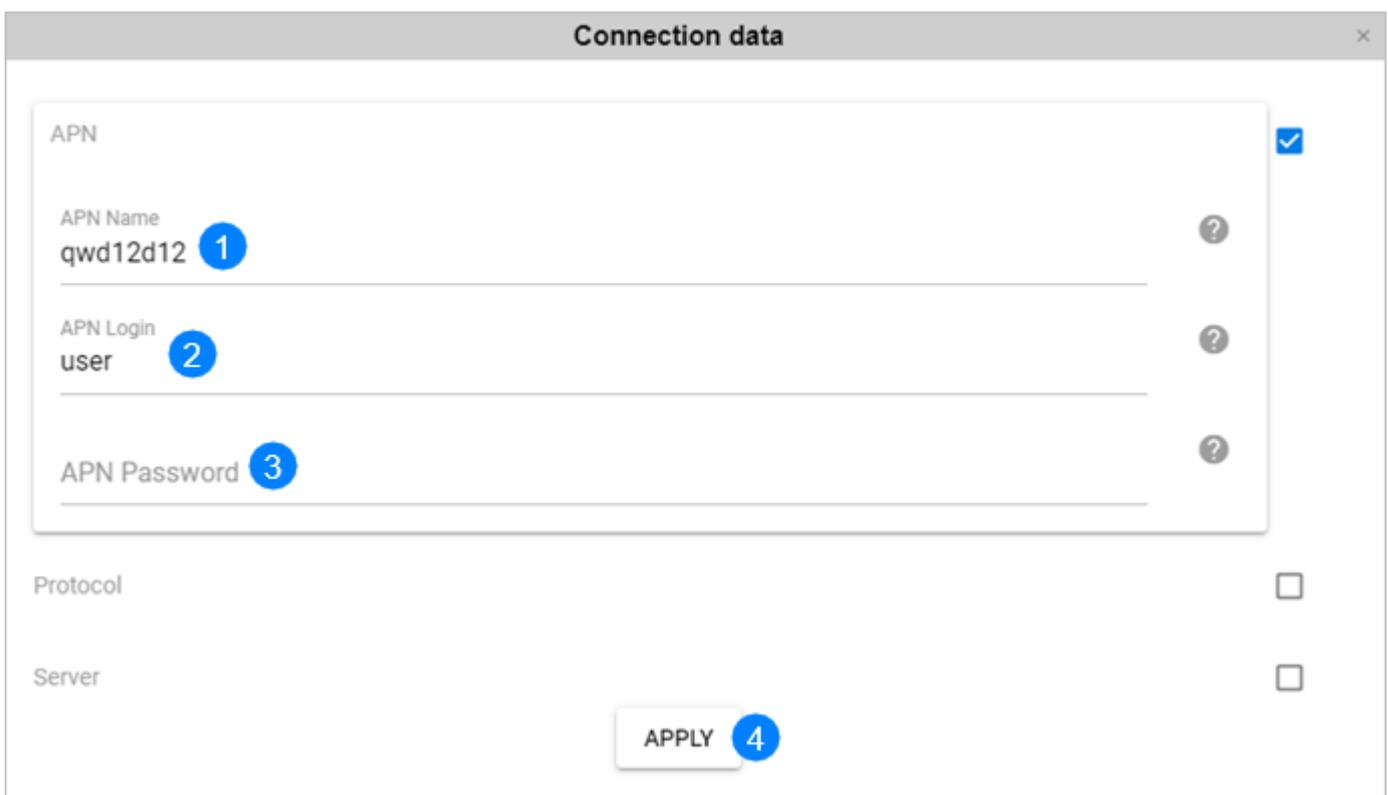
The screenshot shows the 'New Unit' dialog box with the 'General' tab selected. The 'Device type' field is highlighted with a blue border. The 'Name' field contains 'New unit', the 'Server address' is 'nl.gpsgsm.org', and the 'Unique ID' is '6666665555588888'. The 'Mileage counter' is set to 'GPS', the 'Engine hours counter' is 'Engine ignition sensor', and the 'GPRS traffic counter' is 'Reset Counter'.

Field	Value
Name	New unit
Device type	Ruptela FM-Tco4 HCV (flespi)
Server address	nl.gpsgsm.org
Unique ID	6666665555588888
Mileage counter	GPS
Engine hours counter	Engine ignition sensor
GPRS traffic counter	Reset Counter

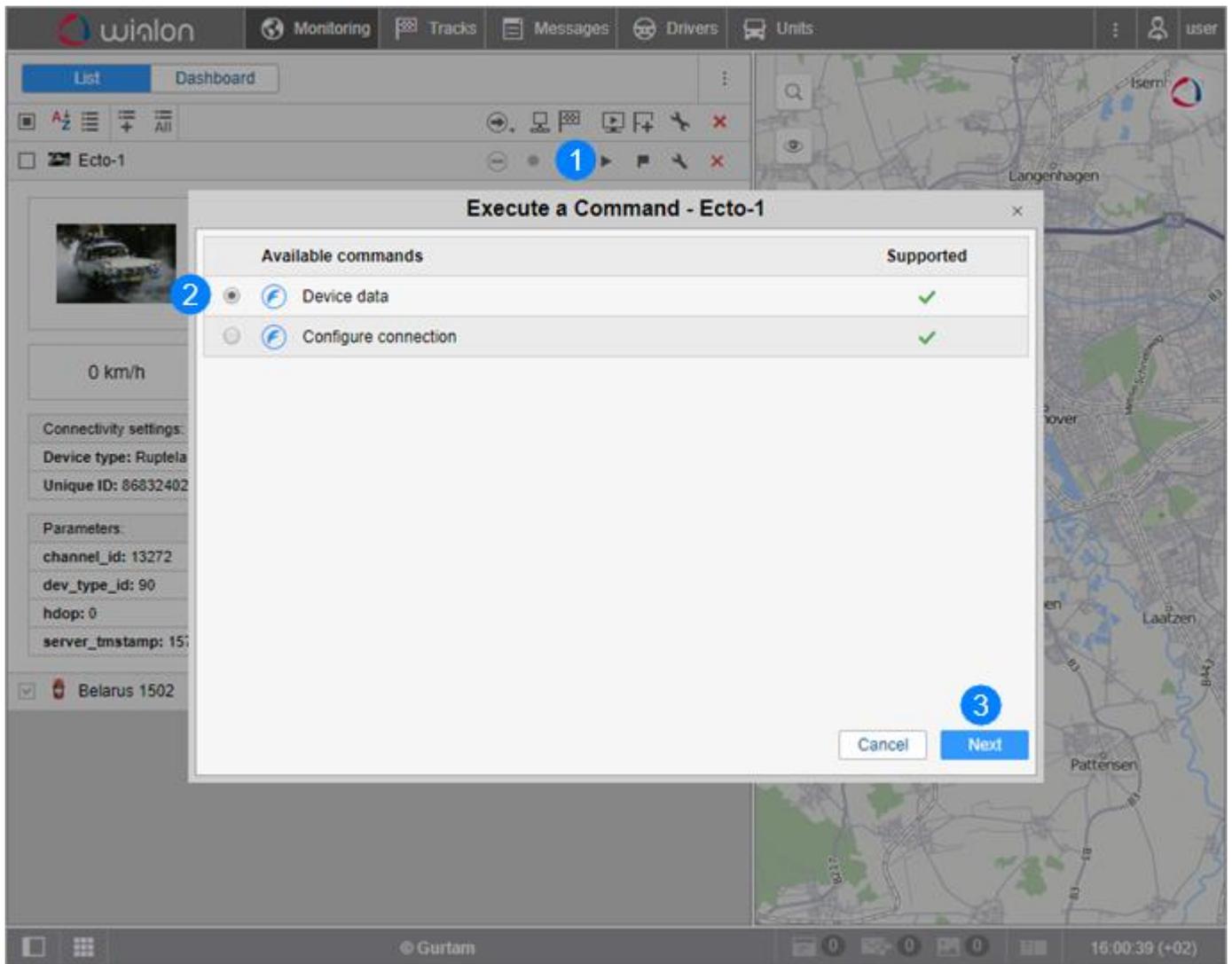
9. Create a new [command](#) in the unit properties in Wialon.



When creating the command, you can configure its parameters in the flespi form. In this way, you will not have to do it manually every time before sending the command to the unit.



10. Send the command to the unit from the *Monitoring* tab.



11. If the parameters of the command were not configured in its settings, specify them in this step.

