

# Meta Pulsar Manual

for Android and iOS  
developed by Quasar LLC



# Meta Pulsar

**Stay connected to your vehicle (car, motorbike, cargo, bus, boat, special transport) with Meta Pulsar Service's Mobile App for Security and Search.**

- Meta Pulsar will detect the exact location of your transport wherever you are!
- Track your vehicle on street-view maps, receive traffic information, and be updated on your telematic device battery level.
- Meta Pulsar will get its position once a day on exact time, but device connects to GSM network 3 times per day to receive coordinates, get command request position, turn on or off modes, so you can locate your transport without any hassle.
- Manage your vehicle by Search Mode or Position Request Command.
- In the Search Mode the Tracker is sending coordinates each 20 minutes. Please use this mode in extreme cases for vehicle theft, cause this mode is working till battery charge is empty or SMS Balance is ended.
- Receive alarms if your device battery level is low or the SMS Balance is low.
- See the history of events including position timeline.
- Meta Pulsar's Mobile app can be personalized, giving you the choice to switch themes, turn notifications on or off, and enable privacy when accessing the app.

**Stay connected to your transport. Join Meta Pulsar today!**

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## Product types

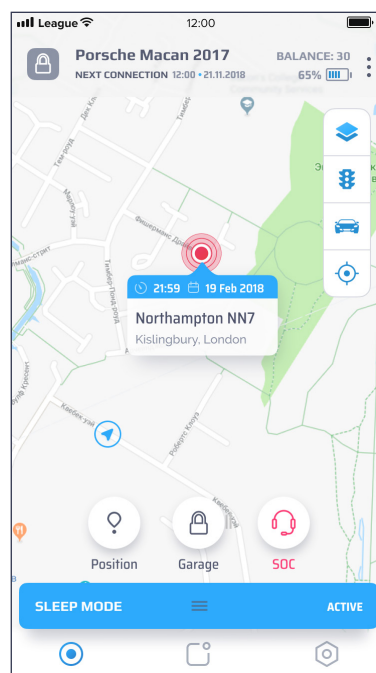
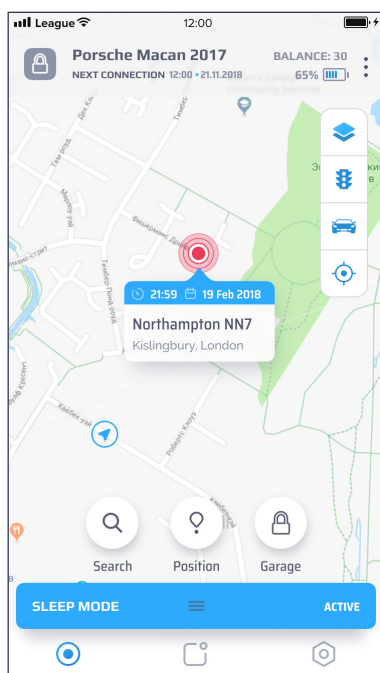
Meta Pulsar supplied with two versions:

1. **Box version** - for personal use.
2. **Complex version (TSP)** - with SOC service.
  - **SOC** - security operation center
  - **TSP** - telematic service provider
  - **Tracker** - the autonomous beacon device

Depending on the version, description of function may vary. By default, the manual is made for Box version. Options for Complex product are indicated with **i**

	<b>Box version</b>	<b>Complex version</b>
<b>Modes and Commands</b>	<ul style="list-style-type: none"> <li>• Search</li> <li>• Sleep</li> <li>• Position Request</li> <li>• Virtual Garage</li> </ul>	<ul style="list-style-type: none"> <li>• Sleep</li> <li>• Position Request</li> <li>• Virtual Garage</li> <li>• SOC</li> </ul>
<b>Alarms and Anomalies</b>	<ul style="list-style-type: none"> <li>• Low battery level</li> <li>• Low balance of notification</li> <li>• Crossing a geofence (Virtual garage)</li> <li>• Agreement term expiry</li> <li>• No connection with the tracker</li> </ul>	<ul style="list-style-type: none"> <li>• Low battery level</li> <li>• Crossing a geofence (Virtual garage)</li> <li>• Agreement term expiry</li> <li>• No connection with the tracker</li> </ul>

**i** All notifications and history of events are disabled automatically in SOC mode until control is returned by SOC.




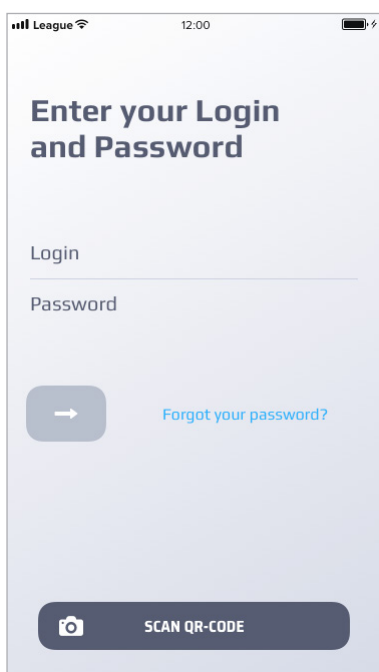
# Get Started

When you launch the app for the first time you should pass authorization with login and password provided from the vendor. Click **Scan QR-code** and scan the code on printed on sticker on the last page of QuickStart guide from the device carton box, or click Back and enter login/password provided by the telematic service provider.

- i** • **Login** - last 6 digits of IMEI (device identification number)
- **Password** - last 6 digits of serial number (device serial number)

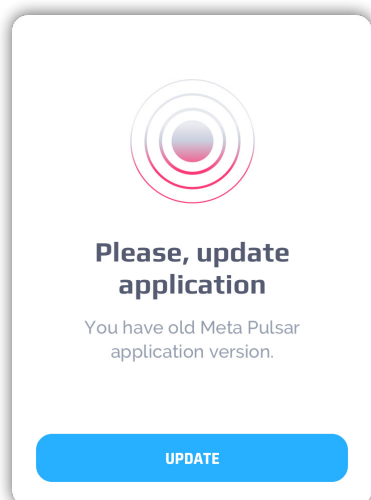
*(IMEI and Serial Number can be found in QuickStart guide on the last page)*

After successful identification, enter your actual login and password. The icon  allows you to hide/show the entered password.



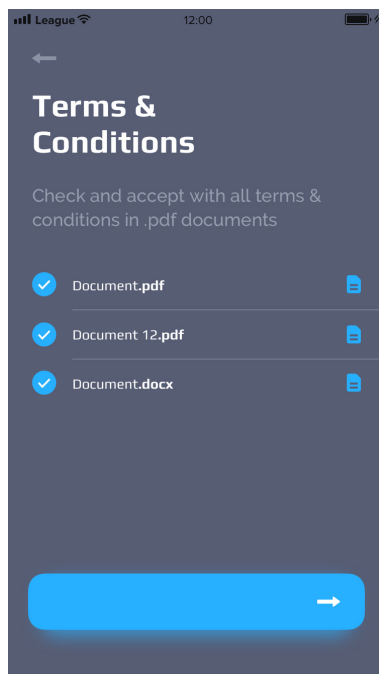
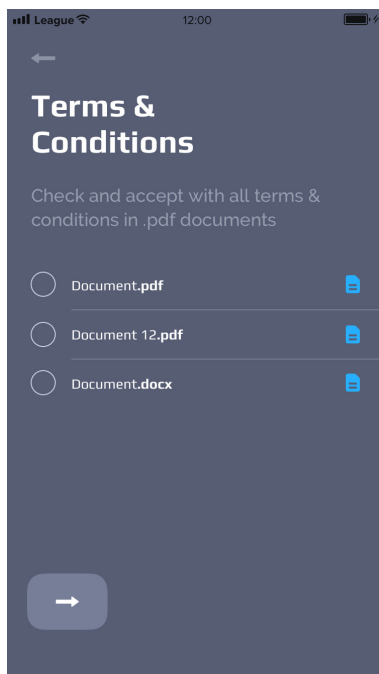
Click Next.

**i** If your app version is not match to the latest one, you will not able to login. Update your app through your market.

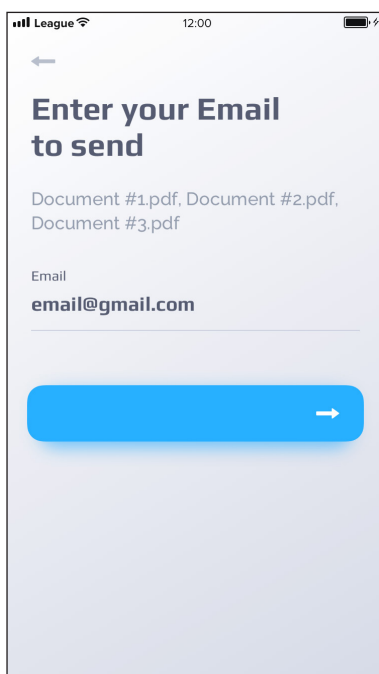


Read and accept Terms & Conditions.

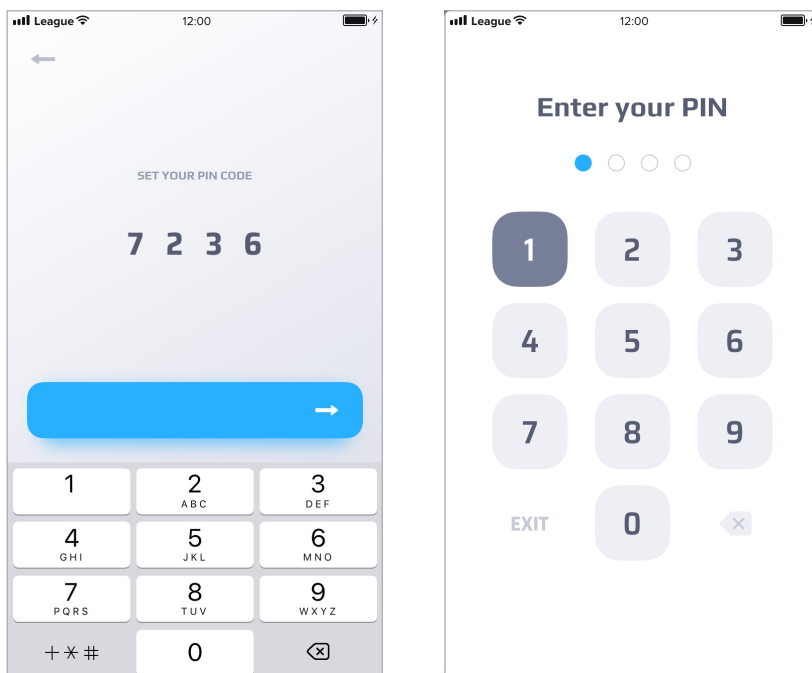
**i** Select and accept all of terms & conditions. Otherwise you will not have access to the application until you select and accept all of the files. You may also decline it in "Settings" on page 23.



Click **Next** and specify an e-mail to send the Terms & Conditions to your e-mail box. Click **Next**.



Set a PIN code for secure and fast login. Repeat the PIN on the next screen.

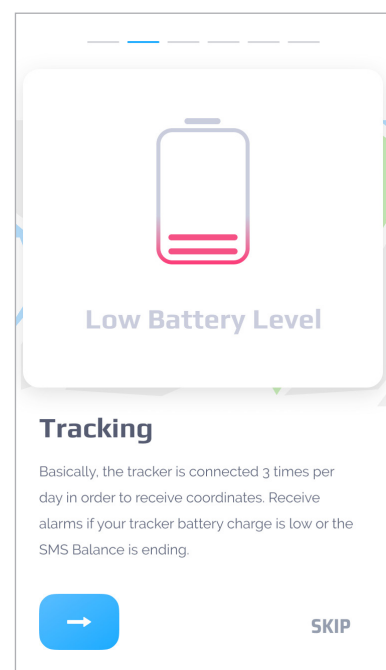
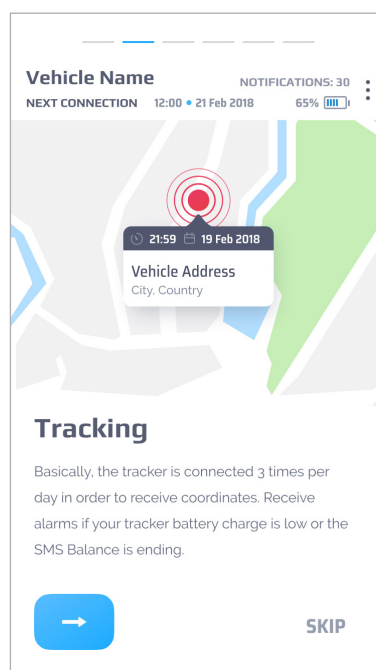
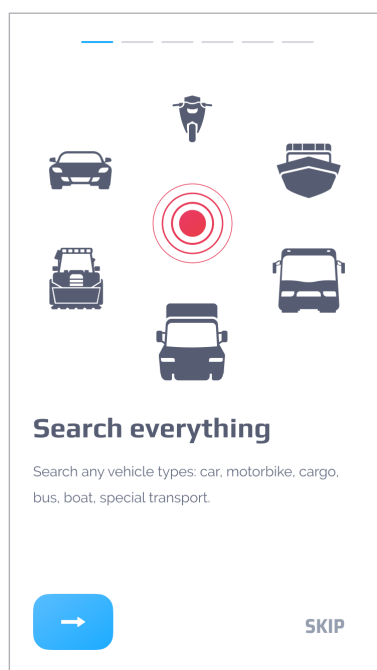


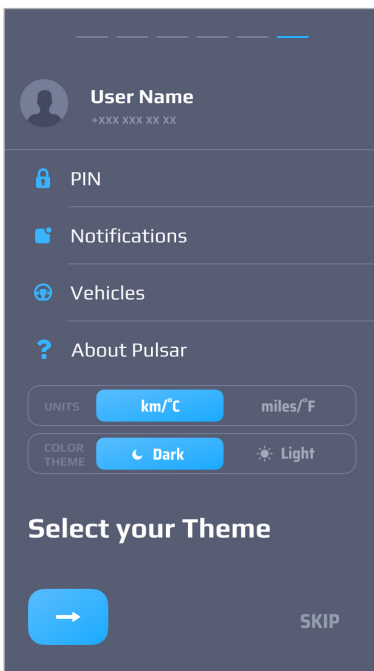
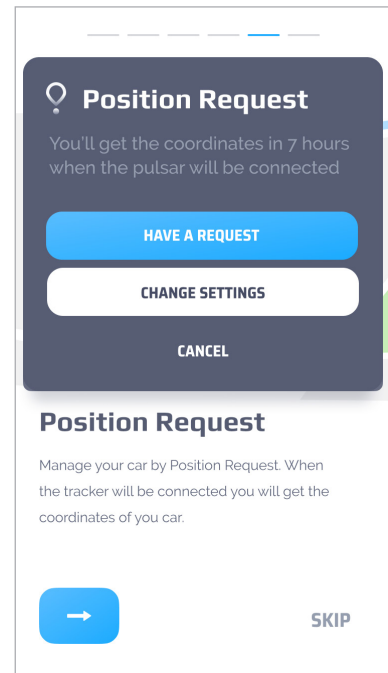
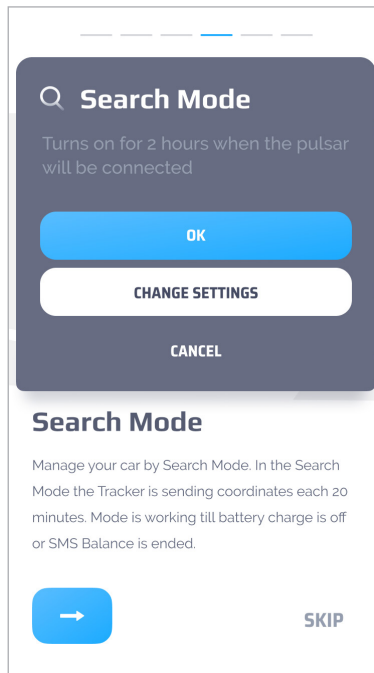
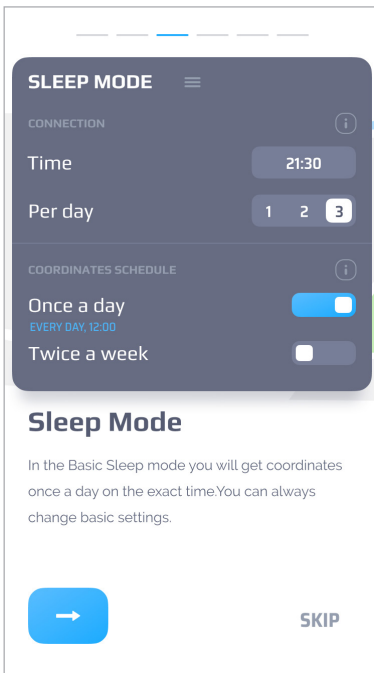
*In case of using the complex version you need to define a secret word for authorization in SOC. The secret word can be changed in Settings.  
Authorization in complex product is carried out by login and password previously received in sms at registration.*

View Onboarding tutorial video or skip it anytime during the video.

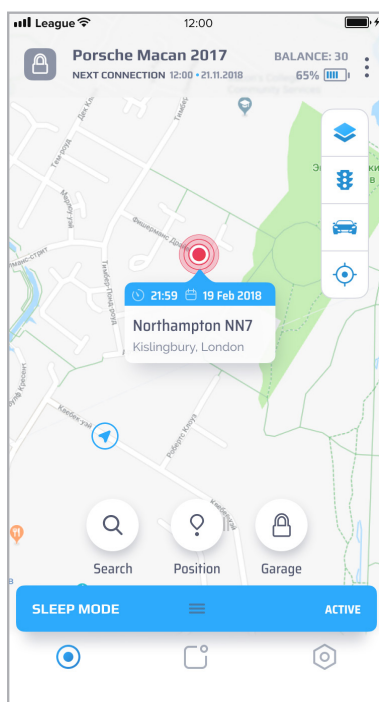


*The Onboarding video will be available in "Settings - repeat Onboarding".*

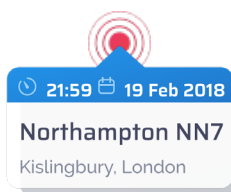




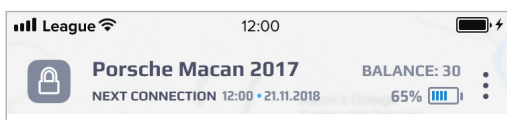
A main screen will be shown after successful PIN code authorization.



The screen represents a map with your current tracker location.



The panel displays time, date and address of the last received tracker position.



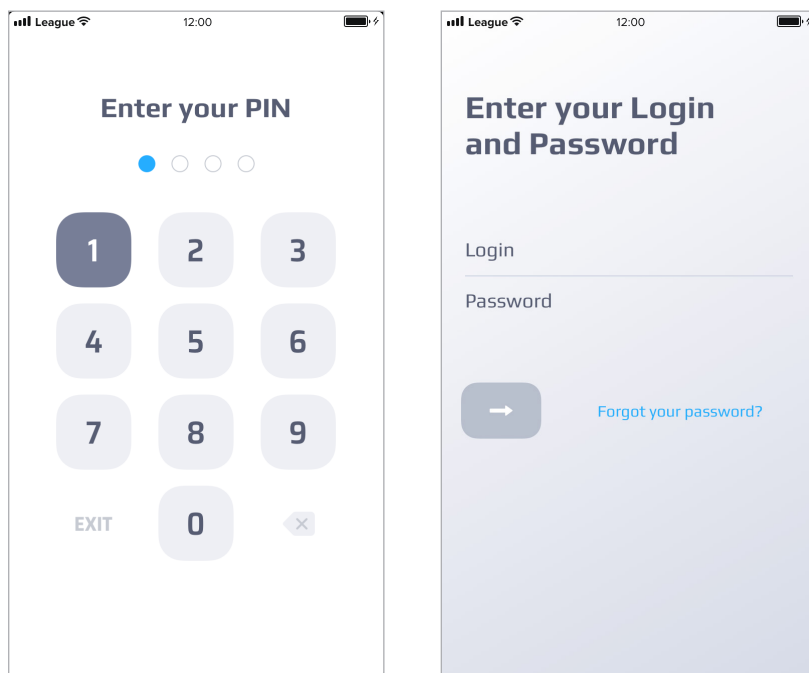
On the top panel you can see

- Time and date of the next device connection to GSM network.
- Notification balance. (Number shows a number of remaining notifications)
- Tracker battery level.

# Regular Authorization

When you launch the app, enter your PIN code to enter the Location Main Screen or click Exit to use Login and Password.

 A PIN verification can be disabled in the app settings. Go to **Settings - PIN** and disable the PIN check.



After the successful authorization, set a new PIN code.

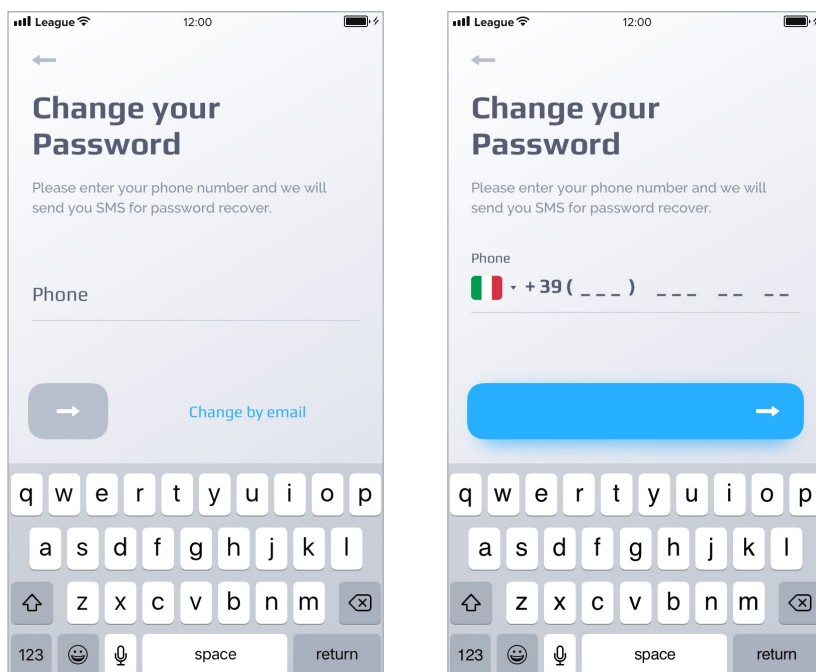
If you forgot your password click the link **Forgot your password?** and follow the password recovery process.

## Password recovery

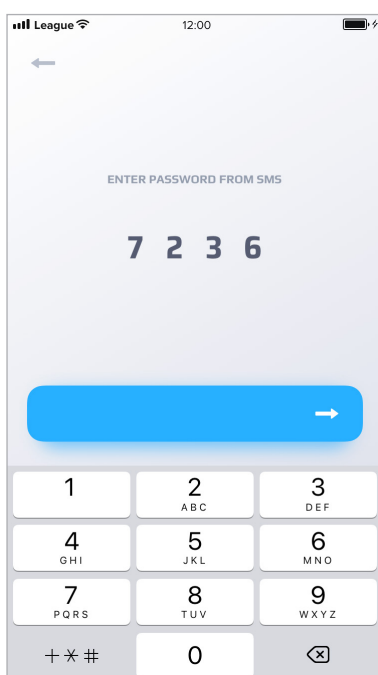
After you click the link, you need to change your password. You can restore it using e-mail or mobile phone.

### Change by phone

By default **change by phone** option is selected.

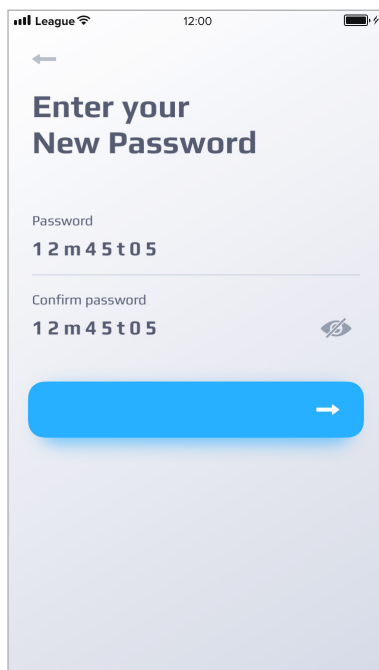


Specify your mobile phone number. Use country search engine to select the right prefix. Wait and enter a OTP (One Time Password) received in sms.



Click **Next**.

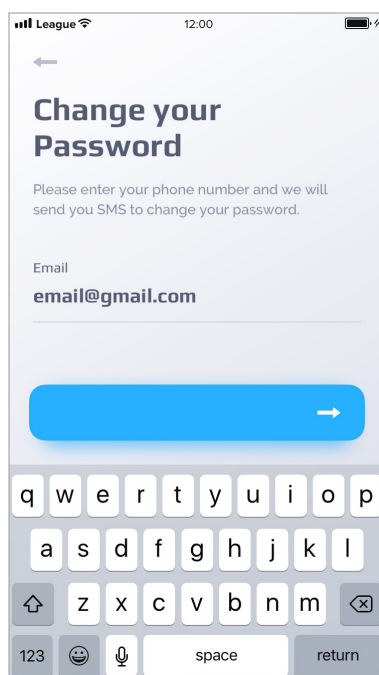
Enter your new password. The icon  shows/hides the entered password.




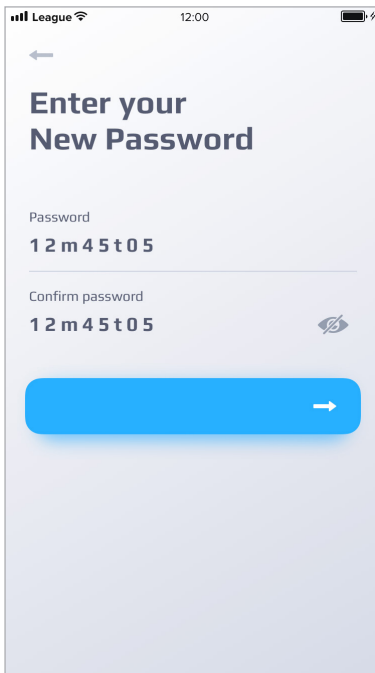
Click **Next**. Set a new PIN code.  
After successful process you will get to the Location Main Screen.

### Change by E-Mail

Click the link **Change by e-mail**. Specify your e-mail address.



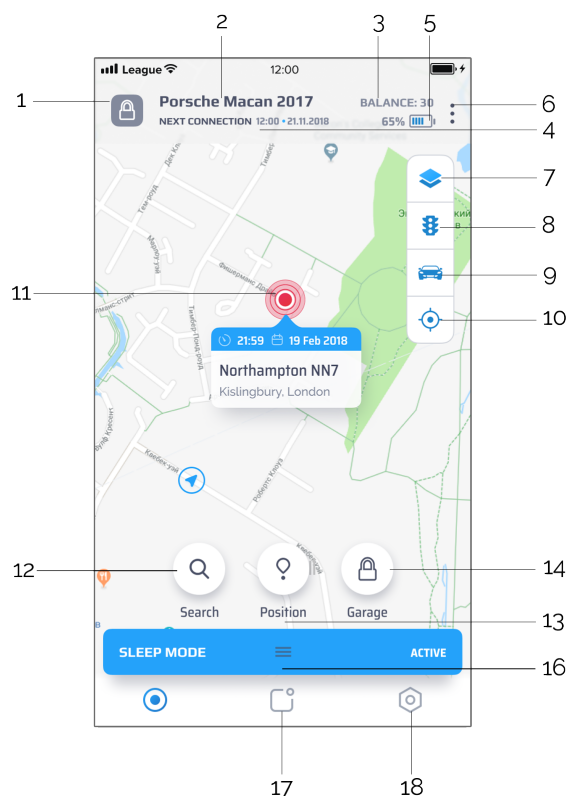
Click **Next**. Specify the new password that you have received in the e-mail box.  
The icon  shows/hides the entered password.



Click **Next**. Set a new PIN code.

After the successful process you will get to the Location Main Screen.

# Location



The location screen contains the following elements:

1. Virtual garage status icon. See Virtual Garage.
2. Vehicle name (Registration number or IMEI). It can be customized in Vehicle settings (6).
3. Balance of notifications.

**i** Can be changed by local mobile operator or telematic service provider, please check the list of available services.

**i** This function is not available in SOC mode, balance is not displayed. SOC controls the device when SOC command is used in order to search and return the vehicle back (Stolen vehicle recovery (SVR) services).

4. Time and date of the next tracker connection to GSM network.

**i** Next connection schedule is set in mode settings. See "Modes" on page 19.

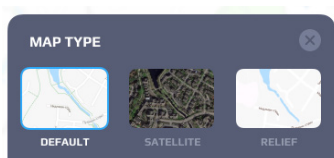
**i** The function is not available in SOC mode. The information is managed by SOC.

5. Tracker battery level.

**i** The function is not available in SOC mode. The information is managed by SOC.

6. Vehicle list button. It opens a vehicle list. Here you can edit your vehicle profile, Add or edit Photo, Vehicle year, Type and Model.

## 7. Map layers.



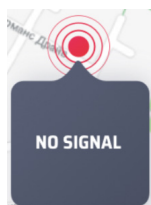
Choose a map type from the options:

**Default** - displays the default road map view.

**Satellite** - displays Google Earth satellite images.

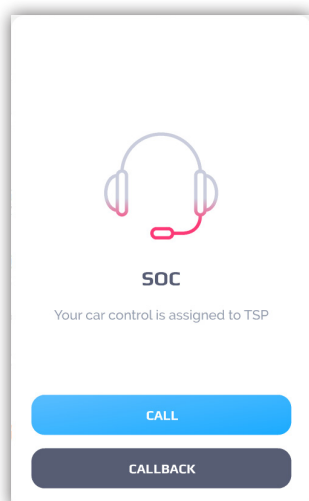
**Relief** - displays a physical map based on terrain information.

8. Traffic jams - adds a layer to the map with a current traffic situation. Vehicle location. Center map view on the current vehicle location.
9. Vehicle location. Center map view on the current vehicle location.
10. User location. Center map view on the current app user location.
11. Tracker location point. Click on the point expands an information panel. The panel contains time, date and address of the last Tracker position. If the tracker does not send any data for the period (Does not send its position on scheduled time), the panel shows **NO SIGNAL**.



**i**

In case of using SOC mode, the map is not available. An alarm pop-up is displayed with information about control relation. At that, you may contact SOC using voice call through your phone or request a call back from your TSP.



12. Search (command for enabling Search mode) - active button. It turns the tracker to Search mode. In Search mode the tracker will send its position more frequently.

**i** The mode will start to operate only from the next connection. Next connection can be seen on the main screen at top panel.

*In Search Mode the telematic device sends its position each 20 minutes. Please use this mode in extreme cases if vehicle theft, cause this mode is working till battery is empty or SMS Balance is ended, or you can set a time limit in mode settings (Mode - Time limit)*

**i** This mode is not available for the user. The feature is regulated by SOC.

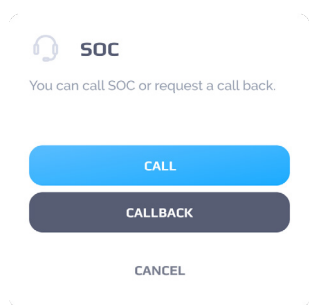
13. Position (command for requesting position) - active button. Manually request the current device position.

**i** You will get tracker position next time the pulsar will be connected. Next connection can be seen on the main screen at the top panel.

**i** This mode is not available in SOC mode. The feature is regulated by SOC.

14. Garage - enable or configure virtual garage mode.

15. SOC - allows you to call operator or request a call-back.



- Call - you will be addressed to SOC contact number.
- Callback - SOC call back to the user.

**i** When interacting with SOC, user identification is carried out by the secret word that is defined in the application. The secret word is defined at first authorization. The secret word can be changed in settings.

16. Modes. The panel shows the current mode (Sleep mode by default). Swipe it to expand the panel and view mode options.

17. Notification section.

18. Settings section.

## Virtual Garage

Virtual garage mode allows you to set a geofence for your vehicle. In case of position of the vehicle will be out of user specified geofence, the user receive an alarm message.



SOC also receives the alarm message and will turn the device into SOC mode.

Virtual garage icon is displayed on the main Location screen.



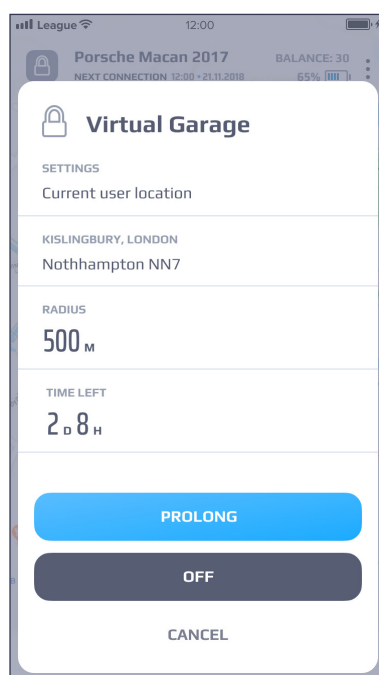
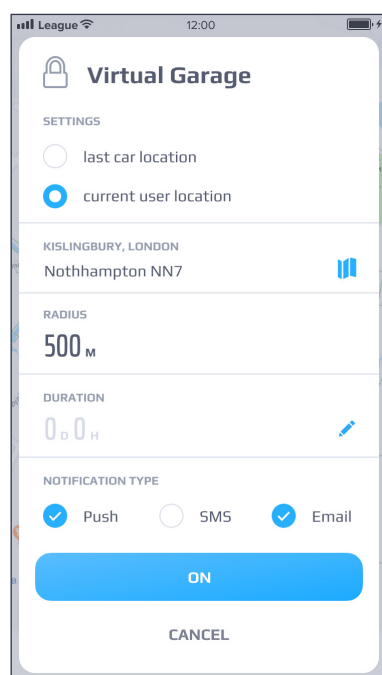
Virtual garage is disabled.




Virtual garage is enabled.

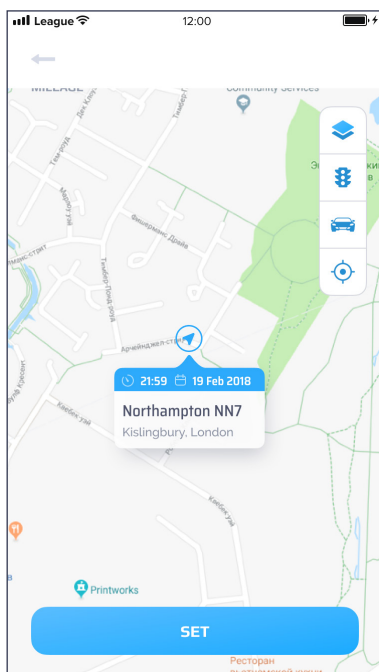
To activate/deactivate the mode click  and configure the mode (see above, **Configuration**). Click On.


In case of the mode is enable you can disable it or prolong. Click **Prolong** - at that, a remaining time will be displayed both with edit form.

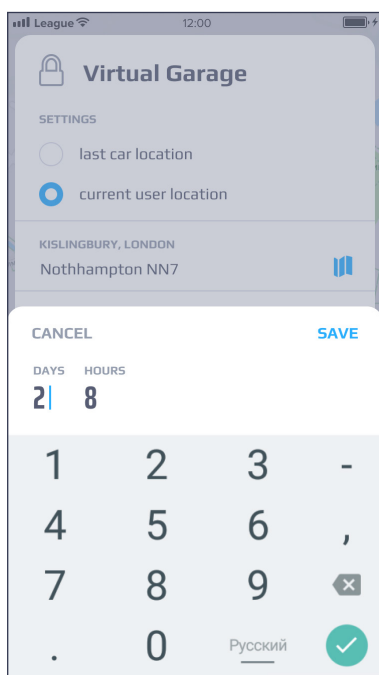


## Configuration

- Settings** (setting a garage geofence)
  - last vehicle location
  - current user location
- Address** - geofence address. The icon  shows the point on the map.




3. **Radius** - radius of the virtual garage geofence. (It is defined automatically by the operator)
4. **Duration** - specify a virtual garage mode duration by clicking on 



**Notification type** - notification types for alarm messages.

- Push
- SMS
- E-mail

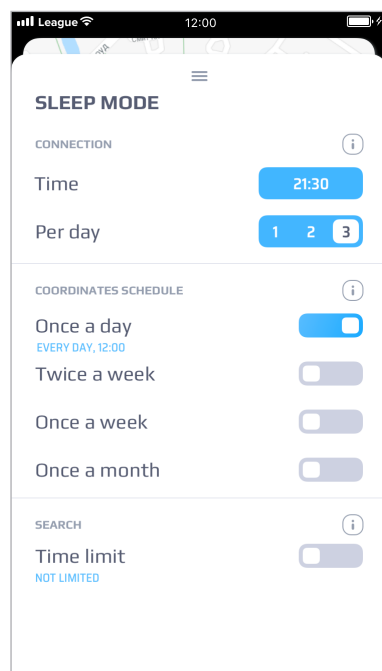
 Available notification types depends on the rate and services provided by TSP.

## Modes

Initially, the telematic device is in Sleep mode. In Sleep mode you will get a vehicle position once a day on the exact time. You can always change basic settings in Modes.



Not available for the user.



The screen has the following elements:

### 1. Connection

*The tracker is connected through mobile network in order to receive position, command Request Position, to turn ON/OFF Modes. Please note that less than 3 times per day connection may prolong the battery lifetime, but it is recommended to use base 3 times per day setting.*

**2. Time** - connection time. The time when the tracker will wake up for GSM connection. Specify a desired time (HH:MM) when the tracker will send its position and periodicity of connection sessions.

**3. Per day** - periodicity of the connection sessions.

### 4. Coordinate schedule

*Please, use the default setting once a day for saving battery, where the device will connect to GSM network 1-3 times per day anyway and you can use command Request position, the tracker will send coordinates accordingly.*

**5. Coordinates schedule options** - Once a day/ Twice a week/ Once a week/ Once a month.

### 6. Search

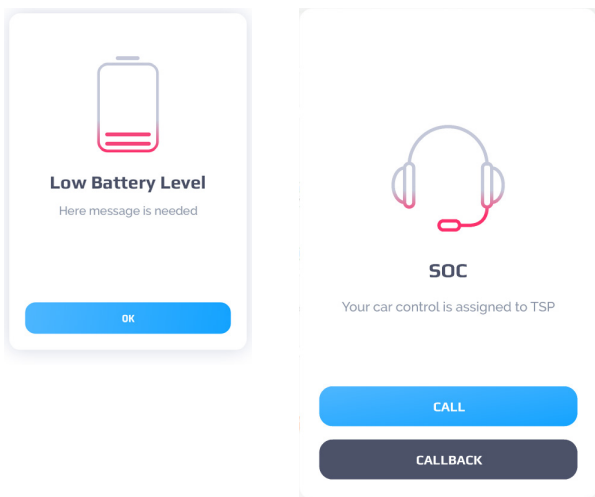
*In Search Mode the tracker is sending its position each 20 minutes. Please use this mode in extreme cases if vehicle theft, cause this mode makes battery level off dramatically and SMS Balance too.*

**7. Time limit** - search time limit. Add a limit for the Search mode in hours.

# Notifications

**i** You can receive alarms if your device battery level is low or SMS Balance is low. (Pop-Up message example is shown below.)  
 You can see a history of the events including position timeline.

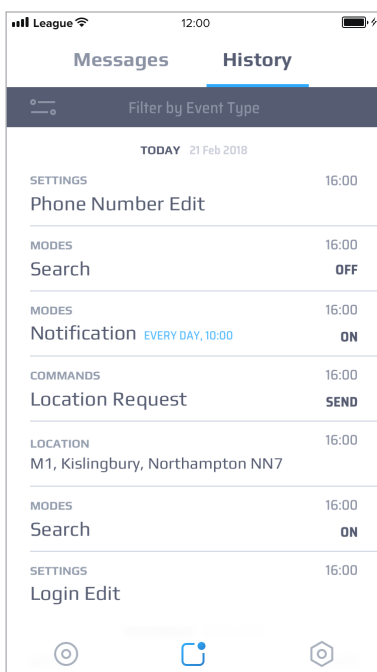
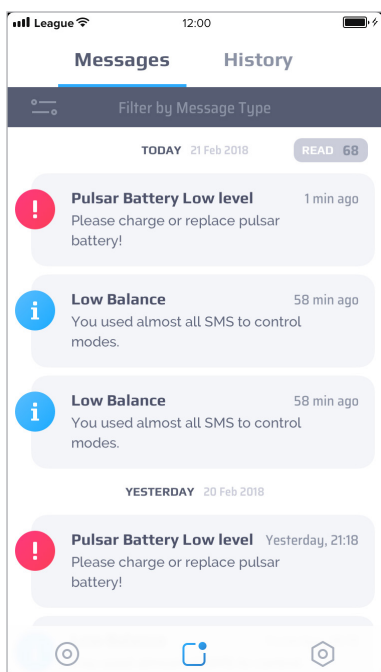
**i** The user does not receive any notifications in SOC mode and is not able to change its settings. All notifications are disabled automatically in SOC mode, excluding notification about SOC vehicle control assignment (SOC mode enable notification).



In this section you can see received alarm Messages and History of events. It is divided into the corresponding tabs: Messages and History.

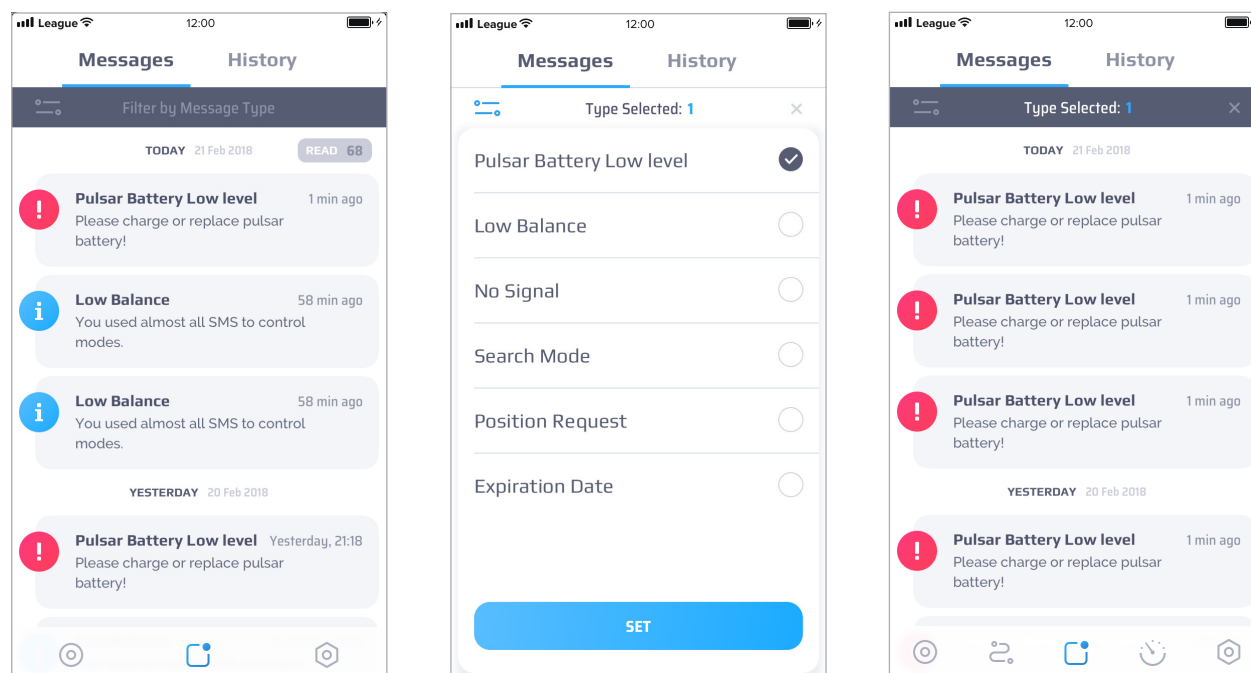
**i** The user will not receive messages, history of events will not be displayed after the SOC button has pressed.

**i** Click on event/message panel to view location of the event. You will be redirected to the location window where the event will be shown with an informational panel.



## Messages

Messages tab contains event, info and alarm messages. Messages are grouped by date.



### Message panel

The message panel contains the following elements:

1. Message type icon:

 Informational

 Critical

 Blocking (e.g. Battery Low Level, Service Expiration Date)

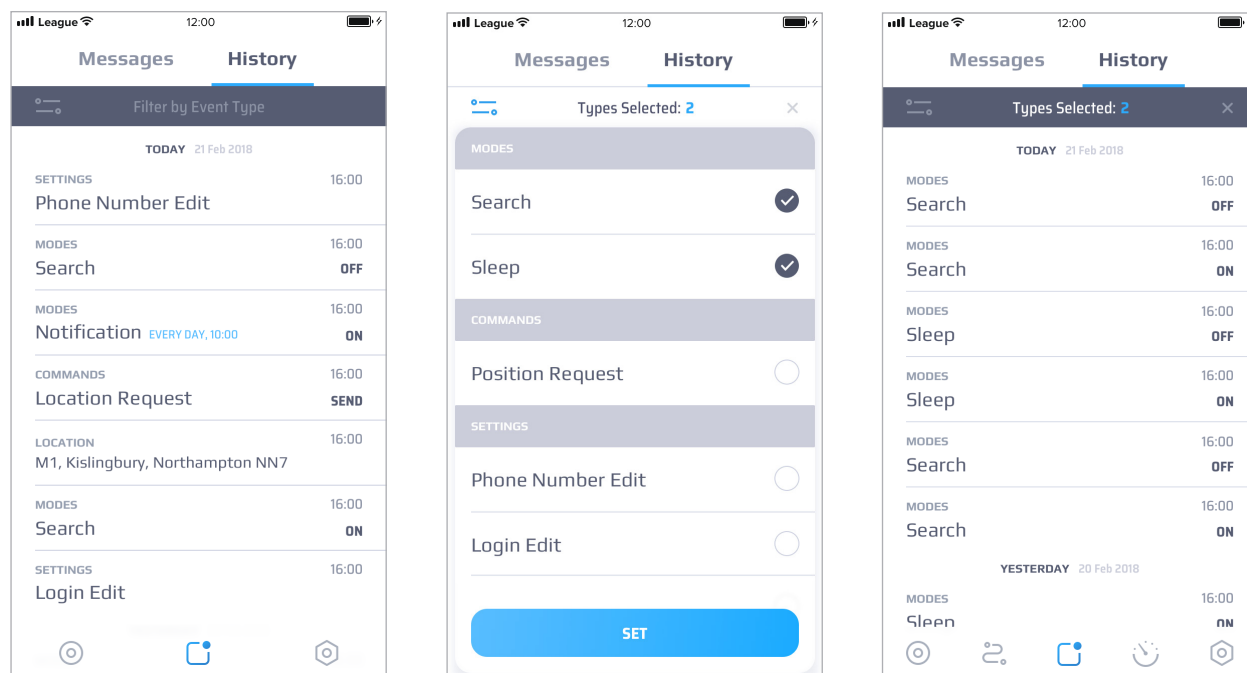
2. Message name
3. Message text
4. Elapsed time from the fact of receiving the message.

 In case of location is available for the message, the icon  is displayed on the message panel. Click the icon to view the location on the map.

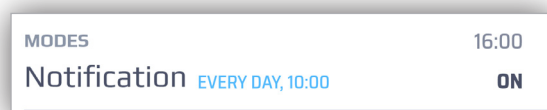
Messages can be filtered using a filter. Click  to filter messages by Message Type. In the Types list, select desired message types using check-boxes. For example Pulsar Battery Low level.

## History

History tab (events history) contains commands, modes history, mode settings etc. Events are grouped by date.




### Event panel



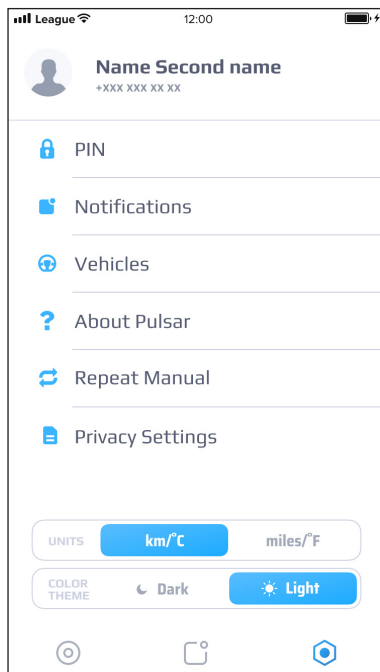
The event panel contains the following elements:

1. Event type
2. Event name
3. Current timer settings if it was specified
4. Time of the event
5. Status of the event

**i** In case of location is available for the event, the icon  is displayed on the event panel. Click the icon to view the location on the map.

History events can be filtered using the filter. Click  to filter by Event type. In the Types list select desired Event types using check boxes. For example Search and Sleep modes.

# Settings



Settings screen elements:

1. **Photo/Name/Phone** - personal settings. Click on the item to edit your data (Login, Password, E-mail, Phone number, Control question)
2. **PIN** - change your pin. Also here you can enable or disable pin check.
3. **Notifications** - turn on or off notification you would like to receive. Details see in **Notifications**.
4. **Vehicles** - here you can edit the name of your vehicle or Pulsar device.

**i**

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Edit option is unavailable. Information control is carried out by SOC.

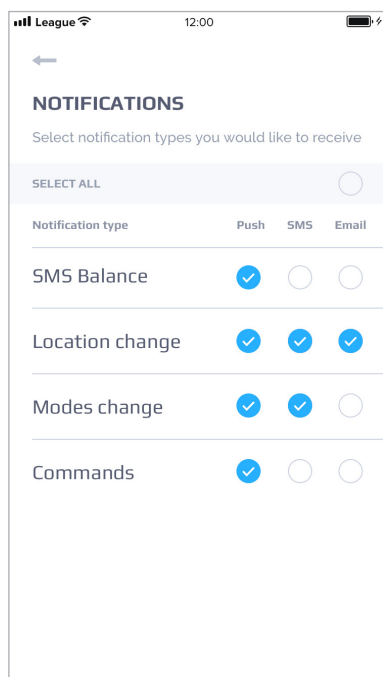
5. **About Pulsar** - the current installed app build and app description.
6. **Repeat Onboarding** - repeat video tutorial (you can skip the clips during the video).
7. **Terms and Conditions** - view and accept/decline Terms & Conditions. Details see below in **Terms & Conditions**.
8. **Units** - select metric or imperial units (km/C or miles/F)
9. **Color Theme** - select color theme (Dark or Light). Dark theme screen examples are shown below.

## Notifications

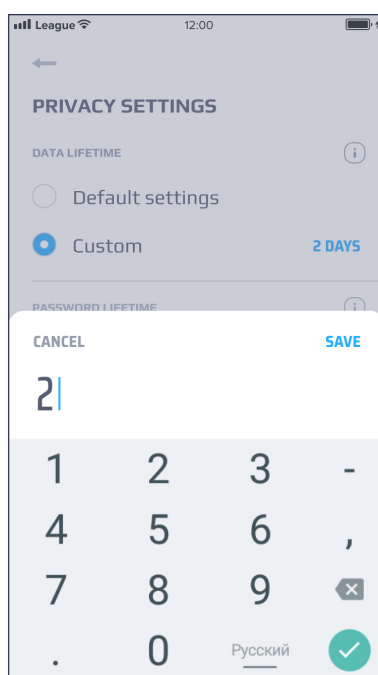
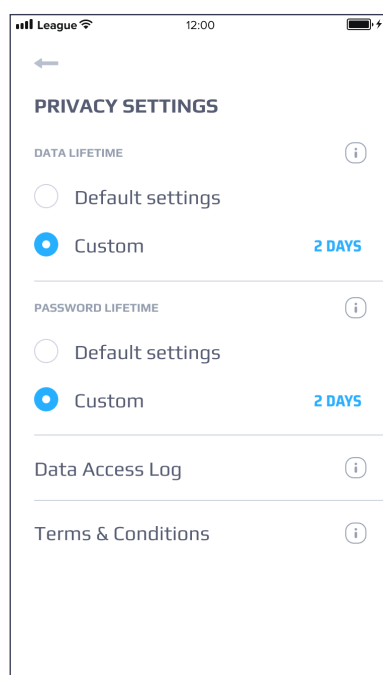
In this section you can choose which type of notifications you want to receive. Use check-boxes to select ways of delivery (Push/SMS/Email).



When using SOC mode, all notifications are disabled. Notifications are managed by TSP.



## Privacy settings



## Data Lifetime



This function is not present in the product.



You can strictly limit the lifetime of sensitive data acquired by device and service system. Upon the expiration of the lifetime all the data, that is stored in the service system will be deleted or anonymized. When you increase the custom value of the data lifetime, data that has been already deleted or anonymized during the previous process of configuring data lifetime can't be restored.

The data to be deleted or anonymized:

- Track points - will be deleted.
- User defined events occurs - will be deleted.
- Stops history - will be deleted
- Trips – will be anonymized
- Events history – will be anonymized
- Message history – will be deleted

To edit you data lifetime settings click **Custom** and specify number of days using the slider. Click **Save**.



When you increase the custom value of the data lifetime, the data that has been already deleted or anonymized during the previous process of configuring data lifetime can't be restored.

## Password Lifetime



You can limit the lifetime of your password. Every time, when the password is changed, the system adjust date and time of the password expiration. If the password is expired, you will be redirected to the page of creating a new password.

To set up a password lifetime, click **Custom** and specify number of days using the slider. Click **Save**.

## Data Access Log

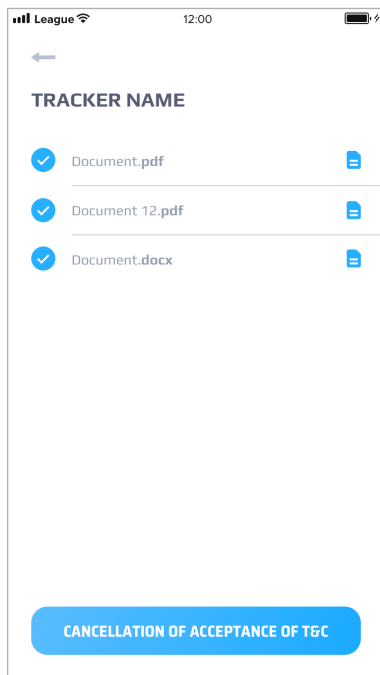
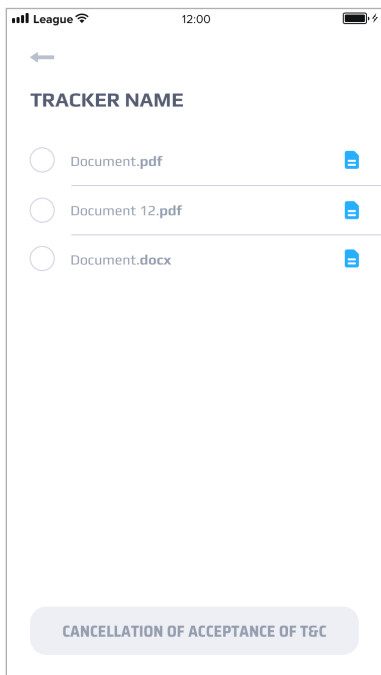
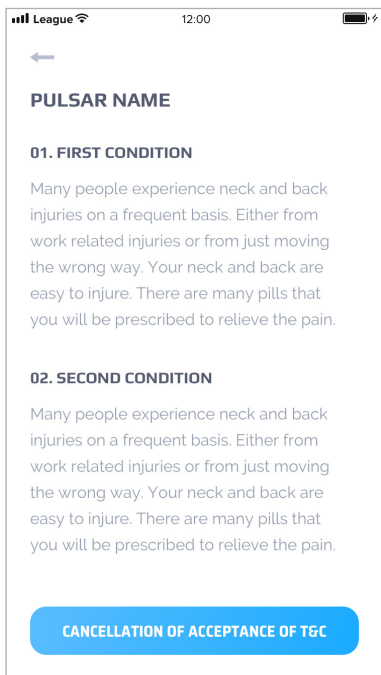
In the section you can view information about connections of the device to GSM network.

	Session start	Application type
4	31.08.2018 18:00	Mobile
	Duration	IP address
	20 min	XXX.XXX.XXX.XXX
3	31.08.2018 18:00	Mobile
	Duration	IP address
	20 min	XXX.XXX.XXX.XXX
2	31.08.2018 18:00	Mobile
	Duration	IP address
	20 min	XXX.XXX.XXX.XXX
1	31.08.2018 18:00	Mobile
	Duration	IP address
	20 min	XXX.XXX.XXX.XXX

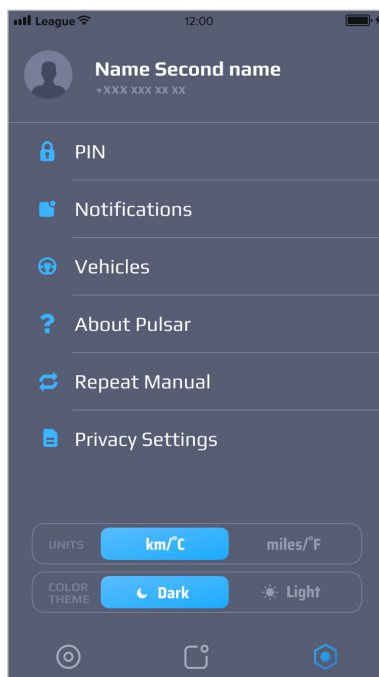
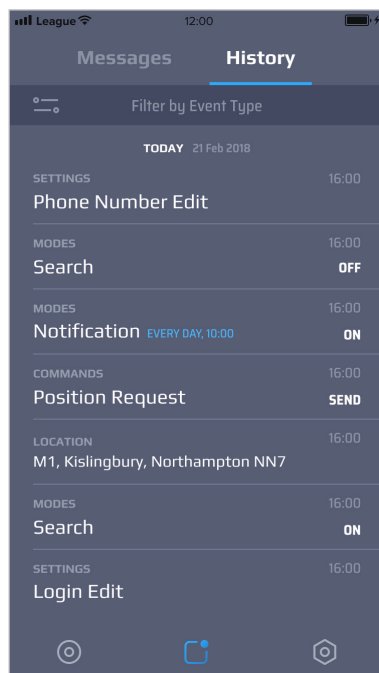
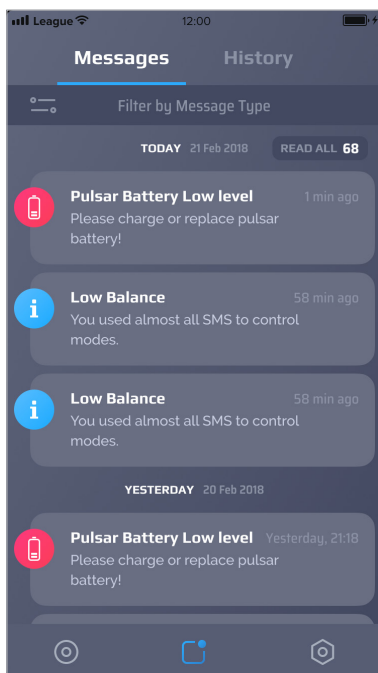
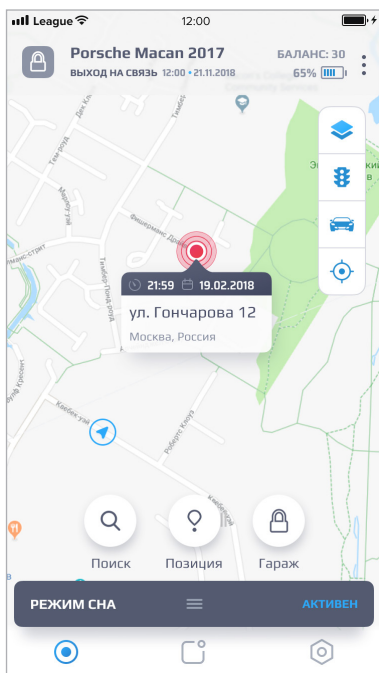
## Terms & Conditions

A **Terms and Conditions agreement** is the agreement that includes the terms, the rules and the guidelines including privacy policy e.g. GDPR in Europe to which users must agree in order to use the mobile app services.

Select and accept all of terms & conditions. Otherwise you will not have access to the application until you select and accept all of the files. Also, if some terms & conditions was changed or added you should accept it again during the authorization process.



## Dark Theme



# How-To

## Receive position once a day or by another schedule

You can adjust Meta Pulsar GSM connection periodicity and time in mode settings. Click on the mode panel in the **Location** screen. In the opened window, specify a desired time and periodicity in the **Connection** section. For example at 21:30, 3 times a day.

## Use Request Position for Search, but be noted that the position will be received on the next device connection to GSM network.

If you want to update the position of your vehicle as soon as possible, use the **Position request**. On the **Location** screen click the **Position** button. You will get position in next N hours when the tracker will be connected. N hours depends on the connection preferences that you can see in the **mode settings**. For example, tracker sends its position at 21:30 but connects 3 times per day. You can get the current position also at one of the 3 connections. At nearest connection session, tracker will receive the position request command and returns its current position. You will be notified when you get the new position. Also you can see the event in the **Notifications** section, in **Events** tab.

## Use Search mode in case of theft (without limit, or with)

If your vehicle was stolen and you want to poll the current vehicle position more frequently, use the **Search mode**. The tracker will send its position every 20 minutes. Use this mode in extreme cases, cause this mode makes battery level low dramatically and SMS Balance too.

Also, when you enable the **Search mode**, it will operate only from the time of next connection. The current connection time and periodicity you can see in the mode settings. Also here, you can enable time limit for the **Search mode**. It helps not to waste all of your sms and battery.

## Enable Virtual Garage

Use **Virtual Garage** feature for protecting your vehicle. If the device is still not in connection use **current user location** option (its radius is 500 meters by default) to rule out imprecision of location detection. Enable the mode for required limited time. In case of position of the vehicle will be out the geofence, you will receive an alarm message (push/sms/e-mail depending on services included in the product). In case of complex product version, the alarm will be sent to SOC.

## Use SOC mode (Complex product version)

In case of an emergency situation, when you can't find your vehicle, use a **SOC call**. SOC will carry out the search and **Stolen Vehicle Recovery (SVR)** service. In this mode, all features of the mobile app will be locked, and be assigned to **Operator**. **Operator** will return the control of your device back as soon as the service will be provided,

## See all events including positions in the history of events

In the **Notifications** section you can see all received notification messages. Some of events can provide the location info in case of they attached to some location. Click on the event to view it on the map. For example, click on the location event in history tab. It will show a location point of your tracker at the moment of the event.

## Change your theme in Settings

The app has 2 color themes: Dark and Light. To switch between them go to **Settings - Color Theme**.

## Make notifications OFF

If you don't want to receive notifications for some events, you can disable them in **Settings - Notifications**. Turn off the notifications you would not like to receive.

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