



Ferguson. **CarAssistant**

User Manual

Ferguson Car Assistant

FMB010

pl_v1.2



Treesat.io Friendly™



FERGUSON

ATTENTION!



Before installation, read these instructions.

Making any construction changes or unauthorized repairs is forbidden and will void the warranty.

1. Product Introduction

Ferguson Car Assistant is an alarm system consisting of a small electronic device and a free application for smartphone. The module is installed in your car and connected to the power supply. It is provided with a permanent, remote connection to the server and application over the mobile network. Thanks to it, the user receives a number of functions, e.g. a theft alarm with a map or an accident detection system informing about a possible collision. If the car is not used, our specially designed device goes into sleep mode, saving the battery. The map and navigation also help you find your car left in the parking or in a foreign city.

Ferguson Car Assistant is an easy-to-use, real-time tracking GPS position monitor with GNSS and GSM connectivity, which is able to collect device coordinates and other useful data for transmission through the GSM network to the server.

This device is perfectly suited for applications in which it is required to acquire locations of vehicles: fleet management, car rentals, taxi companies, passenger cars, etc..

2. STARTING

1. Read the user manual;
2. Install the application and register your account;
3. Add your device by entering device data into the application;
4. Connect the device to the OBDII socket in your car;
5. Check the status of the device by observing the LEDs on the device;
6. The device is ready to work.

3. CHECKING OPERATIONS

After connecting the device, check its proper operation by observing the LEDs:

Behavior of the LEDs diode "Status" (GSM):

- The diode blinks every second - normal operation, the GSM signal has been stabilized.
- The diode blinks every two seconds - GSM is in a deep sleep mode.
- The diode blinks quickly for a short time - GSM sends data to the server.
- The diode blinks continuously - the device is updated.
- Diode is off - GSM modem is faulty.

Behavior of the LEDs diode "Navigate" (GPS):

- The diode is lit with continuous light - no GPS signal, the module is looking for satellites.
- The diode blinks every second - normal operation, the GPS signal has been stabilized.
- The diode is off - the GPS module is turned off or the GPS is in deep sleep mode or the GPS antenna has a short-circuit.

4. AVAILABLE FUNCTIONS DEPENDING ON CHOOSSED PACKAGE

FUNCTIONS	PACKAGE	PINS	Car Assistance
Current speed		✓	✓
Over speeding alarm			✓
Theft alarm			✓
Battery voltage			✓
Voltage alarm			✓
Power failure alarm - sabotage			✓
Accident alarm (e-CALL)			✓
A reminder about the review			✓
Reminder about the ending insurance policy			✓
Navigating to the car		✓	✓
Counter of traveled kilometers			✓
Determining private/business travel			✓
Ignition on / off		✓	✓
Mapping the route		✓	✓

The above shows the basic functions available in the application, depending on the package purchased. On the website www.car-assistant.pl you can extend the above packages with additional functions such as: route history, driver time measurement, temperature reports, route calculation, integration with the transport exchange, instant messenger *, live camera image *.

* Additional device required.

5. TECHNICAL SPECIFICATIONS

GSM

- Quad-band 900/1800 MHz; 850/1900 MHz
- GPRS class 12 (up to 240 kbps) SMS (text/data)
- SMS (text/data)

GNSS

- Tracking: 33/ 99 acquisition channels
- -165 dBm sensitivity
- Hot start <1s
- Warm Start < 25s
- Cold start < 35s
- NMEA-183 protocol
- GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS
- Accuracy < 3m

Interface

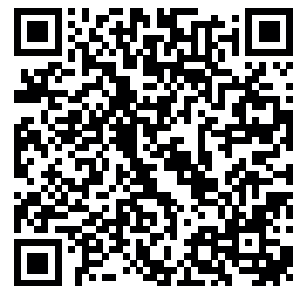
- Accelerometer
- Power supply (+10...+16) V DC
- Integrated back-up battery
- Internal High Gain GSM antenna
- Internal High Gain GNSS antenna
- Dimensions: L(50,7mm)xW(49,6mm)xH(25mm)
- 2 Status LEDs
- Configuration and firmware upload (FOTA and via cable)
- Temperature working: -25 °C to +55 °C
- Humidity: 5% to 95%
- IP41

6. APPLICATION

All applications (PINS, CarAssistant, Fleet Manager Lite and Fleet Manager) communicate with the same server. By registering a new account in one of the above-mentioned systems, the User creates a universal account that allows logging in to each of them after purchasing the appropriate package.

Download CAR ASSISTANT APP

The Car Assistant application for the Google Android system can be downloaded from the Google Play store, while the Apple iOS version from the Apple iTunes Store. Find the application in the store by scanning the following QR codes.



Download PINS APP

The PINS application for the Google Android system can be downloaded from the Google Play store, while the Apple iOS version from the Apple iTunes Store. Find the application in the store by scanning the following QR codes



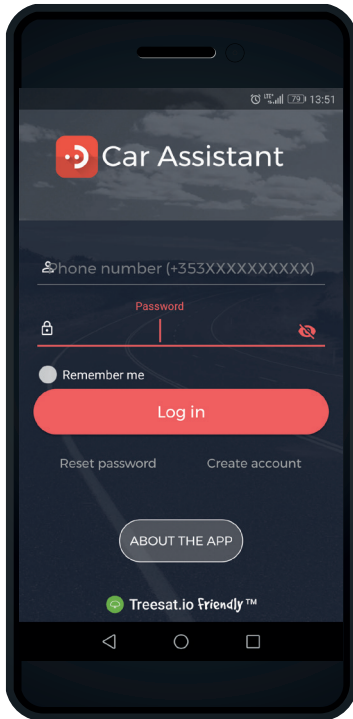
Requirements

For proper operation of the application it is necessary to have a mobile device (smartphone, tablet) with the Google Android operating system version 4.0 or higher or an Apple brand mobile device with the Apple iOS operating system version 9.0 or higher.



CarAssistant

CarAssistant App

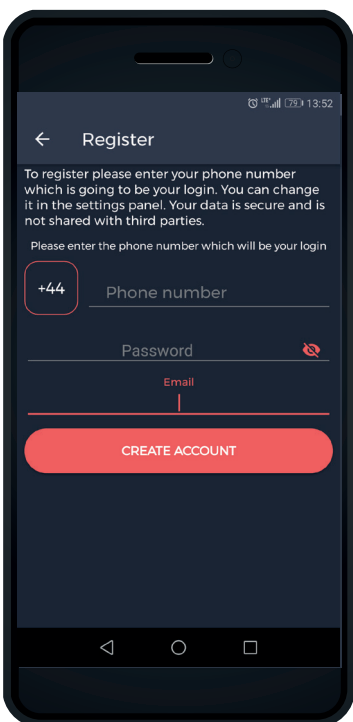
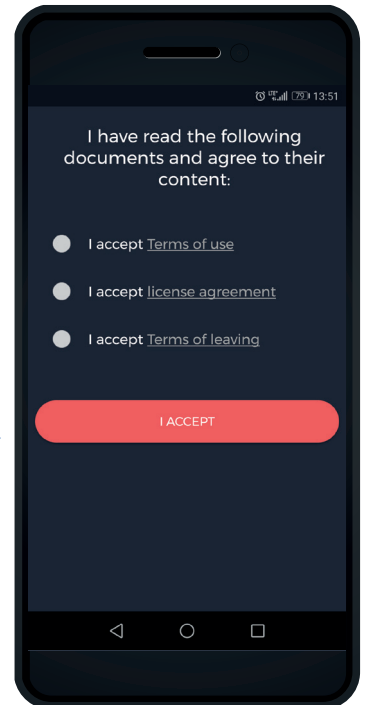


Starting the application

To set up a new account, user should run the Car Assistant applications. On the log in screen, under the log in button, there is "Create account" option, which allows user to create a new account.

Acceptance of conditions

Before creating an account, read and accept the documents: the regulations, the license agreement, an withdrawal agreement.

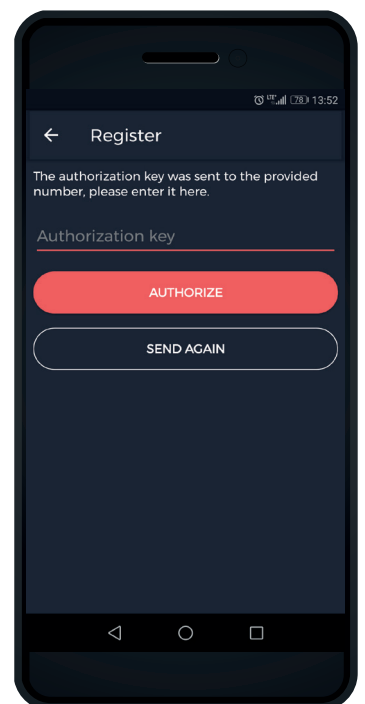


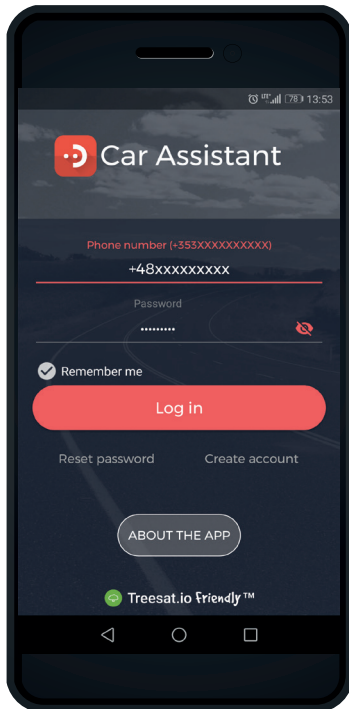
Creating login and password

The next step in setting up an account is entering the phone number, password and email address. Keep in mind that before the phone number, select the country code. The account password is any string of characters entered by the user. The password must be at least 6 characters long.

Authorization

To confirm the account you have set up the phone number provided (login) with SMS is sent a key authorization. The key should be entered in application in the field "Authorization key". "Activate" button starts the procedure of creating an account.





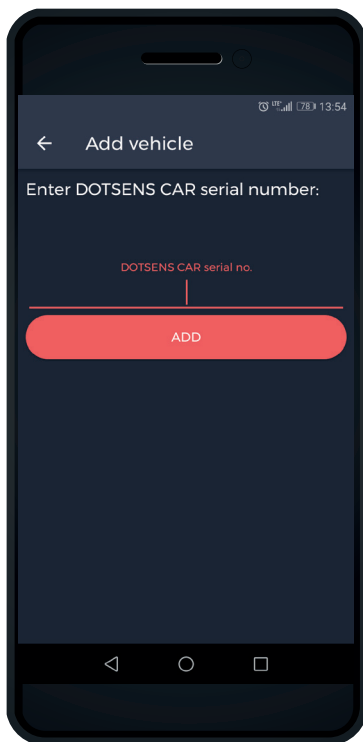
- After starting the application on the start screen, enter the login (prefix + phone number, e.g. +4811222333) and password provided during account creation. The Car Assistant application allows the user to remember login details.

After logging in correctly, the main application screen is displayed.

After leaving the application on the main screen of the phone, the application works in the background.

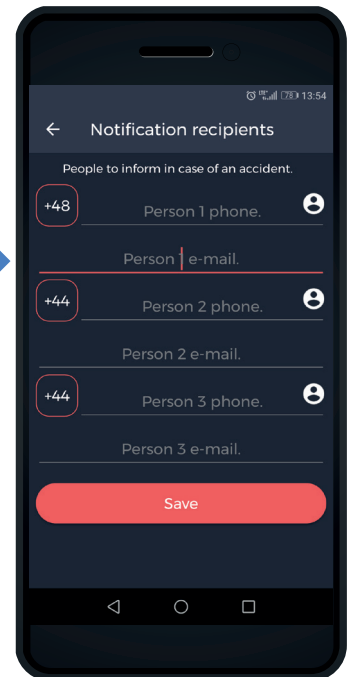


Device adding

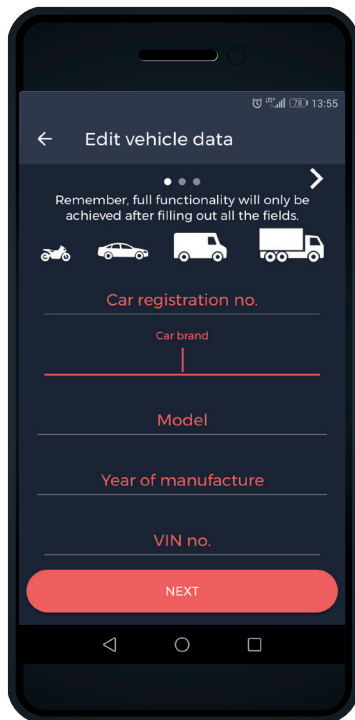


- Step 1
Enter the serial number of the device. The serial number is located on the module housing. The entered serial number must be confirmed by ADD button.

Step 2
Enter contact person who is suppose to be notified about an accident. Enter the phone number or select from the contact list the person who will be notified of a potential accident and the e-mail address to which the notification should be sent. The application allows you to enter 3 phone numbers and 3 e-mail addresses to which notification will be sent. Contacts can be completed after the device has been correctly added (Profile, Notification people).



Add the device and reset password

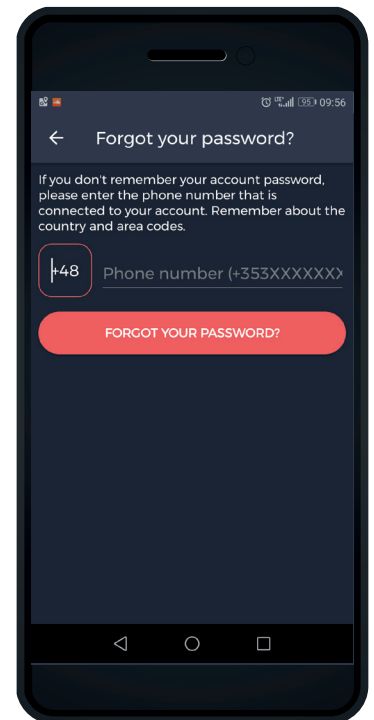


Step 3

After correct add of the device, the Car Assistant application will display the screen shown. The user can enter other data about the car, e.g. car registration number, set reminders, e.g. technical examination, insurance policy date. It should be remembered that the lack of car data makes it impossible to use reminders and alarms.

Password reset

The application allows you to give a new password. In order to do this, the user must enter login (prefix + phone number) and confirm with the button. Car Assistant will display a screen in which the user should enter the code received through SMS and enter a new password (string containing at least 6 characters)



Main screen

The car section displays the name, photo, current speed and battery voltage. In addition, in the car section you can set the speed limit and enable / disable alarms. In the upper left corner of the car section there is an icon that allows you to view the user profile.

The name of the car and data edition

A photo of the car

Battery voltage

Current speed

Private/Business travel

Alarm switch

Speed limit

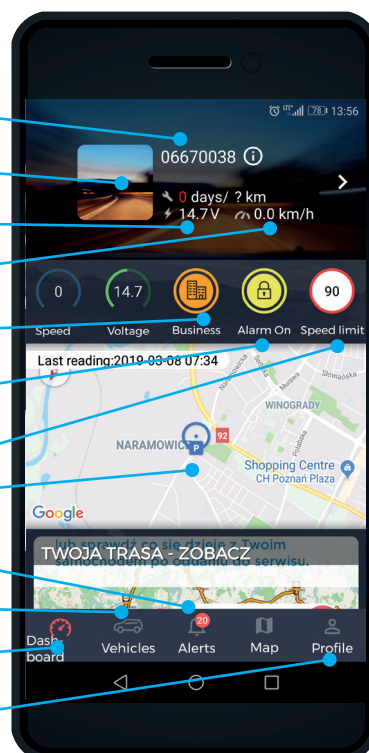
Location of the car

List of notifications

List of cars

Main screen

User profile



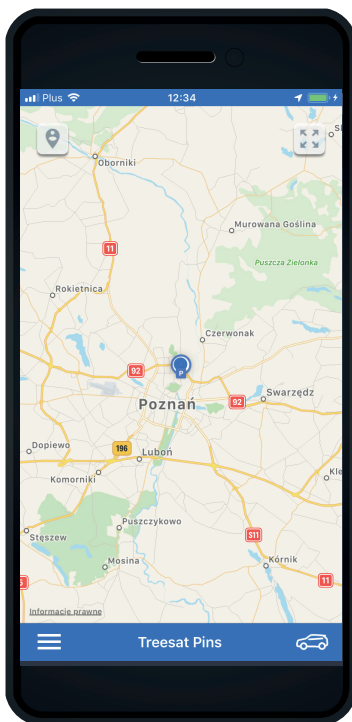
PINS APP

Treesat PINS allows quick access to the position of your car. Using the map, you can easily check how many kilometers the driver is from the destination or set a route to the lost car in the parking lot.

Treesat PINS functions:

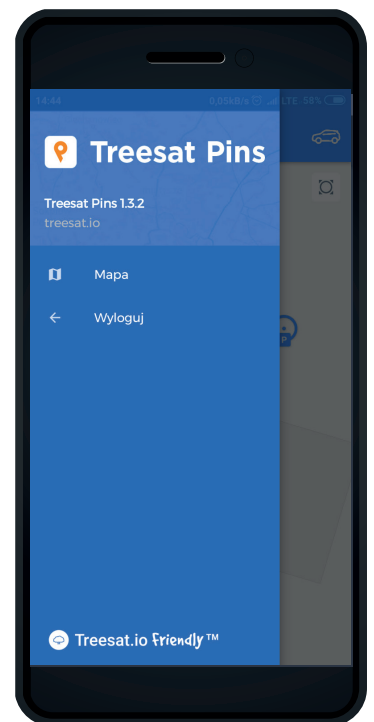
- User-friendly interface,
- Information about your cars (stop, driving, speed),
- Car location,
- Tracking the position of cars,
- Integration with Google's navigation,
- Route from your location to the selected car

The procedure for creating an account, logging in and password recovery looks the same as it the CarAssistant app.



◀ The main screen shows the current position of the car and the current speed.

From the side menu it is possible to go to the map screen display, add another car for tracking and the option to log out from the application. ▶



7. MARKING

About User Manual

Ferguson Sp. z o.o. has made every effort to provide the most current information about this product. Ferguson Sp. z o.o. does not grant any guarantee as to the contents of the present instruction manual and disclaims any implied guarantees concerning market value or suitability for specific purposes. The information contained herein is an instruction intended to enable the correct usage and maintenance of the receiver. Ferguson Sp. z o.o. reserves itself the right to introduce amendments, changes or translations of the instruction manual without prior notification thereof. For this reason, we recommend you regularly visit our website in order to obtain the latest information.

Ferguson Sp. z o.o. does not take responsibility for damages caused by improper use of the Ferguson CarAssistance system. Warranty for accessories (such as power supplies, brackets, cables) and consumables (such as batteries and accumulators) is 6 months for both consumers and businesses from the date of purchase.

After expiry of any package (annual / monthly), the user must purchase any package within 30 days on the website www.car-assistant.pl. If you do not buy any of the packages, the SIM card is deactivated. Re-activation of the device will result in the user incurring the replacement costs of the SIM and its re-activation.



Risk of electric shock - do not open. This notice warns the user not to open the receiver housing. The housing may be opened solely by authorized service technicians.



The logo informs that the receiver conforms to the terms and conditions of Directive 2014/30/EU concerning observance by Member States of provisions regulating electromagnetic compatibility, and to the terms and conditions of Directives 2014/35/EU concerning observance by Member States of provisions regulating low voltage electricity and safety with relation to the handling and operation of electrical equipment.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2012/19/UE. Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.



When this logo is attached to a product, it means a financial contribution has been paid to the associated national recovery and recycling system.



This mark tells you that the device is following The Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment 2011/65/EU (commonly referred to as the Restriction of Hazardous Substances Directive or RoHS)



Ferguson.CarAssistant

www.car-assistant.pl

helpdesk@treesat.io

Ferguson Sp. z o.o.
ul. Bernardyńska 2
64-000 Kościan