NAVITEL RE 5 Dual Navigation DVR User Manual

User Manual
NAVITEL RE 5 DUAL
Navigation DVR

Contents

Device Layout

1. On/Off button	8. Stylus
2. MicroSD slot for maps	9. Mini-USB port
3. 3,5 mm mini-jack audio connector	10. Rear camera port
4. Speaker	11. Mini-USB port
5. MicroSD slot for DVR	12. Display
6. Lens	13. Charging LED indicator
7. Magnetic connector	14. Reset button

Technical Specification

Operating system	Linux
CPU	MSB2531A
RAM/Internal memory	256 MB / 8 GB
MicroSD card capacity	Max. 32 GB
Battery	800 mAh
Power	5V, 1,5A
Display	5.0'', 480x272 TFT
Speaker	Built-in. mono
G-sensor	Built-in
GPS	Built-in
FM transmitter	Built-in
Camera sensor	GC2053 (Night Vision), 2 MP, Full HD 1080P
View angle	140°
Lens	4-layer glass
Rear camera	Support

⚠ The actual value of the capacity of a new battery at the time of its commissioning can vary from 80 to 110% of the nominal value.

Package Contents

- Navigation DVR NAVITEL RE 5 DUAL
- Car holder (windscreen)
- Stilus
- Cable mini-USB USB
- Car charger 12/24 V
- User manual
- Warranty card

Note: complete set, appearance, technical characteristics, which do not change the general functionality of the device, can be changed by the manufacturer without prior notice.

Installation

1. Insert the microSD card into the appropriate slot of the device*. Use a high-speed SD card (Class10 or above); capacity should be within 8-32 GB.

⚠ • To avoid malfunctions of the DVR and / or SD-card, don't insert and remove SD-card during DVR operation.

• Before using a microSD card, please format it inside the DVR to avoid data errors. For formatting the SD-card in Menu mode select Format SD-card and confirm it.

2. Mount the device to the windshield using the mount. Do not use excessive force to avoid any damage.

3. Connect the car charger to the cigarette lighter socket.

4. Connect the car charger to the DVR input (mini-USB).

5. Turn the power on; the DVR will start up and begin recording automatically.

6. Adjust the DVR position.

*Attention

The device has two slots for microSD memory cards (2) and (5). The first slot (2) is for a memory card where additional cards can be stored. The second one (5) is for a memory card to which the DVR records are saved. When connecting the device to the computer, only the memory card inserted in the slot (2) is displayed. You can view files from the memory card of the DVR only using the built-in media player, or using a card reader on a personal computer.

Safety Information

- Adjust all the settings required before starting to drive. It is GPS receiver is getting good signal. extremely dangerous to manage the device and configure its · Pay particular attention to the place where you intend to settings while driving. If you need to modify the navigation install the device. Do not install the device in places where it settings or device parameters, you should park your car in a may interfere with operation of safety bags or block the road safe place in accordance with the driving regulations.

- Familiarize yourself with the planned route before moving off. If you happen to miss a voice prompt and you need to take a look at the display to catch up, make sure the road conditions are safe enough for that.

- It is possible that the navigation data and voice prompts don't match the real road condition or driving regulations. You should always pay particular attention to the road conditions, road signs, and pedestrians.

- Do not use the navigator as a tool for precise measurement of speed and covered distance.

- Quality of satellite signal reception may vary depending on position of the device in the vehicle. Quality of the signal may suffer inside a tunnel, near multi-storey buildings, or in a densely built up area. Certain weather conditions, such as heavy mist, may cause a negative effect on reception quality of the signal.

- It is possible that the GPS signals cannot be received close to where an electromagnetic source is situated or inside buildings.

- If you have not used the device for a long period, it will take significant amount of time to locate your position even if the GPS receiver is getting good signal.

- Pay particular attention to the place where you intend to install the device. Do not install the device in places where it may interfere with operation of safety bags or block the road view.

- When attaching a holder to the windscreen of your car, pay attention to surface cleanliness. The area should be clear of dust, dirt, and other impurities, there should also be no bubbles under the vacuum cup since it may affect holding strength. Any damages of the device and other objects inside the vehicle caused by detachment of the holder are sole responsibility of the user and are not covered by the warranty certificate.

- Do not subject the device to the long-term exposure to sunlight and high temperatures. Battery overheating may cause explosion.

- Do not expose the device to moisture and quick temperature changes as it may result in water condensation within the device and cause damage. If the device has been exposed to moisture, do not switch it on until it is completely dry.
- Independent intervention, modification, and opening of the case are prohibited as it may result in the device working incorrectly and in extreme cases can cause damage. Any alterations to the device must be carried out by qualified personnel.
- The device takes its power from the built-in Li-Pol battery, which can explode or release toxic substances if exploited in an inappropriate way. Do not subject the device to physical impact nor use it close to explosive liquids or gases.
- Ensure normal ventilation conditions for the power adapter during charging since a lot of heat is released in the process. Do not cover the adapter with paper or other objects that may worsen ventilation.
- Do not apply too much force when cleaning the display and other parts of the device. Do not use paper napkins or any hard material that can scratch the device for cleaning. Use soft cloth only.

Using Device in Vehicle

Windscreen holder and battery charger are delivered as part of the product package.

Windscreen holder
ATTENTION! Carefully select a place to attach the holder. Do not attach the holder to the windscreen in a way that limits the driver's line of sight. If the car windscreen contains a built-in heating system or UV protection, the quality of signal reception may be lower than usual.

Setting up the windscreen holder
First remove the protective layer from the vacuum cup. Then, select an appropriate place to attach the holder. Make sure the area is clear of dust, dirt, and moisture, and then secure the vacuum cup on the windscreen. Under normal operating conditions, the vacuum cup holder locks the device well. However, if you leave it there overnight, the holding strength may get weaker as a result of moisture condensation due to temperature fall. For this reason, in order to prevent the device and holder from being damaged, it is recommended to remove the device and holder from the windscreen.

Errors and Troubleshooting

Device does not work

- Check whether the device is charged or not. In case the device is not charged, connect the power supply and wait at least 5 minutes;
- Press and hold the Power button for at least 8 seconds;
- Even if the device is charged, connect the power supply and try to start the device again;
- If the device does not work even after recharging, contact our support team or any certified service center.

Device shuts down immediately upon startup

- It is possible that battery charge of the device is critically low. In such cases, the system shuts down automatically in order to prevent complete discharge of the battery, which may result in data loss. Before attempting to turn the device on again, charge it for at least 5 minutes, and keep the adapter plugged during subsequent operation of the device.

Fast battery discharge

- The battery discharges much faster in cold environment.

Battery does not get charged

- Check whether the adapter is connected to a socket;
- Make sure that you use the default power adapter and not the adapter of another device;
- It is possible that battery does not get charged in very hot climate.

Sound does not work

- Make sure the sound is turned on in the program settings;
- Make sure the volume is not too low.

Device does not recognize the microSD card

- Make sure the card is fully inserted into the correct slot until it is locked into place;
- Check that the card is not inserted the wrong way around;
- Check if the card is damaged. Try to use it in another device;
- Re-insert the card. Reboot the device;
- See the installation manual provided with your card.

Cannot copy files

- Check that the connection between your PC/laptop and the device was established properly;
- The device memory usage may be overflowing and requires deleting unnecessary files.

Device Maintenance

Proper maintenance of the device ensures its long and · To safely use the device's functions, please, make sure to reliable operation

- Do not keep the device in high humidity and hot conditions;
- Prevent the device from being exposed to sun and UV light;
- Do not put or drop anything on top of the device;
- Do not subject the device to physical impacts such as hits and drops;
- Do not subject the device to moisture and quick temperature changes as it may result in water condensation within the device and cause damage. If the device has been exposed to moisture, do not switch it on until it is fully dried out;
- The display of the device is very sensitive to scratches. Avoid touching the display with sharp objects. You can use a protective layer to prevent the display from scratching;
- Never clean the display when the device is on. When cleaning, use soft cloth only;
- Do not use paper napkin or towels for cleaning the display;
- Do not try to disassemble, fix, or modify the device on your own as it may be dangerous for your health as well

as result in incorrect operation of the device. This will also cause termination of the warranty.

Safe Driving

- To safely use the device's functions, please, make sure to follow traffic regulations. Moreover, please, remember the general rules of treating your vehicle like a potentially dangerous object;
- In the first place, these rules are determined by the risk of causing harm to the life or health of third parties, damaging their possessions and pets, and harming the environment;
- Whenever you stop the vehicle, always use the parking brake. Keep the parking brake well functioning so that it is able to prevent the car from any movement;
- Always park your vehicle in an open and well ventilated area;
- Keep the sound in the vehicle relatively low so that you can hear everything that happens outside the vehicle;
- Do not carry out any operations in the device that could possibly distract you from driving.

NAVITEL s.r.o. hereby declares that the device NAVITEL E500 is compatible with the European directive RED 2014/53/EU.

Precautions

- The built-in battery is designed only for recording an emergency event in parking mode and turning off the device correctly when the power is turned off; for the full operation of the device in any mode, a constant power connection is required.
- Use only the original charger adapter. Using another adapter may negatively affect the device's battery. Use accessories only approved by manufacturer.
- Permissible ambient temperature in operating mode: 0 to +35 °. Storage temperature: +5 to +45 °. Relative humidity: 5% to 90% without condensation (25 °).
- Put the device away from fire sources to avoid explosion or fire.
- Do not expose the device to physical impacts.
- Avoid contacting the device with sources of electromagnetic radiation.
- Keep the lens clean. Do not use chemicals or detergents to clean the product; always turn off the device before cleaning.
- Strictly follow the laws and regulatory acts of the region where the device is used. This device can not be used for illegal purposes.
- Do not disassemble or repair device by yourself. In case of device failure, contact the service center.

Introduction

Navitel Navigator is an offline multifunctional navigation application used for efficient route search and planning. Key tasks of the program are identification and display of current position on the map, automatic and manual setting of route points, object search, route calculation, display of travel information, and many other things.

Program Interface

1	Point on the map	Short tapping on the map marks the point for further operations with it, "Cursor" and "Save WV.
2	POI	This is an example of how points of interest (P01) are displayed in the program. Different categories of P01 have different icons. There is a large variety of icons for particular POIs such as shopping centers, brand shops, gas stations etc. Press the icon to open the information panel about the object, where you can go to the properties of the object with contact information, coordinates and the ability to add a point to the route.
3	SPEEDCAM	This is an example of how icons of the SPEEDCAM function are displayed on the map. Speedcams are special marks on the map that are meant to warn about speed cameras, radars, dangerous crossroads, speed bumps, and other types of potential obstacles on the road.
4	Map buttons	These buttons are for setting the sound (Sound button opens On/Off, Sound settings and Music Player options) and working with the map (buttons for switching the type of map (2D / 3D), zooming). The zoom changes automatically according to the car speed. Manual changes last for 5 seconds.
5	Main menu	Tapping this button will open the main menu of the program.
6	Cursor	This button becomes available only when a point is selected on the map. Tapping this button will open the "My route" screen, where you can carry out various operations with the selected point.
7	Save WP	This button becomes available only when a point is selected on the map. Tapping this button will cause the selected point to be saved in the form of a waypoint. List of saved waypoints is available in the Menu -> Find -> Waypoints.
8	Upcoming maneuver	The indication of the distance to the next two upcoming maneuvers. Tapping the sign opens a dialog box with a number of configuration settings.
9	Progress bar	The progress bar displays the remaining route, waypoints (if any).
10	Route gauges panel	The name of a street following the maneuver. Please note that if certain conditions are met, the upcoming traffic lanes will be displayed instead.
11	Route	Active route along which you are moving.

12	Speed	Road speed limit is displayed next to the current car speed. The program will notify the driver in case any traffic violations are taking place – orange colour block for set overspeeding level (by default its 10 km/h), red one for over the set overspeeding. It is possible to set the speeding level for orange notification up to 30 km/h in the Alerts section of Settings.
13	Information pa nel	By default, displays a set of gauges that provide information on remaining travel time, d istance to the point of destination, and estimated arrival time. The selection of gauges c an be changed in the program settings.
14	Current street	The name of the current street (active only when connection with satellites is established). If the map does not contain information about the active street name, the direction of movement is displayed instead (North, South, West, and East).
15	Road lanes	When passing the roads with two or more lanes this indicator displays information about the permitted maneuver at the nearest intersection or turning point progress bar under the indicator displays the distance left to the described maneuver.
16	GPS cursor	Green cursor displays the current location of the device; gray cursor displays the last k nown location, if the current one is not defined.
17	Road regulatio ns	On the right side of the display program indicates the distance left to the closest driving regulations. When approaching, the program displays the countdown to the closest ca mera, road sign or marking.
18	Sound recordin g button	Designed to enable/disable the microphone.
19	File protection button	In Record (REC) mode, press to lock/unlock the current recording (the protected file ca nnot be deleted or overwritten).
20	REC button	Click to pause / start recording.
21	Camera button	Click to display the image from the DVR camera.
22	REC indicator	Shows the duration of the current recording.

Route to a point selected on the map

You can have a route planned to a point, which can be found and marked on the map and then set as the destination, while current position of the device, determined by the GPS system becomes the starting point. To plan a route press on the map to mark the point, select "Cursor" [1] and then "Go!" [2]. The program will offer 3 alternative routes [3]. Select the appropriate and press «Go!».
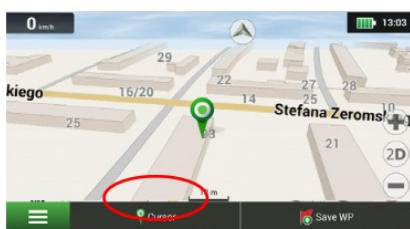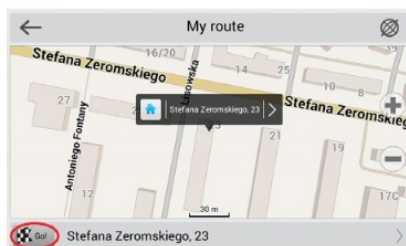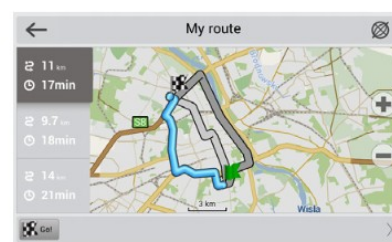

Fig. 1

Fig. 2

Fig. 3

Route to an address

To have a route calculated to a point of a known address, press "Menu" in the bottom left corner of the screen [4] > "Find" [5] > "By address" [6], then press "Select country" and start entering the name of a country [7]. Press the icon in the upper right part of the screen to hide the keyboard. Select the country [8]. "Select city", "Select street"and «Select a building» become active only if the previous fields were filled out [9]. When all information is entered the object will be shown in the screen [10]. Press «Go!». The program will offer 3 route options from a current location to the indicated address [11]. Now you can follow the route [12].

Fig. 4
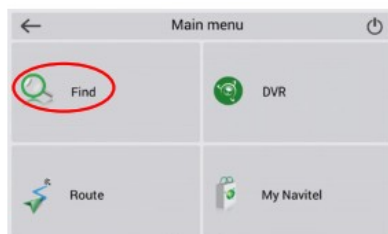
Fig. 5
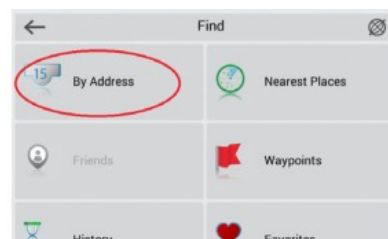
Fig. 6

Fig. 7
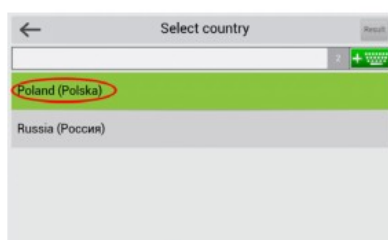
Fig. 8

Fig. 9
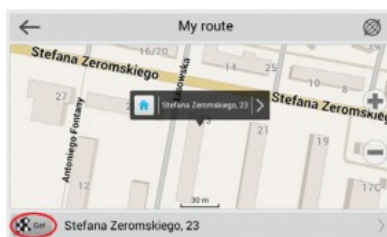
Fig. 10
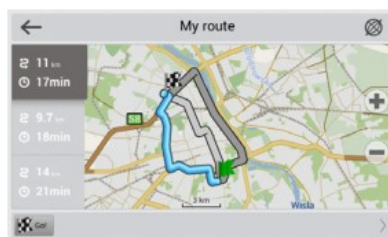
Fig. 11

Fig. 12

Manual setting of all route points

To plan a route, where the starting and the destination points are determined manually, first mark a point on the map where you plan to start and press «Cursor» [1] to proceed to the «My route» screen. Tap on the information panel at the bottom of the screen [2]. Press «Set start» in the «Properties» screen [3]. The GPS-receiver must be switched off. The point will be marked on the map as a starting point. Select a destination point on the map: tap on the map to mark the point, press «Cursor» [4] and then press «Go!» in the «My route» screen [5]. The program will offer 3 alternative routes [6]. Select the appropriate and press «Go!».
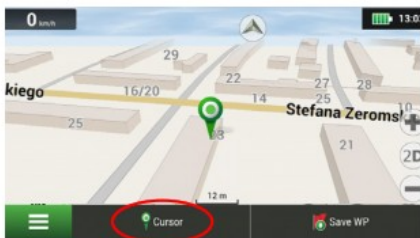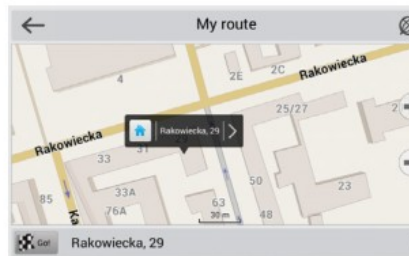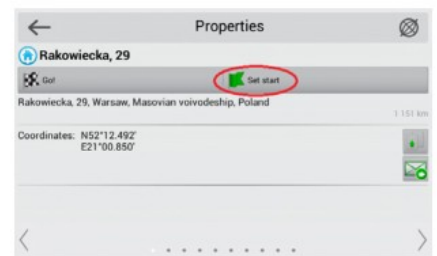
Fig. 1
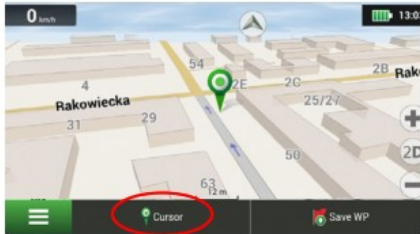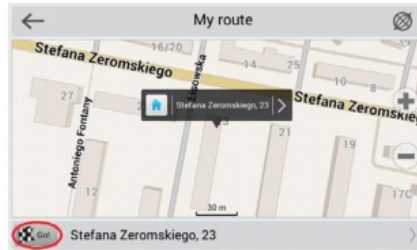

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Navitel Navigator Update Center

To update your maps and the application, as well as to purchase new maps, you can use a special program that we have designed specifically for these purposes. You can download the program from the "Downloads" section of the official NAVITEL® website. The instructions below will help you to learn how to work with it.

1. Install Navitel Navigator Update Center on your PC.
2. Connect your device to the PC as a USB Flash Drive/Mass Storage.
3. Run Navitel Navigator Update Center. If the device is properly connected, the program will detect it [1].
4. If updates are available, Navitel Navigator Update Center will suggest that you update your Navitel Navigator and/or maps [2].
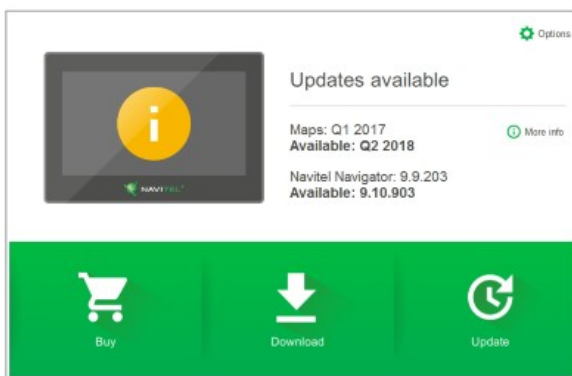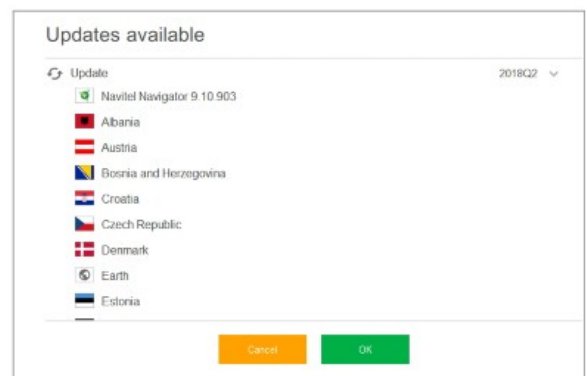

Fig. 1

Fig. 2

Keep in mind that the old maps will be deleted during the update. To continue, press "Update", then "OK".

5. Navitel Navigator Update Center will download and install the updates on your device.
6. After updating, you can download or buy additional maps by pressing "Download" or "Buy" respectively [3].
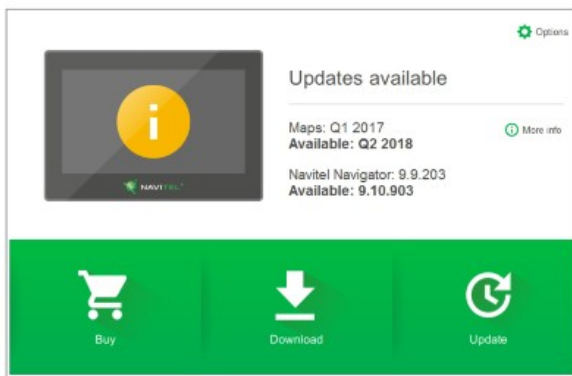7. To download maps, mark the ones you need in the list and press "OK" [4].
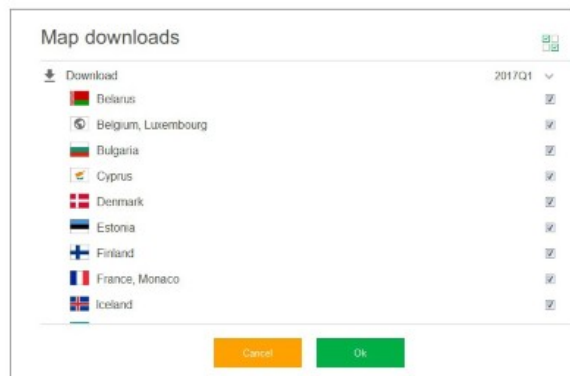
Fig. 3

Fig. 4

8. To buy a map, press on the entry corresponding to the map you want to buy, select subscription length and press "Buy" [5, 6].
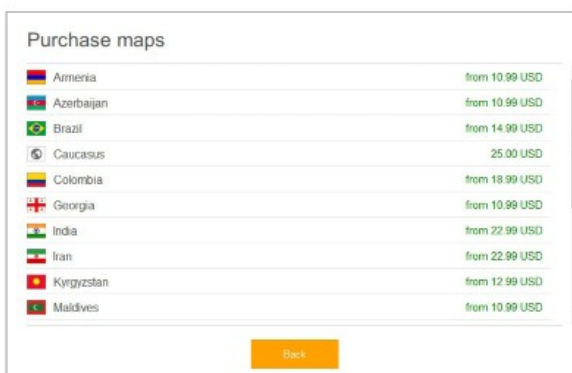

Fig. 5

Fig. 6

9. Run Navitel Navigator on your device.

DVR menu

Press «Menu» to enter main menu [1]. Then press «DVR» [2]. In the DVR menu [3], the video viewing mode is available. The settings mode is also available in the menu. In this mode, the following parameters are available for setting: video recording quality, GPS stamp on recording, sound recording, exposure, length of recorded clips, image output from the main camera and rear view camera *, G-sensor sensitivity.
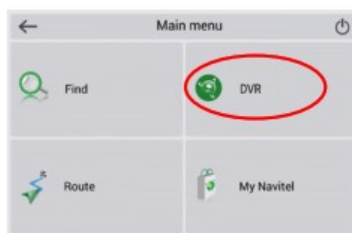

Fig. 1

Fig. 2

Fig. 3

Hybrid mode: the image from the DVR camera can be displayed over the map of the Navitel Navigator application by pressing the "Camera" button [4]. In this case, the navigation tips on the screen continue to be displayed.
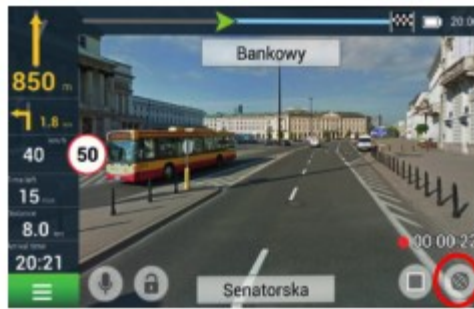
Fig. 4

* **Note:** Rear view camera sold separately.

Documents / Resources

NAVITEL RE 5 Dual Navigation DVR [pdf] User Manual
RE 5 Dual Navigation DVR

References

- ◉ **NAVITEL - iPhone, iPad, Android. Najlepsza nawigacja GPS w telefonie**
- ◉ **NAVITEL detailed offline maps for iPhone, iPad, Android**