

First download program «**Mobile GPS for PocketPC ver. 1.1.0002**» and install it to pocket computer.

Below the instruction on configuration:

MobileGPS for pocket computers, actions before use the program.

- * Register on a server of monitoring GPS-Trace, if you first time using program.
- * Enter with your login on server of monitoring GPS-Trace Orange.
- * Create object of monitoring: in « Options » select tab«Device», without fail choose type: Mobile GPS, unique ID: 6 symbols.
- * Adapt GPRS connection on your PocketPC.
- * Connect GPS receiver to your PocketPC.
- * Run program MobileGPS.

Main program menu include next points:

- * Tools
 - o About – about application;
 - o Work with GPS device... – mode work with BlueTooth GPS device;
 - o Manage records... – mode work with stored tracks (messages);
 - o Exit – quit application.
- * Options
 - o Connection settings... – connection settings to Wialon server;
 - o Monitoring settings... – monitoring settings;
 - o Messages settings... – settings received messages.

Work in receive data mode from GPS device and transfer to server in real-time.

Select in menu "Work with GPS device..." or click equal button on main application screen. First program try connect to the internet (less then 30 seconds), after you have to select COM port, to interact GPS device with PocketPC (this step will be skipped, if in options "Connection settings" set flag "Automatically connect to device"). After that in main application window you can see next information:

- * Connection state to server (connecting, connected, disconnected, online, offline);
- * Connection state to GPS device (connecting, connected, disconnected, device disabled);
- * Number of satellites, which interact GPS device;
- * Information about receive/send messages;
- * Information about last received message (time and date, географические координаты, current speed (in km/h), course (degrees));
- * Postal address, or other location information about you current position (if in options "Monitoring settings" set flag "Ask server for current address");

For normal work in this mode server status have to be "online", and GPS status – "connected". If not application itself “will try” to connect to server and GPS device. If connection to server don't install check: GPRS connection, server address and unique identifier in connection settings.

Work with stored tracks.

Messages received during each successful connection session are stored in phone memory, as track for next send to server Wialon. GPRS states are described in p. 2. For each tracks in inactive state are display time first message and number of messages in track. For active (selected) state also show time of last received GPS message. Possible actions:

- * Send – Send selected track to server. Possible send not more than one message.
- * Delete – Delete selected track from memory. Will be request validation.
- * Exit – Exit to work mode with stored tracks.

When send messages from track first set connection to server and if connection is successful, the messages a whole block send to server. After that connection to server is close.

Connection tuning to server.

Here you may set:

- * Server address – Wialon communication server address (by default – gpsgsm.org).
- * Your Unit Id – ID of your monitoring unit (by default 6 random characters).
- * Automatically connect to device – automatically enter to GPS mode (escape step to set COM port).

Monitoring tuning.

Here you may choose (enable/disable):

- * Transmit messages online - Online mode: transmit all received messages immediately on server (by default – enable).
- * Ask server for current address - Ask server for postal address, or other location information about you current position (by default – enable).

Messages filtration tuning.

You may choose:

- * Straight move period (sec) – How often you straight movement will be stored (in seconds). In the event, when receiver moving with constant (deviation less 15 degrees) course, messages will stored in specified period (by default – 5 sec.).
- * Stop period (sec) – How often your stay will be stored (in seconds). In the event, when speed receiver less than minimal, messages will stored in specified period (by default – 60 sec.).
- * Minimal nove speed (kmh) – Minimal speed that application thinks you are started moving (in km/h). Threshold value of speed for detection moving state receiver: If speed receiver less, than current value, that receiver is stay (by default – 5 m/s).
- * Folder where tracks will be store – path to stored tracks (by default – tracks).

Correct tuning of messages filtering will allow you to economize GPRS traffic and use less phone memory for tracks.