



AutoFon Alfa-Mayak

Autonomous search device

- determination of GLONASS/GPS coordinates
- information transfer via GSM network
- long-term autonomous operation



SHORT OPERATING GUIDE

APPEAL TO THE CUSTOMER

Dear Customer!

Thank you for choosing and purchasing our device AutoFon Alfa-Mayak! We hope it meets your expectations and will serve you for a long time. It is important for us to know your opinion about the operation of the device. You can find out our contacts for feedback on the website autofon.ru

If in the process of setting up the device you have any questions, the answers to which you did not find in this manual, please contact the AutoFon technical support service by phone: 8 (495) 544-57-97 or 8-800-555-79-77 (free call from any region of the Russian Federation), from 9:00 to 21:00 in Moscow.

If your car or device property equipped with an "AutoFon Mayak" is stolen, please, notify the police as soon as possible and call the Dispatch Center

"AutoFon-Responding" by calling the round-the-clock hotline 8-800-555-93-77 (free call from all regions of Russia). Our experts will provide practical assistance in the optimal control of the device in a difficult situation. Also, our Dispatch Center can provide a prompt response and a complex of search measures with the involvement of the forces of the Ministry of Internal Affairs of Russia. The "Basic" service provision rules are posted on the manufacturer's website autofon.ru.

Warning: the manufacturer reserves the right, without prior notice, to make changes to the design and software of the **AutoFon Alfa-Mayak** device, which does not impair its consumer qualities and parameters.

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SCOPE OF DELIVERY	
• AutoFon Alfa-Mayak device	1 pc
• Lithium battery pack (Li/FeS ₂) installed, connected	1 pc.
• Quick Start Guide	1 pc.
• Card with registration data of the device	1 pc.
• Packing box	1 pc.
• Double-sided adhesive tape	1 pc.
• Rubber cap	1 pc.

DESIGNATION

The **AutoFon Alfa-Mayak** device is intended for determining the exact location of the protected object using GLONASS/GPS satellites. The coordinates of the object are transmitted to the owner via the GSM network. AutoFon Alfa-Mayak can be used for the following purposes:

- Anti-theft protection and stolen vehicle detection.
- Monitoring of personal, official and special vehicles.
- Locating stolen motorcycles, ATVs, scooters, bicycles and other equipment.
- Monitoring of those in need of care (children, elderly and sick people) and their detection.
- Control of the location of domestic animals: dogs, cats and cattle.
- Monitoring the movements of valuable goods and searching for them in case of loss.
- Creation of a wearable (mobile) panic button: for calling security or police.

SWITCHING ON AND INSTALLATION

To turn on the «AutoFon Alfa-Mayak» for the first time, press the “SOS” button 5 times quickly, the LED will blink 5 green flashes. The beacon will automatically set the time via the GSM network or navigation data from satellites. By default, the 1st owner number is the number of the AutoFon control and monitoring server. Hide the device in a guarded object.

Determination of accurate GLONASS/GPS coordinates is guaranteed only in conditions of direct visibility of the sky, although in most cases, determination is possible even by weak (re-reflected) signals outside the line of sight of the sky.

It is advisable to place the body of the device with the logo towards the sky, not obscuring it with solid metal objects.

PRINCIPLE OF DEVICE OPERATION

The «**AutoFon Alfa-Mayak**» device consists of a GSM/GPRS modem, a GLONASS/GPS receiver, a programmable microprocessor and an autonomous power supply.

The autonomy and miniature dimensions of «**AutoFon Alfa-Mayak**» allow the owner to discreetly install it in the most difficult-to-find place. Since the device is in sleep mode most of the time, it is extremely difficult to determine its location with air scanners and GSM signal detectors. If a system of jamming or suppression of GSM frequencies is used by attackers, the long-term autonomy of «**AutoFon Alfa-Mayak**» will allow waiting for the suppression means to be disabled and contact the owner.

The operating mode «**AutoFon Alfa-Mayak**» is set by the owner from your personal account on the server: control.autofon.ru, or via the Autofon KSA mobile application for Android and iOS. Direct control via SMS is also possible. 📱 «**AutoFon Alfa-Mayak**» determines its coordinates using the satellites of the GLONASS/GPS navigation systems and can transmit them in “packets” via GPRS to the monitoring server. Along with location coordinates, all device settings and status are transmitted.

«**AutoFon Alfa-Mayak**» can operate in two main modes. Continuous “ACTIVE” and interval “SLEEP”. In continuous mode, the device is constantly in touch and is ready to receive a command from the owner at any time. The maximum operating time in continuous mode is 6 days, in the “SLEEP” mode up to 3 years.

In the interval mode “Sleep” the device is in a “sleep” state and accepts commands only at the moment of activity, which comes at the time programmed in the alarms.

«**AutoFon Alfa-Mayak**» has two alarms T1 and T2 wakes up at a specified time interval to perform the following actions:

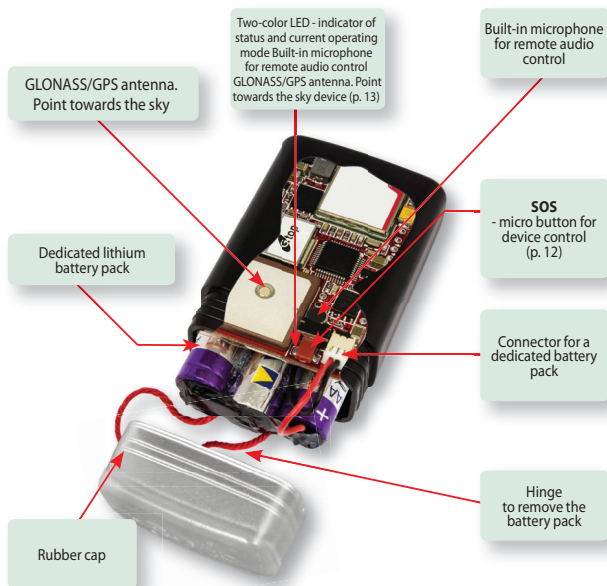
- determination of the exact GLONASS/GPS coordinates
- determination of approximate LBS coordinates by base stations of a cellular operator (most energy-efficient mode) with accuracy from hundreds of meters to several kilometers. This mode is configured by default.

TECHNICAL CHARACTERISTICS

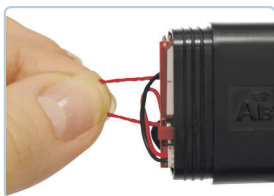
- Dimensions 59 x 38 x 20 mm, weight 51 grams (with battery pack).
- Degree of protection IP -54
- Battery - lithium (Li/FeS₂) specialized battery pack 4.5 V 1100 mA.
- Consumption current when powered from the battery pack in the (SLEEP) mode, no more than 20 μ A.
- Current consumption from the battery pack in GPRS data transmission mode is not more than 500 mA.
- SIM card of a GSM mobile operator with a prepaid balance (works throughout the Russian Federation and in international roaming).
- Communication frequency 800/900/1800/1900 MHz.
- Maximum radiated power in GPRS/SMS transmission mode, no more than 2 W.
- Determination of coordinates by navigation satellites GLONASS/GPS (chipset MTK3333).
- Determination of GSM coordinates using multi-LBS technology.
- Duration of work in sleep mode up to 3 years.
- Work in continuous active mode up to 6 days powered from the battery pack (in standby mode).
- Operation in GLONASS/GPS monitoring mode up to 24 hours on one battery pack.
- Configurable activation interval from 15 minutes up to 30 days.
- Operation temperature: from - 25 °C to + 85 °C (in interval mode), from -40 °C to + 85 °C (in continuous mode).

IMPORTANT! The built-in SIM-chip of the GSM operator of cellular communication is registered with AutoFon LLC. Renewal is not possible! Can be operated in international roaming. The tariff plan is presented on the autofon.ru website. The amount of consumed battery energy is displayed on the AutoFon KSA server, tab - "Last state".

DEVICE COMPOSITION



BATTERY REPLACEMENT



To replace the battery, disconnect the connector from the board. Pull the hinge AND remove the battery. Insert a new battery, connect the connector. Activate the beacon by pressing the SOS button 5 times.

ATTENTION! Use only the original battery pack

Replace the battery pack in time!

STEP 1 DEVICE CONTROL

Go to the AutoFon KSA server via your Internet browser: **control.autofon.ru** or via a free mobile application Android, iOS. Take the information for entering the "Personal Account" from the plastic card of the included device. Click Sign In «Войти»

Логин или E-mail


Пароль

[Забыли пароль ?](#) [Условия использования](#)

АвтоФон .ru autofon охранно-поисковая спутниковая система **АВТОФОН МАЯК**

Вход: **CONTROL.AUTOFON.RU**

Логин **862950029730077**

Номер IMEI 

Номер телефона **не требуется**

Пароль доступа **1732526993** **AFSE63N049647**

Техническая поддержка:
8 (495) 544-57-97
8-800-555-79-77

Each device «AutoFon Alfa-Mayak» has a prepaid limit of 7,000 GPRS packets to send information to the server AutoFon KSA: control.autofon.ru. With the factory setting of the lighthouse, this limit will be enough for more than three years of operation of the device in the territory of the Russian Federation.

STEP 2 SELECT DEVICE

АвтоФон мобильное приложение **КА**

Устройства Помощь

Ваши устройства

Идентификационный номер устройства	Статус
862950029730077	н/д

Кликните на устройстве.

Приложения АвтоФон КСА

Мобильные приложения АвтоФон КСА

Загрузите на

Профессиональный Windows ARM АвтоФон КСА

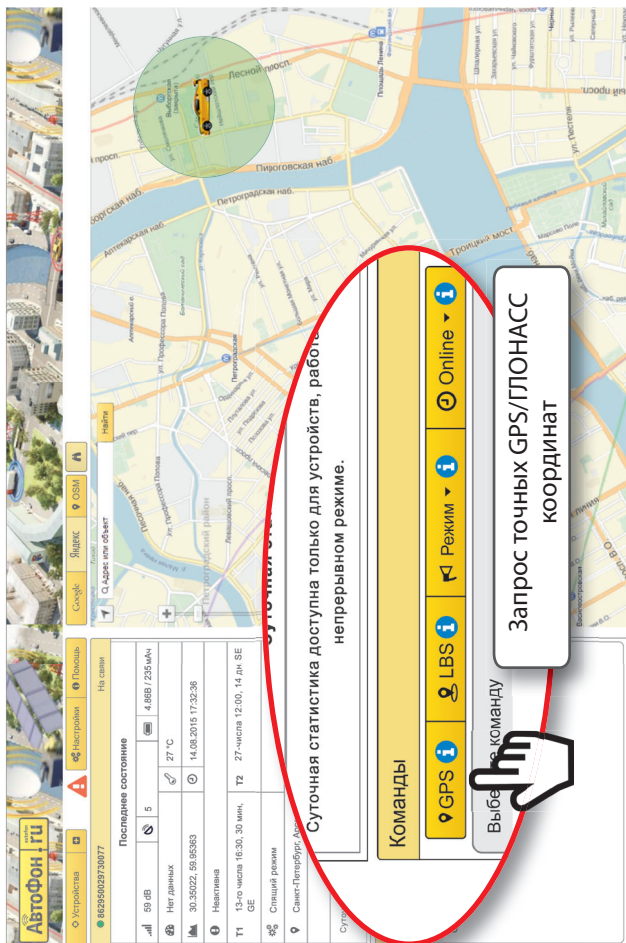
Скачать Windows-приложение АвтоФон КСА

STEP 3 TURN THE BEACON ON



If the beacon is not already on, turn it on by pressing the SOS button five times (fast). The LED blinks with a series of green flashes. After logging in to the GSM network, the device will send the GPRS packet with the settings to the server. (When the server receives this package, the inscription «**didn't communicate**» will change to the inscription - «**to communicate**» page 11). «The Last State» table will be automatically populated. The map shows the approximate location of the car according to LBS data. On the Commands tab, you can change device settings. See, the factory setting assumes the transition of the device state to sleep mode, which is indicated by the absence of LED illumination on the board. To wake the device, press the SOS button once for 1 second. In the active state, the device receives commands in real time. If the command was sent during the sleep of the device, then its execution will occur at the closest awakening. Undelivered GPRS commands remain in the queue and will be sent to the device when it resumes communication in the sequence specified during sending. The Last State tab shows all the basic settings "AutoFon Alfa-Mayak" and the timing of the T1 and T2 alarm clock. Control of the device (change of operation modes) is performed through the PA or the application "AutoFon KSA" by the button "GPRS Commands".

STEP 4 SEND COMMANDS



Суточная статистика доступна только для устройств, работающих в непрерывном режиме.

Команды

- GPS
- LBS
- Режим
- Online

Выберите команду

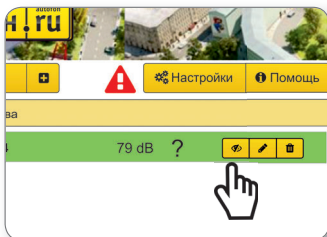
Запрос точных GPS/ГЛОНАСС координат

WORK IN A PERSONAL ACCOUNT

Attention! The following features are available only when the owner's Personal Account data is complete (phone, e-mail).

Query coordinates via the server via SMS.

This feature is required when using a phone that does not have Internet access, or if it is in the zone of no Internet coverage. To request the last coordinates received by the AutoFon KSA server from the device - send an SMS from the phone number specified in the Personal Account to the AutoFon KSA number: +7 (903) 767-60-45. In SMS text, specify the name of the device or its IMEI. Only the last six digits of the IMEI can be specified. After receiving this SMS from the owner, the AutoFon KSA server will respond to the request in the form of SMS indicating the location address, coordinates, time of their receipt from the device and other parameters. Attention! The number of SMS requests is limited (30 requests per day, 50 per month or 100 total for each device).

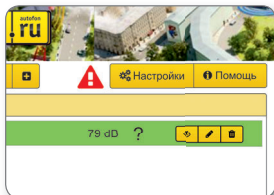


Grant access to the device from another Personal Account.

If you have multiple devices and want to manage them from the same personal account, give access to managing this device by clicking the button.

Full access to device management.

To access all the features of "AutoFon Alfa-Mayak" (control through SMS, replenishing the balance of the sim chip, changing work parameters, etc.), get full access to device management in your personal account through the "edit device" button. The subscriber number of the sim chip installed in the device and the PIN of the device control will be opened to the user.



From this moment, the user has the need to replenish the balance of the personal account of the telecom operator. The tariff plan is posted on the autofon.ru website. You cannot move the device back to restricted access.

A REMOVAL OF THE DEVICE FROM THE PERSONAL ACCOUNT

You can remove a device from your Personal Account only after you have full access to device management.

LED INDICATIONS

LED Indications	Description of the Mayak operating mode
Fast blinking of red and green	1. Getting started after power on 2. Incoming SMS
5 green flashes	Turning on the Mayak (5 quick presses of the SOS button).
5 long red flashes	Turning off the Mayak (5 quick presses of the SOS button).
Double red flashes	Registration in the GSM network.
Triple red flashes	The GSM module is registered in the network.
Quadruple red flashes	A GPRS connection has been established with the monitoring server.
Single green flashes	Searching for navigation satellites.
Double green flashes	Navigation satellites found.
One short red flash	Confirmation of pressing the SOS button.
No indication	The beacon is in sleep mode, off or de-energized.

WARRANTY OBLIGATIONS

The manufacturer establishes a warranty period for the device, which is 12 months from the date of its sale to the end consumer, but does not exceed 18 months from the date of manufacture of the device. If the moment of sale of the device cannot be determined, the warranty period starts from the date of manufacture of the device.

The manufacturer guarantees the correct operation of the device for 12 months from the date of its sale to the end consumer, only on condition that the device is used for the purposes for which it is intended by the Manufacturer, with proper observance of the operating rules, careful handling of the device, careful storage and proper installation, timely maintenance and diagnosis of possible malfunctions and the absence mechanical electrical and other damage to parts and mechanisms of the device. This guarantee is provided to the Consumer in addition to the constitutional and other rights of the Consumer, and in no way restricts them. The Consumer has the right to present claims against the Manufacturer in relation to the defects of the device if they are discovered during the warranty period and arose through the fault of the Manufacturer. The Manufacturer undertakes, during the warranty period, from the moment of sale to the end consumer, subject to the Consumer's compliance with all rules and operating conditions, to carry out a free warranty repair of the device, to eliminate any problems caused by the Manufacturer. The warranty does not cover batteries, accessories, parts and components that are subject to natural wear and tear during operation and are subject to periodic replacement, as well as other components that are subject to severe mechanical stress during the operation of the device.

The warranty does not apply to the software, nor to the information stored on SIM cards and other sources of information required when working with the device.

The manufacturer guarantees that the devices produced by him do not have any harmful effect on the health of the Consumer and are safe, provided that all operating rules described in the attached technical and other documentation for the device are observed. The requirements for the quality of the device functioning cannot exceed the technical characteristics declared by the Device Manufacturer.

The Manufacturer does not guarantee that the device will work in accordance with the Consumer's expectations, if it is used for specific purposes not provided for the intended purpose of the device and if the conditions specified in the operating instructions are not met.

The appearance of the device, equipment and specifications are subject to change by the Manufacturer without prior notice. The Consumer can find information about new types of the device on the official website of the Manufacturer www.autofon.ru.

Recommendations for the correct use of the device Dear Consumers!

Use the purchased device for its intended purpose only.

First of all, make sure that your device

(the inside of the device) has not been exposed to moisture that corrodes the electronic circuits.

It is important to protect the device from shock,

drops and impacts that can damage the device's casing or built-in circuit boards and electronic components.

High temperatures can shorten service life

of the device, damage the batteries and deform the plastic parts of the device.

Exposure to a low temperature, followed by a sharp increase in it, leads to the formation of condensation on the internal parts of the device. This can affect the functionality of the electrical circuits of the device.

Do not attempt to disassemble or modify the device or its components.

Do not activate the device with old, discharged batteries, this may cause a decrease in the operating time of the device.

You could lose control of your device!

The Consumer is solely responsible for the safe operation of the device. During operation, you, dear Consumers, are responsible for your own safety and the safety of those around you.

Please, strictly follow the given recommendations!

Warranty coverage period

The warranty period is calculated from the date of sale of the device and is 12 months from the date of its sale to the final consumer. If it is impossible to determine the moment of sale/installation of the device, then the warranty period starts from the date of manufacture of the device.

1. General provisions on warranty service.

1.1. AutoFon LLC - (hereinafter referred to as the Manufacturer) guarantees to the Consumer within the specified period free elimination of defects in the device, defects found when using the device, admitted during the production process, provided that the Consumer observes all the conditions of transportation, unloading, storage, operation of the device recommended by the Manufacturer.

1.2. Warranty service is provided free of charge in the Manufacturer's service department - (hereinafter referred to as the service center). In case of revealing the defects of the device during operation during the warranty period, if the requirements for operation were fulfilled correctly, the Consumer has the right to apply for warranty service of the device to the Manufacturer's service center. For all questions regarding the implementation of warranty service for the device, the Manufacturer recommends contacting the Manufacturer's service center, the addresses and phone numbers that are indicated in the operating instructions, warranty card, and also on the official website of the Manufacturer: www.autofon.ru or find out by phone: **+7 (495) 544-57-97**.

1.3. When transferring a faulty device for warranty repair, the Consumer must present: the device itself and a document confirming the purchase of this device (invoice, receipt, warranty card, etc.), which clearly indicates the name and address of the seller, the date of purchase and the type of device, confirming the relevance of the warranty period for this device. Also, the Consumer must fill out an Application for diagnostics and repair of a device subject to warranty repair and a Complaint Statement (the form of the Complaint Statement and the Application form for diagnostics and repair of the device are given on the official website of the Manufacturer).

1.4. If the device received by the parcel or delivered personally to the Manufacturer's service center is received by the Manufacturer without fulfilling clause 1.3, as well as with an improperly completed Application for diagnostics and repair of the device, the Complaint Statement, the Manufacturer reserves the right not to accept for warranty repair a device that is returned to the Consumer at his expense.

1.5. After receiving the faulty device at the Manufacturer's service center, the center's specialists diagnose the device, determining the nature of the device malfunction - a factory defect or the result of improper operation by the Consumer. The device is checked for the presence of only those faults that are described in the Complaint Statement and the Application for diagnostics and repair of the device. After the diagnostics, the specialists of the service center draw up an expert opinion, on the basis of the expert opinion, warranty repair of the device with defects arising from the fault of the Manufacturer can be carried out. If it is impossible to repair the device, then upon presentation of an expert opinion by the Consumer, the Manufacturer replaces the device with a factory defect with a new device with the same technical characteristics, unused, of proper quality, or a similar one, as agreed with the Consumer, within the time frame established by law.

1.6. The Manufacturer reserves the right to refuse free warranty repair if, after diagnosing the device, damage is found caused by the following factors:

- The operating rules described in the operating instructions have been violated.
- The service took place outside the manufacturer's service center, the device was repaired by unauthorized persons in violation of the manufacturer's requirements and safety standards; there are traces of attempts to eliminate the defect on their own or to install non-intended parts.
- The device was used for other purposes, defects were caused by changes due to the use of the device for a purpose that does not correspond to the established scope of application of this device

specified in the operating instructions; the service center specialists noticed the use of abnormal modes or operating parameters of the device or its components.

- The defect is the result of natural wear and tear.
- The malfunction has arisen as a result of mechanical, electrical, chemical, thermal and other types of influences, the parameters of which go beyond the maximum permissible operational characteristics, which entailed a malfunction of the device. The device is damaged or out of order due to violation of the rules and conditions for installation, connection, transportation, storage unloading.
- The Consumer violated the integrity of the device during the warranty period, damaged any protective marks of the Manufacturer and there are traces of the use of mechanical means.
- If the factory serial number is partially or completely missing, if the serial number on the device or their marking does not correspond to the information indicated in the warranty card.
- Deliberate or erroneous actions of the Consumer.
- The actions of force majeure circumstances (elements, hurricane, fire, lightning, etc.), accidents, etc.
- Ingress of foreign objects, water, liquids, insects inside the device (on the board or inside the device case) that do not correspond to the properties of the used device case.

1.7. If the device has been damaged by one of the above methods, the Manufacturer can, if there are technical characteristics that allow for repair, to repair the device, but in this case, the repair will be paid.

2. The order of delivery and acceptance of the device for warranty repair.

2.1. To eliminate defects in the operation of the device, the Consumer transfers, sends or delivers the defective device himself to the Manufacturer's service center.

2.2. When transferring the device for diagnostics and repair, the Consumer attaches a document to the device (invoice receipt, warranty card, etc.), confirming the purchase of the device and the relevance of the device's warranty period. Also, the Consumer fills out an Application for warranty repair (Application for diagnostics and repair of the device, filled in 2 copies, (the Application form for diagnostics and repair of the device is provided on the official website of the Manufacturer), in which he briefly indicates the description of the malfunction and fills in the Complaint Statement (the form of the Complaint Statement is provided on the official website of the Manufactu

2.3. In case of personal delivery of the defective device to the service center, the Application for diagnostics and repair of the device, and the Complaint

Statement can be completed on the spot.

2.4. The defective device must be packed in the original packing or packing container to ensure safe transportation of the device.

2.5. In case of self-delivery to the Manufacturer's service center, the Consumer is issued a receipt for accepting the device for repair, provided that the Consumer observes the conditions of clause 2.2.

2.6. The Consumer is notified of the completion of the warranty repair in any way available for communication: a message sent by e-mail, by telephone (in accordance with the contact information specified in the Application for diagnostics and repair of the device).

Refunds for the purchase of a faulty device and other requirements of the Consumer (except for diagnostics, warranty repair and replacement of the device) are not carried out by the service center. For questions regarding the return of a defective device, the Consumer must contact the Seller in the sales department from which this device was purchased.

2.7. The repaired device is accompanied by the Manufacturer's Service List - a Certificate on the performance of work on the warranty repair of the device signed by an authorized specialist of the Manufacturer's service center. The service list confirms that the defects declared by the Consumer in the Application for diagnostics and repair of the device and in the Complaint Statement have been eliminated and the device operates in full compliance with the technical characteristics declared by the Manufacturer.

3. Terms of warranty repair of the device.

3.1. The term for performing warranty repairs after diagnosing a malfunction is established by a written agreement between the Manufacturer and the Consumer and is on average up to 10 working days, but does not exceed 45 days from the date of acceptance of the device to the service center.

3.2. If it is impossible to carry out repairs on time, the device must be replaced with another, not used, with the same technical characteristics or, in agreement with the Consumer, for a similar one. (Upon presentation of the demand for the replacement of the device, the term for satisfying the consumer's demand is from 7 days to one month).

3.3. The warranty period is extended for the period of the warranty repair, during which the device was not used. The mentioned period shall be calculated as from the day of filing the claim by the Consumer on the elimination of defects in device up to the day of its return after repair.

3.4. The Consumer needs to keep all the repair documents to confirm that the device is being repaired.

3.5. The warranty for parts used to repair the device ends with the warranty for the device.

3.6. From the moment of purchase of the device, the Consumer fully assumes all responsibility for the proper, legal and safe operation of the device and for possible damage caused by this device to the property and/or health of third parties. The Manufacturer is not responsible for possible harm directly or indirectly caused by his device to people, pets, property, as a result of non-observance of the rules and conditions of use, as well as deliberate or other careless actions of the Consumer.

From the moment of purchase of the device complete with a SIM card, the Consumer fully assumes all responsibility for the proper use of the SIM card, which must be used for its intended purpose and be inside the device during the operation of the device. The Consumer is liable in accordance with applicable law for possible damage caused to third parties for improper use of the SIM card inside the device. The Manufacturer is not responsible for any harm caused to third parties as a result of the Consumer's failure to comply with the terms of use of the device, SIM card, as well as deliberate or other careless actions of the Consumer.

3.7. In cases of non-warranty service, the service center reserves the right to carry out paid repairs. The Consumer has the right to refuse paid repairs. In case of refusal from paid repair by the Consumer, the device is returned to the Consumer in its current form.



WARRANTY CERTIFICATE

Model: **AutoFon Alfa-Mayak**

Software Version:

Date of sale/installation:

Name of the trade enterprise (installation center)
and its seal:

Vendor Signature: