6 WARRANTY OBLIGATIONS AND REPAIR INFORMATION

The manufacturer guarantees compliance of the key fob with the declared characteristics during the warranty period of operation and under the conditions of transportation, operation, and storage.

The warranty period is 36 months and is valid from the date of sale specified below or in other accompanying documents (contract, invoice, etc.). If you do not provide a document confirming the date of sale of the key fob - the warranty period is calculated from the date of manufacture of the key fob.

_____ _____

(date of sale) (seller's signature) seller's stamp

The key fob is repaired by the manufacturer or its authorized representative. Key fob is repaired for free in case the warranty period has not expired, and it was operated in accordance with the accompanying documentation. For repairs, the key fob is sent together with the document, which indicates the date of sale, and with a letter stating: the nature of the fault, the place of operation, contact person for repair.

If the key fob is not working properly, please contact technical support first, perhaps this problem can be resolved remotely.

The date of manufacture of the key fob and/or its serial number are indicated on the key fob label and packaging.

Information about limitation of liability is available in the "Warranty" section on the website: tiras.technology

7 CONTACTS OF THE MANUFACTURER

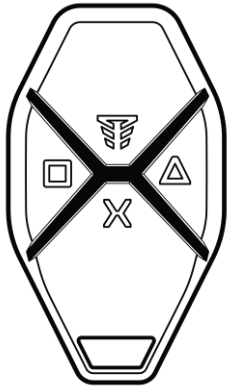
“Tiras-12” LTD, Ukraine, Vinnytsia, Khmelnytskoho Shose lane 2, b. 8

Sales department: market@tiras.ua

Technical support: support@tiras.ua

Warranty and post-warranty service: otk@tiras.ua

TIRAS technologies



X-Key

Wireless key fob

User manual

CE

“Tiras-12” LTD
Ukraine, Vinnytsia,
Khmelnytskoho Shose lane 2, b. 8

More information on the site
tiras.technology

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1 GENERAL INFORMATION

X-Key is a wireless key fob (further – key fob) designed to control security alarm system modes (arming, disarming, arming in "I'm home" and "Panic button" modes). The X-Key is intended for operation with Orion NOVA X security control panel (further – SCP). The X-Key is also compatible with Orion NOVA S (LTE), Orion NOVA M (LTE) and Orion NOVA L (LTE) SCPs with installed M-X wireless expansion module.

2 SPECIFICATIONS

Specifications of the key fob are shown in Table 2.1.

Table 2.1 – Specifications of the key fob

Parameter	Value
Number of buttons	4
Radiofrequency range, MHz	868.0-868.6
Maximum transmitter power, mW	25
Encryption	AES
Maximum bandwidth of the channel, kHz	100
Maximum channel frequency deviation, kHz	6
Maximum range of radio communication in open space, m	1200
Battery, lithium battery, Supply voltage, V	1×CR2032, 3
Overall dimensions (L×W×H), mm	36×63×12
Weight, g	14
Operating temperature range with relative humidity up to 75% without condensation	from -10 °C to +40 °C
Average battery life, years	5
Average service life, years[1]	10

Note. 1. Does not apply to the battery.

3 PREPARATIONS FOR OPERATION

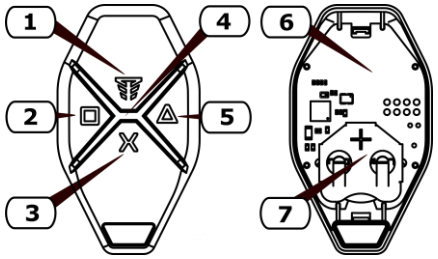


Figure 3.1 – Appearance of the key fob elements
1 - arming; **2 -** arming in "I'm home"; **3 -** disarming; **4 -** LED indicator; **5 -** "Panic button"[1]; **6 –** key fob circuit board; **7 -** battery holder.

Note. 1. The Control NOVA II software sends an alarm message to all users except the initiator of the action.

To work with the SCP, the key fob should be added to the SCP settings. The addition of the key fob occurs after the sequential execution of the assigning and activation processes.

When adding the key fob to the Orion NOVA X SCP using the Control NOVA II software, the processes of assigning and activating the key fob occur automatically when performing the specified steps (scanning the QR code and pressing any button).

When adding the key fob to the Orion NOVA S (LTE), Orion NOVA M (LTE) and Orion NOVA L (LTE) SCPs, you should add the key fob in the settings and do the following:

1. The key fob is assigned to the SCP using the **oLoader II** software (creating a new wireless zone/key fob and entering the key fob serial number) or the **Control NOVA II** software (entering the key fob serial number for the previously created wireless zone/key fob in the oLoader II software). Assigning and setting of the key fob are carried out according to the SCP user manual.
2. After successfully assigning the key fob to the SCP, it is necessary to carry out the process of activating the key fob (switching on, exchanging settings, and switching to the operating mode with the SCP).

To activate the key fob, turn on the activation mode on the SCP and then briefly press any button. Activation of the key fob lasts up to 4 seconds, the indicator (4) will blink a red LED with a period of 0.5 s. This SCP operation mode can be enabled via the Control NOVA II software by clicking the appropriate button in the "Wireless Devices" tab of the required wireless zone from the list of available. Other ways to switch the SCP to activation mode (from the keypad, after switching on the SCP) are described in the user manual for the appropriate SCP. The description of the X-Key indication after activation is given in Table 3.1.

Table 3.1 – Description of LED indication after activation

LED indication	Activation result
Blinking green three times	Successful key fob activation and addition to the SCP
Blinking red twice	Activation failed. The serial number of the key fob does not match the serial number entered in the SCP settings
One time blink red	Activation failed. The key fob is out of range of the wireless network, or the SCP is turned off or not in the activation mode

The key fob has protection against false presses. To execute the command, you need to press the button from 0.3 to 2 seconds and then release, after which the LED indicator (4) on the added key fob flashes one of the colors:

- green - command has been transferred;
- red - command has not been transferred (try again);
- 2 short blinking in green - wrong press (the button was held for more than 2 seconds), the command will not be executed.

After successful transmission of the command, with an interval of 1 s, the indicator **(4)** blinks, confirming the execution of the command, according to Table 3.2. There is no indication of command execution for the panic button **(5)** and when the previous command is repeated.

The indication during command execution is specified in Table 3.2.

Table 3.2 – Description of command execution indication

LED indication	The result of the command
Short-term triple blinking of the green indicator	The command is executed
Short-term triple blinking of the red indicator	The command is forbidden to execution

If the key fob is added to the user, the key fob indication is always on. If the key fob is added to the zone, the default indication is turned off, but it is possible to turn it on using the oLoader II software.

The key fob configured as a "Panic button" sends an alarm message when any button is pressed.

The key fob can be removed by the installer and administrator of the Control NOVA II software in the "Wireless Devices" tab, as well as the installer from the display keypad.

To reset the key fob to default settings (and remove the key fob from the SCP settings if the key fob is connected to the SCP), press, and hold the buttons **(2)** and **(5)** and hold them (5 s) until the red indicator lights up. After it the buttons **(2)** and **(5)** should be released. For the next two seconds (while the red indicator is lit), briefly press the button **(3)**.

The indication when removing the key fob is shown in Table 3.3.

Table 3.3 – The key fob removal indication

LED indication	The result of removing the key fob
Blinking green twice	Successful removal of the key fob from the SCP and reset to default settings
Blinking green once	The key fob reset to default settings

Each key fob has a unique serial number, which is specified in the QR code and duplicated below it. QR code which is placed on the battery holder **(7)** and duplicated in this user manual and on the package.

The serial number is used to assign the key fob to the SCP using oLoader II or Control NOVA II software.

Battery replacement:

1. Disconnect the top and bottom of the case, which are connected by fasteners.
2. Replace the battery according to the polarity indicated on the holder **(7)** and the battery.
3. Assemble the key fob in reverse order.

Caution:

1. Printed circuit board of the key fob contains static-sensitive components. To avoid damage to sensitive components before handling any boards you should discharge static electricity in your body by touching the ground.
2. Battery replacement must be performed by qualified personnel. The battery must be connected properly according to its polarity.
3. To ensure the safety of the device and the declared characteristics, it is not allowed to replace the battery with another type.
4. It is not allowed to use battery with visible damages.
5. The manufacturer is not responsible for the results of incorrect battery installation.
6. The key fob contains a coin cell battery. Keep away the key fob, new and replaced batteries from children. If you suspect that a child has swallowed a battery, contact a doctor immediately.

4 PACKAGE CONTENTS

After unpacking, visually inspect the key fob to make sure it has no mechanical damage, check the completeness according to Table 4.1.

Table 4.1 – The package contents

Name	Quantity, (pcs.)
X-Key key fob	1
User manual	1
Battery (pre-installed) CR2032 (VARTA)	1

ATTENTION! The characteristics and package contents of the key fob may be changed by the manufacturer without additional notification.

WARNING - KEEP OUT OF REACH OF CHILDREN!



If the battery is swallowed or placed inside any part of the body, it can cause severe or fatal injuries within 2 hours. Seek medical attention immediately.

5 REGULATORY COMPLIANCE

Hereby, "Tiras-12" LTD declares that the radio equipment model X-Key is in accordance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: tiras.technology.

The X-Key fob is designed so that it can be operated as intended in the EU countries, without violating the applicable requirements for the use of the radio spectrum.

The X-Key fob has no restrictions on commissioning in EU countries and does not require obtaining a permit for use.

The X-Key fob complies with RoHS Directive 2011/65/EU.

In accordance with the EU Directive 2012/19/EU on waste electrical and electronic equipment, the key fob should be disposed of separately from household waste. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points.

In accordance with EU Directive 2006/66/EC, batteries (included in the product) should be disposed of separately from household waste. For proper recycling, return the batteries to your local supplier or dispose of them at designated collection points.