

EMULATOR of the SMART-KEY “ISKRA – 3”

Most popular Chinese brands (packs C1, C2, C3, C4, C5) v11.11.25

Package features:

- The **ISKRA-3** device can open, lock, or start the engine of a vehicle equipped with **PEPS** or **BDM** units, even if all keys are lost.
- For some vehicles, a calculated **PIN** code for programming the key via **OBD** is displayed.
- Control of the **ZAVESA** intelligent jammer.
- If an **OBD-logger** is installed, key emulation data can be obtained via the diagnostic port or connection to the vehicle's CAN bus.
- For the supported model range, see the "List of Supported Vehicles" document.

Caution!!!

This device is not intended for illegal activities.

In some countries, law may restrict using such a device!

Scenario #1 – Getting RF signal from key fob (for packs C1 and C2 only).

Steps:

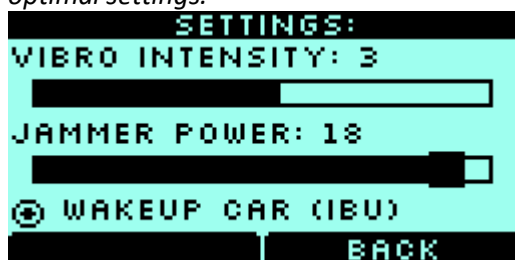
1. Receive the **RF KEY FOB** signal from pressing the **OPEN**, **CLOSE**, or **TRUNK** buttons on the key fob.

Available actions:

1. Emulate the **RF KEY FOB** key fob - you can open and close the car doors.
2. Emulate the **KEYLESS GO** key - you can open, lock, and start the car.

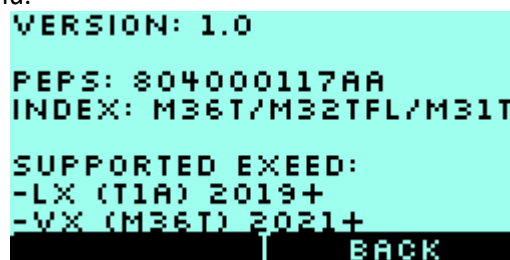
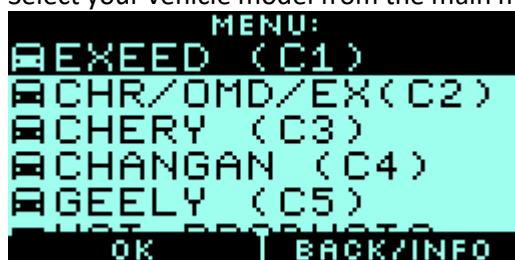
Receiving data:

1. **Scenario #1** is only available in packages **C1** and **C2**.
2. To automate the reception of **RF KEY FOB** signals, connect the **ZAVESA** device to the **ISKRA-3**.
 - Use a **USB-C** cable with ferrite filters to prevent interference. For details, see the **ZAVESA** device description.
 - Ensure that the **ISKRA-3** device settings are set to sufficient transmitter power for the **ZAVESA** device; the **JAMMER POWER** value is between **15** and **18**. We recommend making some experiments to find the optimal settings.



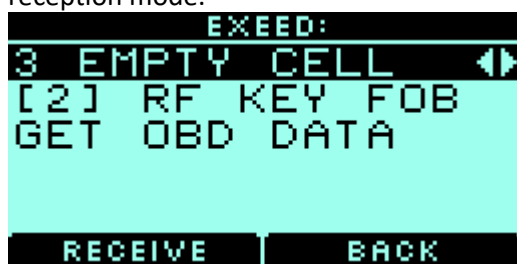
- Avoid placing the devices close to each other during operation to avoid interference.

3. Select your vehicle model from the main menu.

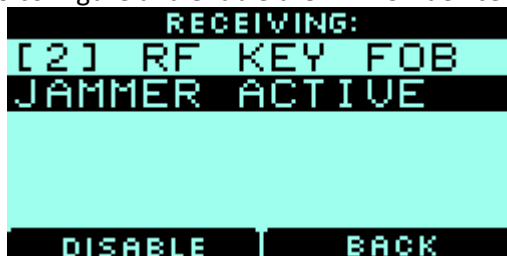
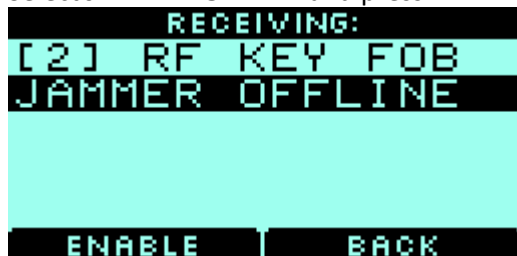


- To view a list of supported vehicles and available operating modes, hold down the **BACK/INFO** button.

- Use the **LEFT** and **RIGHT** arrows to select an empty cell and press **RECEIVE** to switch the device to data reception mode.

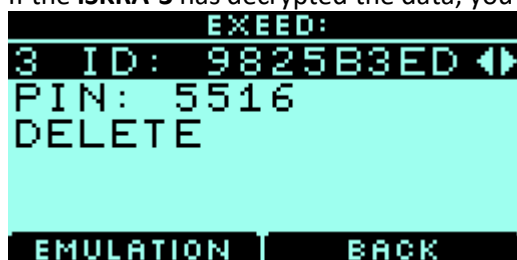


- Select **JAMMER OFFLINE** and press **ENABLE** to configure and enable the **ZAVESA** device.

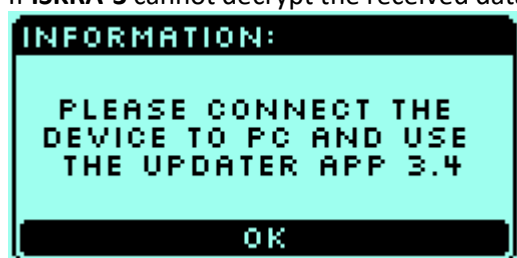


- After successful setup, the **ZAVESA** display will show **JA** (JAMMER ACTIVE).
- In this mode, the **ISKRA-3** will receive the **RF** response from the key to the **KEYLESS GO** request from the car, and the **ZAVESA** device will broadcast powerful interference into the radio waves, "jamming" it.
- When the **OPEN**, **CLOSE**, or **TRUNK** buttons on the key are pressed, the **ISKRA-3** will receive these signals and turn off the **ZAVESA** device.
- Depending on the encryption used in the keys, one to two **RF** packets from the buttons are required.

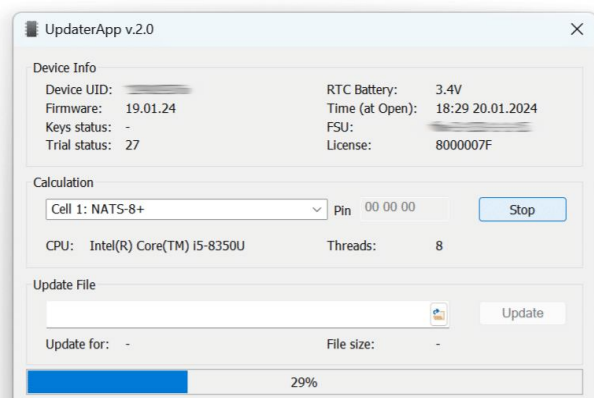
- If the **ISKRA-3** has decrypted the data, you will see the key information and the key **PIN** code.



- If **ISKRA-3** cannot decrypt the received data, you will see the following message.



- In this case, connect the device to the **PC** with a **USB-C** cable and launch the latest version of **UpdaterApp**. In the **Calculation** field, select the cell for the calculation and click **Start** button.



- After successful data calculation, you will see a screen similar to **step #6**. To emulate the key in **KEY FOB** and **KEYLESS GO** modes, click **EMULATION**.



Note:

- By pressing the **UP** or **DOWN** arrows, you can unlock and lock the car via the radio, just like with the original key fob.
- The **@** icon on the screen indicates that a **KEYLESS GO** request has been received from the car.

- In this mode, the **ISKRA-3** device will emulate the car's original key.

Scenario #2 – Receiving data via OBD-socket (for packs C1, C2, C3, C4, C5).

Steps:

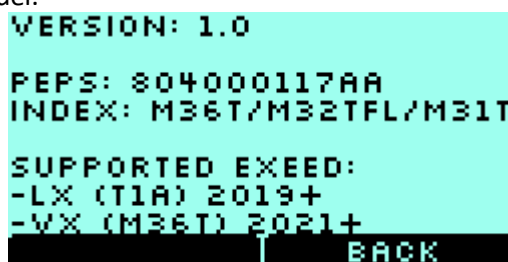
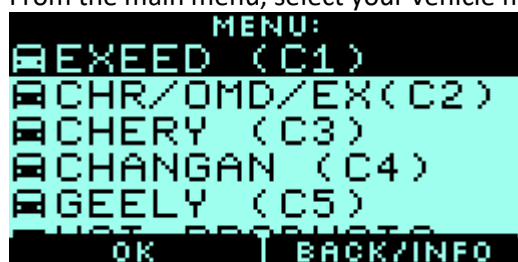
- Use the **OBD-Logger** to obtain key emulation data via the diagnostic connector.

Available actions:

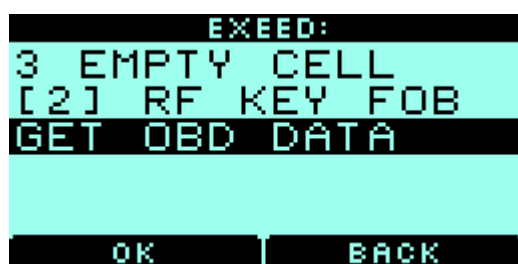
- Emulate the **RF KEY FOB** key fob - you can open and close the car doors.
- KEYLESS GO** key emulation - you can open, lock and start your car.

To obtain data:

- From the main menu, select your vehicle model.



- To view a list of supported vehicles and available operating modes, hold down the **BACK/INFO** button.
- Use the **LEFT** and **RIGHT** arrows to select an empty cell and select the **GET OBD DATA** for data retrieval mode via the diagnostic connector.



- You will see the message - Connect **OBD-Logger** to **ISKRA-3**.



4. Connect the **OBD-Logger** with a **USB-C cable**, the message “connect to the car” will appear on the screen, the **OBD-Logger** will beep and flash a yellow LED while waiting to connect to the diagnostic connector.



Note:

In some cases, you may need to press the START button or brake pedal to wake up the sleeping vehicle and activate the diagnostic bus.

5. After a few seconds, after receiving data through the diagnostic connector, the emulation screen will be displayed.



Note:

- By pressing the **UP** or **DOWN** arrows, you can unlock and lock the car via the radio, just like with a standard key fob.
- The **@** icon on the screen indicates that the car has received a **KEYLESS GO** request.

Note:

- If you need to reboot a frozen ISKRA-3 device, hold down the power button (X) for 20 seconds.