SMART KEY EMULATOR "ISKRA- 3"
Software module "KIA (SMK 3.x)" v.05.12.23

Capabilities of the "KIA (SMK3.x)" software module:
- The **"ISKRA-3"** device can open, close or start the engine of a car equipped with an **SMK3** unit even if all the keys are lost.
- The calculated **PIN code** for programming the key via the diagnostic connector is displayed.
- If you have an **OBD programmer "KKP" (KOREA KEY PROGRAMMER)**, you can program a new key directly from the **ISKRA** device.
- Intelligent data calculation algorithm.
- Ten memory cells.

Supported model range (only cars with KEYLESS GO):
- KIA OPTIMA (JF) 2018-2020
- KIA CARNIVAL (YP) 2014-2021
- HYUNDAI VELOSTER (II) 2018-2022
- GENESIS G80 (I) 2016-2020
- GENESIS G90 (I) 2016-2019(?)
- Moreover, others equipped with the SMK3.x unit.

SCENARIO #1
(You DO NOT KNOW the car's PIN code).

Work sequence:
1. Receive the **RF KEY FOB** and **RF KEY ID** radio signal from pressing the **OPEN** or **CLOSE** button on the key fob.
2. Receive a **COMFORT** signal from the car.
3. Receive the **KEYLESS GO** signal from the button on the door handle.

Available actions:
1. Emulation of **RF KEY FOB** - you can open and close car doors.
2. **KEYLESS GO** key emulation - you can open, close and start the car.
3. Program new key through the **OBD programmer "KKP".**

Receiving of data:
1. Select mode – **KIA (SMK3.x)** from the main menu.
2. Use the **LEFT** and **RIGHT** arrows to select an empty cell and press **RECEIVE** to switch the device to data reception mode.
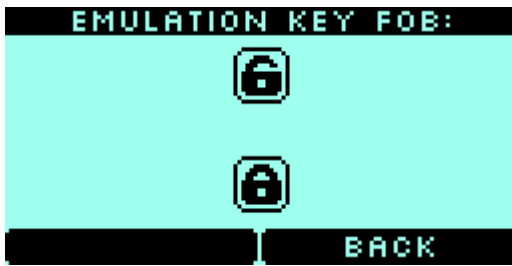

3. Press **OPEN** or **CLOSE** on key fob. After the signal is successfully received, you will see **[+]** in RF **KEY FOB** and **RF KEY ID**.

Note:
*To receive a radio signal from the **OPEN** or **CLOSE** buttons, you must be at **up to 20 meters** from the key fob.*

4. Press **EMULATION** to emulate **KEYFOB.**

EMULATION KEY FOB:

Note:
*By pressing the **UP** or **DOWN** arrows, you can open and close the car via remote radio signal, just like from your original key fob.*

5. To emulate the operation of a key using **KEYLESS GO**, you need to obtain additional data from the car. **Simply select RECEIVE in the same cell, where you previously got the signal from EXACT car.**

HITAG3 (SMK):
```
1 PIN: 331509
EMULATION KEY
[+] RF KEY FOB
[+] RF KEY ID
[ ] KEYLESS GO
   RECEIVE    BACK
```

RECEIVING:
```
[+] RF KEY FOB
[+] RF KEY ID
[ ] KEYLESS GO
[+] COMFORT
        @
   EMULATION    BACK
```

- To receive the **COMFOR**T signal – **ONLY** approach the car, if the car is equipped with this function, the signal will be received and recorded in the device.

  *Note: The vehicle **must be locked**. If the car is not equipped with the **COMFORT** function, the device itself will calculate the necessary data in a few minutes.*

- To receive the **KEYLESS GO** signal, press the button on the car handle.

  *Note: Be careful if you record a **KEYLESS GO** signal from different car, the key emulation will not work, and you will have to obtain the **RF KEY** data again.*

6. After all of the necessary data was obtained, you will get the following menu.

HITAG3 (SMK):
```
1 PIN: 331509    ◀▶
DELETE



   EMULATION    BACK
```

7. To emulate a key as **KEY FOB** and **KEYLESS GO** press **EMULATION**.

EMUL KEY FOB/KEYLESS:

Note:
*- By pressing the **UP** or **DOWN** arrows, you can open and close the car via the radio, just like with your own key fob.*
*- The **@** icon on the screen indicates that a **KEYLESS GO** request has been received from the vehicle.*

• In this mode, the ISKRA-3 device will emulate original key.

Note:
- During key fob emulation via radio, the keystroke counter changes.
- You may need to perform a certain number of presses on the open or close button on the device in order to catch up with the runaway counter of the original key.

SCENARIO #2
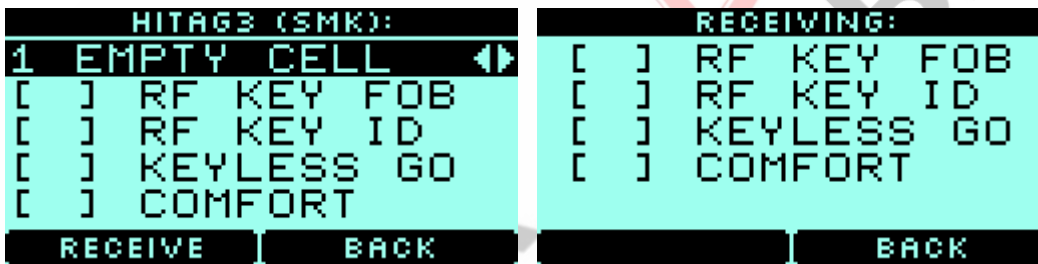## (You know the car's PIN code)

Work sequence:

1. Receive an **RF KEY ID** signal in the moment the key is brought nearly to the car.
   *Important: The car must be equipped with the **COMFORT** function. You can verify this by receiving the **COMFORT** signal on the device, otherwise use **SCENARIO #1**.*
2. Receive a **COMFORT** signal from the car.
3. Receive the **KEYLESS GO** signal from the button on the door handle.
4. Enter the **PIN** code and calculate the data for emulation.

Available actions:

1. **KEYLESS GO** key emulation - you can open, close and start the car.
2. Programming a new key through the **OBD programmer "KKP"**.

Receiving of data:

1. Select mode – **KIA (SMK3.x)** from the main menu**.**
2. Use the **LEFT** and **RIGHT** arrows to select an empty cell and press **RECEIVE** to switch the device to data reception mode.

3. To receive the **RF KEY ID** signal, you must be at **up to 20 meters** from the car now when the key is brought to it. The car's mirrors will open and **[+] RF KEY ID** will appear on the device screen.

Note:
*The car must be equipped with the **COMFORT** option. You can verify this by receiving the **COMFORT** signal on the device, otherwise use **SCENARIO #1**.*

4. To emulate the operation of a key using **KEYLESS GO**, you need to obtain additional data from the car. **To do this, select the RECEIVE mode in the cell where you have already received a radio signal from the SAME car.**

- To receive the **COMFORT** signal - approach the car, if the car is equipped with this function, the signal will be received and recorded in the device.

  Note: The vehicle must be locked.

- To receive the **KEYLESS GO** signal, press the button on the car door.

  Note: Be careful if you record a KEYLESS GO signal from different car, the key emulation will not work and you will have to obtain the RF KEY data again.

5. Select **ENTER PIN** and enter the car's PIN.

ENTER CAR PIN

331509

OK   BACK

Note: You may obtain PIN from here: www.mk3.com.

6. After all of the necessary data was obtained, you will get the following menu.

HITAG3 (SMK):
1 PIN: 331509
EMULATION KEY
[ ] RF KEY FOB
[+] RF KEY ID
[+] KEYLESS GO
START   BACK

7. To emulate a key as **KEYLESS GO** press **EMULATION.**

EMULATION KEYLESS:

@

BACK

Note:
*- The @ icon on the screen indicates that a **KEYLESS GO** request has been received from the vehicle.*

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

OBD programmer "KKP" (KOREA KEY PROGRAMMER)
- To program a new key connect the **"KKP" OBD programmer to the "ISKRA-3"** device using a **USB type C - USB type B** cable.

- An additional **OBD KEY PROG** menu will appear on the cell screen (where you see the PIN code from the car) and the main screen. Take the required action.

- For additional information, read the **OBD programmer "KKP"** manual.