# SKP-900 User's Manual

## 1. Introduction

SuperOBD SKP-900 Key Programmer is a hand-held device for reading and programming auto transponder keys, auto remote keys, and auto smart keys. It is strong in functions, easy to use, and cost-effective in price, and is the best choice for a locksmith shop and even for DIYs.

## 1.1 Features:

- Display: 80X65mm LCD
- > Easy to read screen and friendly interface
- ➢ Operating temperature: -10℃ 50 ℃
- Operation Voltage: DC 11V-28V
- Software Version: V2.0
- > Wide Vehicle Coverage
- > No tokens need for all software you already have in the machine
- > Don't need PIN code when programming keys for many vehicles
- > Can read PIN code for many vehicles
- Frequent update.
- > Built-in connector design, only a few connectors needed

## Supported Vehicles:

- Europe: ALFA, AUDI, CITROEN, FIAT, JAGUAR, OPEL, PEUGEOT, RENAULT, ROVER, SMART, SKODA, VW
- America: BUICK, CADILLAC, CHEVROLET, CHRYSLER, DODGE, FORD, GM, JEEP, LAND ROVER, LINCOLN,
- ASIA: ACURA, HONDA, HYUNDAI, INFINITI, KIA, LEXUS, MAZDA, MITSUBISHI, NISSAN, PROTON, SSANGYONG, SUBARU, SUZUKI, TOYOTA
- China: BRILLIANCE, BYD, CHANGAN, CHANG FENG, CHERY, DONG FENG, DONG FENG NISSAN, FAW, GEELY, GREAT WALL, HA FEI, HAINAN MAZDA, JAC, JIN BEI, LI FAN, LU FENG, LUXGEN, MAPLE, MG, ROEWE, ZOTYE 5008



SN: Tool Serial Number

#### **1.2 Support Protocols:**

SAE-J1850 PWM, SAE-J1850 VPW, KWP2000, ISO-9141, CANBUS, SINGLE CAN

#### 1.3 Packing List:

- SuperOBD SKP-900 main unit,
- Main Cable,
- Honda-3 connector,
- Kia-20 connector,
- Hyundai/Kia-10 connector,
- USB cable,
- SuperOBD SKP-900 User's Manual, CD

## 2. Menu Introduction



Menu has 7 options as follows:

#### 2.1 IMMOBILIZER

It let you program auto transponder keys, auto smart keys and auto remote keys for European cars, American cars and Chinese cars.

## 2.2 MILEAGE ADJUST

It can allow you to read and change mileage data.

## 2.3 SPECIAL FUNCTION

It works with various adapters to identify chips.

## 2.4 HAND OPERATE

In certain condition, it can help you match keys and remotes manually.

## 2.5 ADD FREE TOKENS

The tokens for SKP-900 Key Programmer are limited. If you use up, you need to contact your dealer to add your tokens by free.

## 2.6 TOOL SETTING

It can provide you with hardware Info and SN of your device.

## 2.7 FUNCTION UPDATE

It can help you update software online if possible.

## 3. Operation Instruction

This operation instruction will tell you how to use your scan tool. For other vehicles, you can perform it by referring to the instructions or according to operation tips on the screen.

Take FORD as an example, if all key is lost, you can use SuperOBD SKP-900 to match key. Firstly, you must connect this device to the OBD II connector via Main Cable.

Select Vehicle: [FORD] $\rightarrow$ [FOCUS]:

| KEY PROGRAMMER       | -  |
|----------------------|----|
| FORD                 | -  |
| KUGA                 |    |
| FOCUS<br>FIESTA      |    |
| MONDEO KEYLESS       |    |
| MONDEO KEY           |    |
| MAX<br>TRANSIT 10-   |    |
| [Yes][No] AV D [02/1 | 61 |
| SKP-900              |    |

Press [YES], and select 'IMMOBILIZER' according to your vehicle:



```
Press [YES]
```



Press [YES]





ADD KEY: for matching new key

DELETE KEY: for deleting all registered keys and so the lost keys can't be used neither

We suggest that you delete all keys before matching new keys.

Select [DELETE KEY] and press [YES]:

| KEY PROGRAMMER  |  |  |  |  |
|---|--|--|--|--|
| FUNCTION SELECTION  |  |  |  |  |
| IT WILL DELETE ALL<br>REGISTERED KEYS. ADD<br>MINIMUM 2 KEYS SO AS TO<br>START ENGINE<br>[YES]CONTINUE [NO]BACK |  |  |  |  |
| [Yes][No] [02/02]   |  |  |  |  |
| SKP-900   |  |  |  |  |

As shown on the screen, you must add at least 2 new keys to start the engine after deleting all registered keys.



Press [YES]





SKP-900

It shows that deleting keys is succeeded. Press [NO]:







According to the instruction on screen, you should insert a new key and turn IGN on. You may see the IMMO indicator light will flash when inserting a key which cannot start Engine.

Press [YES]



#### Press [YES]





You have successfully programmed the first new key.

Press [NO]:



Press [YES], continue to program another key:



## Press [YES]



Press [YES]





So far two new keys have been successfully programmed. Now you can use any one of them to start the engine. Of course, if you want add more keys, you just need to repeat the above operations.

## 4. Update software

Make sure you have installed USB Driver before updating software.

## 4.1 Install Driver

For the first time to connect your device with PC via a USB cable, the computer screen will remind you install the USB driver as follow:

| Found New Hardware Wi | izar d   |  |
|-----------------------|--|--|
|                       | Welcome to the Found New<br>Hardware Wizard<br>Windows will search for current and updated software by<br>looking on your computer, on the hardware installation CD, or on<br>the Windows Update Web site (with your permission).<br>Read our privacy policy |  |
|                       | Can Windows connect to Windows Update to search for<br>software?<br>Yes, this time only<br>Yes, now and every time I connect a device<br>No, not this time   |  |
|                       | Click Next to continue.  |  |
|                       | Kent Kent Kent Kent Kent Kent Kent Kent  |  |

Change selection->



#### Next->



Next->

| Please | choose your search and installation options.  |
|--------|---|
| 0      | earch for the best driver in these locations.   |
|        | se the check boxes below to limit or expand the default search, which includes local aths and removable media. The best driver found will be installed. |
|        | Search removable media (floppy, CD-ROM)   |
|        | Include this location in the search:  |
|        | I:V Browse  |
| 01     | ion't search. I will choose the driver to install.  |
|        | hoose this option to select the device driver from a list. Windows does not guarantee l   |
| ,      | e driver you choose will be the best match for your hardware.   |
|        | < Back Next > Cancel  |

## Browse the USB driver folder->

| Please choose          | Browse For Folder                                | ? 🔀       |            |
|------------------------|--|-----------|------------|
| 💿 Search fo            | Select the folder that contains drivers for your | hardware. |            |
| Use the c<br>paths and | 🕀 🎱 DVD Drive (H:)                               |           | :s local   |
| Se                     | 🖃 🕯 Removable Disk (I:)                          |           |            |
| <br><b>⊡</b> Inc       | SKP-900 manual                                   |           |            |
| ΕX                     | USB driver                                       |           |            |
| 🔿 Don't sea            | 🔁 i386   |           |            |
| Choose th              | E C Static                                       |           | arantee th |
| the driver             | To view any subfolders, click a plus sign above  |           |            |
|                        | ( OK   | Cancel    |            |

OK->

| und New Hard  | ware Wizard  |
|---|--|
| Please choose   | your search and installation options.  |
| Use the ch<br>paths and<br>Sea<br>Inclu<br>I:\S<br>O Don't sear<br>Choose thi | the best driver in these locations.<br>teck boxes below to limit or expand the default search, which includes local<br>removable media. The best driver found will be installed.<br>rch removable media (floppy, CD-ROM)<br>ude this location in the search:<br>KP-900 manual\Update Tool\USB driver I I I I I I I I I I I I I I I I I I I |
|   | < Back Next > Cancel   |
| Hardwar   | e Installation   |
| <u>.</u>  | The software you are installing for this hardware:<br>USB Serial Port  |
|   | has not passed Windows Logo testing to verify its compatibility with Windows XP. ( <u>Tell me why this testing is important.</u> )   |
|   | Continuing your installation of this software may impair<br>or destabilize the correct operation of your system<br>either immediately or in the future. Microsoft strongly<br>recommends that you stop this installation now and<br>contact the hardware vendor for software that has<br>passed Windows Logo testing.                      |
|   | Continue Anyway STOP Installation  |

Continue Anyway->



Click Finish, wait about 2 seconds->



#### Change select->



Next->

| Found New Hardware Wizard  |
|--|
| Please choose your search and installation options.  |
| • Search for the best driver in these locations.   |
| Use the check boxes below to limit or expand the default search, which includes local<br>paths and removable media. The best driver found will be installed.   |
| Search removable media (floppy_CD-BOM)   |
| Include this location in the search:   |
| I:\SKP-900 manual\Update Tool\USB driver 🛛 Browse  |
| O Don't search. I will choose the driver to install.   |
| Choose this option to select the device driver from a list. Windows does not guarantee that<br>the driver you choose will be the best match for your hardware. |
|  |
| K Back (Next >) Cancel   |

## Next->

|   | The software you are installing for this hardware:  |
|---|---|
| - |   |
|   | USB Serial Port   |
|   | has not passed Windows Logo testing to verify its compatibility   |
|   | with Windows XP. (Tell me why this testing is important.)   |
|   | Continuing your installation of this software may impair<br>or destabilize the correct operation of your system<br>either immediately or in the future. Microsoft strongly<br>recommends that you stop this installation now and<br>contact the hardware vendor for software that has<br>passed Windows Logo testing. |
|   |   |
| - |   |

Click Continue Anyway->



Click Finish.



Installation finished.

#### 4.2 Device Operation (two ways to enter update mode)

4.2.1 Connect your device to PC via USB Cable, and do not make any operation as follows:



4.2.2 Select "FUNCTION UPDATA" in main Menu and press [YES]:



# 4.3 Run "SuperOBD SKP-900 Update Tool.exe"

4.3.1 Run SuperOBD SKP-900 Update Tool.exe->

| OP      | EN       | OPEN UPDATE | FILE FIRST. |
|---------|----------|-------------|-------------|
| STEP2 S | SELECT C | OM PORT     |             |
| COM1    | *        | AUTO        | DOWNLOAD    |

4.3.2 Press button "OPEN" to load update file->

| Open           |                                     | ?        |
|----------------|-------------------------------------|----------|
| Look in: 🔁     |                                     |          |
|                |                                     |          |
|                |                                     |          |
|                |                                     |          |
| File name:     | UpdateV2.1.bin                      | Open     |
| Files of type: | updatefile (*.bin)                  | ✓ Cancel |
|                | 1 OPEN UPDATE FILE<br>OPEN UpdateV2 |          |
| STEP           | 2 SELECT COM PORT-                  |          |
| COM            | 1 <b>AUTO</b>                       | DOWNLOAD |
| 1028 8         | OD GUD OOO IDDATE                   | OWT I    |
| USE F          | OR SKP-900 UPDATE                   | UNLI     |
|                |                                     |          |
|                |                                     |          |
|                |                                     |          |

## 4.4 Select COM port (TWO WAYS TO SELECT COM PORT)->

4.4.1 Press button "AUTO" (way 1)

| STEP1 OPE | N UPDATE FILE |          |
|-----------|---------------|----------|
| OPEN      | UpdateV2.1.   | .bin     |
|           |               |          |
| COM3 -    | AUTO          | DOWNLOAD |
|           |               |          |

#### 4.4.2 Manually choose(way 2)

| 🍰 SKP-900 UPI  | ATE TOOL                  | . 🛛 2. 3 |
|----------------|---------------------------|----------|
| STEP1 OPEN UPD | ATE FILE —<br>UpdateV2.1. | bin      |
| STEP2 SELECT C | OM PORT                   | DOWNLOAD |
| COU2           | UPDATE ONL                | Х        |

#### 4.4.2.1 How to get Port Number:

"My Computer"-> Click the right mouse button->Manage->:



#### Device Manager->



#### Ports(COM&LPT)->



## Find USB Serial Port->



COM port is COM3.

#### 4.5 Download file

Press button "DOWNLOAD"->

| STEP1 OPEN 1  | PDATE TOOL     |          |   |
|---------------|----------------|----------|---|
| OPEN          | UpdateV2.1.bi  | in       |   |
| STEP2 SELECT  | COM PORT       | DOWNLOAD | D |
| USE FOR SKP-9 | OO UPDATE ONLY |          |   |
|               |                |          |   |

| CEP1 OPEN | VPDATE FILE    |   |
|-----------|----------------|---|
| OPEN      | UpdateV2.1.bin |   |
|           |                |   |
|           | CT COM PORT    | _ |
| COM3 👱    | AUTO DOWNLOAI  |   |

#### COMMUNICATE OK->

| 0     | PEN    | Upda  | teV2.1. | bin      |   |
|-------|--------|-------|---------|----------|---|
| CTEPO | SELECT | CON P | ORT     |          |   |
| COM3  |        |       | UTO     | DOWNLOAD |   |
| 1     |        |       |         |          | _ |

## DOWNLOAD FINISH->

| OPEN        | UpdateV2.1. | bin      |
|-------------|-------------|----------|
|             |             |          |
| TEP2 SELECT | COM PORT    |          |
| сомз 🗾      | AUTO        | DOWNLOAD |
| COM3 💌      | AUTO        | DOWNLOAD |

Updating finished. Disconnect USB cable and connect it with PC again to check the main Menu which has been updated or not.