RW5

EN

Operating manual

Translation of the original instructions

vers. 1.0

CE

UK CA

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IMPORTANT NOTE: in compliance with current regulations relating to industrial property, we hereby state that the trade-marks or trade names mentioned in our documentation are the exclusive property of authorized manufacturers of locks and users.
Said trade-marks or trade names are nominated only for the purposes of information so that any lock for which our keys are made can be rapidly identified.

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USING THE MANUAL

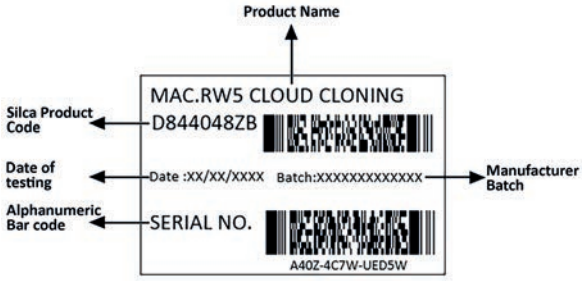
This manual has been drawn up by the manufacturer and is an integral part of the equipment.
The manual provides a series of information which must be known by the operator and which enables the device to be used in safe conditions.

Instruction manual
This user manual is indispensable for the correct use of RW5 and for any maintenance operations that may be necessary.
The manual must be kept carefully throughout the life of the device, including the decommissioning phase.
It must be kept in a dry place near the device and must, in any case, always be available to the user.

It is MANDATORY to read the user manual carefully before using the device.

Characteristics of the addressees
This manual must be used by the personnel in charge after reading and learning its contents.

Manufacturer identification
RW5 is fitted with an identification plate containing the serial number, located on the device packaging.



GENERAL WARNING

The RW5 device has been designed in accordance with the principles of European (CE) regulations.
Solutions have already been adopted in the design phase to eliminate risks to the operator in all phases of use: transport, adjustment, use and maintenance.
The materials used in the construction are non-hazardous and make the device compliant with current standards.
In its construction, all components of the device are safe

In order to operate correctly and reliably, keep the device away from any source of radio interference such as:

- WIRELESS TELEPHONES
- VIDEO TERMINALS
- NEON LIGHTS
- Do not place the RW5 device close to the WI-FI source (e.g. above the wi-fi router a few centimetres away)

RESIDUAL RISKS

RW5 has no residual risk.

PROTECTION AND SAFETY PRECAUTIONS FOR THE OPERATOR

The operations for which the device was designed are easily performed without any risk to the operator. It is a safe device in all its components.

TRANSPORT

RW5 is easily transported and is not dangerous to handle. The packed device can be carried by one person.

PACKAGING

The packing is designed to ensure safe transportation and protect the device and all its parts.

Keep dry

Handle with care

WARNING: the complete packaging must be kept for any possible movement of the device.

ONLINE DOCUMENTATION

For the latest documentation visit **www.silca.biz** regularly or use the MYKEYSPro application.

DECLARATION OF CONFORMITY

Silca S.p.A. hereby declares that this Device complies with the essential requisites and other relevant regulations established by Directive 2014/53/EU and by the Radio Equipment Regulation 2017 (UK).
Read the EU and UKCA declarations of conformity on our website:

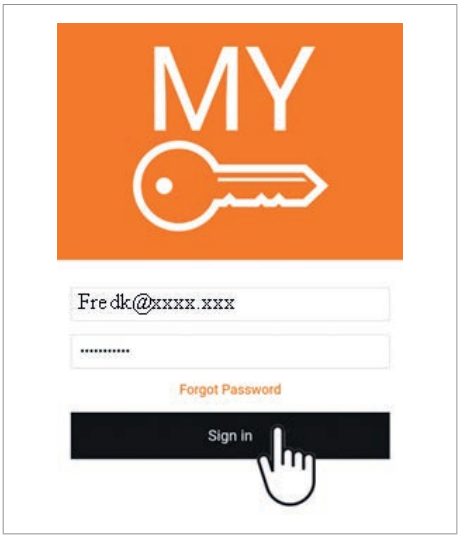
https://www.silca.biz/s-en/products-solutions/products/automotive/cloning-devices

1 FIRST OPERATION TO BE PERFORMED: DEVICE REGISTRATION WITH MYKEYS Pro

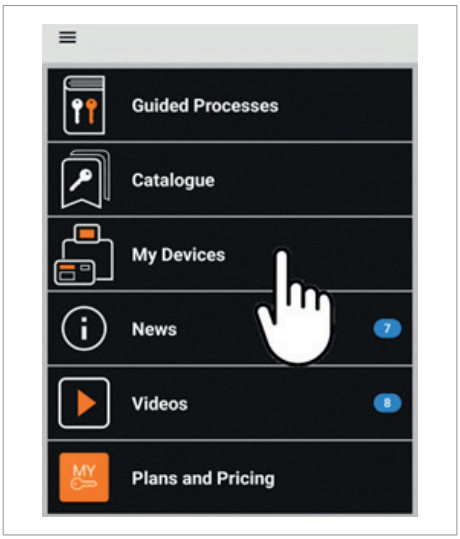
Download MYKEYS Pro from Play Store for Android or APP Store for iOS devices

Android	iOS

To register your Silca device a MYKEYS Pro account is needed.
Login to your MYKEYS Pro account or go to “Create Account” and follow the procedure.

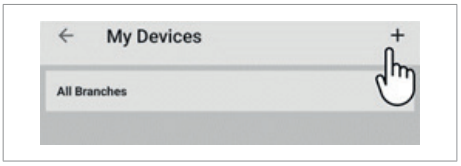


Ensure the device to register is powered ON and charging (connected to the supplied charger or the USB port of a computer). From MYKEYS Pro APP main menu, tap “My Devices” option.

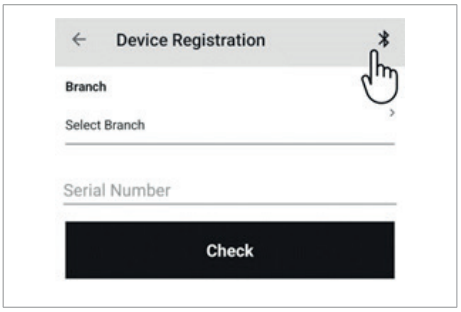


Select the device to register

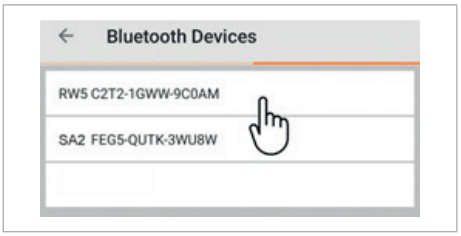
Tap on “+” symbol



then on Bluetooth symbol

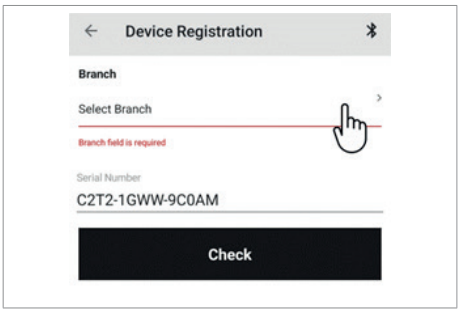


Select the device from the list



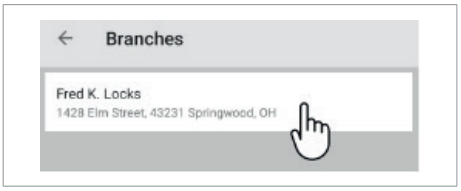
Note: It is possible to register the device by manually entering the serial number in the appropriate field.
(An authentication label indicating the serial number is located on the device’s packaging)

Tap the “Select Branch” field

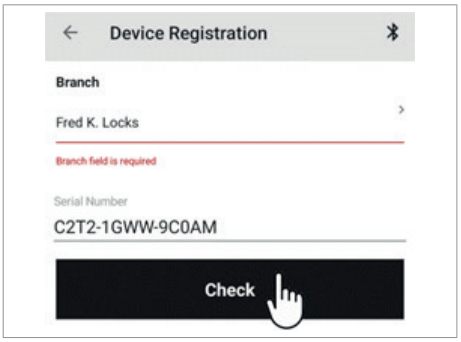


Select the Branch

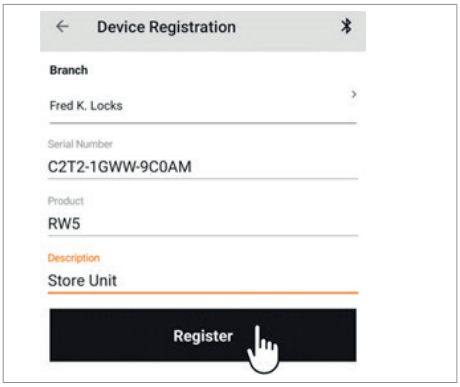
Note: If a branch is not specified, complete the “Business” and “Branch” forms under your Account Details



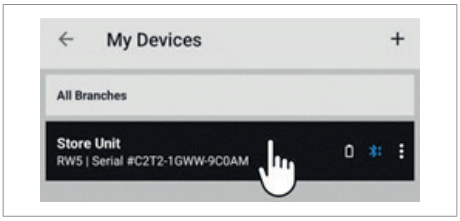
Tap the Check button



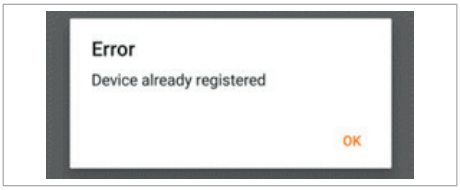
Add a description and tap Register button



The device is now registered. Tap device box to start using it and finalize configuration.



Note: If you are trying to register an already registered device, the following error message will appear



1.1 FIRST UPDATE AFTER DEVICE REGISTRATION

After registration, the device must be updated.
This should only be done the first time, afterwards RW5 will update automatically when it is connected to the internet.
Before starting the procedure, make sure the device is switched on and powered (connected to the charger provided or to the USB port of a computer).
Start the MYKEYS Pro APP and connect the device to a WI-FI network (see chapter 4.2).
Once connected to the WI-FI network, the device will automatically connect to the Cloud and start downloading the first update.
The various steps of the process can be seen by looking at the Cloud connection icon in the connection status bar:

Process steps:

Cloud connection in progress

Downloading the update in progress. (duration 1-10 minutes depending on internet connection speed)

Download completed

Once the download is complete, unplug the power cable. The device will switch off after a short time. To restart the device, reconnect the power cable.
Note: Once the power is reconnected, restarting the device may take up to two minutes.

IMPORTANT: Once the device has been restarted, the connection to the WI-FI network must be reconfigured.

2 DEVICE DESCRIPTION

The device is equipped with a display that guides the user through the use of various functions. To use the advanced functions, the device can be connected to a mobile device (smartphone or tablet) and managed by the MYKEYS Pro application.

2.1 WORKING PARTS

Fig. 1

Fig. 2

Fig. 3

A	ON/OFF button - CANCEL button	**E**	Display screen
B	Scroll up and down buttons	**F**	Communication / charging port (USB 2.0 Micro-B)
C	Select/confirm button	**G**	Product and certificate information label
D	Transponder read and write area		

2.2 TECHNICAL DATA

Power supply:	The device is powered by a non-removable 3.7V lithium-polymer rechargeable battery. It can also be powered via the supplied USB wall charger or by connecting it to the USB port of a computer.	
Technical specifications:	Supply voltage: 5 VDC with an external power supply unit Supply voltage: 3.7 VDC with battery Current consumption: 500 mA	
Antenna range frequencies:	Wi-Fi and BLE antenna: 2.4 GHz LF antenna: 125 - 134 KHz	
Maximum power radiated	**Wi-Fi 802.11b/g/n**	• Operating frequency range: 2.412 - 2.484 GHz • Maximun transmission power: +20 dBm(100mW)
	BLE (Bluetooth Low Energy)	• Operating frequency range: 2.400 - 2.484 GHz • Maximun transmission power: +9 dBm (8mW)
Environmental conditions:	The device operates at an ambient temperature between 0°C and 50°C	
Dimensions:	Height: 145 mm Width: 108 mm Depth: 67 mm Weight: 250 g	
EN 62368-1 compliant	This product meets the requirements of the international standard EN 62368-1	
 	**WARNING** Lithium battery inside. If you notice abnormal overheating of the unit, deformation or leakage of liquids, promptly contact service for instructions on the correct course of action/appropriate intervention. Keep out of the reach of children.	

2.3 FUNCTIONS

- Identifies transponder types by determining the brand and code.
- Checks whether a copy can be made and indicates the Silca transponder to be used.
- Generates blank, pre-coded transponders ready to be programmed on vehicles.

(**NOTE**: most copy operations allowed by the device require an active internet connection)

2.4 ACCESSORIES PROVIDED

The following components are also included in the device package, packed separately:

Power supply with cable 	US Plug 	AUS Plug 
UK Plug 	EU Plug 	

POWER SUPPLY TECHNICAL DATA:

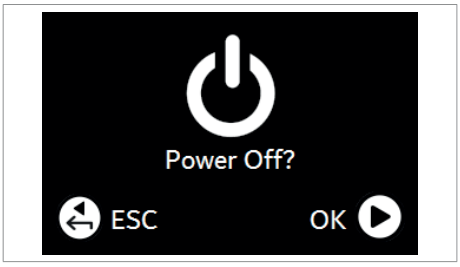
- Output voltage: 5.0V
- Output current: 1000mA
- Input voltage: 90 min - 264 max VAC
- Input frequency: 47 min - 63 max Hz

3 SWITCHING THE DEVICE ON AND OFF

To switch the device on, briefly press the button ESC - ON/OFF:

To switch off, from the main menu, briefly press the button ESC - ON/OFF

The device will ask for confirmation of shutdown:



Press the OK button to confirm or press the ESC - ON/OFF button to cancel

3.1 SOFT RESET OF THE DEVICE - FORCED REBOOT

In the event that the device does not respond, freezes or cannot be switched off normally, press and press and hold ESC - ON/OFF button or 5 seconds and release it, the device will restart automatically.

3.2 STATUS BAR ICONS

Wi-Fi icons:

	Indicates Wi-Fi signal strength (weak to strong)
	A green dot next to the signal strength indicator means that the Wi-Fi network is safe
	A yellow dot next to the signal strength indicator means that the Wi-Fi network is not secure
	The red triangle next to the signal strength indicator means that there are problems with the Wi-Fi network

Battery status icons:

	The battery is almost empty and must be charged as soon as possible
	The battery level is about 25%
	The battery level is about 50%
	The battery level is about 75%
	The battery is fully charged (100%)
	The battery is charging
	The device is connected to a charger but the battery is not charging

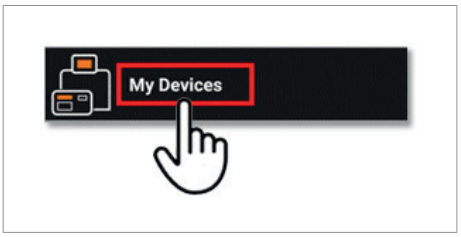
Connection status icons:

	Indicates that the device is connected to a mobile device via Bluetooth

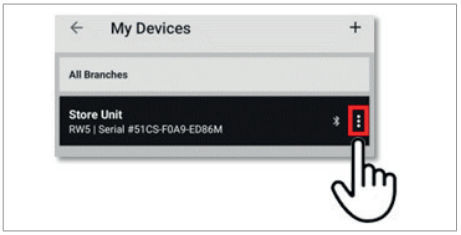
4 USING THE DEVICE FROM MYKEYS Pro

4.1 DEVICE MANAGEMENT MENU

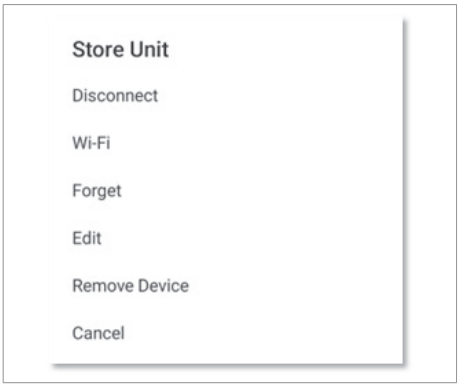
From the MYKEYS Pro APP main menu, tap the “My Devices” option:



The list of registered devices will be shown, tap the menu icon “ ⋮ “



The following Box menu appears:



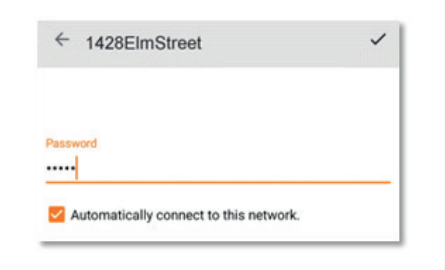
Description of menu items:

Connect / Disconnect:	Tap to connect or disconnect a registered and paired device
Wi-Fi:	Tap to enter the Wi-Fi management settings of the device
Forget:	Remove the selected device from the list of paired devices
Edit:	Tap to edit the device description
Remove Device:	Remove and unregister the device from the account
Cancel:	Tap to exit this menu

4.2 CONNECTING THE DEVICE TO A WI-FI NETWORK

From the DEVICE MANAGEMENT menu, select the 'Wi-Fi' item, make sure Wi-Fi is switched on (1), then select the wireless network (2) to be connected from the available list:

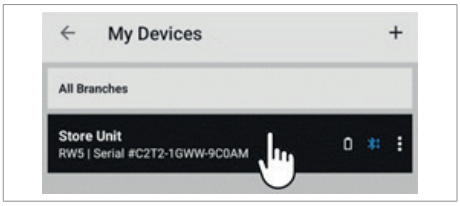
Enter the password of the chosen network:



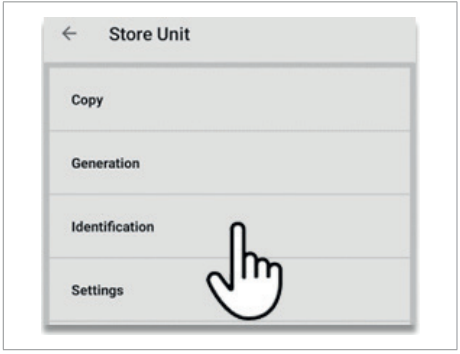
Note: Enable the 'Automatically connect to this network' checkbox to enable the device to automatically connect to the chosen network.

4.3 IDENTIFY A KEY:

From the device list, select device RW5



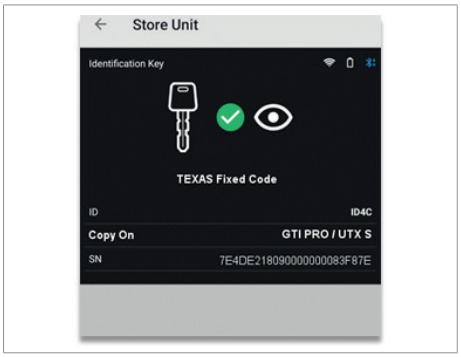
From the proposed menu items, select 'Identification"



Enter the key to be identified on the device, tap the OK button when ready:

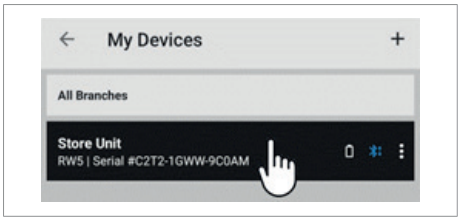
The identification process starts:

After a few seconds, the transponder type and the transponder to be used for copying will be displayed:

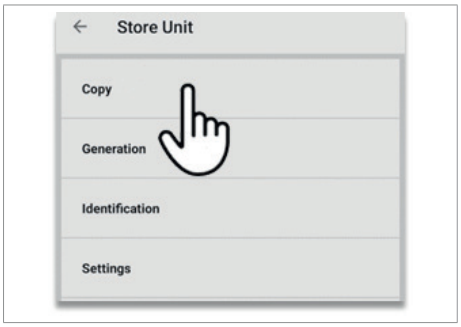


4.4 COPYING A KEY

From the device list, select device RW5



From the proposed menu items, select ‘Copy’



Enter the key to be copied and press OK to start the process and follow the on-screen instructions

(Pressing Cancel will return the device and programme to the previous selection menu)

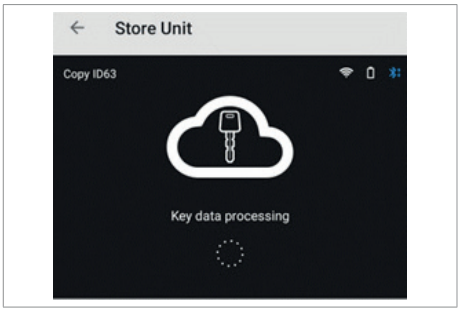
4.5 COPY A TRANSPONDER KEY FOR WHICH SNOOPING IS NOT REQUIRED

Enter the key to be copied and press OK to start the process.

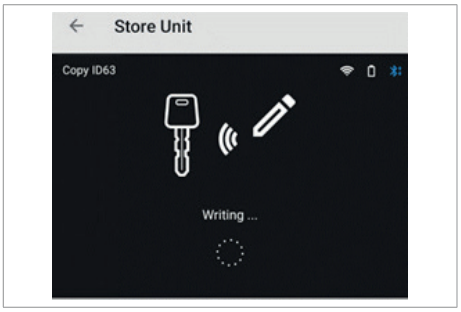
After reading the original transponder, it will be necessary to enter a transponder to authenticate the server for data processing; press OK when ready.

After that, processing of the key data will begin and the transponder copy will be made; this message sequence will be displayed on the screen:

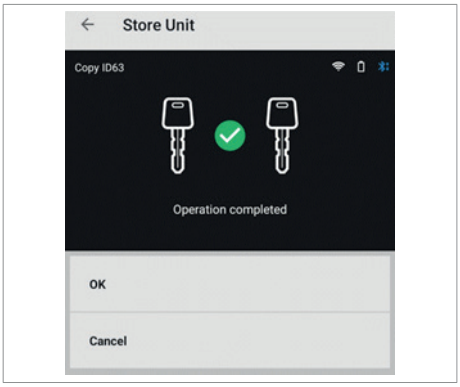
Key data processing



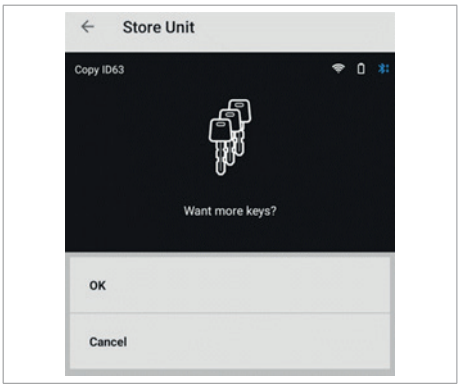
Writing process



When finished copying, press Cancel to return to the main menu or press OK to make further copies.



Press OK again to confirm the start of further copies or Cancel to return to the main menu.

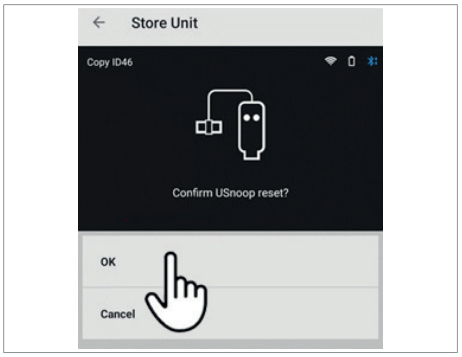


4.6 COPY A TRANSPONDER KEY FOR WHICH A SNOOP IS REQUIRED

Enter the key to be copied and press OK to start the process:

Enter the SNOOP and press OK when prompted:

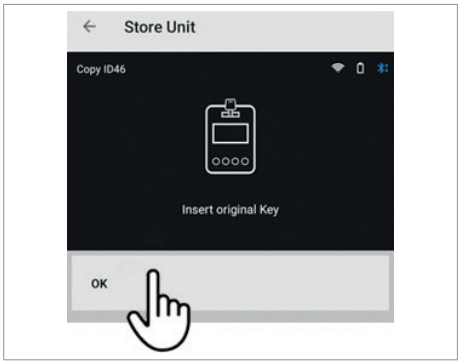
You will be asked to confirm the reset of SNOOP by pressing OK to continue or Cancel to abort.



Once the SNOOP has been reset, go to the vehicle and switch on the ignition for the number of times indicated by the programme (in this case two); once the vehicle data have been collected, press OK.

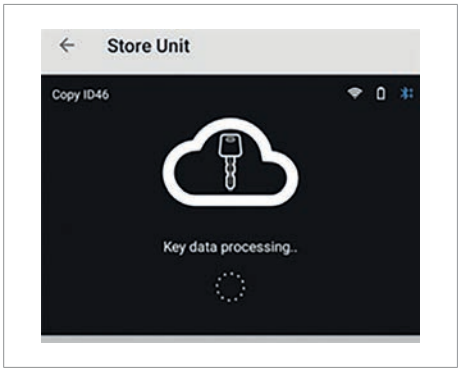
Enter Snoop and press OK when ready.

Once the data collected by SNOOP have been downloaded to RW5, re-insert the original key and press OK:

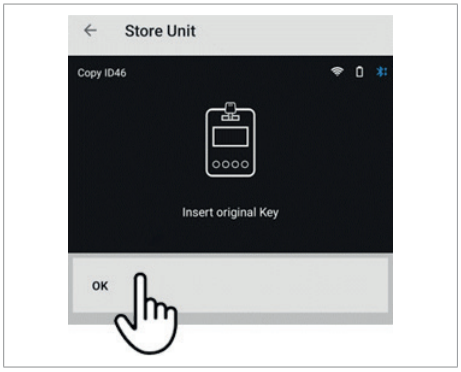


You will be prompted to enter a transponder to authenticate the server for data processing, press OK when ready.

Data processing will begin

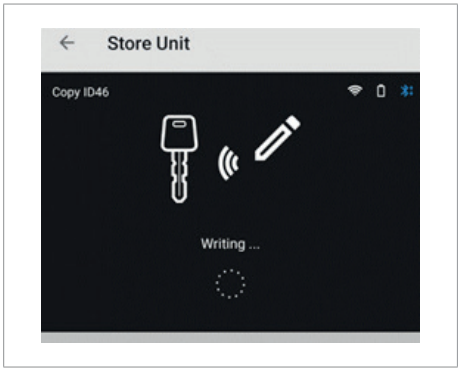


When data processing is complete, re-enter the original key and press OK:

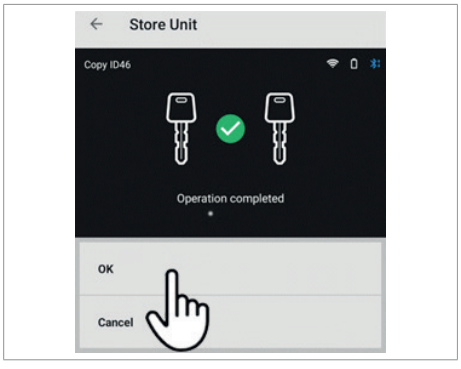


The original key will be checked to confirm that the data match; when finished, enter the transponder proposed by the device and press OK when ready:

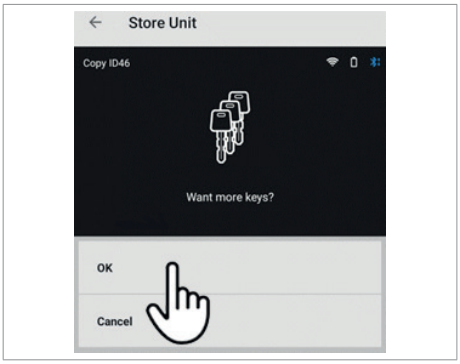
The device starts the writing process:



When finished copying, press Cancel to return to the main menu or press OK to make further copies.

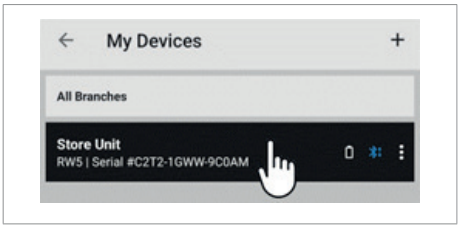


Press OK again to confirm the start of further copies or Cancel to return to the main menu.

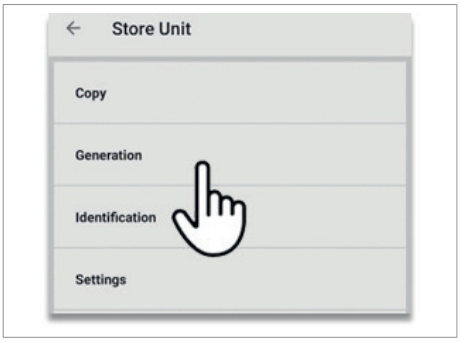


4.7 GENERATE A TRANSPONDER

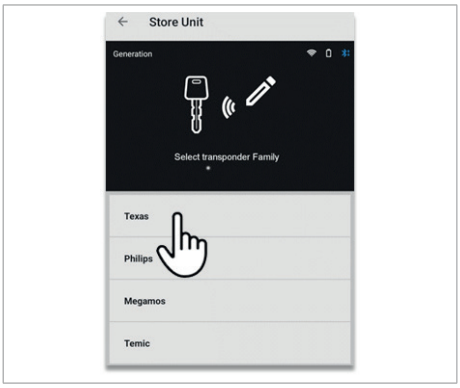
From the list of devices, select RW5:



From the proposed menu items, select Generation



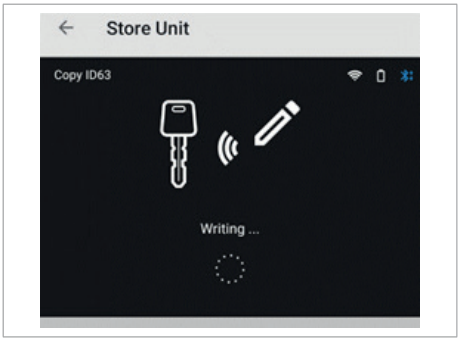
Select the type of transponder to be generated (in this case Texas®):



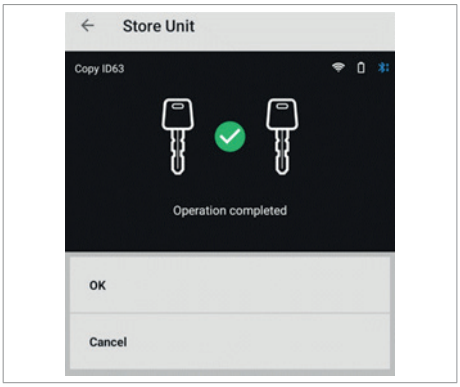
And choose the type of transponder to be generated:

Once confirmed, enter the transponder proposed by the device and press OK when ready:

The writing process will start:



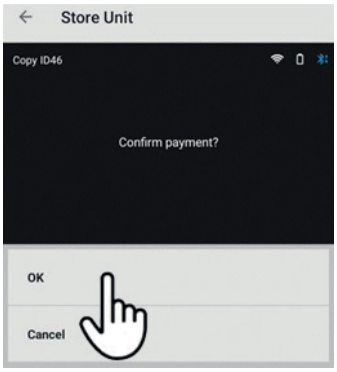
When finished, press Cancel to return to the main menu or press OK to generate more transponders.



4.8 COPY OR GENERATE A KEY ON A TRANSPONDER FOR WHICH PAYMENT BY CREDIT CARD IS REQUIRED

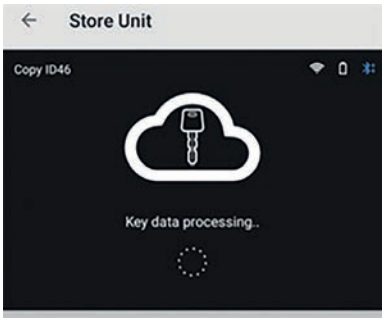
When using transponders that require payment, the device will ask you to confirm payment via a registered credit card (see MYKEYS Pro instructions for guidance on credit card registration).

Confirmation of payment may be required to authenticate the server for data processing or before writing to the transponder. Press OK to continue or Cancel to abort.

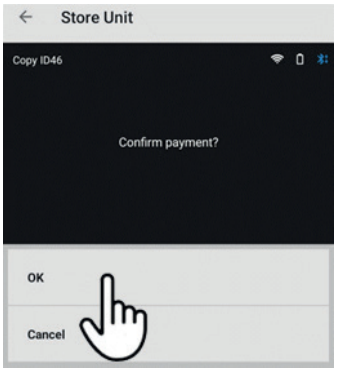


NOTE: payment will only be made after the copying process has been completed

Then processing of the key data will begin:



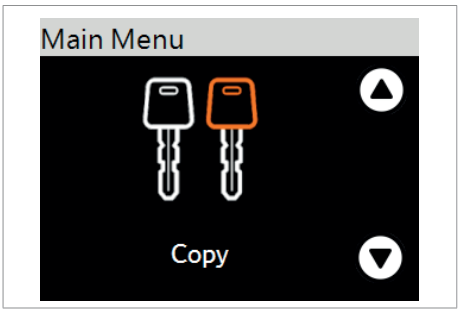
Before starting the writing process on the transponder, press OK to continue.



5 USE THE DEVICE IN STAND-ALONE MODE

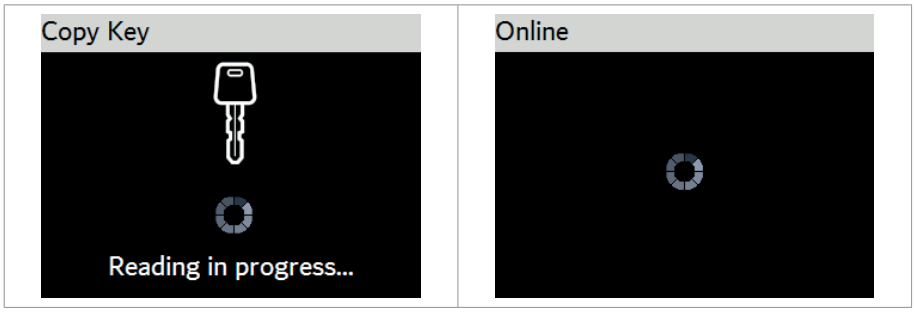
5.1 COPYING A TRANSPONDER KEY

Switch on the device, the 'Main Menu' is displayed and copying can begin:



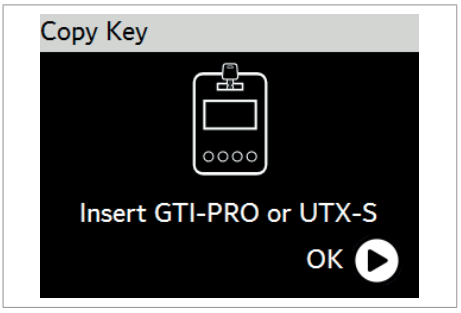
Press the OK button to start the copy process

Enter the key to be copied and press to continue; the following screens will be displayed in sequence

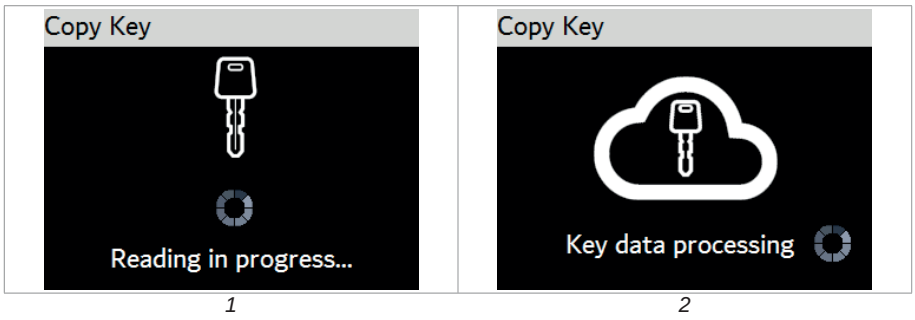


1 *2*

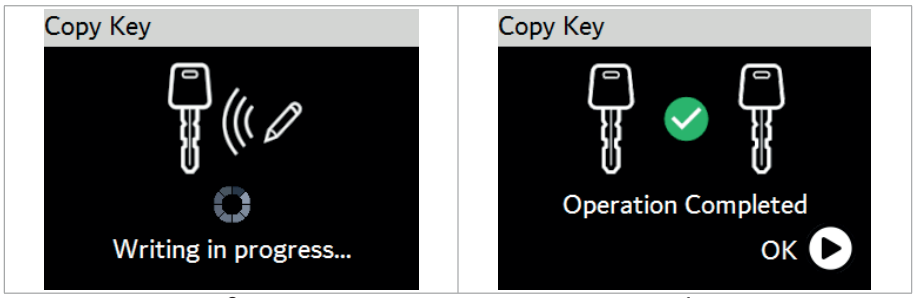
You will then need to enter a transponder to authenticate the server for data processing, press the OK button when you are ready.



Enter the transponder proposed by the device and press the OK button ▶ to continue; the following screens will be displayed in sequence:



1 *2*

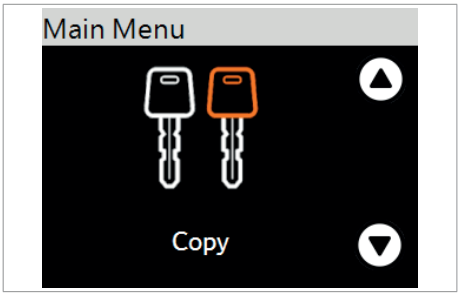


3 *4*

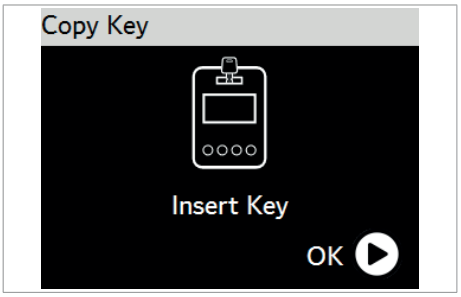
When finished copying, press the ESC button ◀ to return to the main menu or press the OK button ▶ to make further copies.

5.2 COPY A TRANSPONDER KEY FOR WHICH A SNOOP IS REQUIRED

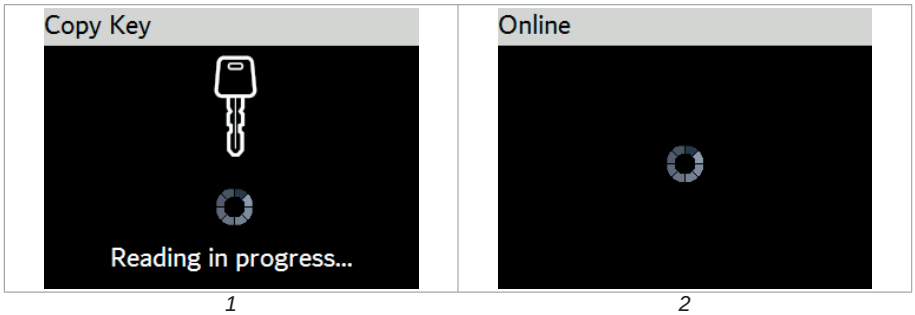
Switch on the device, the 'Main Menu' is displayed and copying can begin:



Press the OK button to start the copy process ▶

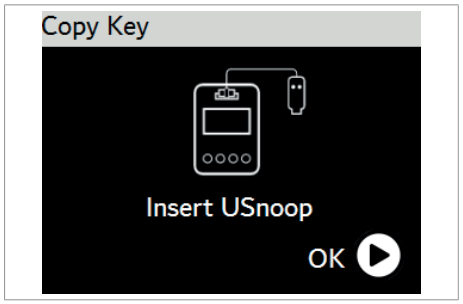


Enter the key to be copied and press OK button ▶ to continue; the following screens will be displayed in sequence:

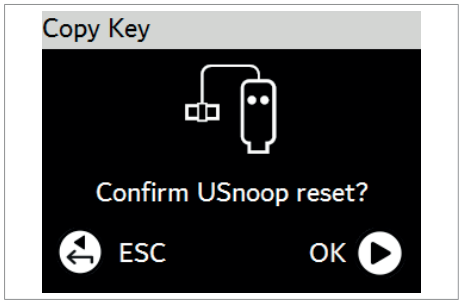


1 *2*

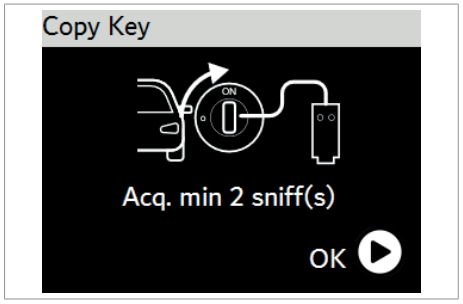
When prompted, enter the SNOOP and press the OK button to continue



You will be asked to confirm the reset of SNOOP, press the OK button to continue or the ESC key to abort .

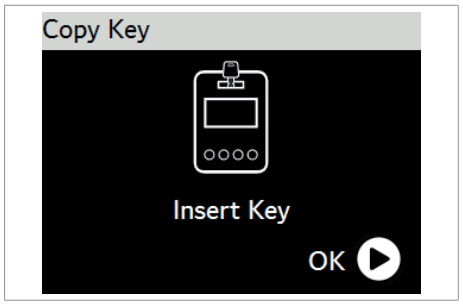


Once the SNOOP has been reset, go to the vehicle and switch on the ignition for the number of times indicated by the programme (in this case two);
once you have collected the data on the vehicle, press the OK button to continue.

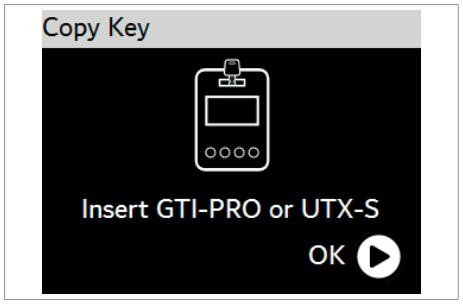


The device will prompt you to reinsert the SNOOP and press the OK button to continue:

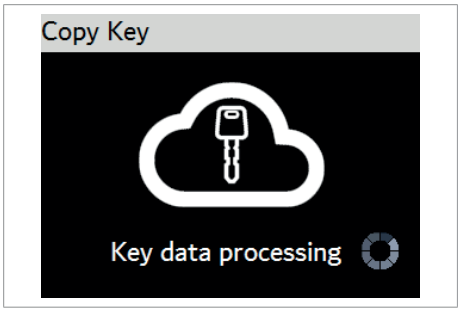
After the collected data has been downloaded to the device, re-insert the original key and press the OK button to continue:



You will then be prompted to enter a transponder to authenticate the server for data processing; press the OK button to continue.



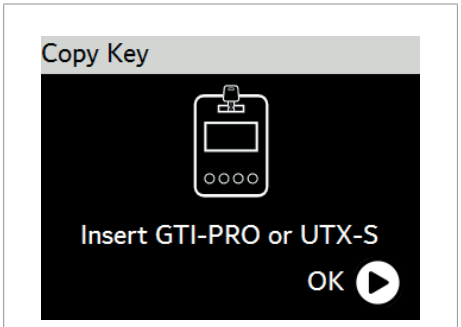
Enter the transponder proposed by the device and press the OK button to continue, data processing is started:



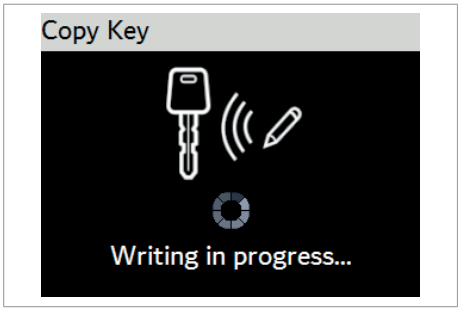
After a few seconds, the device will ask you to re-enter the original key to check if it matches the processed data, press the OK button to continue.

If the processed data matches the original key, the device will ask you to enter a transponder for the write process;

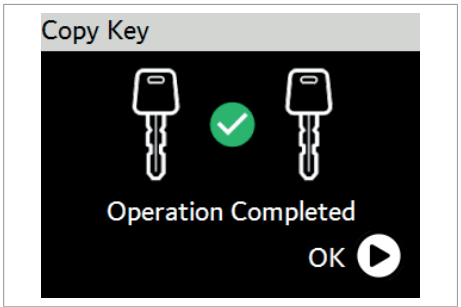
press the OK button to continue.



The writing process starts by displaying the following screens



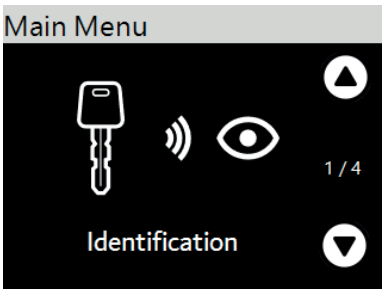
then



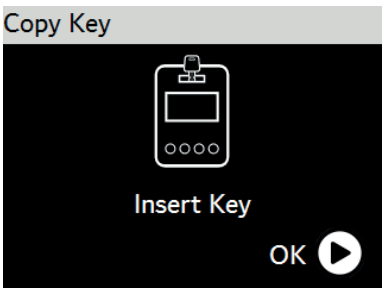
When finished copying, press the ESC button to return to the main menu or press the OK button to make further copies.

5.3 IDENTIFYING A KEY

From the ‘Main Menu’, press the ‘Down Arrow’ button until you reach the Identification function:

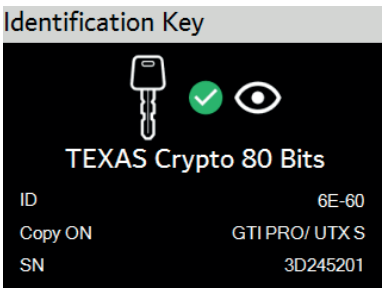


Press the OK button pto start the process, the device will ask you to enter the key:



Enter the key to be identified and press the OK button again, again after a few seconds the following data will appear on the display:

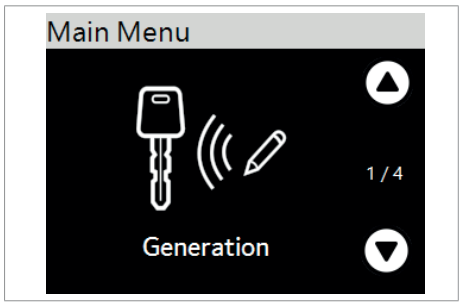
- ID: indicates the type of transponder
- Copy ON: iindicates the transponder to be used for copying
- SN: indicates the Serial Number of the transponder in the original key



Pressing the ‘up’ and down’ buttons will display further data on the identified transponder.

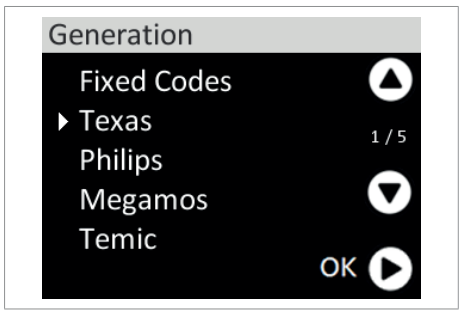
5.4 GENERATE A TRANSPONDER

From the 'Main Menu', press the 'Down Arrow' button until you reach the Generation function:

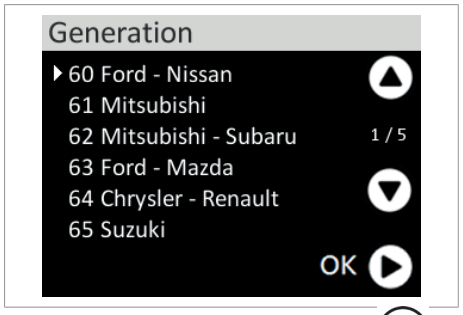


Press the OK button to enter the list of available transponder generations.

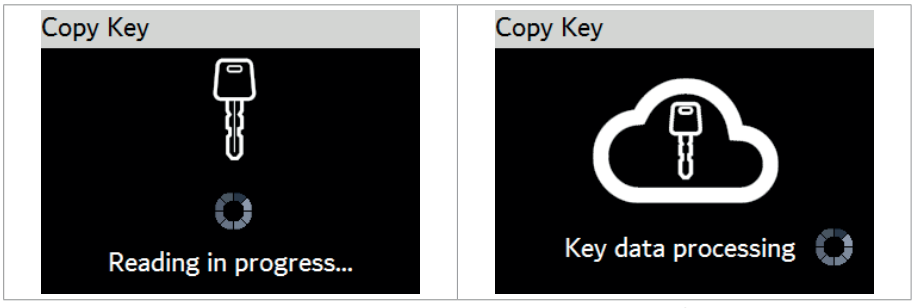
Select the type of transponder to be generated (in this case Texas®), scroll through the list with the 'up' and 'down' buttons and confirm by pressing the OK button



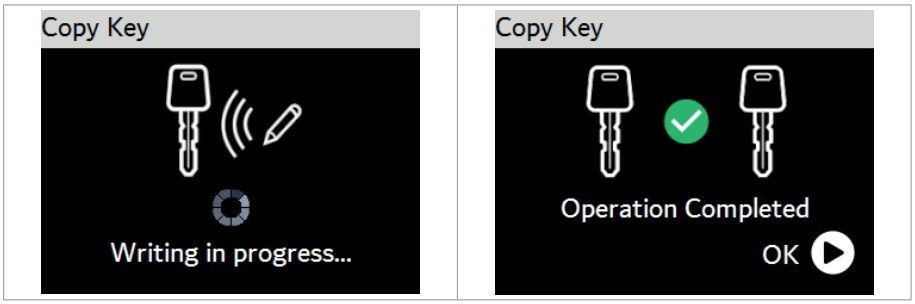
Choose the type of transponder to be generated, use the 'up' and 'down' buttons to scroll through the list and confirm by pressing the OK button .



Once the operation is confirmed, enter the transponder proposed by the device and press the OK button to continue. The following screens will be displayed in sequence:



1 *2*

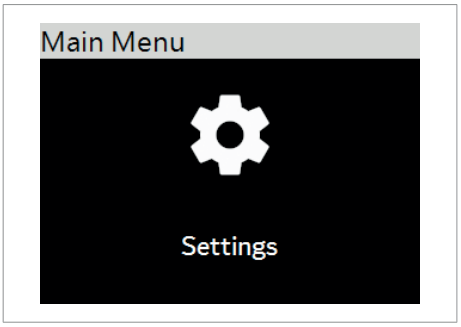


3 *4*

When finished copying, press the ESC button or return to the main menu or press the OK button to make further copies.

5.5 SETTINGS MENU

From the ‘Main Menu’, press the ‘Down Arrow’ button until you reach the Settings function.



Press the OK button to enter the settings menu.

6 USE OF THE SNOOP

6.1 USE ON THE DEVICE

Position the SNOOP antenna at the side of the hole in the identification and writing area of RW5. For best results hold the antenna in a vertical position. (fig. 2)

Fig.1

Fig. 2

6.2 USE ON THE VEHICLE

Positioning antenna on key (for use on the vehicle only):

the U-SNOOP antenna must be attached to the head of the key to be copied , see figure opposite.
Place the antenna in the centre of the key head. Secure the antenna to the key with the elastic band.

1. Insert the key with the SNOOP antenna attached into the ignition switch.
2. Turn on the vehicle control panel; LED “1” on SNOOP will flash for a few seconds to indicate that the first data reading operation has been successful.
3. When LED “1” goes out, turn off the control panel and remove the key.
4. Wait 10-20 seconds or until the immobilizer warning light starts flashing, if applicable.
5. Insert the key into the ignition switch again.
6. Turn on the vehicle control panel; LED “1” on SNOOP will go on and LED “2” will flash for a few seconds to indicate that the second reading operation has been successful. **(for ID49-1C/ID46 go directly to 11)**
7. When LED “1 and 2” goes out, turn off the control panel and remove the key.
8. 8. Wait 10-20 seconds or until the immobilizer warning light starts flashing, if applicable. **(only for ID48)**
9. Insert the key into the ignition switch again. **(only for ID48)**
10. Turn on the vehicle control panel; LED “1 and 2” on SNOOP” will flash for a few seconds to indicate that the third reading operation has been successful. Both LEDs will go out. **(only for ID48)**
11. SNOOP now has the necessary data to transmit to the device for a copy of the original key. Turning on the vehicle control panel again will put the SNOOP LEDs permanently ON, which indicates that all the necessary data has been downloaded.

12. Reinsert the SNOOP antenna into the cloning device to download data.

If you should encounter difficulties during the data acquisition procedure (LEDs do not light up) try to:

- Position the SNOOP antenna differently so that once the key is inserted into the ignition switch, it is further away or closer to the ignition switch itself.
- Wait 15-30 seconds between ignitions (in some cases it may be necessary to wait a couple of minutes).
- Close and open the vehicle doors with the central locking control.
- Start the engine for a few seconds.
- Quickly switch the instrument panel on and off about ten times without starting the engine

Note: In some vehicles, data are acquired by simply inserting the key into the ignition switch, which is indicated by the SNOOP LEDs lighting up. In these cases, simply inserting and removing the key twice from the ignition switch is sufficient.

7 MAINTENANCE

WARNING: When repairing or replacing parts for maintenance purposes, the 'CE' marking is only guaranteed if original spare parts supplied by the manufacturer are used. The device does not require any special maintenance.

WARNING: do not use compressed air

WARNING: do not under any circumstances open the device

7.1 TROUBLESHOOTING

Before contacting a Silca Service Centre, try the following solutions:

- **Device does not switch on**
  - If the battery is completely discharged, the device will not switch on. Fully charge the battery before switching on the device.
- **The device displays a network or service unavailable error message**
  - If you are in an area with weak signal or poor reception, the network may not be available. Move to another area and try again.
  - If the problem persists, try connecting to another Wi-Fi network with working Internet access..
  - If the problem is not resolved, contact a Silca Service Centre.
- **The device freezes**
  - If the device freezes and does not respond, press and hold the power on/off button for at least 5 seconds. RW5 will restart automatically.
- **The battery icon is empty**
  - The battery is empty. Charge the battery.
- **The battery is not charging properly (with original Silca battery charger)**
  - Make sure the battery charger is connected correctly..
  - Contact a Silca Service Centre to carry out the necessary checks.
- **The battery discharges rapidly**
  - If the device is exposed to very cold or very hot temperatures, its autonomy may decrease.
  - The battery is perishable and the charge capacity decreases over time.

8 DISPOSAL

For correct disposal please refer to current standards.

INFORMATION FOR USERS OF PROFESSIONAL EQUIPMENT

Pursuant to Article 24 of Legislative Decree No. 49 of 14 March 2014 , n. 49 Actuation of Directive 2012/19/EU regarding Waste Electrical and Electronic Equipment (WEEE)"

The symbol of a crossed waste bin found on equipment or its packing indicates that at the end of the product's useful life it must be collected separately from other waste so that it can be properly treated and recycled.
In particular, separate collection of this professional equipment when no longer in use is organised and managed:

a) directly by the user when the equipment was placed on the market before 31 December 2010 and the user personally decides to eliminate it without replacing it with new equivalent equipment designed for the same use;

b) by the manufacturer, that is to say the subject which was the first to introduce and market new equipment that replaces previous equipment, when the user decides to eliminate equipment placed on the market before 31 December 2010 at the end of its useful life and replace it with an equivalent product designed for the same use. In this latter case the user may ask the manufacturer to collect the existing equipment;

c) by the manufacturer, that is to say the subject which was the first to introduce and market new equipment that replaces previous equipment, if it was placed on the market after 31 December 2010;

With reference to portable batteries/accumulators, when such products are no longer in use the user shall take them to suitable authorised waste treatment facilities.

Suitable separate collection for the purpose of forwarding discarded equipment and batteries/accumulators for recycling, treatment or disposal in an environmentally friendly way helps to avoid possible negative effects on the environment and human health and encourages re-use and/or recycling of the materials making up the equipment.

To remove batteries/accumulators, consult the manufacturer's specific instructions: (see relevant chapter in the users' manual)

The sanctions currently provided for by law shall apply to users who dispose of equipment, batteries and accumulators in unauthorised ways.

9 ASSISTANCE

Silca S.p.A. provides full assistance to purchasers of the RW5 device. To ensure complete safety for the operator, any job not specified in this manual should be carried out by the manufacturer or in the special Service Centers recommended by Silca.
At the end of the manual there is a list of authorized Service Centre addresses; if the manual was downloaded is necessary visit the website to see the contacts (www.silca.biz).

Silca S.p.A. undertakes to make consumables, optional items and spare parts available for the limited time defined in its product obsolescence policy.

* Particular damage due to negligence or incorrect use of the device by the user will void the warranty.

9.1 HOW TO REQUEST SERVICE

Silca S.p.A. guarantees free repair or replacement of defective parts within 24 months of purchase, excluding damage caused by improper use by the consumer. Work not covered by the warranty must be agreed by the user with Silca S.p.A. or its Service Centres.