



SOFTWARE OPERATING GUIDE

FUTURA EDGE



vers. 3

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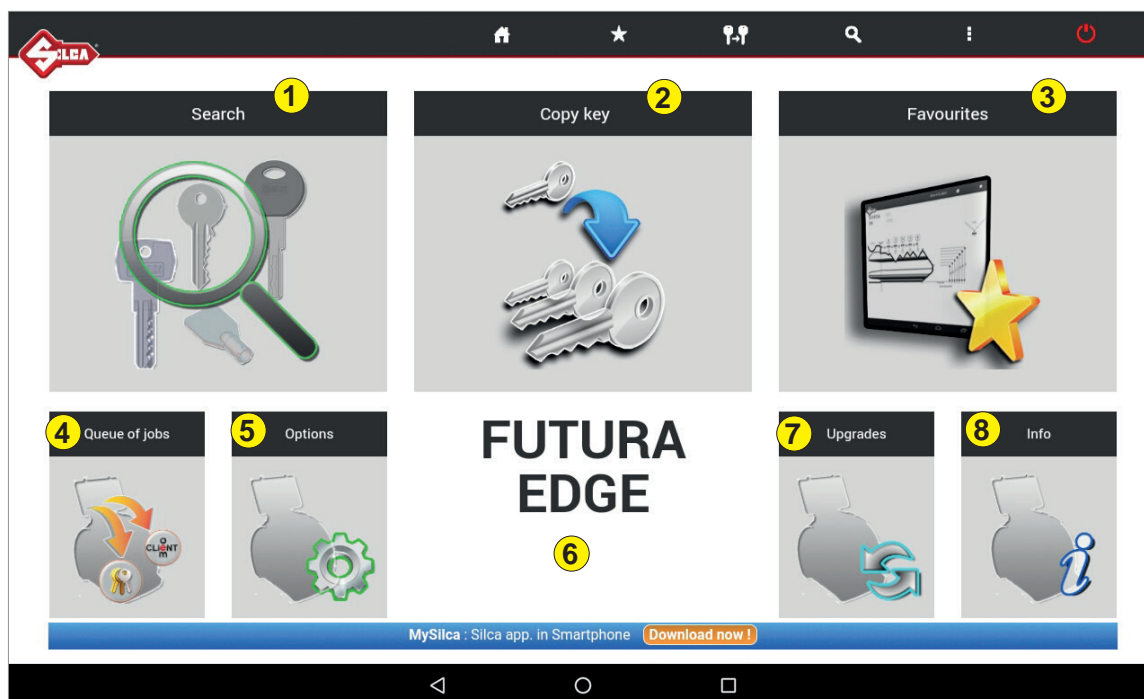
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• PROGRAM START



To start the program tap the icon  on the Tablet screen.

If the program does not start check the network settings/use (see Ch.5.3.3).



1- Search

Menu used to select a category of Series Searches.

5 - Options

Menu used to set up the machine.

2 - Copy key

This menu is used to make a copy of a key with standard cuts (cylinder or car keys).

6 - Machine name

The name of the machine model being used is shown.

3 - Favourites

Menu used to access a series of searches previously set up as favourites.

7 - Upgrades

Menu used to update machine software.

4 - Queue of jobs

Menu used to run the job queue previously created by the search menu.

8 - Info

Menu showing machine details.

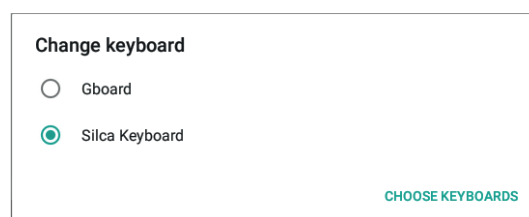
Silca-Futura_bbe3	Machine ID: shows the name of the FUTURA EDGE machine.
	Initial menu: tap the symbol to go back to the initial menu.
	Favourites: tap the symbol to view the data cards/series saved in the favorites menu.
	Copy by Original: tap the symbol for direct access to the "Copy by Original" menu.
	Search menu: tap the symbol for direct access to the "Search" menu.
	Information: tap the symbol to view information about the FUTURA EDGE machine
	Turn off machine: tap the symbol to turn off the FUTURA EDGE machine without affecting the software; wait until the green light goes out and then turn off the machine with the ON/Emergency push button.

• CHOICE OF KEYBOARD

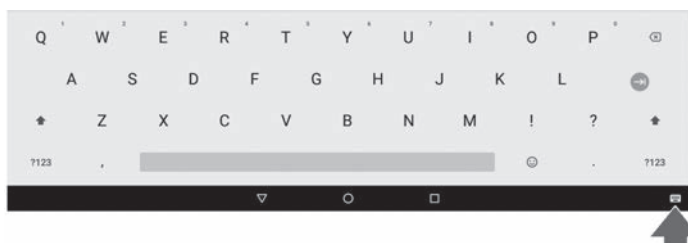
When the FUTURA program is started you are required to choose the type of keyboard you will use for entering data.

SILCA Keyboard: smaller keyboard specially designed for the FUTURA program.

Gboard Keyboard: standard Android Tablet keyboard.

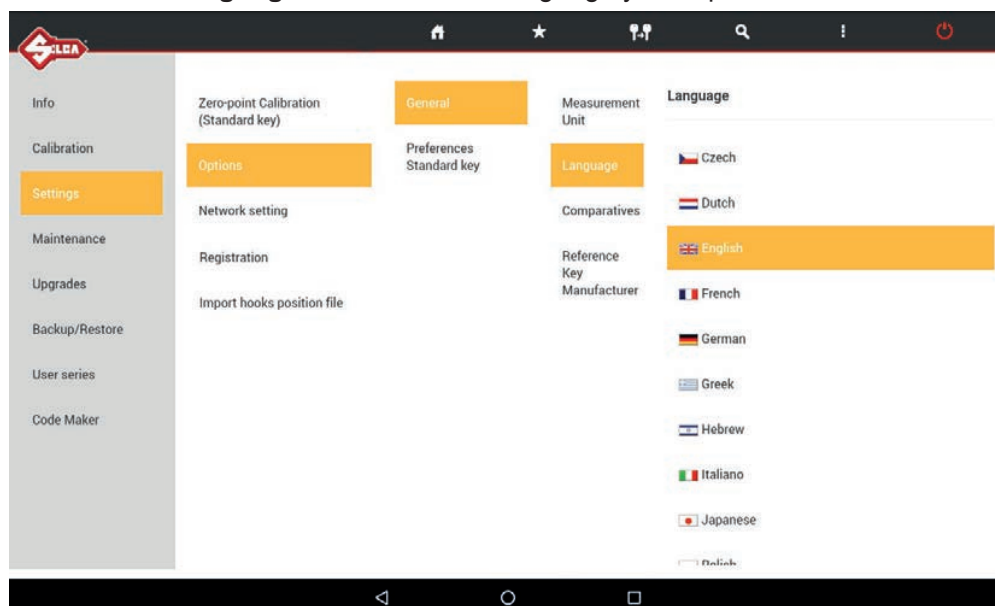


If you have chosen the Silca keyboard you can go back to Android by hitting the key on the Silca keyboard.



• CHANGE PROGRAM LANGUAGE

The default program language is English. To change language go to the **Options** menu (Ch.5), select **Settings** -> **Options** -> **General** -> **Language** and choose the language you require.



• MEASURING UNITS

All the values given in the program for the technical measurements of keys and clamps are expressed in hundredths of a millimetre (default) or thousandths of an inch, according to the measuring unit chosen from the "Options" menu.

• DROP-DOWN MENU



To view this menu on the Tablet scroll from left to right to open the list:

Connect to: used to find the Futura Edge machine, if there is a Wi-Fi CONNECTION or DIRECT CONNECTION.

Reload page: used to reload the page if it is not properly viewed/activated.

Restart Machine: used to restart the machine.

Machine IP address: used to enter the Futura Edge IP address manually (default is 192.168.0.1).

Reset Axes: used to clear the axes on the machine.

Machine Status: used to see connection status between the machine and Tablet.

Change Keyboard: used to select and set the type of keyboard to be used (Silca or Gboard)

Machine Registration: used to register the machine when the Tablet is connected to a Wi-Fi network with internet access.

Update FUTURA: used to download new updates for the machine:

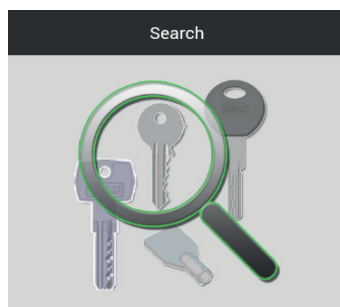
- by tablet connected to a Wi-Fi network with access to the internet (Ch.6.3.1).
- by USB PEN DRIVE and PC with access to the internet (Ch.6.3.2).

Recovery tools: this function is protected by a password and is for the exclusive use of Silca personnel.

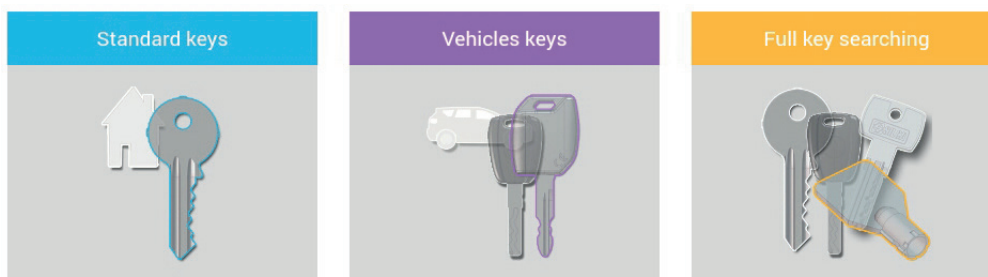
Tethering: see Chapter 5.3.3.c.

In addition, the Silca App version installed on the Tablet is shown below.

1 SEARCHES



When the Searches menu is opened, the following window appears:



1.1 STANDARD keys

Menu used to make a search restricted to the category flat keys only (e.g.: CS207 - YA31 - UL050 ...).

1.2 VEHICLE keys

This menu is used to restrict a search to the category of standard edge cut vehicle keys only (e.g.: GT15R - YM28T2 ...)

1.3 FULL KEY SEARCHING

This menu is used to make extended searches not restricted to categories.

See example of STANDARD keys search flow:

When you enter the STANDARD keys category the following window appears for you to enter the search parameters.

SEARCH Parameters

Code: enter the indirect key-cutting code.

Card / Sn: enter the card number or serial number assigned by Silca.



Instacode icon: it's possible to search for a card into Instacode program. This function is enabled in some versions. For all others it can be requested as optional.

Key blanks: enter the Silca/Ilco key blank code or comparative.

Key manufacturer: enter name of key manufacturer.


Cuts: enter number of cuts for the key to be included in the search.

Lock Manufacturer: enter the brand of lock to be included in the search.

Lock system: enter the name of the lock system.

Press “**Clear**” to delete the entered fields.

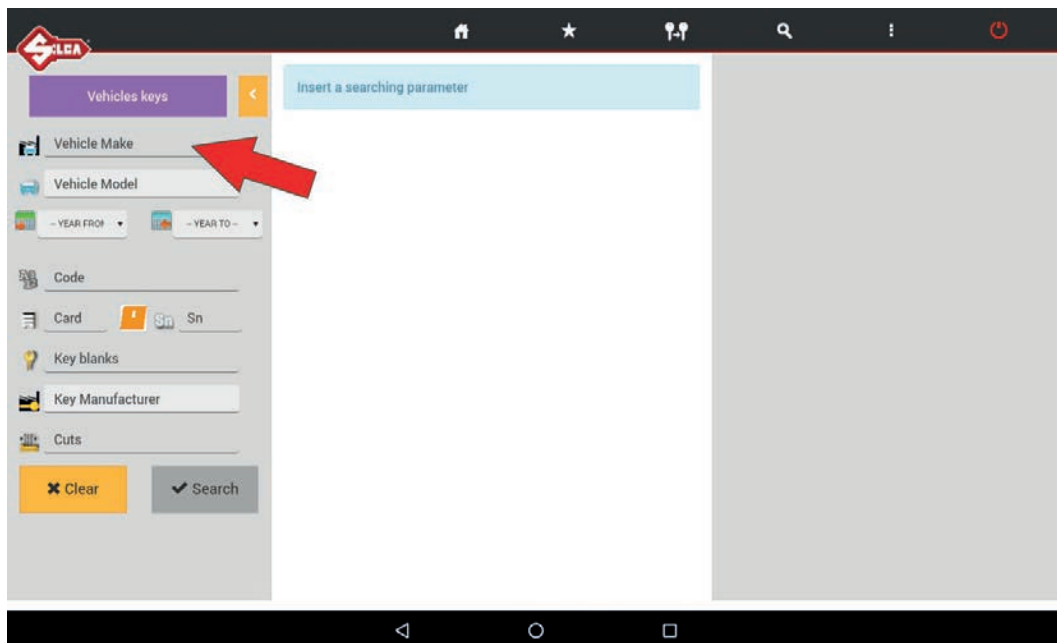
After entering one or more parameters, tap the “**Search**” button to start the search. This operation will show the data relating to the lock systems found and information about the Silca/Ilco key blank, if applicable.

Tap  on the left-hand side of the page to re-open the Search Parameters window.

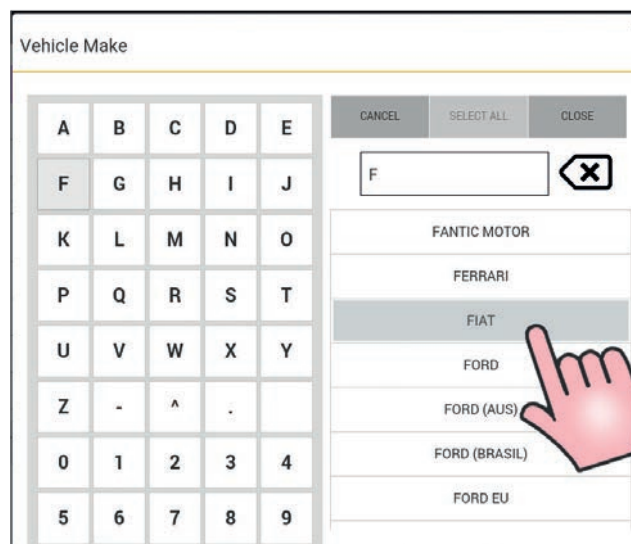
See example of VEHICLE keys search flow:

When you enter the VEHICLE keys category the following window appears for you to enter the search parameters.

Tap “VEHICLE MAKE”; a guided procedure appears to simplify your search.



Enter the first letters of the MAKE and select the one you require.



Enter the first letters of the VEHICLE MODEL and select the one you require.

Vehicle Make : FIAT - Vehicle Model

A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	S	T
U	V	W	X	Y
Z	-	^	.	
0	1	2	3	4
5	6	7	8	9

CANCEL SELECT ALL CLOSE

P

PALIO

PALIO (S.AMERICA)

PANDA

PANDA 30 CL

PANDA 30 L

PANDA 30 S

PANDA 30-34-45

Select the YEAR.

FIAT - PANDA - Year from - Year to

CANCEL SELECT ALL CLOSE

1986-1988

1989-1994

1995-2002

1995-2016

Select the CARD key to access the cutting data card.

SILCA

INFORMATION APPLICATIONS CARD

Favourite	Sn	Lock/System	Profile	Series	Card	Type	N° of cuts
☆	6773	85/30-40	123456	326	N	5;
☆	6775		123456	327	N	5;
☆	7281		BC...	1-6032	391	I	5;
☆	7282		BD...	1-6032	391	I	5;
☆	7283		BA...	1-6032	391	I	5;
☆	7284		BB...	1-6032	391	I	5;

Previous 1 2 3 ... 7 Next

Key blanks

AB2

Key Manufacturer

SILCA

Stem length

1970

Unob position

CARD

Cylinders

CYLINDERS (VARIOUS MAKES)

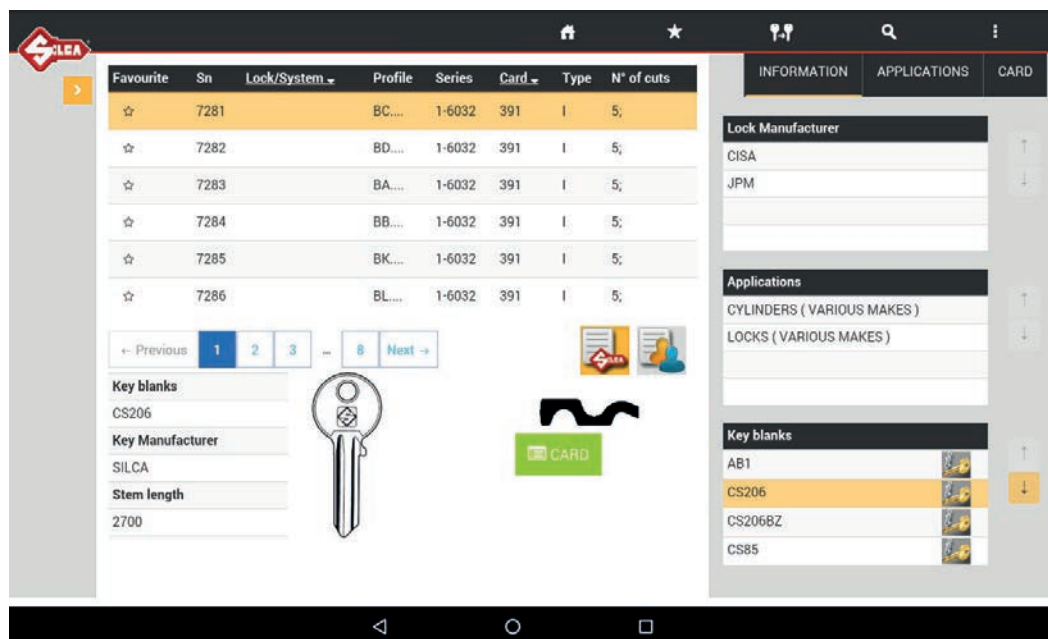
Various Models	
	CS21
	AB3R
	AB2
	AB3
	CS6
	AB2R
	CS7
	CS7R

Padlocks

LOCKS (VARIOUS MAKES)

Various Models	
	CS21
	CS7
	CS7R
	CS6

1.4 DATA CARD/SERIE info





To access the cutting card select the relevant line and tap the “OPEN CUTTING CARD” button.

In the section of the window showing the search results

Favourite	Sn	Lock/System	Profile	Series	Card	Type	N° of cuts
-----------	----	-------------	---------	--------	------	------	------------

- Order searches by tapping the arrow next to the relative fields.
- Select a series from those shown, or search for it on the next pages:

← Previous	1	2	3	...	7	Next →
------------	---	---	---	-----	---	--------
- Select the “Silca” or “User” series:
 -  “Silca” is the default icon for viewing Silca series.
 -  tap “User” to view the existing user series (Ch.8) associated to the selected card.
- Tap the special field to enter the Hook position: it is automatically saved when the keyboard is turned off.

There are “3 folders” on the right of the screen:

INFORMATION: shows information about the lock make, applications and Silca/Iico key blank. Info about a key can be viewed by tapping the field relating to the key blank.

APPLICATIONS: shows the applications for which this key blank is used: locks, cylinders, vehicle model, etc.

INFORMATION	APPLICATIONS	CARD
Cylinders		
CYLINDERS (VARIOUS MAKES)		
Various Models	CS21	
	AB3R	

CARD: shows information relating to cutter and clamp needed for cutting keys with the Futura Edge key-cutting machine.

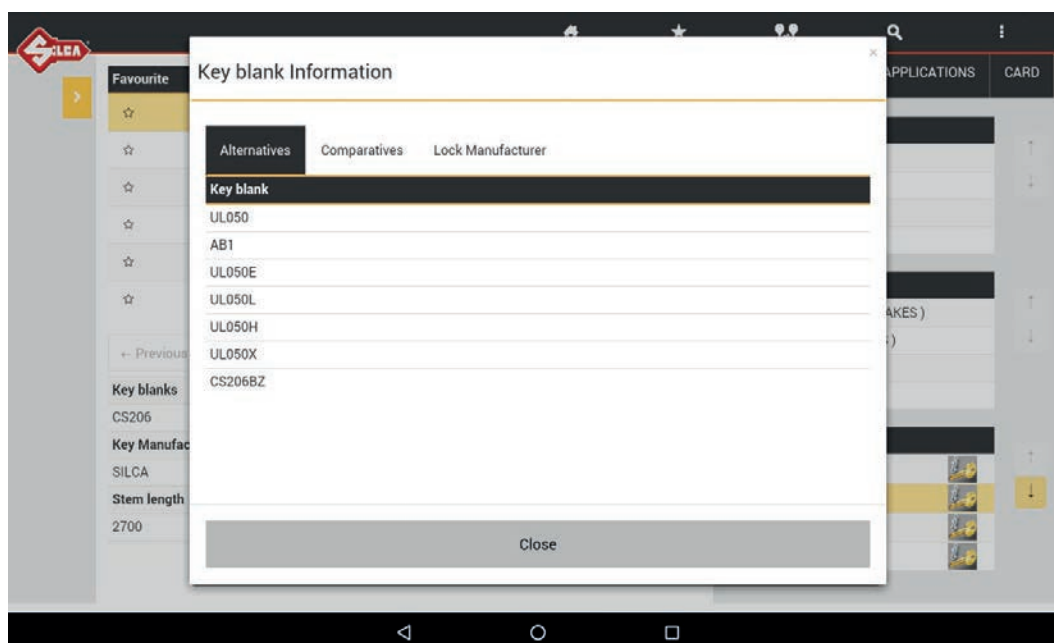
INFORMATION	APPLICATIONS	CARD
Clamp		
1	01V	D942846ZR
Adapter		
1	-	-

KEY BLANK

To gain access to additional information regarding the Silca key blank simply tap on the following icon

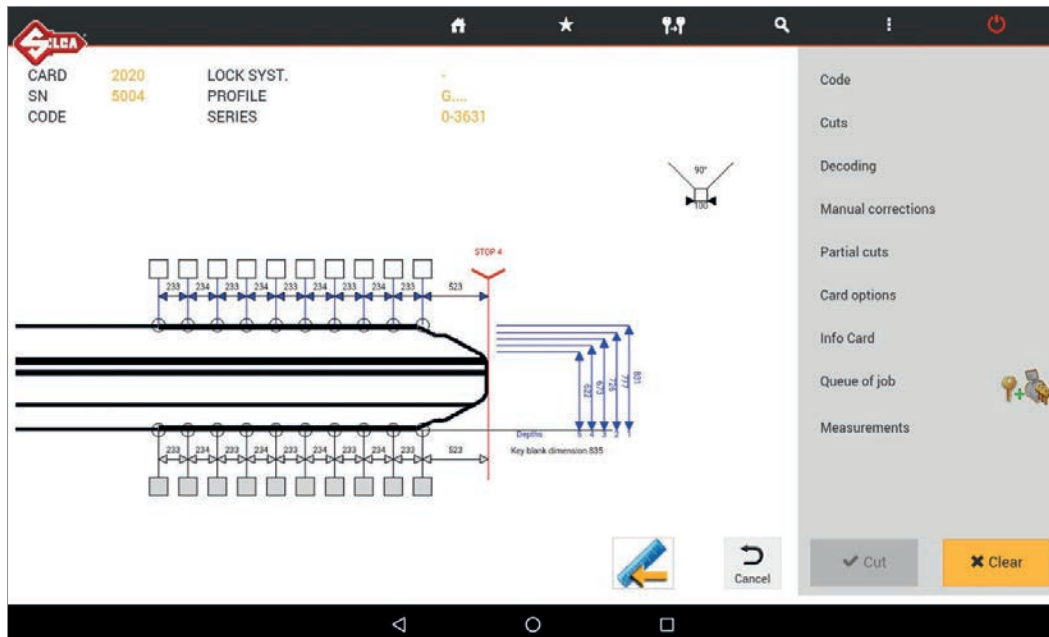


- List of other Silca key blanks that can be used
- List of comparative key blanks
- List of Brand names linked to the Silca key blank.





1.5 Using a CUTTING DATA CARD

Example:



The screen shows all the technical details relating to the selected cutting card (e.g. **Card, SN, Profile, Series, Spaces, Depth, Cutting angle**).

Tap the  Cancel key to go back to the previous screen.

Tap  to edit the way to view depths on the card:

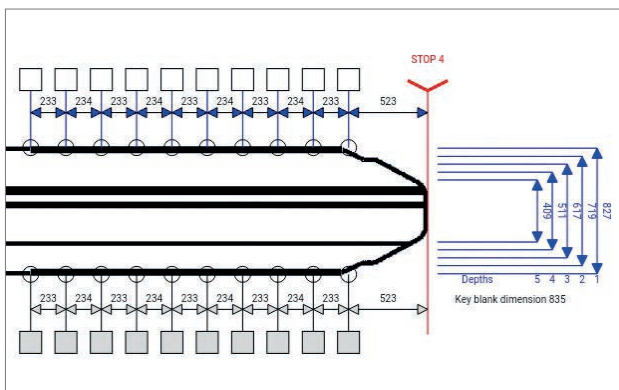


Fig. 1

Depths referring to the “key axis”

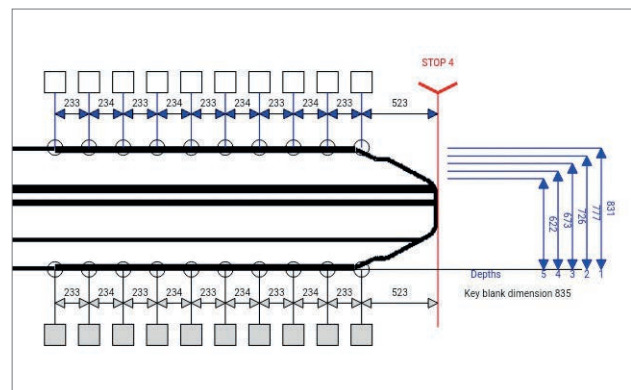


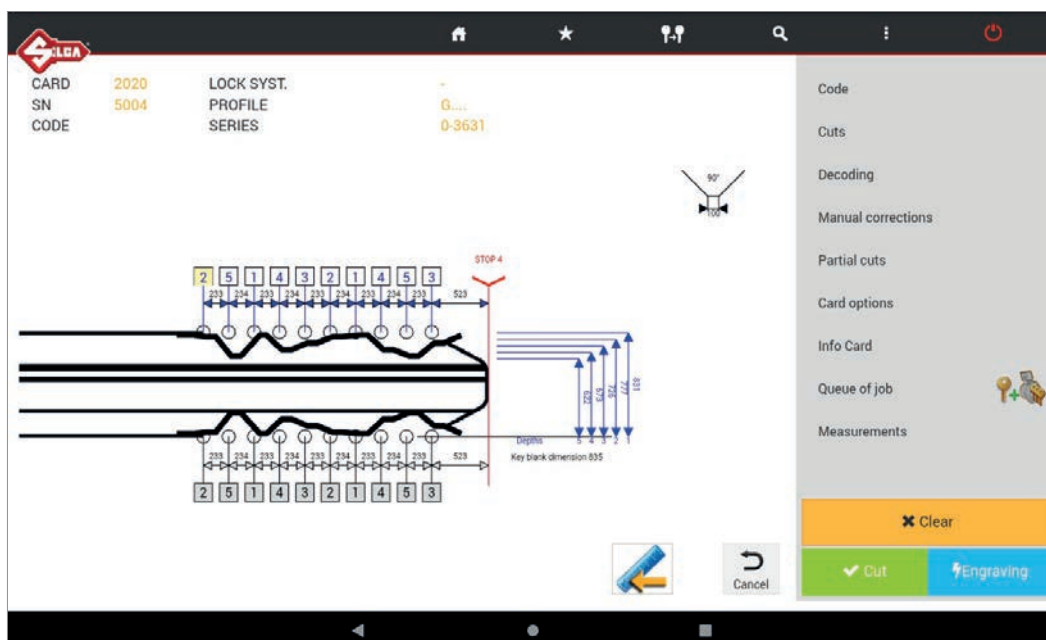
Fig. 2


**Depths referring to “key back”
(i.e. the plate/bottom of the clamp)**

Note: this function is only available for two sided symmetrical keys (standard and vehicles).

The list on the right contains the functions listed below:

- **CODE:** enter the indirect code for cutting the key.
- **CUTS:** this function is used to enter direct cuts.



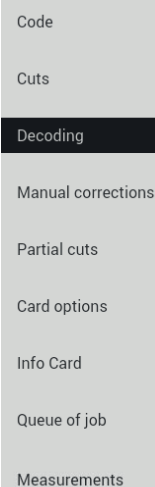
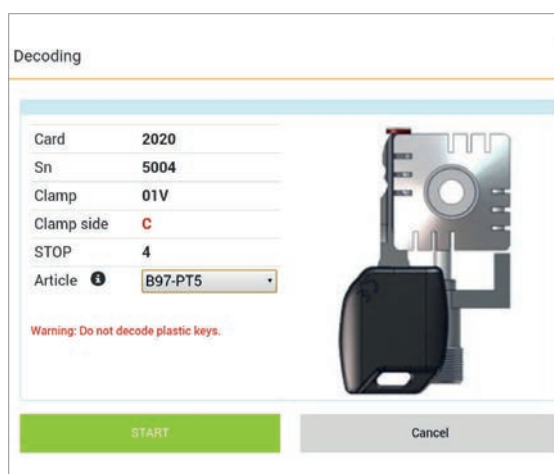
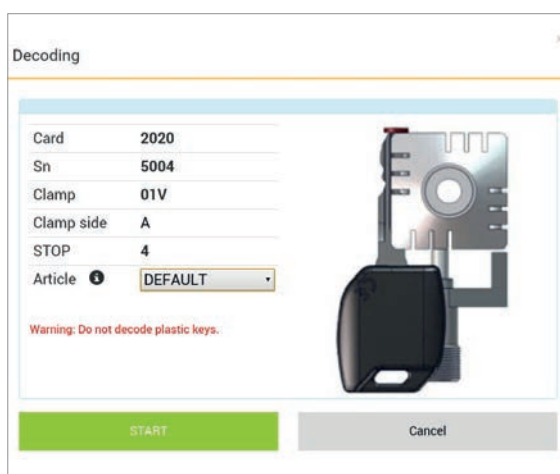
- **QUEUE OF JOB:** If the cut is filled and correct you can save your job in "Queue of Job" by tapping the following icon  (the job can then be done afterwards).

Tap on "Queue of Job" to display the list of jobs available.

- **DECODING:** used to decode the cuts on the original key.

ATTENTION: make sure the key to be decoded is clean.

Tap "Decoding": information appears regarding the position of the key in the clamp.



SELECT ARTICLE: to solve installation difficulties encountered with symmetrical vehicle keys on side A or B of the standard clamp, the user may select the key blank before decoding the key. In this way the machine will indicate the best side of the clamp (C or D) on which to fit the key and can run the decoding operation successfully.

To continue tap START and perform the operations described on the screen. At the end of the operation tap OK.

To view the decoded measurements and the measurements read on the key, tap “Decoded Values” on the bottom of the screen.

Decoded data 391

Axis: 1

N.	Symbol	Nominal value	Depth	Offset
1	2	705	713	-8
2	5	510	513	-3
3	4	575	578	-3
4	3	640	645	-5
5	4	575	584	-9

☐ Copy key with measurements read

Close

Then tap “CUT” to cut the key using the combination provided by the previous operation.

Copy key with measurements read: after decoding a key the cuts can be verified and compared to the keys original cuts. If the cuts “Offset” values are significant, it’s possible to cut the key by using the measurements just read (not the keys original cuts nominal values that are in the card) by inserting a check “flag” in the appropriate box.

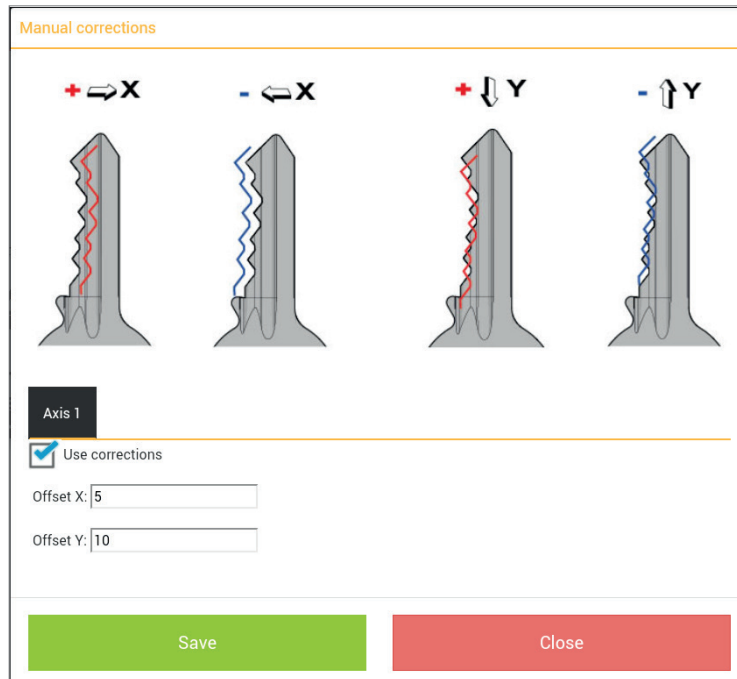
NOTE: when decoding standard keys, you must use the clamp side designated by the software as well as the stop position designated in order to decode the key properly. Use of other clamp positions or stop positions will result in a misread key. Once decoded, should you receive the message “key blank not allowed” or “bad permutation”, the key may not have been positioned properly. As a result the software will not recognize the key blank or the depths read will not correspond with any of the codes in the code series database. If you are sure that the proper card and key blank were used, reposition your key and try again.

- **MANUAL CORRECTIONS:** to enter manual adjustments in the relative fields for X axis and Y axis, activate the “Use corrections” flag, tap “Save” and then “Close”.





Adjustments: from -30 to +30 hundredths of mm (+/- 118 thousandths of an inch)

Close the window after it has shown an OK message.

An icon Manual corrections  indicates when the manual adjustment is active.



Manual corrections

Axis 1

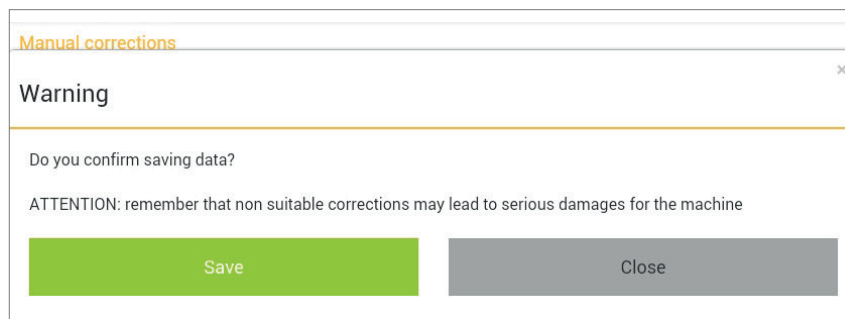
☒ Use corrections

Offset X:

Offset Y:

Save Close

Code
Cuts
Decoding
Manual corrections
Partial cuts
Card options
Info Card
Queue of job
Measurements



Manual corrections

Warning

Do you confirm saving data?

ATTENTION: remember that non suitable corrections may lead to serious damages for the machine

Save Close

Confirm with “Save”.

- **PARTIAL CUTS:** used to make a search for correspondence with the code table (if applicable): enter the known cuts and tap “Search”.

Partial Cuts

Symbols: 1 2 3 4 5 6 7 -

Axis	Permutation
1	5 2 3

Search

Code	Quantity	Axis 1
BC782	1	5; 2; 3; 1; 1
BC783	1	5; 2; 3; 1; 2
BC784	1	5; 2; 3; 1; 3
BC785	1	5; 2; 3; 1; 4

Ok Cutting Tree

Code
Cuts
Decoding
Manual corrections
Partial cuts
Card options
Info Card
Queue of job
Measurements

Cutting tree: function accessible only from “Partial cuts” and enabled only for Data cards/Series with code tables available. Tap the “Cutting Tree” key to continue.

Cutting Tree

N° key blanks required: **4**
Codes selected: **Key n° 1**

Code	Cuts
Key n° 1	
BC782	52311
BC783	52312
BC784	52313
BC785	52314
BC789	52324
BC790	52325
BC795	52335
BC796	52336
BC802	52346
BC803	52347
BC853	52357
BC858	52367
Key n° 2	
BC786	52321

Queue Close

- The list of keys shown in the cutting tree coincides with the list of keys shown in the “Partial cuts” window; however, here the keys are listed according to Groups, Code and Cuts in order to reduce to a minimum the number of key blanks to be used.
- The box at the top of the screen shows the maximum number of key blanks to be used for all the possible cut combinations listed.
- Each Group needs a new key blank to cover all the cut combinations it lists (work down from top). Select the group and/or single code and tap the QUEUE key to place them in the job queue.
- Tap Close, OK, and then Queue of Job.
- The jobs must be carried out in progressive order, starting from the key with the shallowest cuts to those with deeper cuts.

• CARD OPTIONS

Card options

Axis 1

Cut Type: M_NORMALE_FLAT_LFD

Cutter: 01F

Clamp: 01V

Key blank dimension: 840

Ok

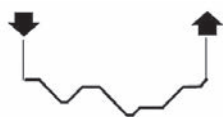
Code
Cuts
Decoding
Manual corrections
Partial cuts
Card options
Info Card
Queue of job
Measurements

Cut type: alternative cutting methods can be chosen from Flat, Track, Normal, Normal Easy;



NORMAL (M_NORMALE_FLAT_LFD)

For conventional car and door keys.



FLAT (M_PIANO_FLAT_LFD)

Mainly used for car keys where the cut edges are rounded to facilitate the movement of the blades when the key is put into the lock.



LASER (M_LASER_FLAT_LFD)

Conjunction of the cutting angles is determined automatically by the machine, allowing cuts to be made with variable angles; this facilitates the smooth entry of the key into the lock, prolonging the working life of the key.



NORMAL EASY (M_EASY_FLAT_LFD)

Concerns traditional automotive and door lock keys, the edges of the cuts are removed (when possible) by a defined value of around 30 hundredths of a millimeter. Likewise even for the keys tip.

Key blank dimension: used with the “Use any clamp” function.

With keys that have SYMMETRIC CUTS the following window would appear:

Card options

Axis 1

Cut Type	M_LASER_FLAT_LFD
Cutter	01F
Clamp	01V
Key blank dimension	810

Ok

Code

Cuts

Decoding

Manual corrections

Partial cuts

Card options

Info Card

Queue of job

Measurements

- **INFO CARD:** views information about the clamp, side and stop to be used, cutter and key blank.

Tap the relevant icons ⓘ to see images and part code.

Card Info

Cutter	01F	ⓘ
Key blank	CS206	ⓘ
Clamp	01V	ⓘ
Clamp side	B	
STOP	0	

Ok

Clamp: 01V
Part number: D942846ZR

Queue of job

Measurements

Cancel

✓ Cut

✗ Clear

Code

Cuts

Decoding

Manual corrections

Partial cuts

Card options

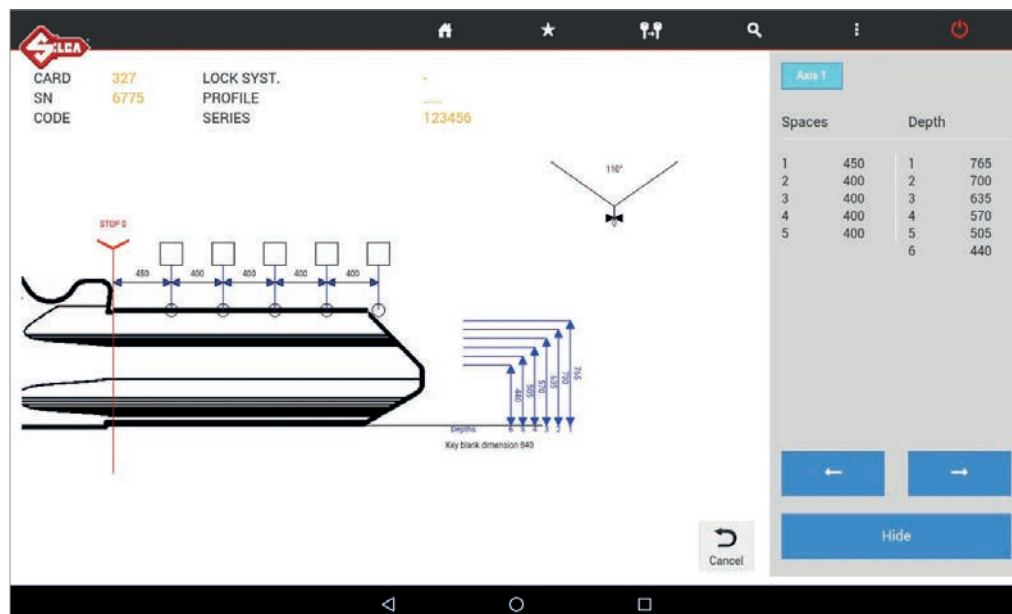
Info Card

Queue of job

Measurements

- **[Note]:** tap "Note" (when shown) to view data card notes, i.e. further specific information relating to the position of the key or an accessory, etc.

- **MEASUREMENTS:** view information regarding the measurements of SPACES and DEPTH on the card.



Code

Cuts

Decoding

Manual corrections

Partial cuts

Card options

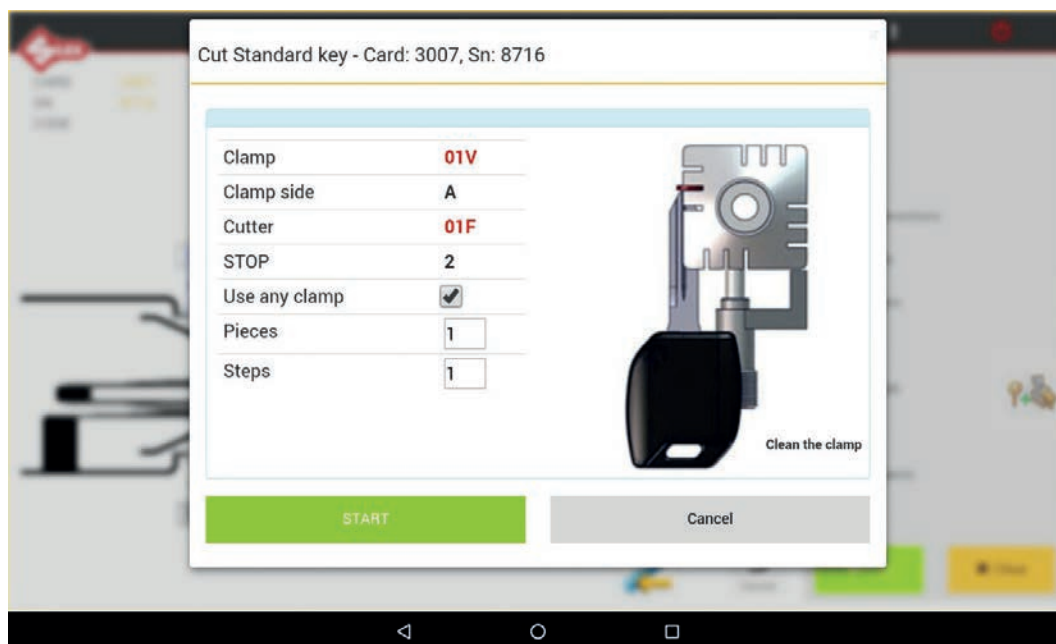
Info Card

Queue of job

Measurements

1.6 CUTTING STANDARD flat keys (cylinder and vehicle)

To make a cut on the key, tap CUT  : information is shown about the position of the key in the clamp.



The following can be set:

Use any clamp: if this function is enabled the key to be cut can be positioned on a clamp side different from default. The function is used to acquire the measurement of the key blank (stem width) in order to adapt cuts to the key blank being used. It is applied automatically only to keys with double symmetrical sides.

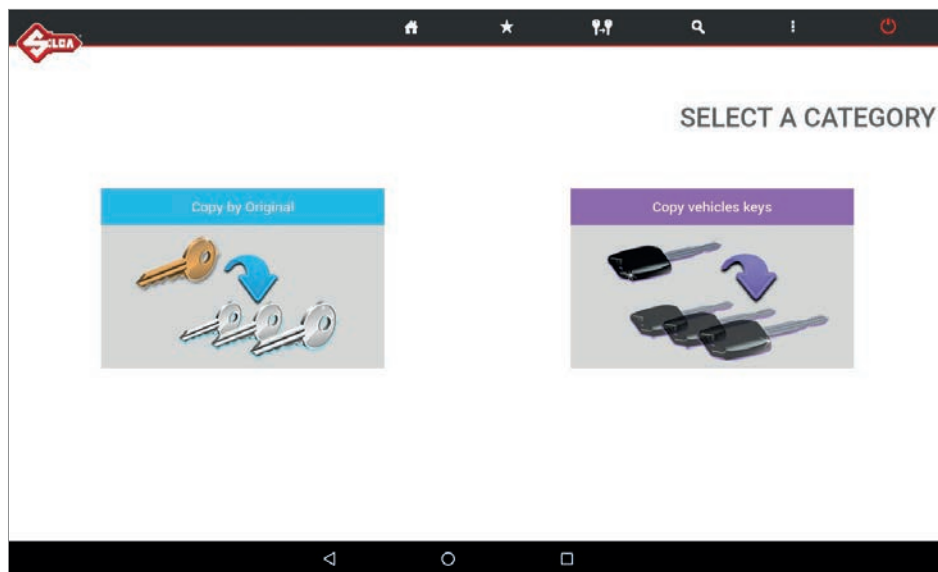
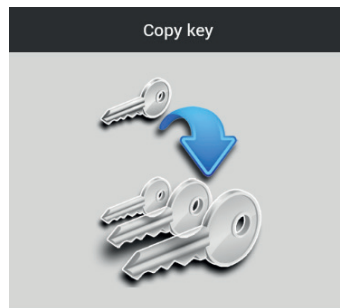
ATTENTION: option valid for CUTTING only (NOT DECODING).

NOTE: activating the “Use any clamp” allows the user to clamp the key in any jaw position (i.e. clamping the keys profile on side C or D) when cutting a key by code. Regardless of the jaw position used, the stop position designated by the software must be used. This function is only available when cutting two symmetrical sided standard keys. When this function is enabled cuts cannot be repeated on a key already cut.

Pieces: indicates how many keys you wish to cut.

Steps: used to edit the default number of passes during key cutting (max +2). The value is memorised once it has been edited.

2 COPY KEY



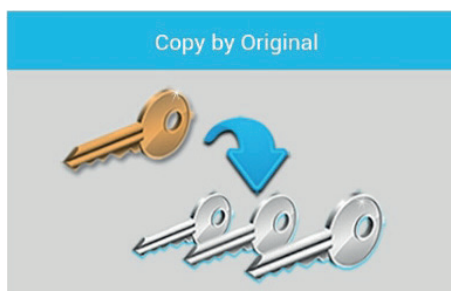
COPY BY ORIGINAL

This function is used to copy keys with standard cuts, using a laser reader as an optic reader device.

COPY VEHICLES KEYS

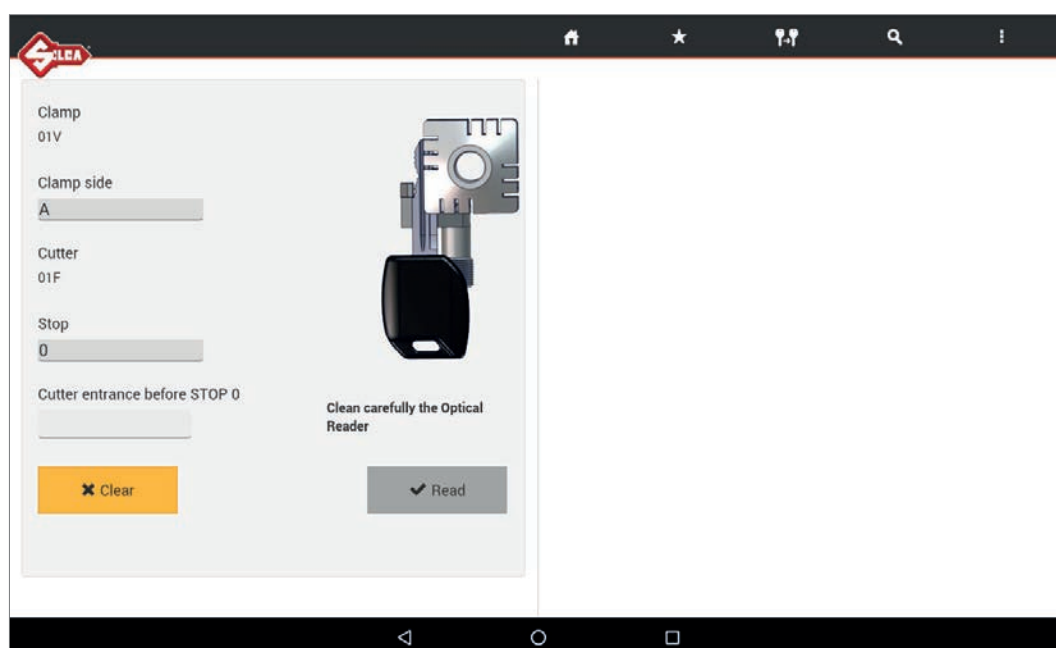
This function is used to copy vehicle keys with standard cuts, by means of facilitated searching.

2.1 COPY BY ORIGINAL



This operation can be used only for the types of keys cut on clamp 01V.

The “Copy” procedure is divided into two steps: first load the original key to be read into the clamp 01V, once the key has been read, remove the original and load the key blank to be cut.

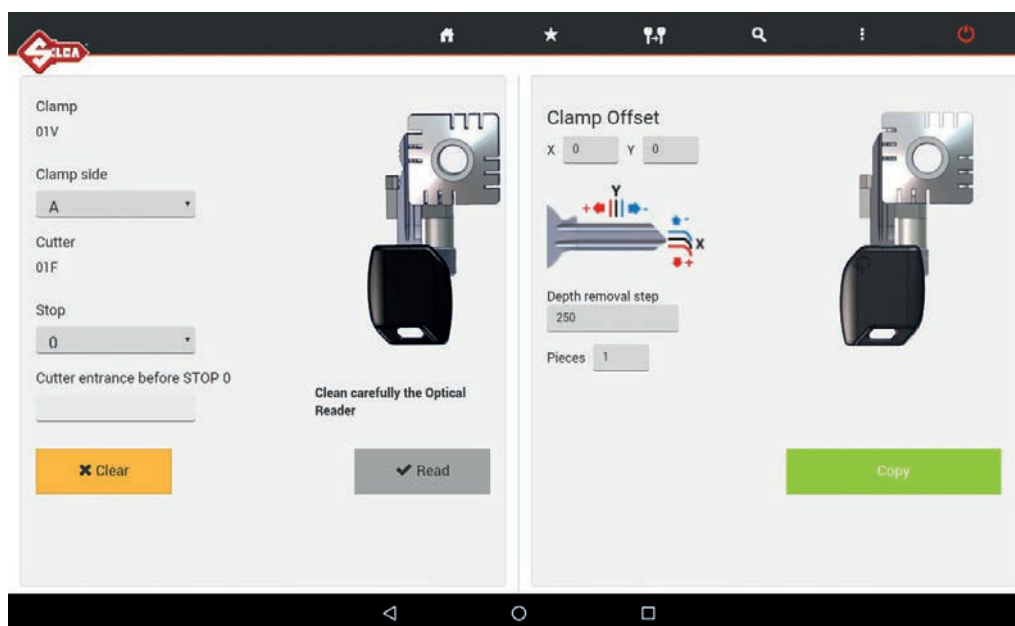


In the Left-hand Part of the screen:

- Select the clamp side (A-B-C-D) to be used for reading and cutting the key.
- Select the type of Stop involved (0-1-2-3-4)
 - in the case of Stop 0 the gauge is used to align the key stop
 - with Stops (1-2-3-4) a bar is used to align the stop with the key tip.
- The Distance field is used when the stop selected is 1-2-3-4 and there is an indication of the point at which the optic reader will start reading the original key. Normally this point equals Stop 0 which refers to the position of the gauge/key stop.
Range [0 / -400 hundredths of mm] => insert only NEGATIVE value.

NOTE: *clean the optic reader carefully with the brush provided before starting the “Copy by Original” procedure.*

When the key has been read, the following can be set:



Manual adjustments

Manual adjustments can be made to Y and X only if strictly necessary.

Positive value of Y: move cut closer to stop.

Negative value of Y: move cut away from stop.

Positive value of X: lower the cut.

Negative value of X: raise the cut.

Adjustments admitted: -30 to +30 hundredths of a millimetre. Press "Save" to confirm.

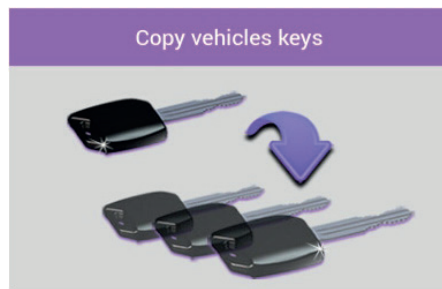
Pieces: indicates how many keys will be cut.

Remove the key just read from the clamp and load the key blank to be cut, positioning with the same Stop and Clamp Side used during the reading process.

Tap "Copy" to start key cutting.

NOTE: the Copy by Original function will cut the key exactly as read if no manual adjustments are made. If you are copying a worn key and do not make manual adjustments, the cut key will be an exact duplicate of the original worn key. To copy a worn key back to OEM specifications you should use the "Search" function to identify the card or code series used for the original key. Once the proper card is opened, select "Decoding" on the right side of the card menu. This will measure the cuts based on the depth data used by the OEM and the software will make adjustments to the depths measured and cut the duplicate key back to OEM specifications.

2.2 COPY VEHICLES KEYS



Searches are made by MAKE -> MODEL -> YEAR

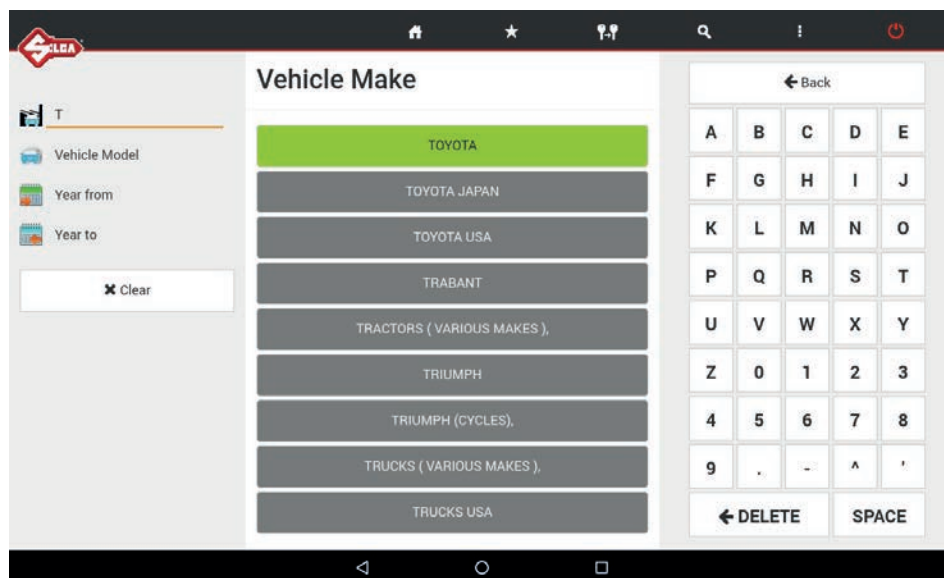
In that order:

- after confirming the “Make”, the “Model” field activates;
- after confirming the “Model”, the “Year” field activates.

The search has a filter to speed up results (digit the initial letter of the make or model).

When a field is highlighted in green it means at least one of the keys included has an associated hook position (see Ch.5.3.5).

Example: TOYOTA -> YARIS -> 2011



Vehicle Model

YARIS

YARIS IA

Year from - Year to

1999 - 2005

2005 - 2011

2007 - 2011

2011 - 2014

2012 - 2014

2015 - 2018

Select Key Blank to be used

TOY43ATE

TOY43CRS7N

TOY47TE

TOY43ATE

Hook position

Note

User notes

Press **Read** to begin process

When the READ key has been hit, the sequence of operations is shown, with a drawing of the clamp and side to use, and the Stop in use for the key in question. Tap START to continue.

Reading Original Key

Clamp	01V
Clamp side	C
STOP	4

Step by step guide

1. Open cover

2. Carefully clean the clamp surface and the optical reader

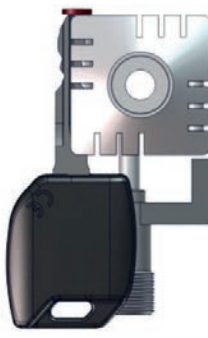
3. Rotate clamp to side C

4. Install tip stop tool in the right position

5. Clamp original key with tip of key against Tip Stop Tool

6. Remove Tip Stop Tool

7. Lower the cover and press 'START'



START

CANCEL

Cutting Key

Clamp	01V
Clamp side	C
STOP	4
Pieces	1

Step by step guide

1. Open cover

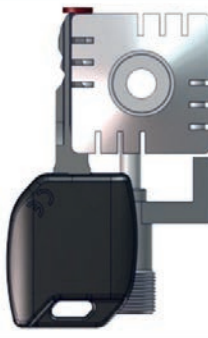
2. Remove customer key

3. Install tip stop tool in the right position

4. Clamp key blank with tip of key against Tip Stop Tool

5. Remove Tip Stop Tool

6. Lower the cover and press 'START'



START

CANCEL

Copy key

Copy key

Cutting completed

Steps to cut the same key again

1. Open cover

2. Remove customer key

3. Install tip stop tool in the right position

4. Clamp key blank with tip of key against Tip Stop Tool

5. Remove Tip Stop Tool

6. Close cover

7. Copy completed.

Press Repeat to cut more copies or side 2

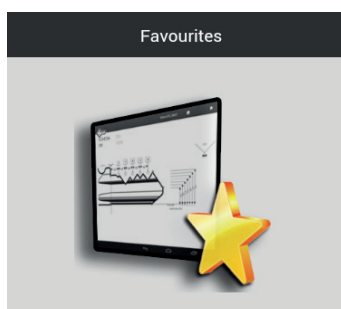
Close

Repeat

28 - SW

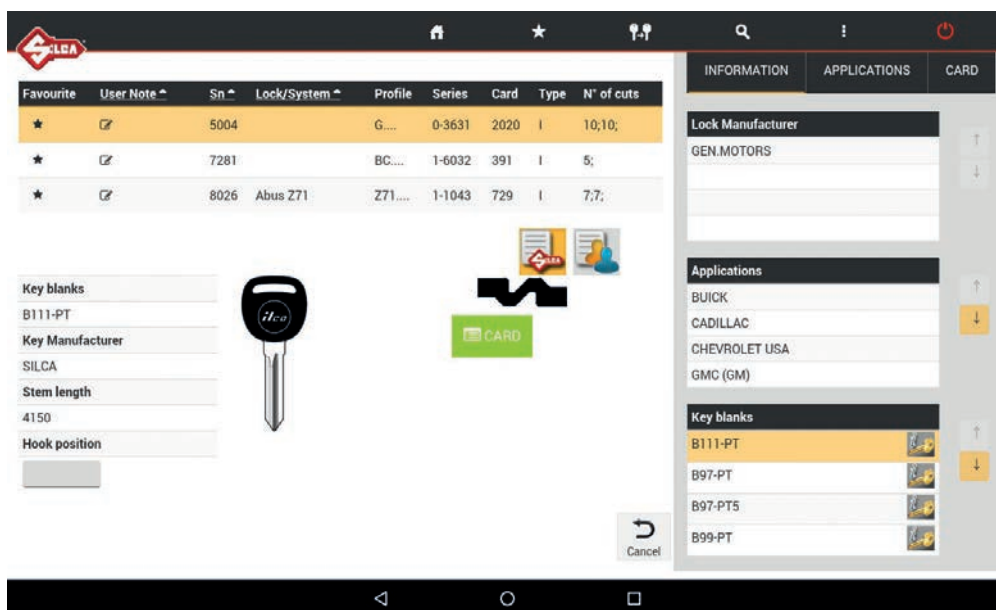
Copyright Silca 2022

3 FAVORITE'S

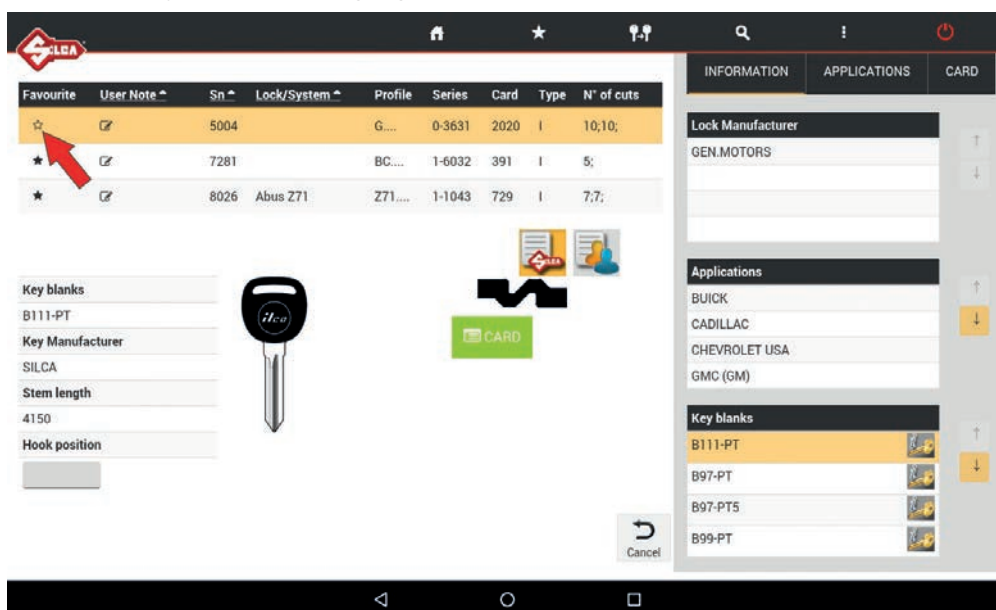


The FAVORITES menu contains the data cards that have been selected in the Search menu (Standard keys, Vehicle keys). Saving data cards to the favorites menu will eliminate the time spent searching for frequently used cards.

For each data card a description can be written in the special field in the “User Note” column.



To select data cards to be included in the Favorite's menu tap the star symbol ☆ in the first left-hand column of the Search menu; the symbol will be highlighted in black.

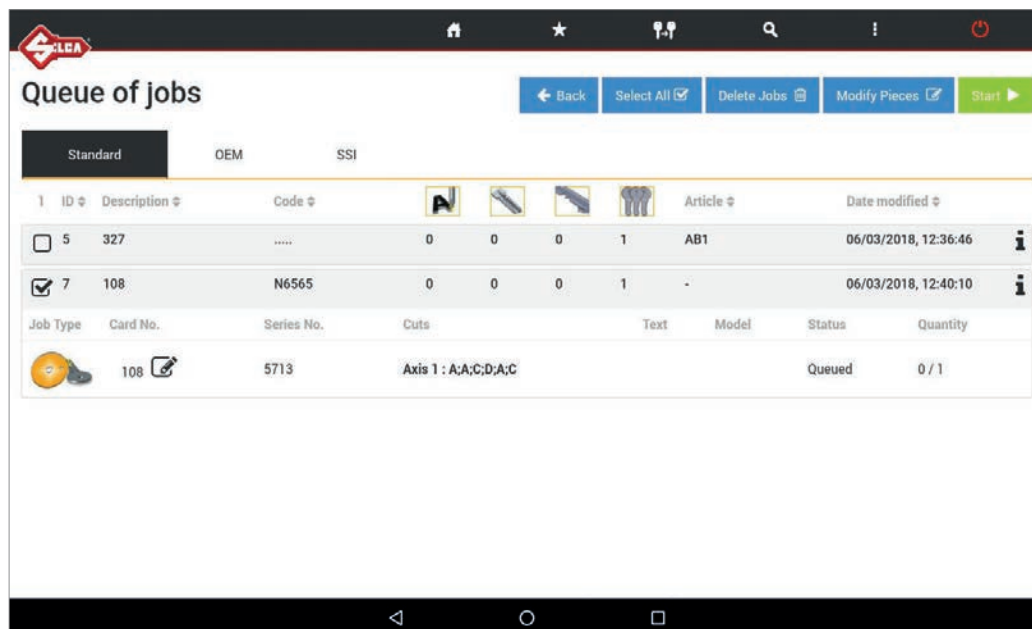



To remove a data card in the Favorite's menu, tap the relevant star symbol, which will go back to white.

4 QUEUE OF JOBS





The “Queue of Jobs” collects all the jobs (the keys) the user prefers to do later. See on page 15 how to move a job in this “Queue of Jobs”.

4.1 “STANDARD” QUEUE OF JOBS

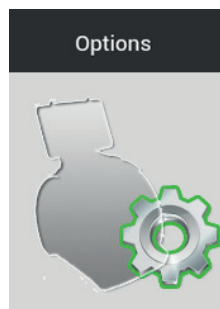


- Select one or more jobs using the “Select All” button, or tap the  box.
- To see other job details, tap the single row.
- To delete the selected jobs, tap “Delete Jobs”.
- To edit the number of keys to be cut in the selected jobs, tap “Modify Pieces”.
- To start cutting the selected jobs, tap “Start”.

ICON LEGEND

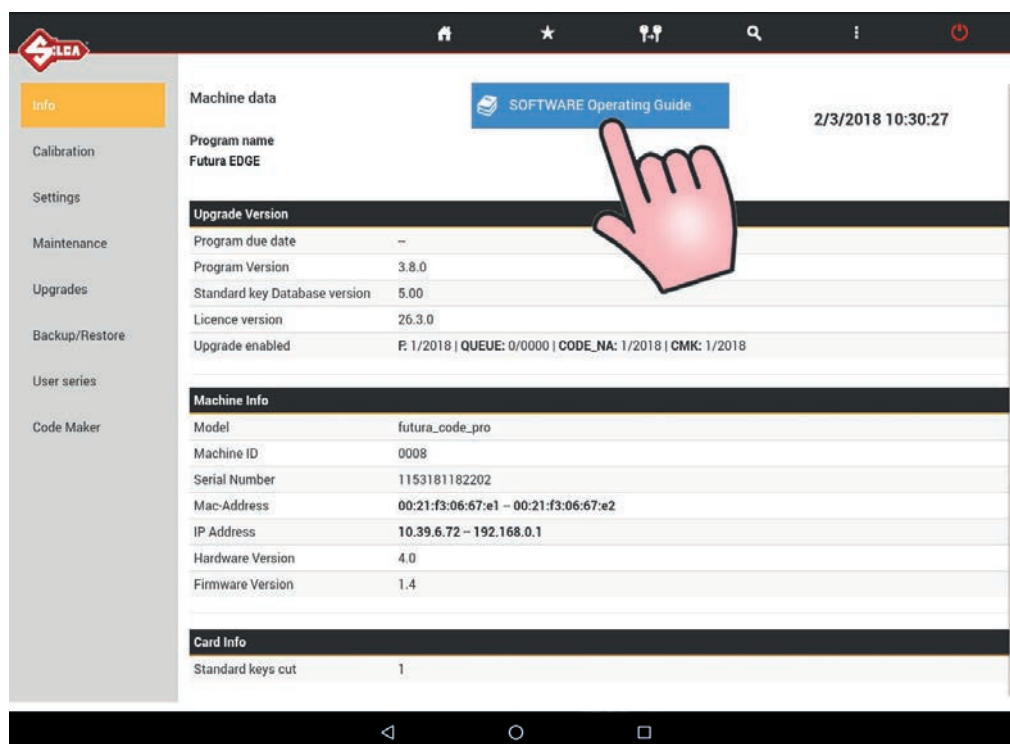
	Total number of keys to be cut
	Number of STANDARD cuts already made
	Identifies STANDARD cuts
	Extra information

5 OPTIONS



Options contains the following menus:

- **Info**
- **Calibration**
- **Settings**
- **Machine maintenance**
- **Upgrades**
- **Backup/Restore**
- **User series**
- **Code Maker (optional - see ch.9)**



5.1 INFO

This window shows the main data for the Futura Edge machine (e.g. SW update version, serial number, number of keys cut, etc.).

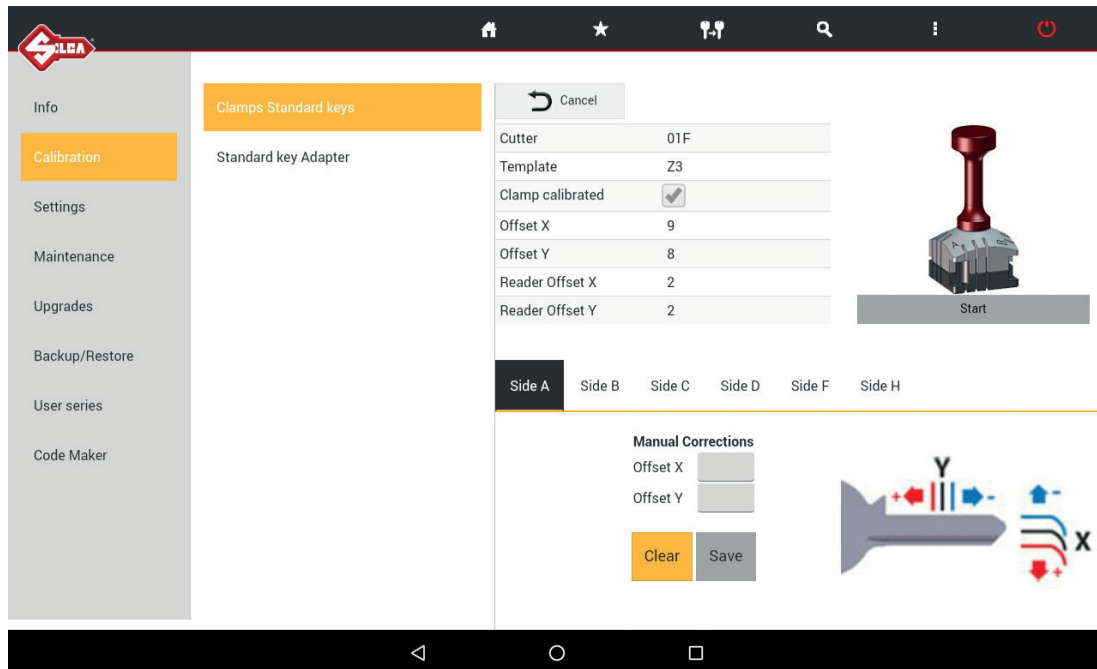
Tap the appropriate icon to view the “SOFTWARE OPERATING GUIDE”.

5.2 CALIBRATION

Calibration includes:

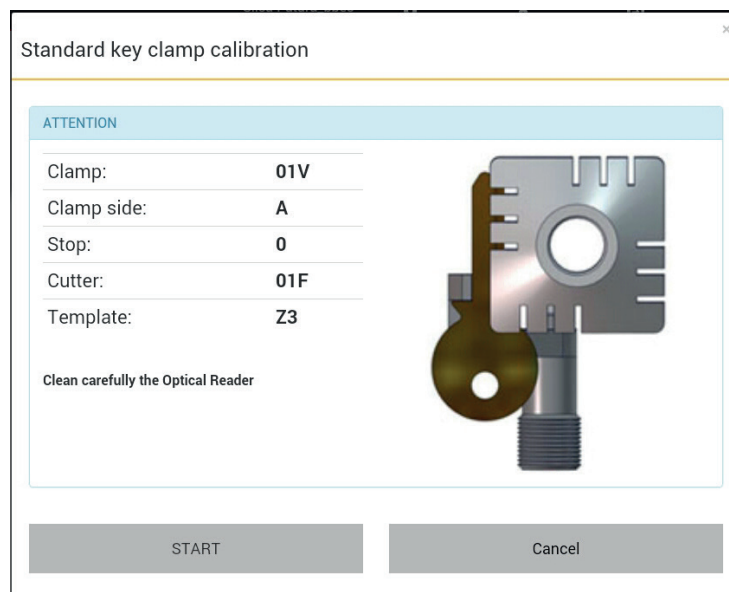
- **Clamp Standard keys**
- **Standard key Adapter**

5.2.1 STANDARD key clamp calibration

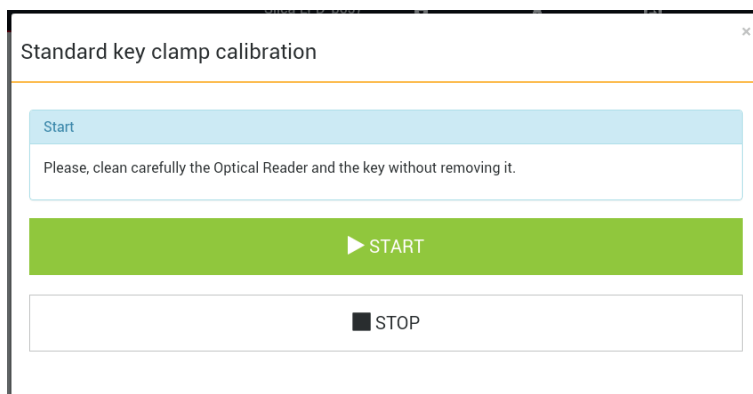


Tap START to begin calibration.

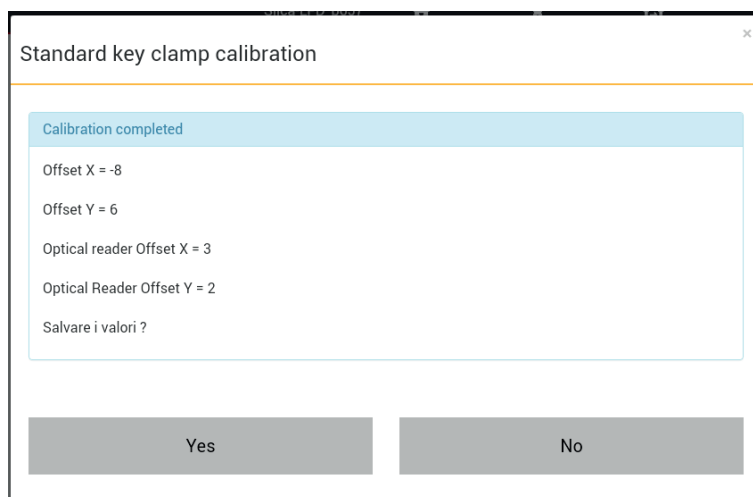
Fit template Z3 into the 01V clamp, as illustrated.



When the message “Clean carefully the Optic Reader and key without removing it” appears, lift the safety shield and carry out the required operations.
Close the safety shield and press START to continue.

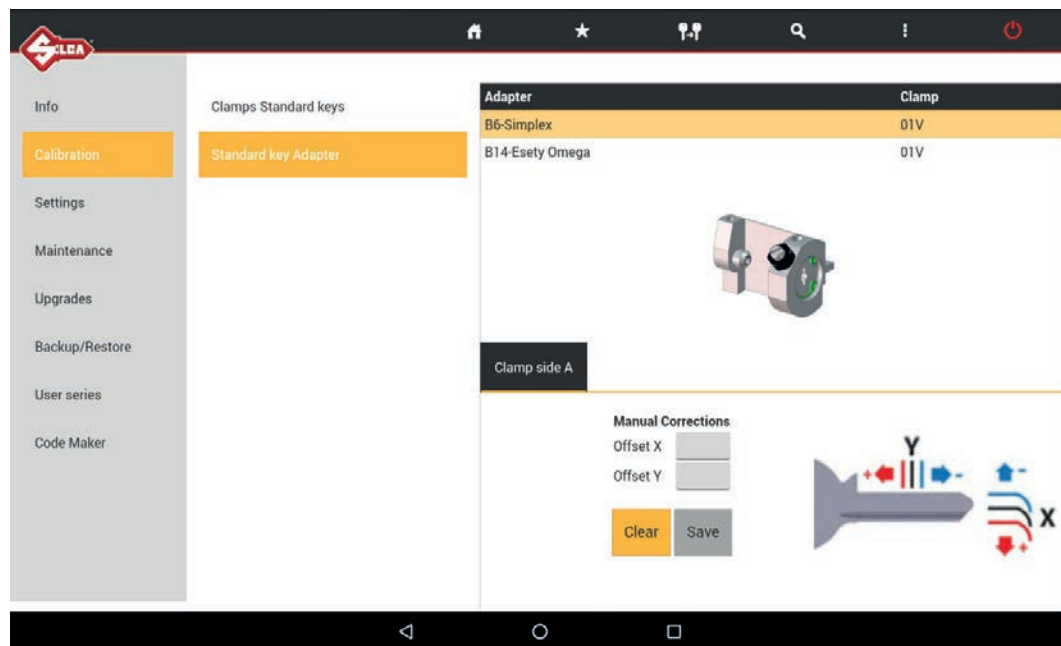


At the end of the operation you are required to save the data entered.
Tap “Yes” to confirm.



The 01V clamp is calibrated only for Side A.
Only Manual corrections of Y (spaces) e X (depth) can be entered on sides B, C and D.
Positive value of Y: takes cut closer to stop.
Negative value of Y: takes cut away from stop.
Positive value of X: lowers the cut from the axis.
Negative value of X: raises the cut from the axis.
Adjustments: from -30 to +30 hundredths of mm (+/- 118 thousandths of an inch).
Tap “Save” to confirm.

5.2.2 STANDARD key Adapter calibration



Adjustments to X (spaces) and Y (depths) can be made manually.

Positive value of Y: takes cut closer to stop.

Negative value of Y: takes cut away from stop.

Positive value of X: lowers the cut from the axis.

Negative value of X: raises the cut from the axis.

Adjustments: from -30 to +30 hundredths of mm (+/- 118 thousandths of an inch). Tap "Save" to confirm.

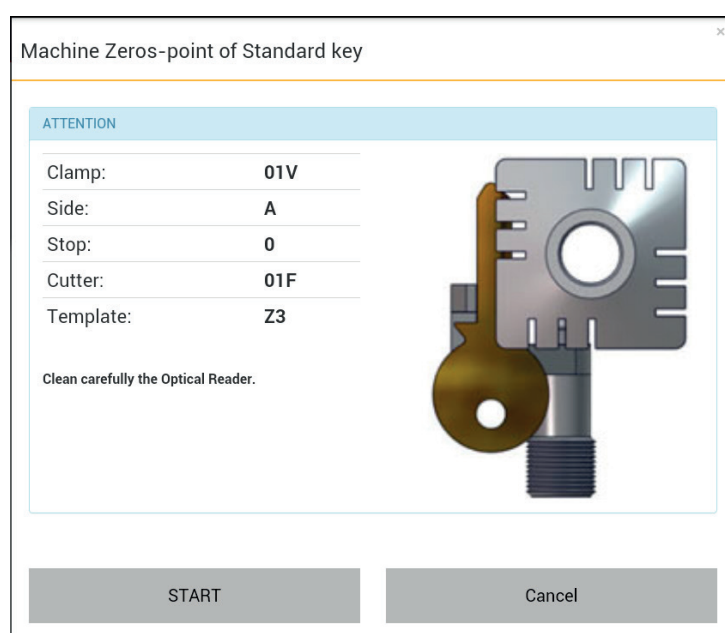
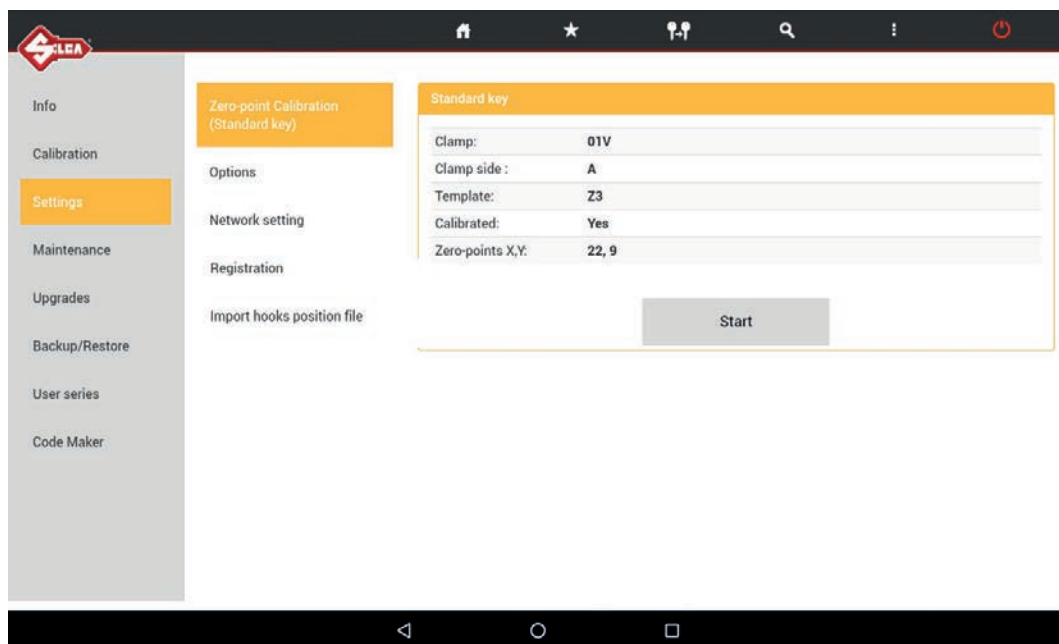
5.3 SETTINGS

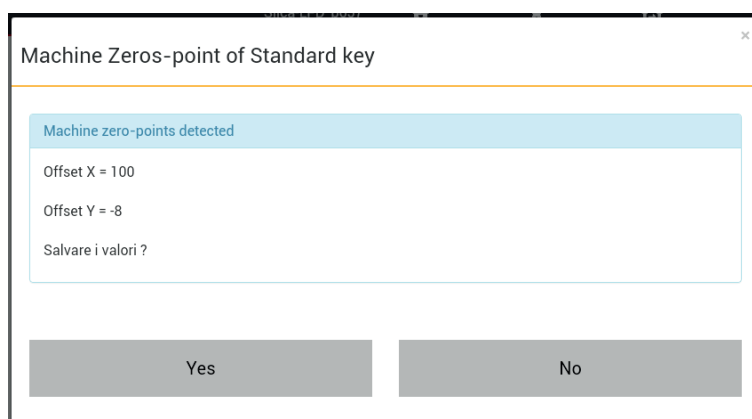
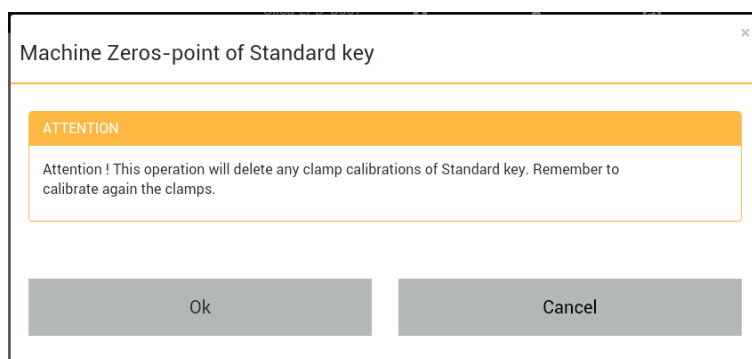
The Settings menu contains:

- **Zero-point Calibration (STANDARD key)**
- **Options**
- **Network setting**
- **Registration**
- **Import hooks position file**

5.3.1 Zero-point Calibration (STANDARD key)

Tap START and follow the instructions on the screen.





At the end of the operation you are required to save the data entered.
Tap "Yes" to confirm.

5.3.2 Options

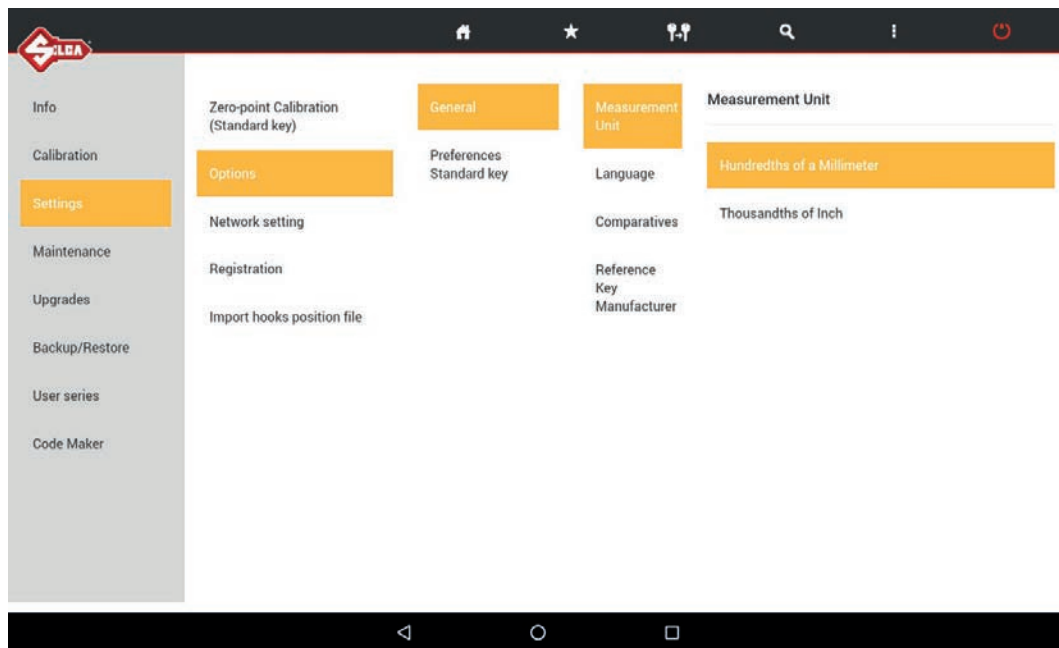
The Options menu contains:

- **General**
- **Preferences STANDARD key**

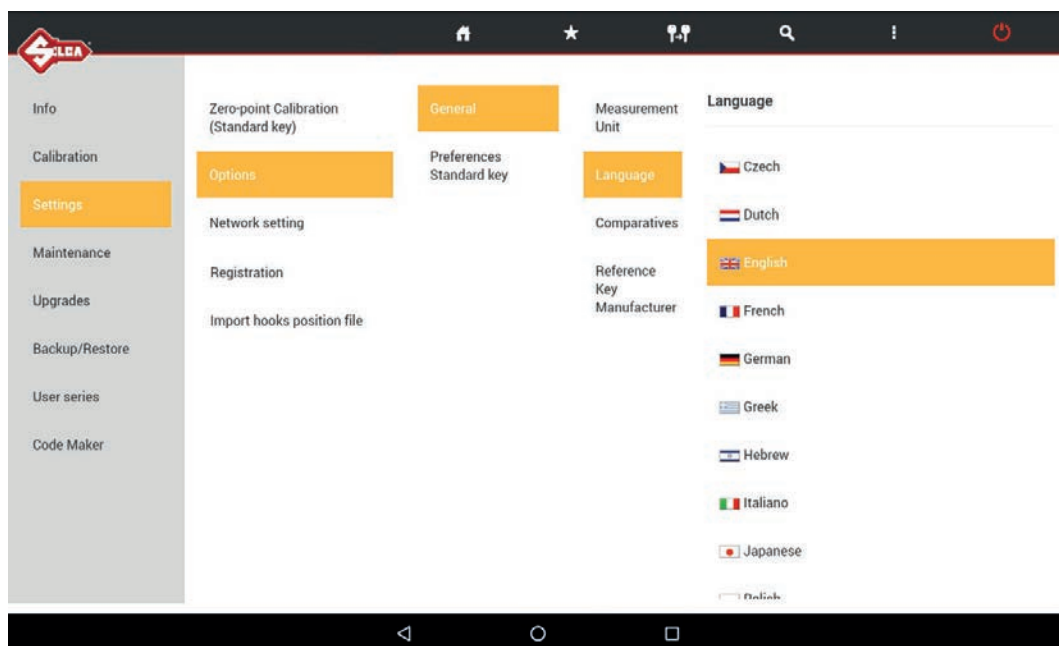
5.3.2.a General

The following parameters can be modified:

- **Measurement Unit** (millimeters or inches)

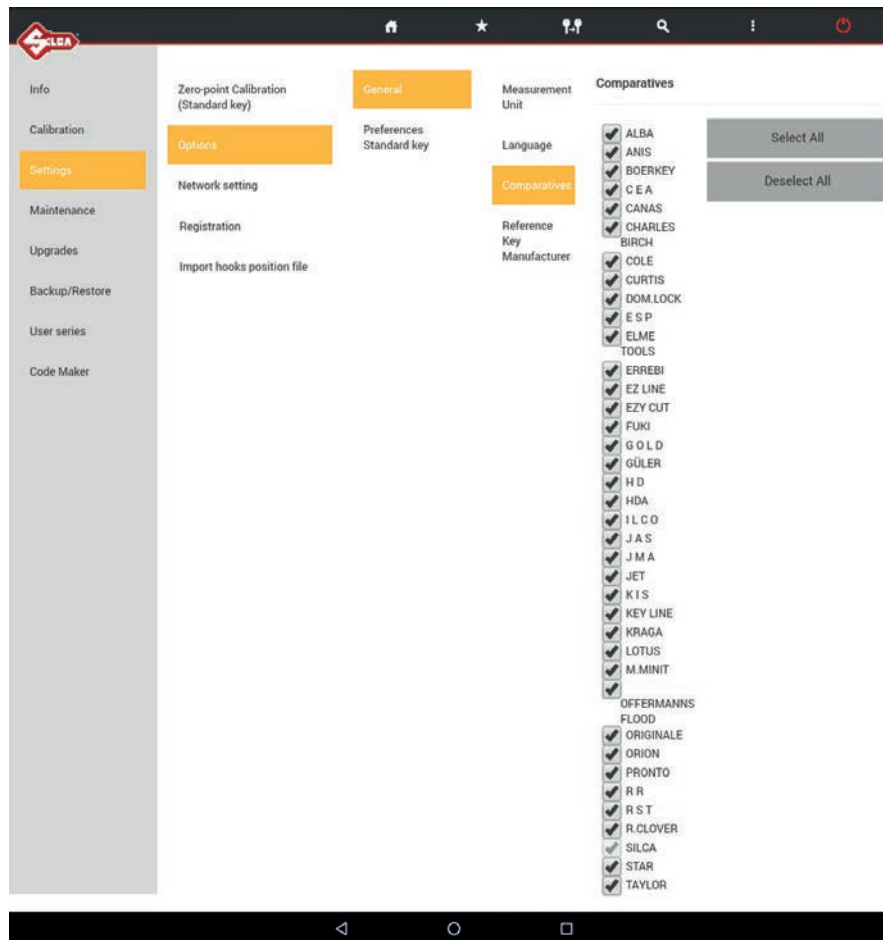


- **Language**



- **Comparatives** (comparative brands to visualize for key research)

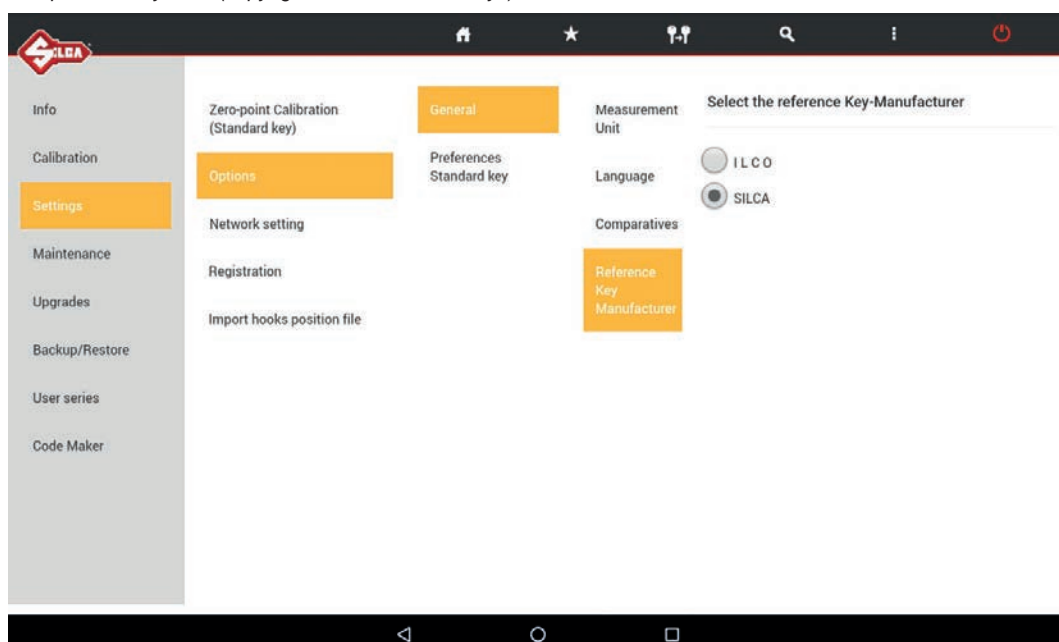
It's possible to pick and/or unpick brands that can be seen after a research of comparatives articles.
In the comparative list Silca is activated by default.



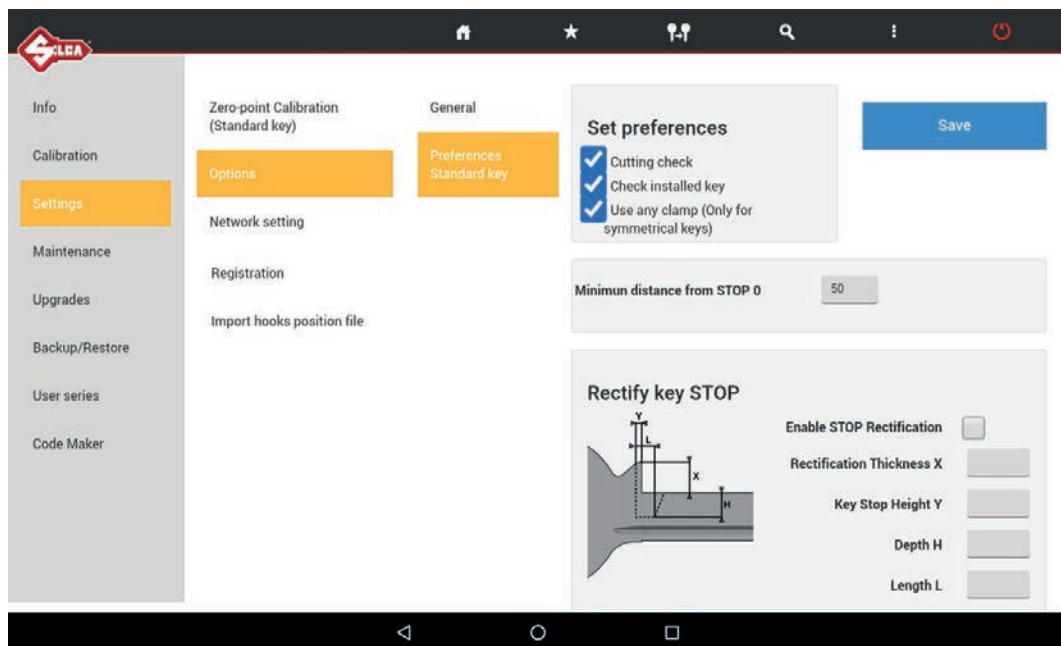
- **Reference Key Manufacturer**

After a key search... the key to be duplicated will always (with exception*) be the Silca reference by default.
ILCO can also be set as a reference by default.

* keys that are not produced by Silca (copyright - obsolete - new keys)



5.3.2.b Preferences STANDARD key



Cutting check: in simple terms ...MACS protection (Maximum Adjacent Cut Specification). When enabled this function prevents the machine from accepting user input of direct cuts that would result in a combination of cuts not included in the data cards.

Check installed key: when enabled this function checks whether the second side of the key is properly aligned in the clamp. Any alignment errors (taper) will be offset. This function is used only for keys with cuts on both sides.

Use any clamp: if this function is enabled the key to be cut can be positioned on a clamp side different from default. The function is used to acquire the measurement of the key blank (stem width) in order to adapt cuts to the key blank being used. It is applied automatically only to keys with double symmetrical sides.

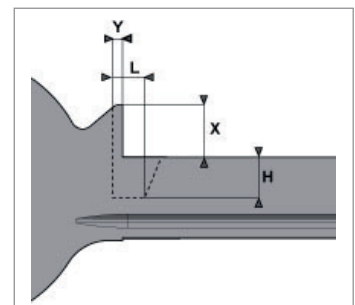
ATTENTION: option valid for **CUTTING** only (**NOT DECODING**).

Rectify key STOP: when enabled adjusts the key stop as per instructions on the screen.

Minimum distance from stop: the range [50-90] (hundredths of a millimeter); 197-354 thousandths of an Inch)

Interval for parameters involved (in hundredths of a millimeter):


X	0 - 99
Y	0 - 400
H	0 - 400
L	0 - 500



5.3.3 USE

The machine can be set up in one of the 4 modes below:

- 1) **DIRECT CONNECTION** through Wi-Fi (factory configuration)
- 2) **ETHERNET** with connection to LAN and router (to connect the machine to the internet)
- 3) **TETHERING USB** (for connecting tablet and machine via cable)
- 4) **WI-FI-CONNECTION** (to connect the machine to the internet)

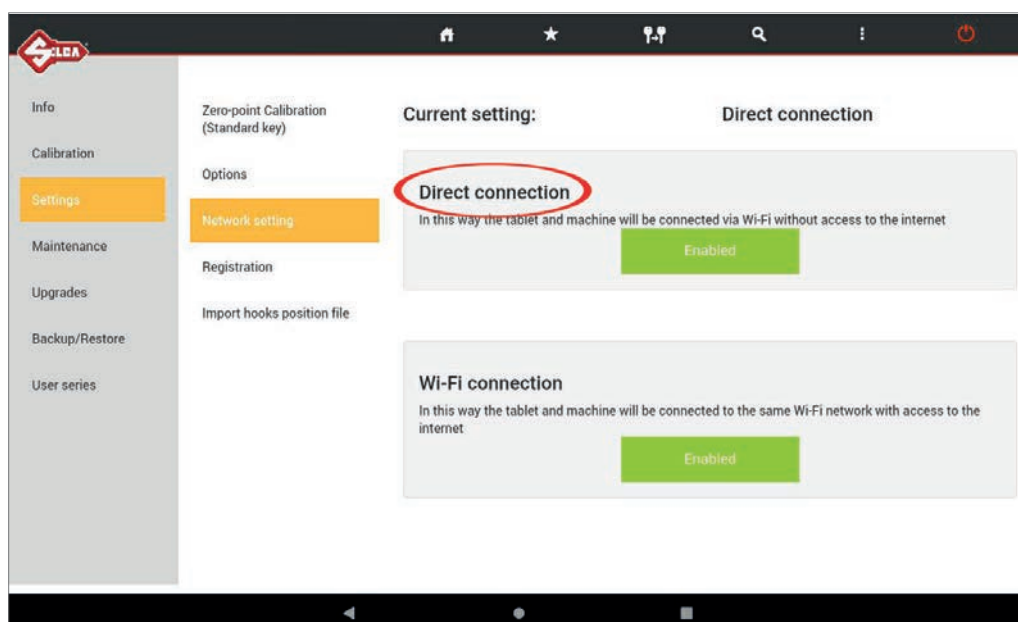
MODE	ACCESS TO INTERNET	TABLET - MACHINE Connection 	Recommended
DIRECT CONNECTION	NO	Wi-Fi	YES
ETHERNET with connection to LAN	YES via CABLE	Wi-Fi	YES
TETHERING USB	NO	USB cable	YES
WI-FI-CONNECTION	YES via Wi-Fi	Wi-Fi	YES

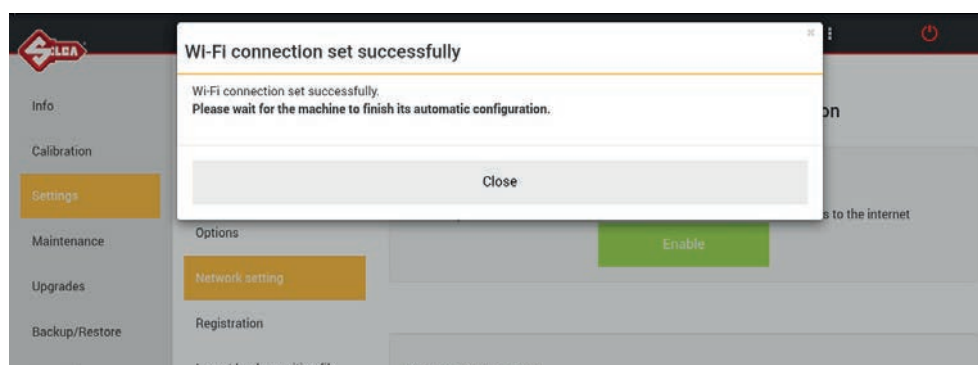
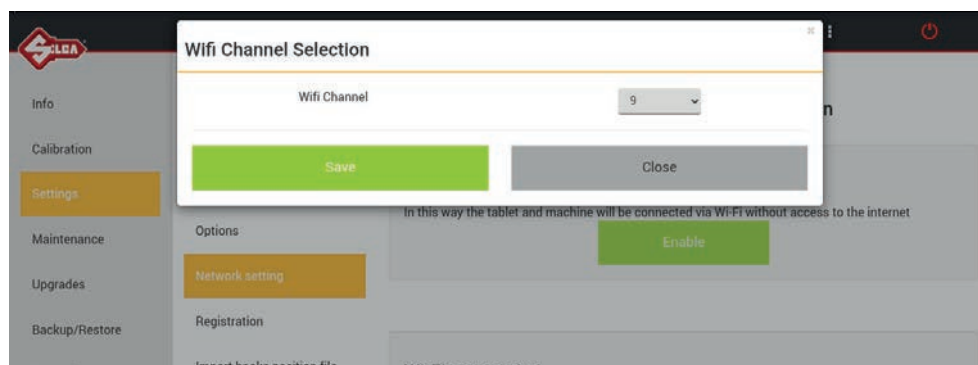
5.3.3.a DIRECT CONNECTION mode (Wi-Fi connection between machine and Tablet)

In this mode the Tablet connects directly to the machine.
The machine is set on this mode in our workshops.



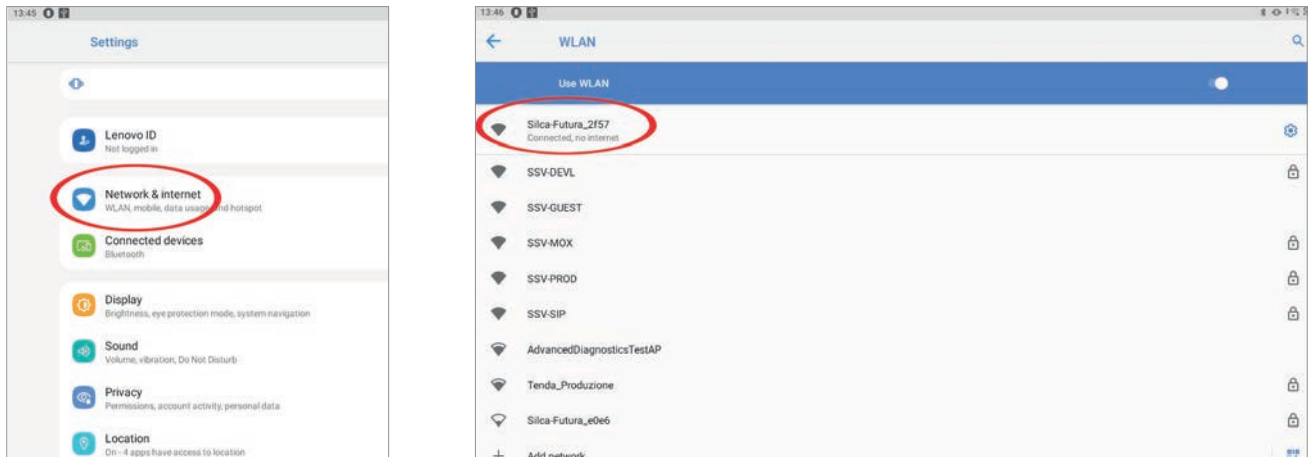
Fig. 3



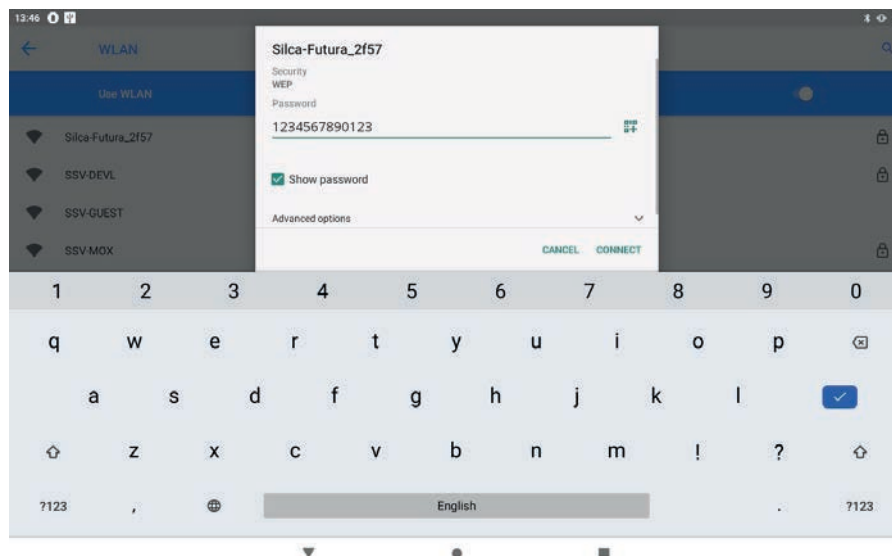


When the machine and Tablet are switched on the connection automatically activates in around two minutes; if not, check the Wi-Fi connection from your Tablet to see if the machine is included in the Wi-Fi (WLAN) networks that are found; the machine will appear as **Silca-Futura_...**





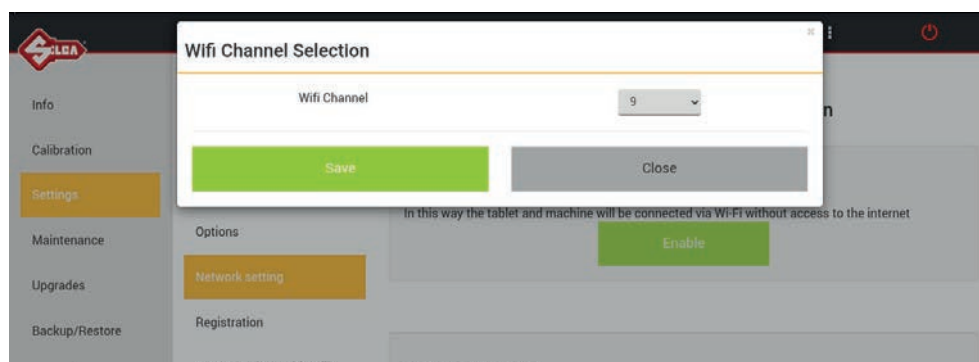
If it is not connected pick “Silca-Futura_...” and input the password which correspond to the machine serial number (made up of 13 numbers).



The option to change the Wi-Fi channel is used in cases when the (point to point) communication cannot be properly connected since there are too many devices tuned to the same channel.

It also permits the user to adapt to the rules and restrictions of Wi-Fi channel use in their country.

To change the channel one must first be connected, select the new channel and then reboot the machine.



5.3.3.b ETHERNET with connection to LAN and router

To connect the Futura Edge machine to the internet through your LAN:

- Set the machine on DIRECT CONNECTION and connect the tablet in Wi-Fi to the machine (factory configuration).
- Connect your LAN ethernet cable to the machine (Fig. 4).

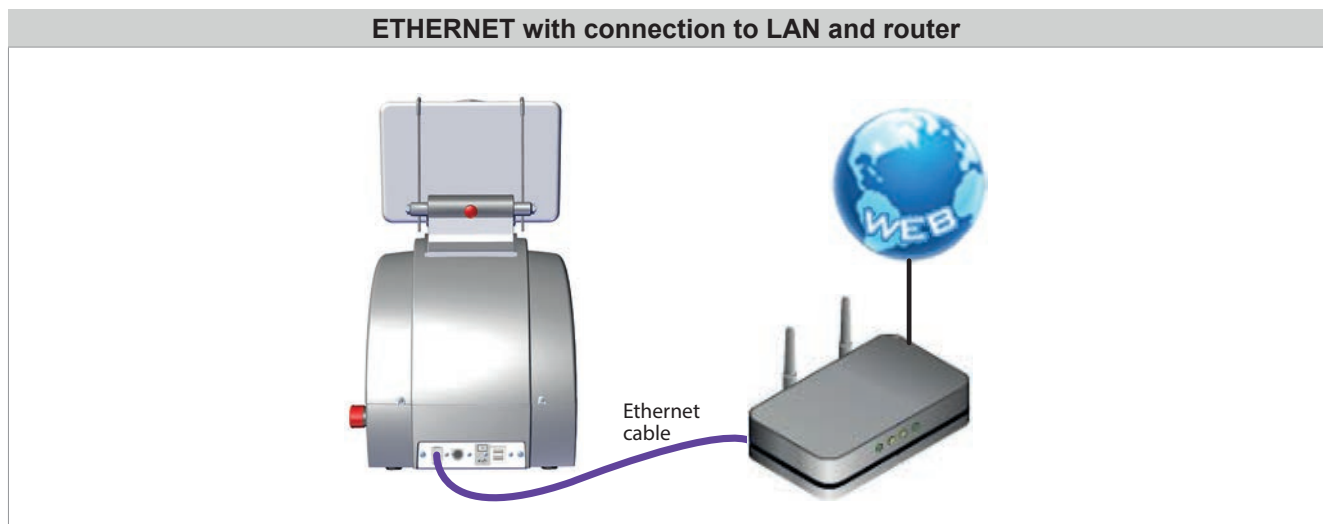


Fig. 4

5.3.3.c TETHERING USB mode - PERMANENTLY ENABLED USB TETHERING

• USB TETHERING

This method is used to connect the machine to a Tablet by means of a USB cable. Use the power cable provided with the Tablet.

Attention! This control is active and can be selected only if:

- the USB cable is connected to the Tablet and machine (Fig. 5).

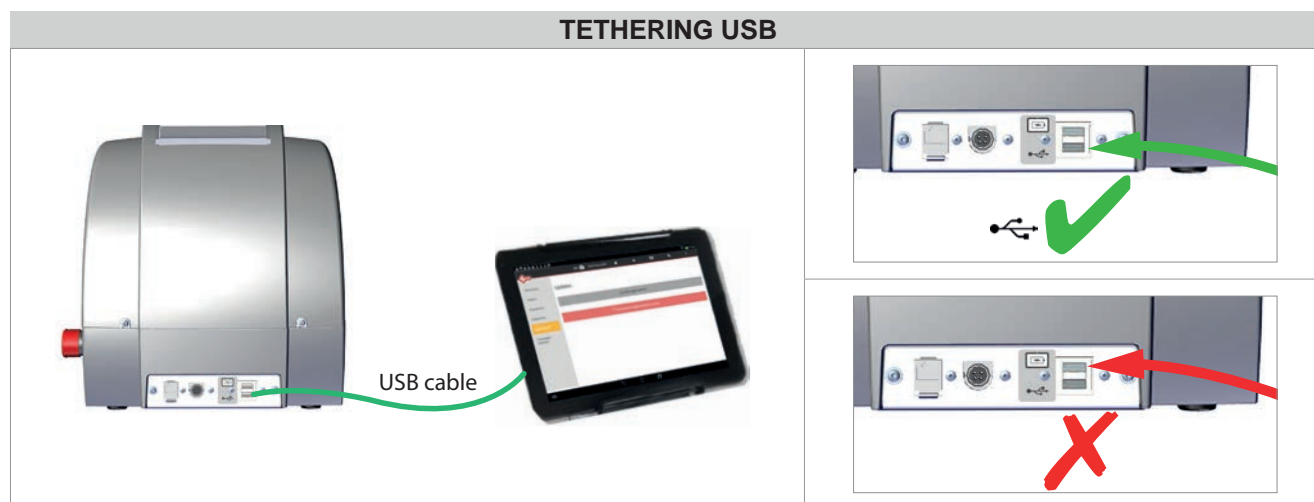
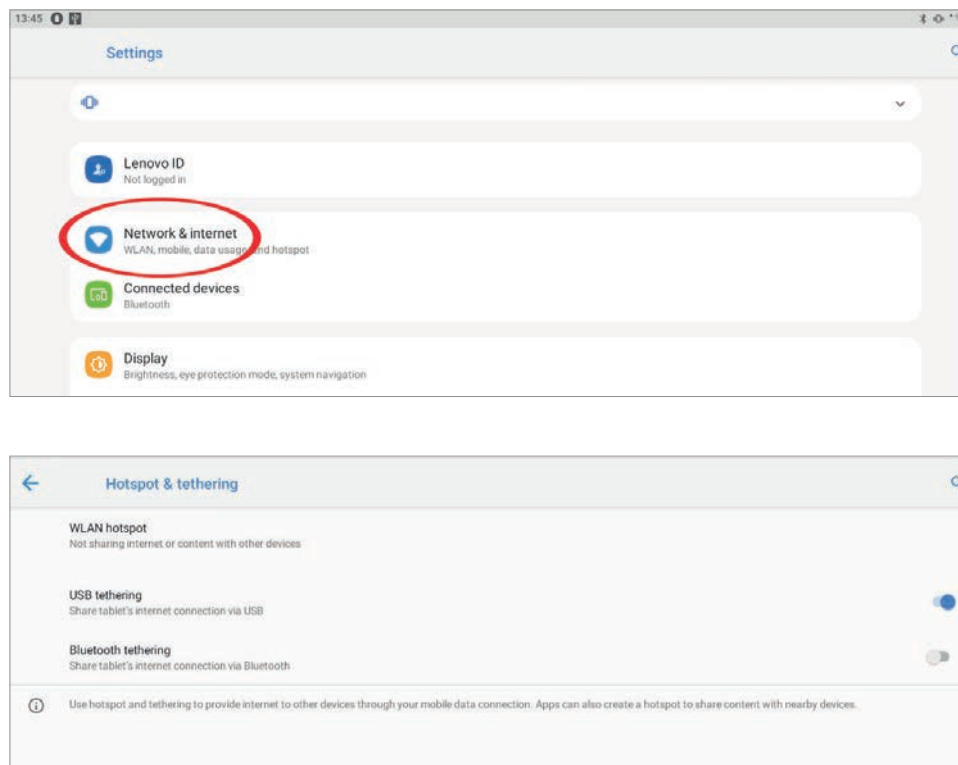


Fig. 5

- 1) Connect the USB cable to the machine and Tablet (Fig. 5).



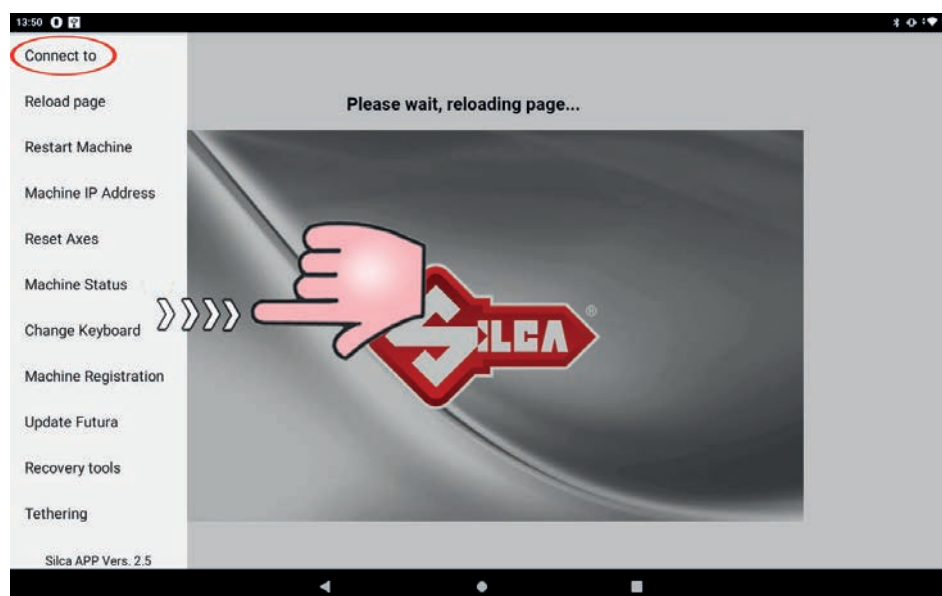
- 2) Access "Settings"  on the Tablet.
- 3) Set "OFF" to disable the Wi-Fi.
- 4) In the Tablet "Settings" tap the "NETWORK & INTERNET" icon and select the item "Hotspot & Tethering".



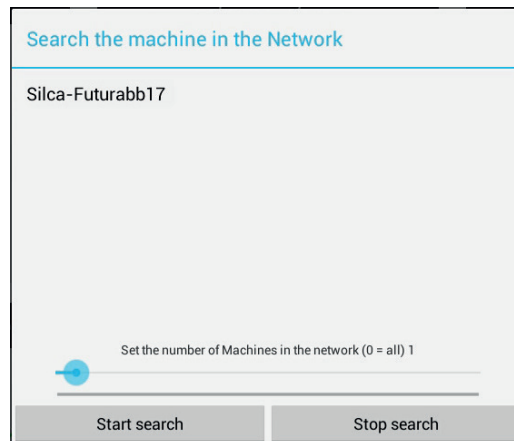
5) Tick “USB Tethering” or select “ON” to enable.

When this item is enabled a green light on the machine will flash for a few seconds. It may take 10-20 seconds for this to happen.

Start the Silca Futura APP and open the drop-down menu.
Select “Connect to” to find the machine.



When the machine has been found, hit to select and establish connection.



Go directly to **USB TETHERING** by selecting the item in the drop-down menu (available on APP version 2.5).



- **PERMANENT USB TETHERING**

USB TETHERING can be enabled permanently from Android version 9.0 or later. Follow the instructions in Ch.10 CHANGING TABLETS.

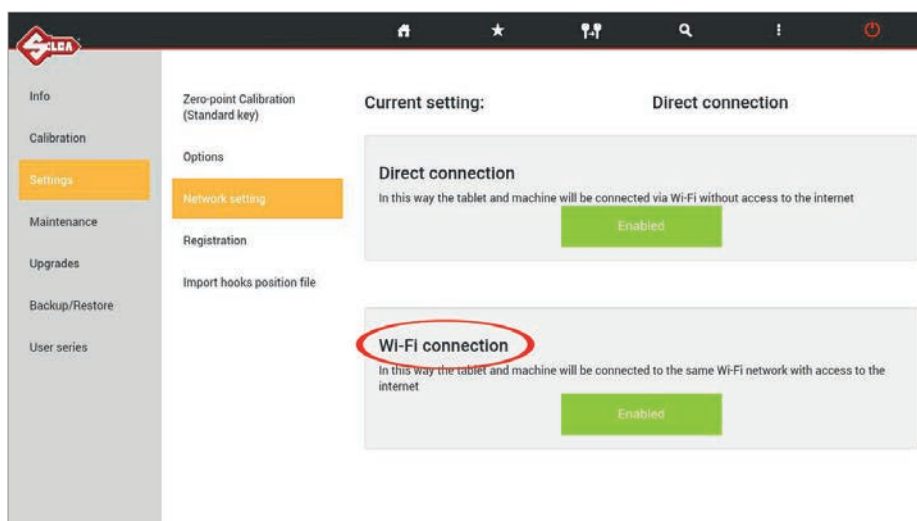
5.3.3.d WI-FI CONNECTION mode

This mode is useful to connect the tablet and machine, sharing the internet access provided by the router. If this is required we suggest in any case using the “Ethernet with connection to LAN” configuration, as described in Chapter 5.3.3.b as it performs better.



Fig. 6

To access this method of use, go to the Options > Settings menu, select “Network setting” and hit the WI-FI CONNECTION mode icon.



Perform the following operations to activate this method:

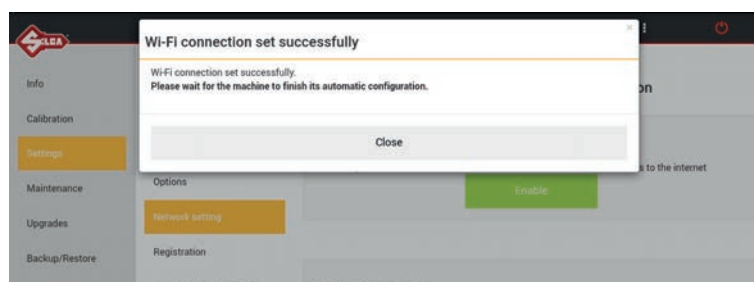
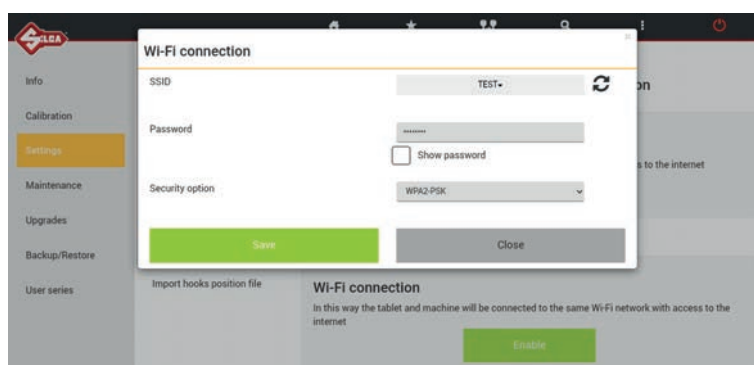
FUTURA EDGE CONNECTION TO A WI-FI ROUTER

Pick the network to which you want to connect by tapping the SSID field and then inserting the network's password.

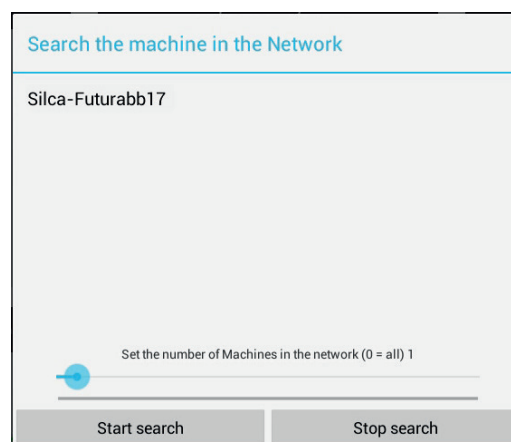
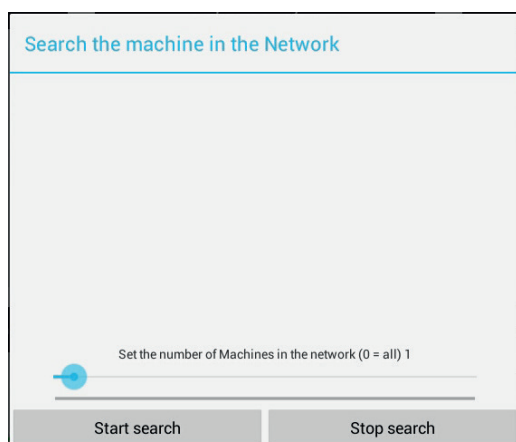
Tap "Save" to reboot the machine in WI-FI-CONNECTION. The machine should initially reboot with a flashing white and blue light, to then end with two flashing blue lights that indicate the connection to the local network was successful.

Configuration is automatic and requires approximately one minute. **Attention: wait for the machine to reboot automatically.**

If the inserted password was incorrect the machine would reboot in DIRECT CONNECTION mode with an intermitted flashing blue light.



During automatic configuration, the machine reboots and connects Tablet and machine to the same router network. Will appear:



5.3.4 Registration

When a machine is registered, the data are shown on the screen:

The screenshot shows the Futura Edge software interface. On the left is a sidebar menu with options: Info, Calibration, Settings (highlighted), Maintenance, Upgrades, Backup/Restore, and User series. The main area is divided into three sections: 'Zero-point Calibration (Standard key)', 'Options' (with sub-items 'Network setting' and 'Registration' highlighted), and 'Import hooks position file'. The 'Registration' section displays the following data:

Registration	
Machine registered	
Serial Number	1234567890123
Company*	Shop
Last Name	
First Name	
Address	test
City*	test
Country*	AT
Email*	xxxxxx@gmail.it.com

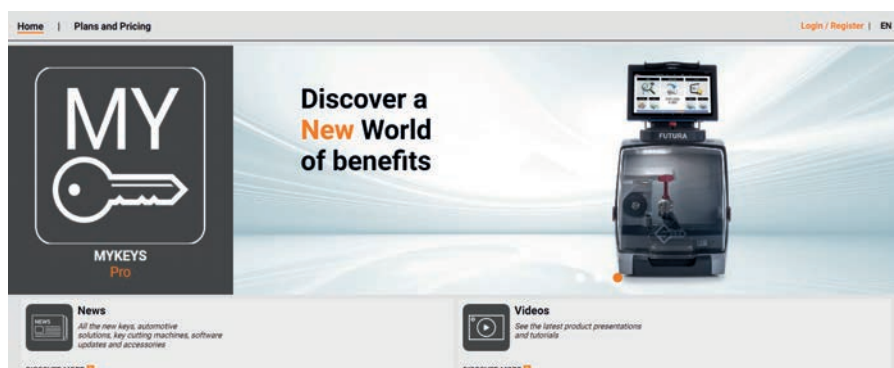
The screen below appears if the machine has not been registered:

The screenshot shows the Futura Edge software interface with the 'Registration' section highlighted. It provides instructions for manual registration:

Access any browser from your PC or Tablet and enter the following address
<https://www.silcawebw.biz/futura/reg/index.html>

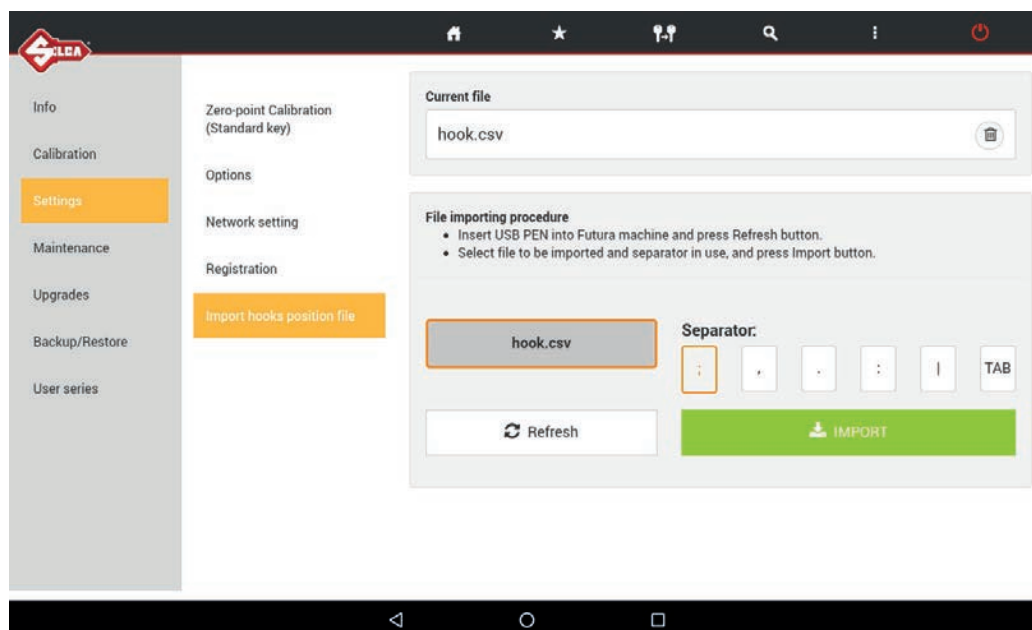
Below the instructions is a large blue button labeled 'Register'.

To register a machine, see Ch.6 MACHINE UPDATE and REGISTRATION.



5.3.5 MPORT HOOKS POSITION FILE

This function is used to import a CSV file containing a list of positions for hooks associated to the Silca keys stocked by a point of sale/key-cutting centre. The file is imported from a USB PEN inserted into the key-cutting machine USB port.



Example of list compilation (Silca key / Separator / Position):

AGB5 ; A501

AGB8 ; A502

CS204 ; B600

CS206 ; B601

The hook position is highlighted in the special field when carrying out a Search (Fig. 7) and Copy vehicle keys (Fig. 8) operation.

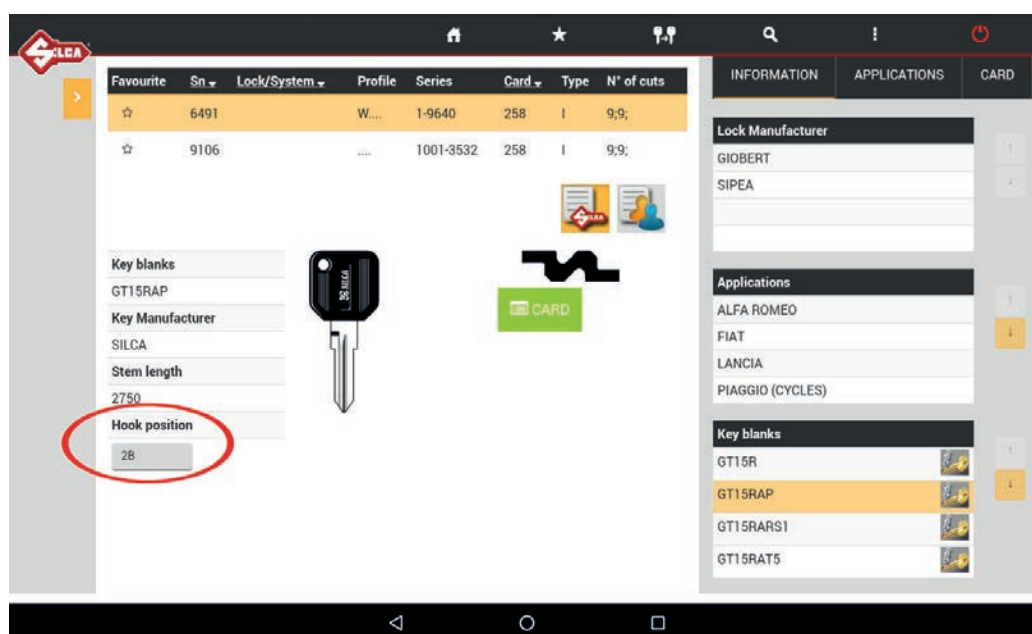


Fig. 7

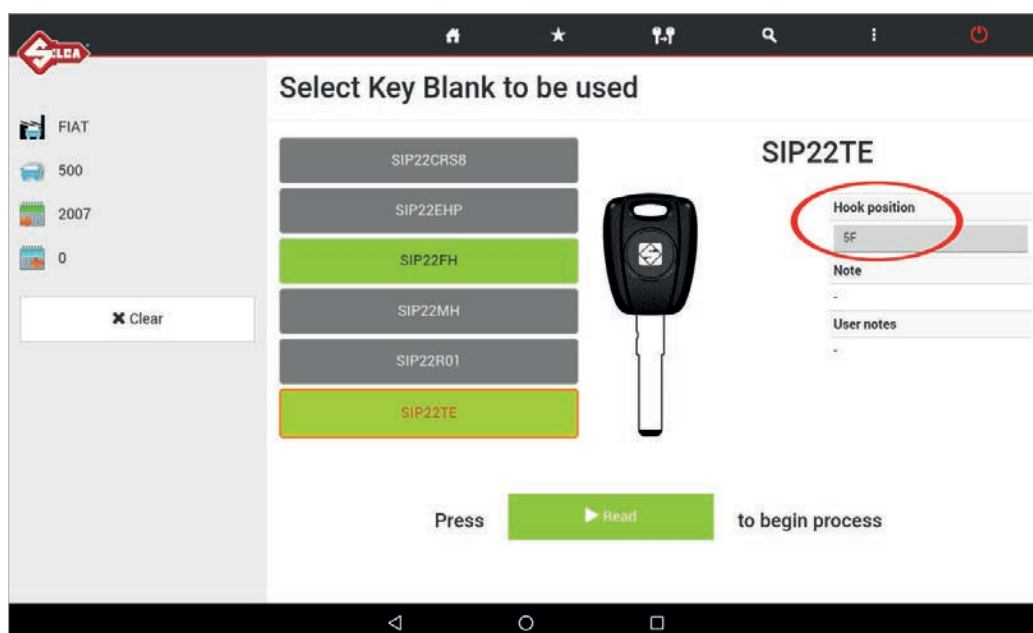


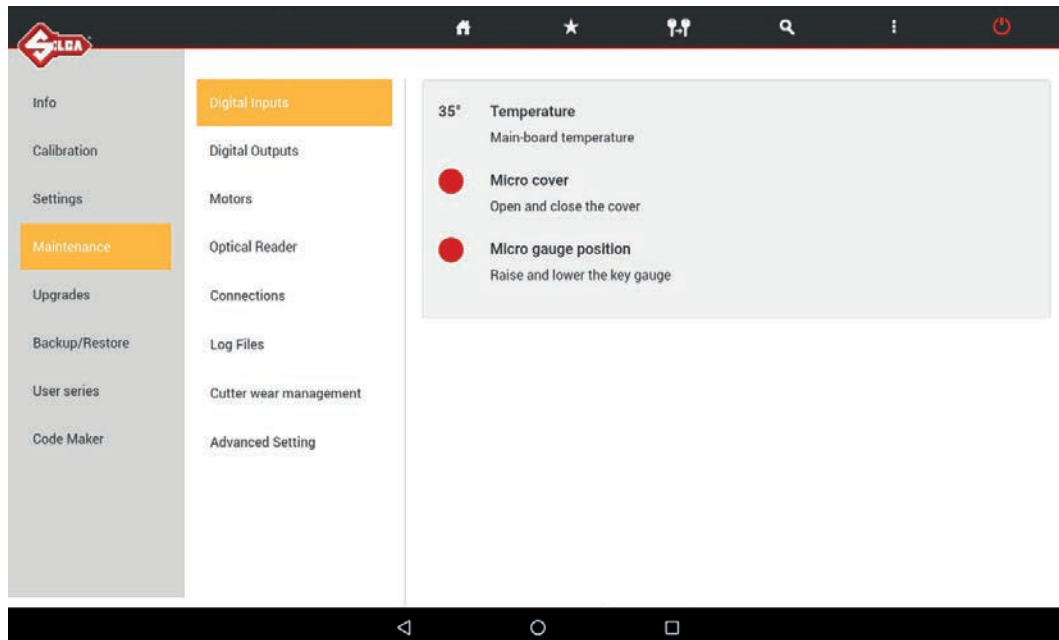
Fig. 8

5.4 MACHINE MAINTENANCE

• Digital Inputs

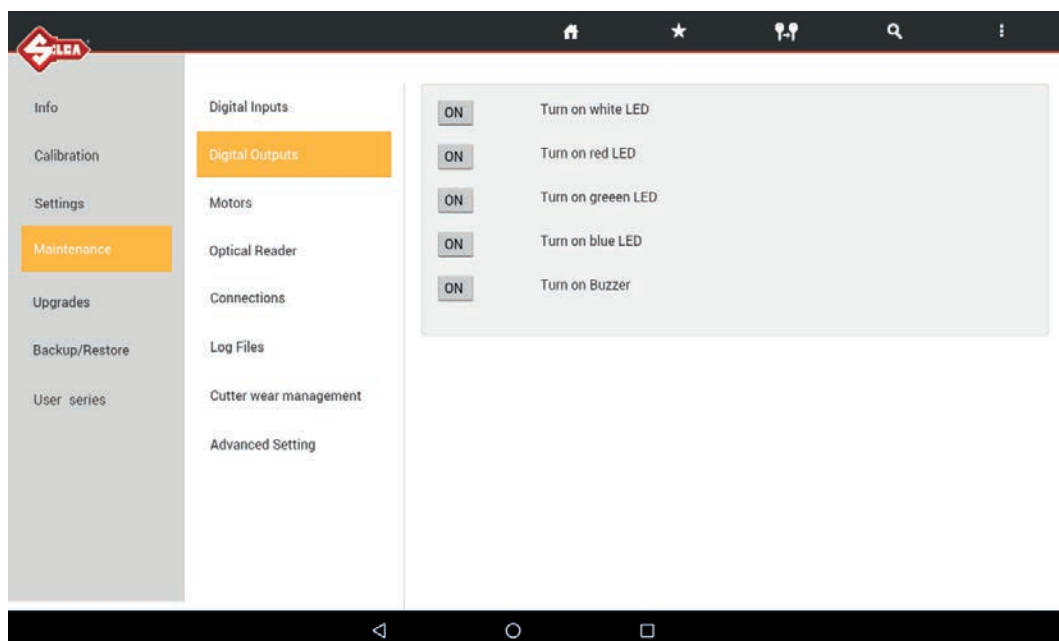
This function is used to test operation of the digital inputs on the electronic board to which they are connected: screen micro, gauge position sensor, electrical contact, etc.

To perform the test carry out the movement described for each item and check that the relative signal changes color from red to green.



• Digital Outputs

This function is used to test operation of the digital outputs on the electronic board and relative devices connected to it. To perform the test tap ON on the screen.



• Motors

This function is used to test operation of the 3 step motors for the X, Y and Z axes (at the moment the B axis is not used). To perform the test tap “+” for the axis involved.

Note: The carriage must not reach and hit the end of its run.

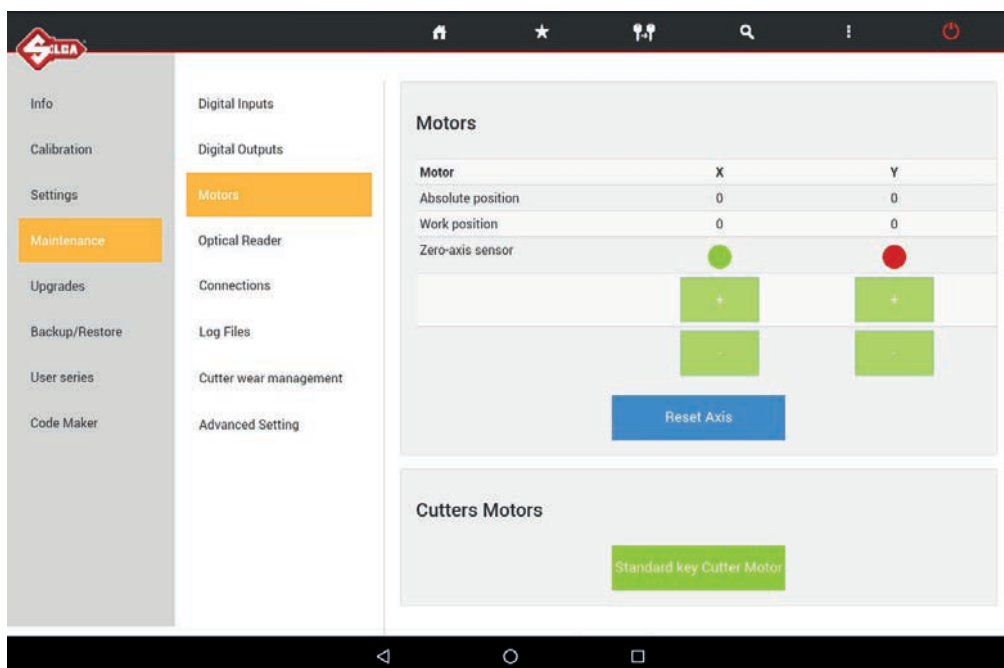
The Reset key homes the axes.

NOTE: tap “-” only when the value shown in the “Working position” field is positive.

Axis clearance sensor: the ring becomes green when activated.

• Cutter motors

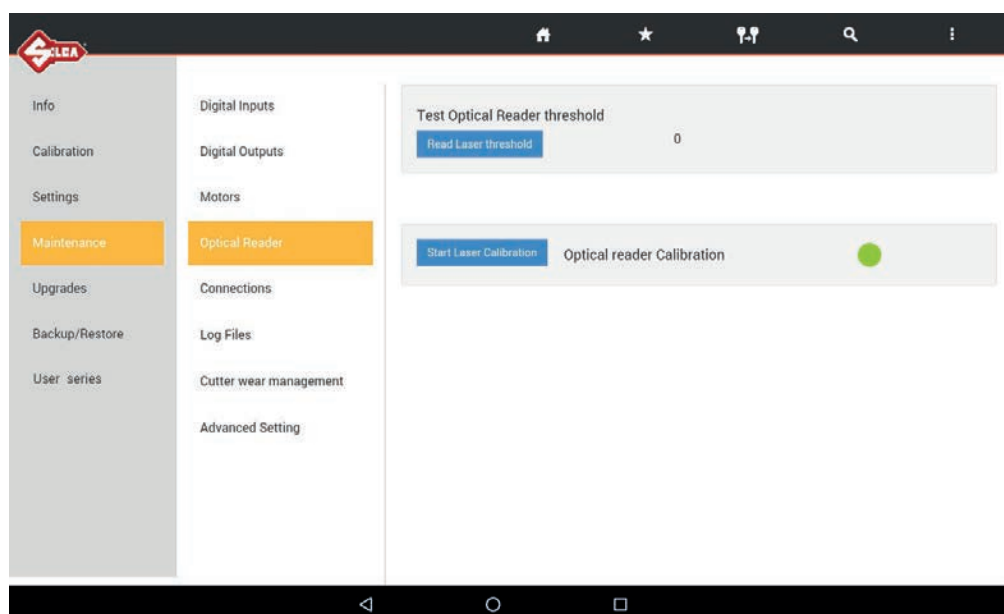
To perform the test tap the button for the motor to be tested: check that the cutter turns for 5 seconds.



• Optical Reader

Perform the Optical reader threshold test to verify if the optical reader is active.

- Tapping on the “Read laser threshold” switches the optical reader from “-” to “0”.

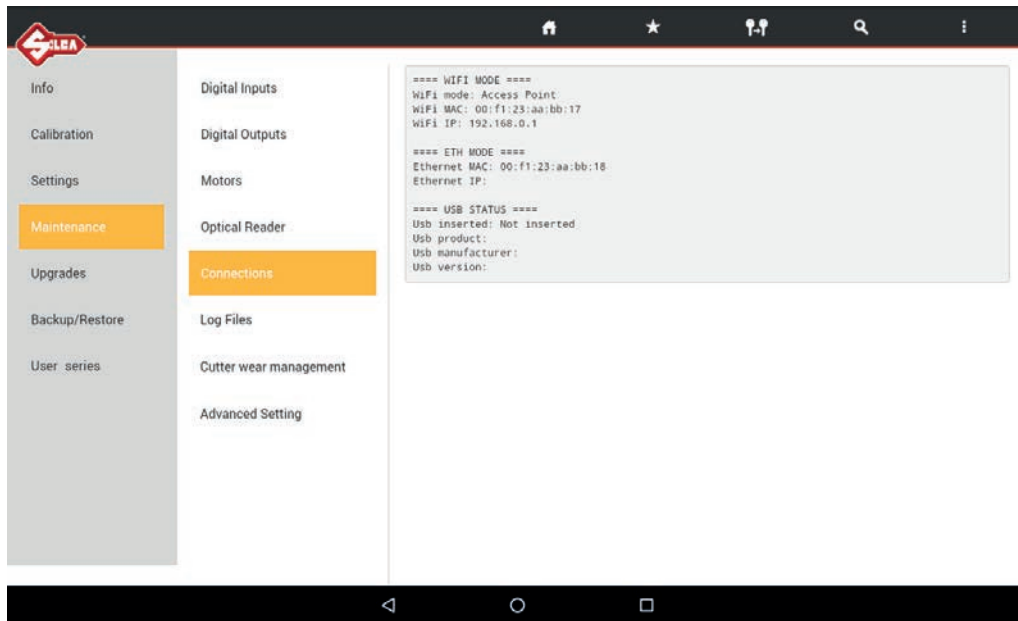


- Perform the Optical reader threshold test only if encountering anomalies when reading and/or decoding keys.
- Thoroughly clean the optical reader's glass, close the protective shield.
- Tap on "Optical reader calibration":
 - the green ball indicates that the optical reader is calibrated.
 - the red ball indicates that you must thoroughly clean the optical readers lens and re-calibrate the reader.

ATTENTION: after the Optical reader calibration proceed with the machine zero points calibration (standard flat keys) then with the standard flat keys clamp calibration.

• Connections

This function shows all the machine connections that are available.

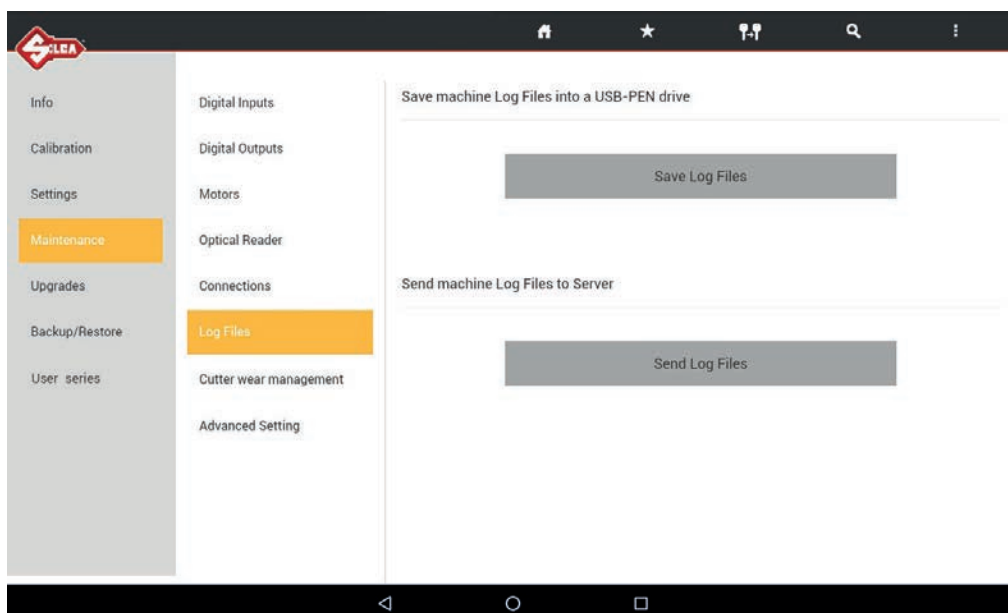


• Log Files

The Log file is requested by Silca when on board machine software anomalies are encountered.

This function permits to create and save a log file:

- on a USB key connected to the machine's USB port (Fig. 9).
- or directly to Silca's Server (with the machine connected to WI-FI CONNECTION) or LAN cable connection).



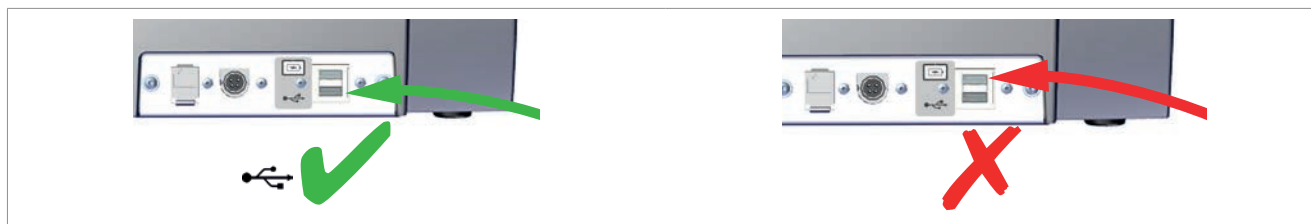


Fig. 9

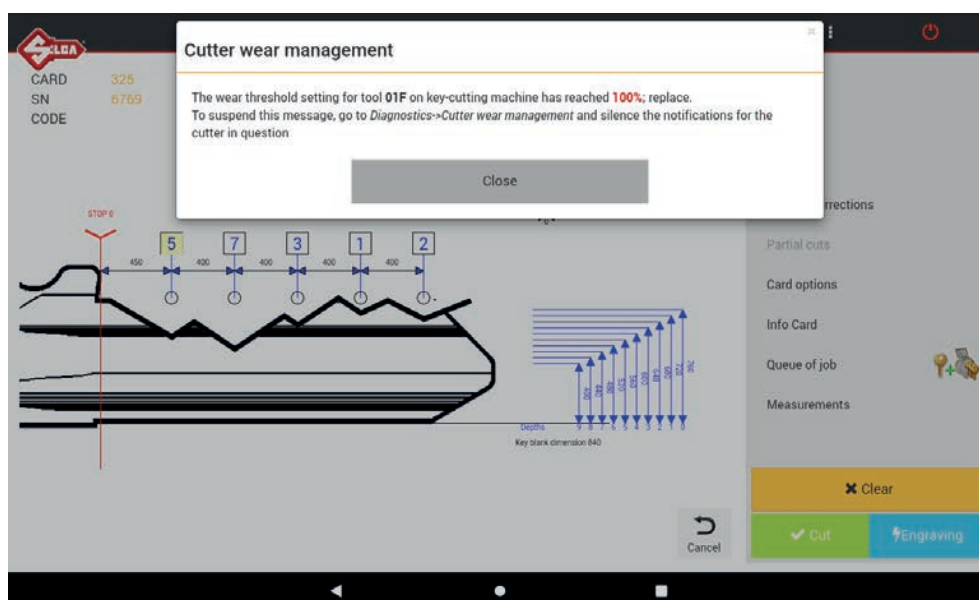
• Cutter wear management

The function for managing cutter wear calculates the degree of wear on all Futura cutters by counting the number of keys that have been cut.

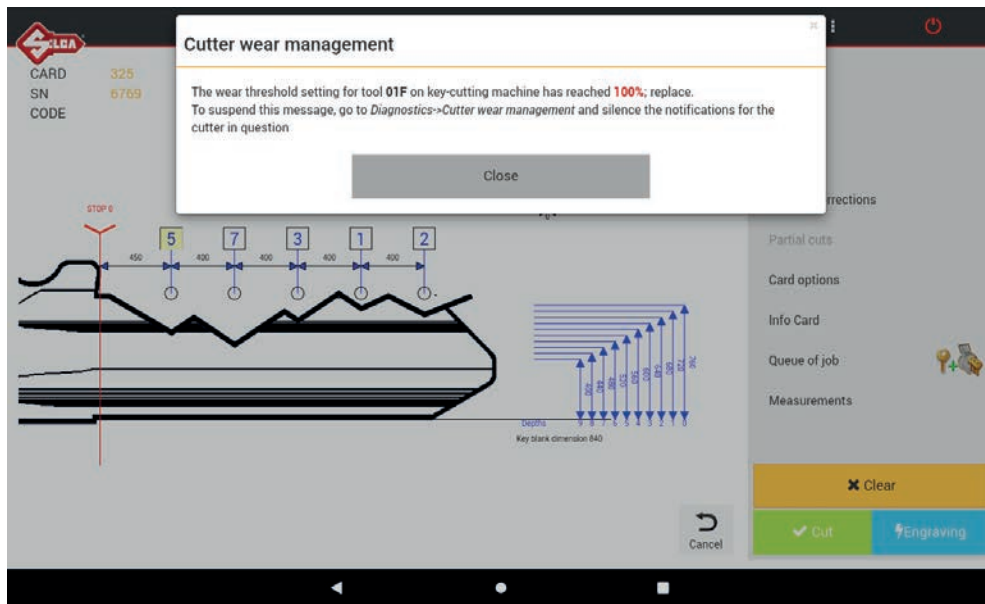
A threshold value can be set manually if required; the default value is purely indicative. On reaching 75%, 90% or 100% of the threshold value, the user receives a notification message and an e-mail reminder.

The material the key is made of may significantly condition the duration of a cutter.

ATTENTION: make sure to use the CLEAR COUNT key to zero the counting function when the cutter is replaced.



- 1 - Email: enter e-mail address at which to receive notifications
- 2 - Wear threshold: edit the value according to the material involved
- 3 - Set Default values: clears wear threshold
- 4 - Reset counter: zeros key counter
- 5 - Notifications: tick box to receive notification e-mails

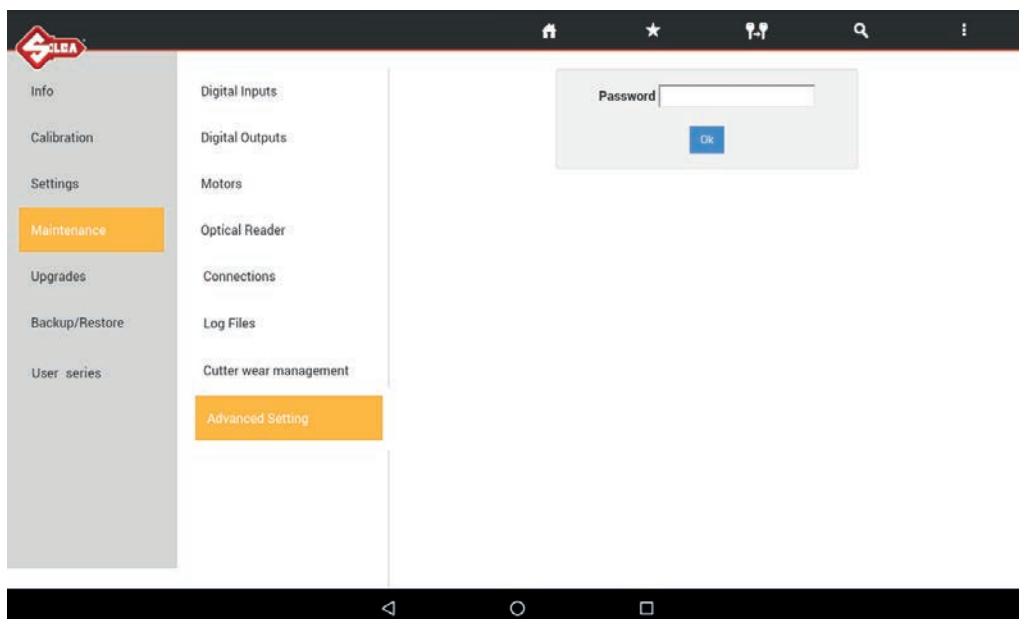


When the cutter wear threshold of 75% - 90% - 100% has been reached, the operator is advised by a pop-up message and an e-mail notification (if the function for receiving notifications has been enabled).



• Advanced Setting

Function for Silca internal use.

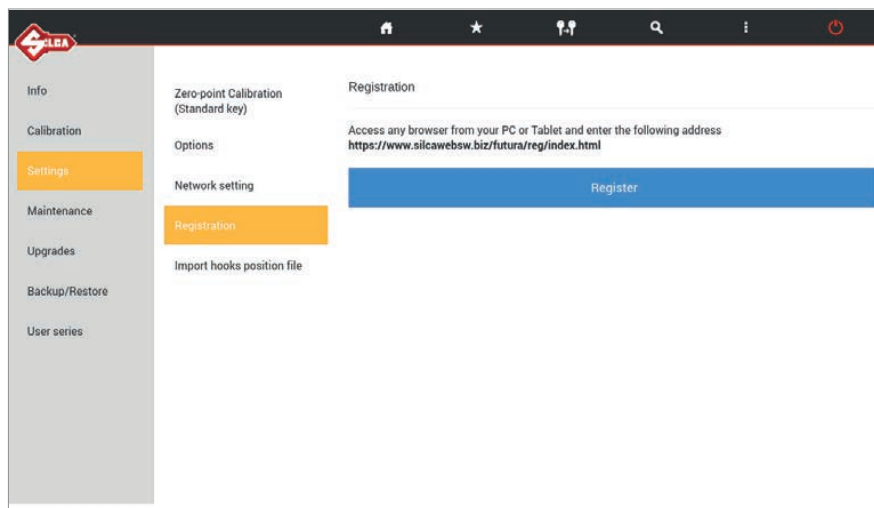


6 MACHINE UPDATE AND REGISTRATION

6.1 MACHINE REGISTRATION

To download the machine software updates you must be registered on the SILCA WEB FUTURA server. **This operation is required only on first access.**

After cutting at least 50 keys you are required to register the machine (only if not yet done) on MY KEYS PRO.COM.



- If the machine is not registered now, the same message will appear every time Futura Edge is started.
- If the machine is not registered it will not be possible to download software updates.

There are 4 ways to register:

Method 1: Futura Edge machine with access to the internet

Method 2: Futura Edge tablet with access to the internet

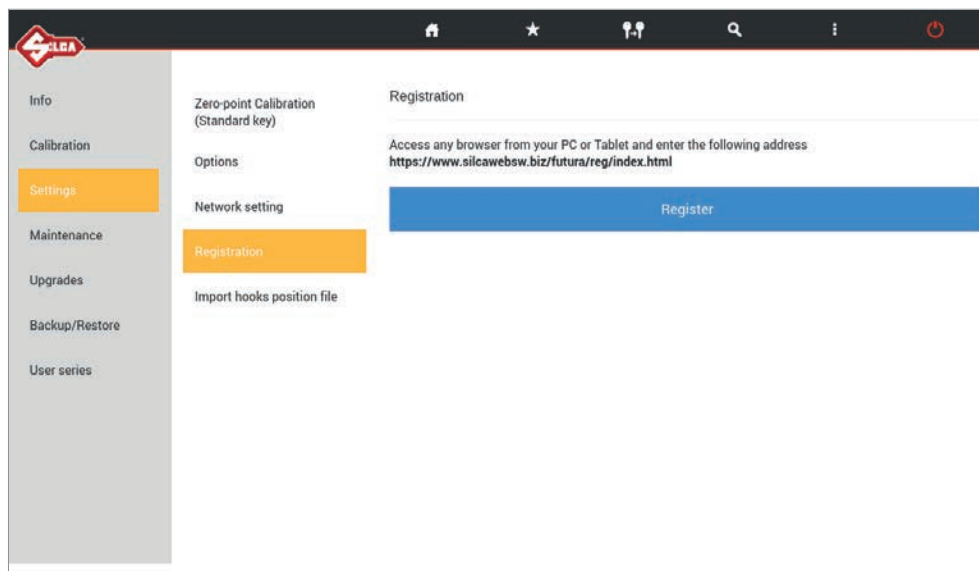
Method 3: Using the Silca Remote Service (SRS) program

Method 4: Using a browser on a PC/tablet connected to the internet

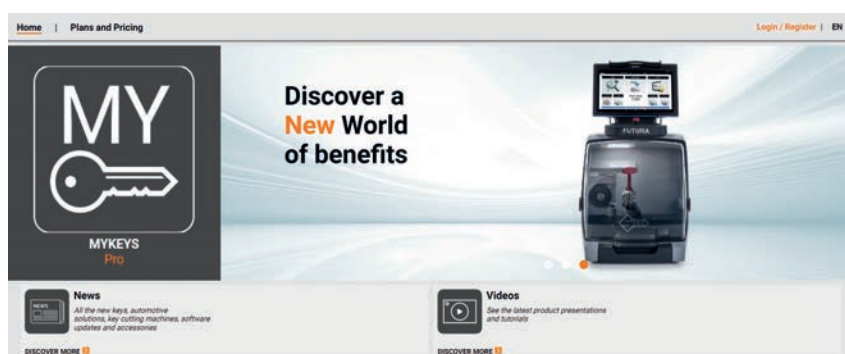
Method 1

Futura Edge machine with access to the Internet

- Start the FUTURA program; tap the icon OPTIONS -> Settings -> Registration



Tap 'Register'. The operation will be re-directed to MYKEYS PRO.



Method 2

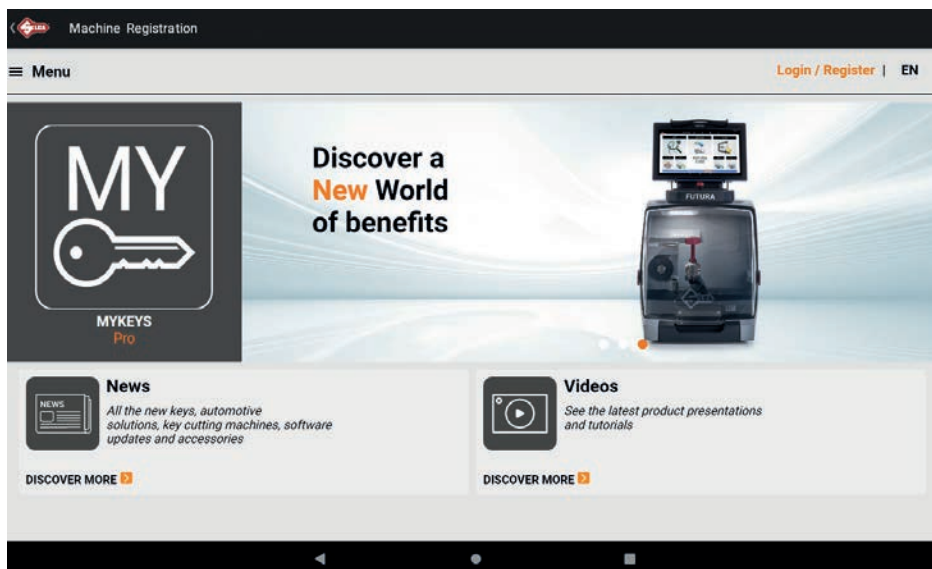
Futura Edge tablet with access to the internet

NOTE: the Tablet must be taken where there is a Wi-Fi connection with internet access.

Connect a tablet to your local Wi-Fi network and connect to the internet to start the Silca FUTURAAPP. Scroll from left to right to open the drop-down menu, as shown below.



Tap “Machine Registration”.

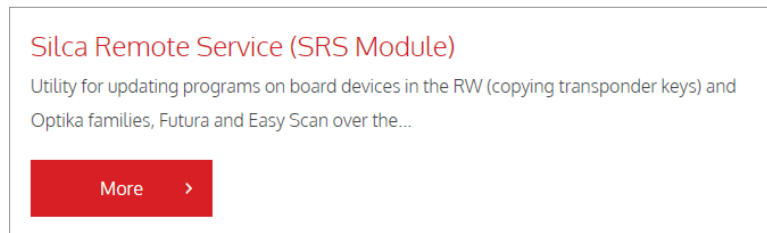


Method 3

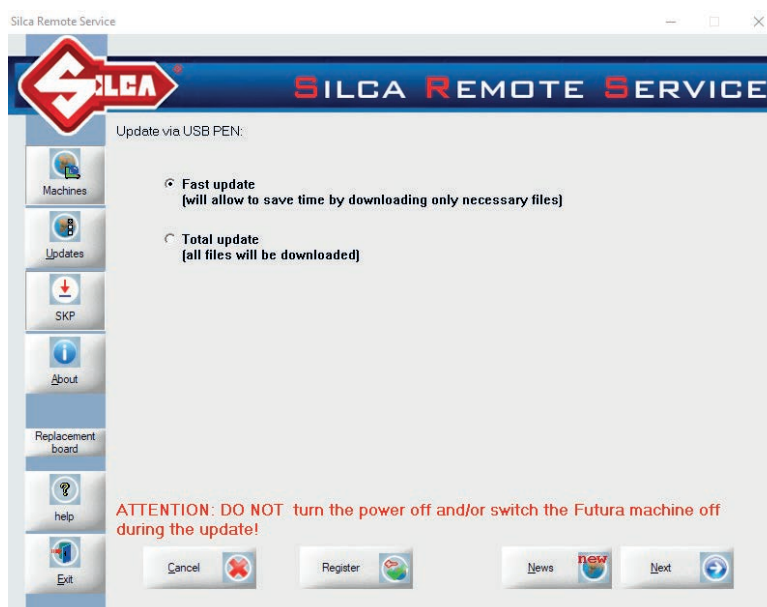
Using the Silca Remote Service (SRS) program

Futura Edge machine and Tablet connected in DIRECT CONNECTION mode

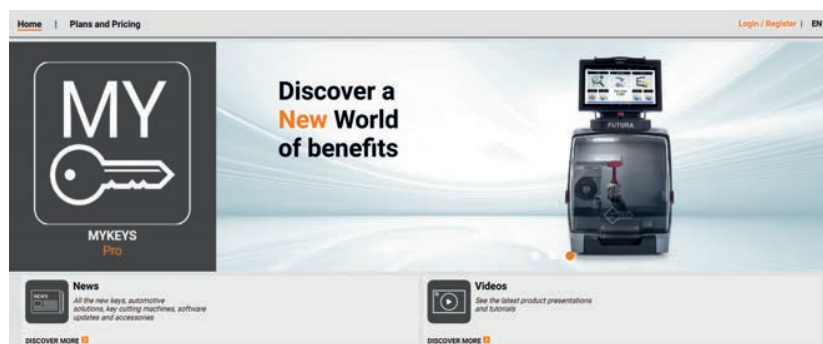
Install the “**Silca Remote Service**” program on your PC. The program can be downloaded from the Silca website www.silca.biz, by selecting the menu PRODUCTS & SOLUTIONS-> SILCA SOFTWARE -> SILCA REMOTE SERVICE (SRS).



- Start the program and select the Futura Edge machine model.



- Select the “Next” button and then “Register”: a dedicated web page will appear.

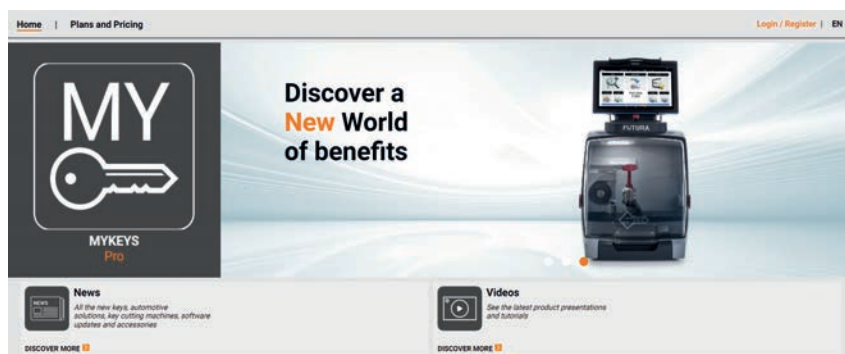


Method 4

Using a browser on a PC/tablet connected to the internet

Access any browser from your PC or Tablet and enter the following address:

MYKEYSPRO.COM



After creating an account on MYKEYS PRO, register the machine as follows:

6.2 MACHINE REGISTRATION WITH MYKEYS Pro

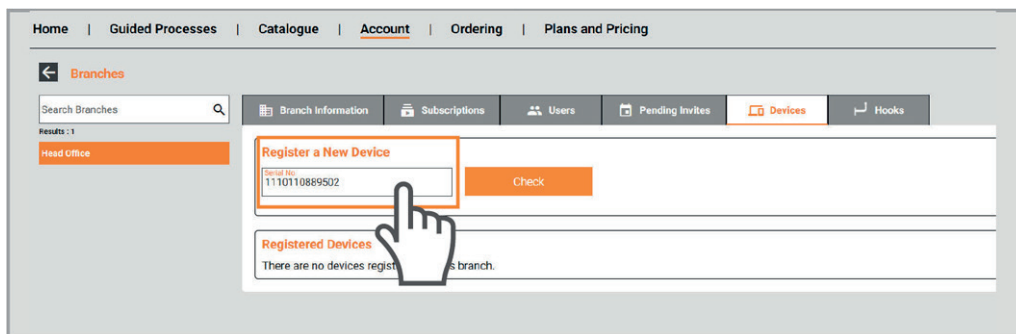
mykeyspro.com



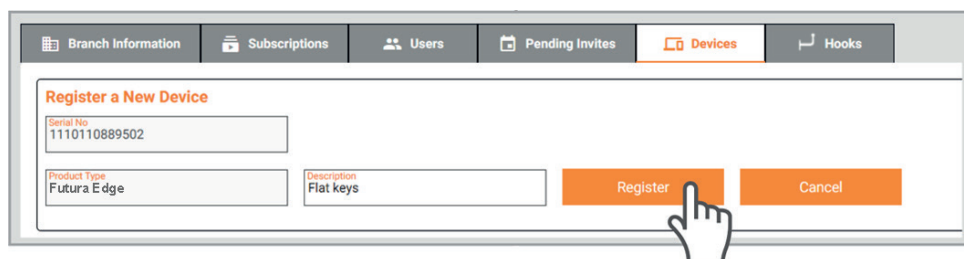
- 1) Select 'Profile' and then go to 'My Devices'.



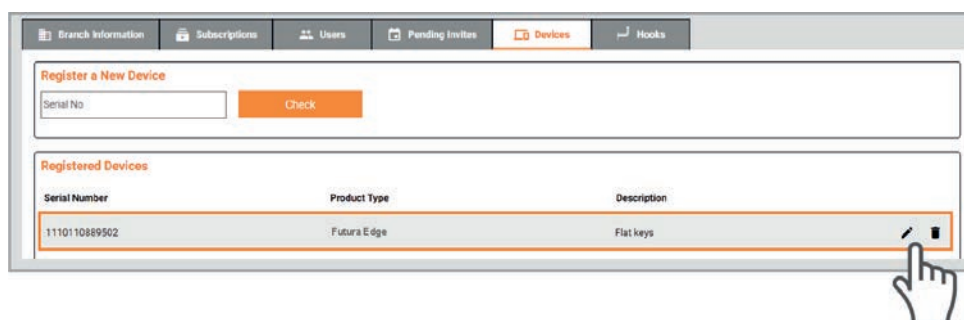
- 2) Enter the machine's 13-digit serial number. Tap 'Check' to confirm.



- 3) MYKEYS Pro recognises the machine automatically. Enter a description and select 'Register'.



- 4) Use the pen icon (bottom right) to edit the description or the trash can icon to remove machine registration.



6.3 MACHINE SOFTWARE UPDATE

Silca periodically releases Software and Data Updates for the machine. To check for new updates use one of the connection methods available.

ATTENTION: Do not insert a USB modem sticks for the transfer of data in the machine USB port.

NOTE: before starting, check that the machine is registered (shown on the Machine Registration screen - on the Tablet scroll from left to right to open the drop-down menu).

Futura Edge can be updated in one of the following ways:

- 1) Update by TABLET
- 2) Update by USB PEN DRIVE
- 3) Update through WI-FI CONNECTION
- 4) Update by SRS (Silca Remote Service) program

6.3.1 Update by TABLET



Fig. 10

ATTENTION: Make sure there is no USB PEN in the Futura Edge machine USB port during updating.

- 1) Take the tablet to a place with a Wi-Fi network and internet connection and connect.
 - On the Tablet scroll from left to right to open the drop-down menu
 - Tap "Update Futura"; the following screen will appear:

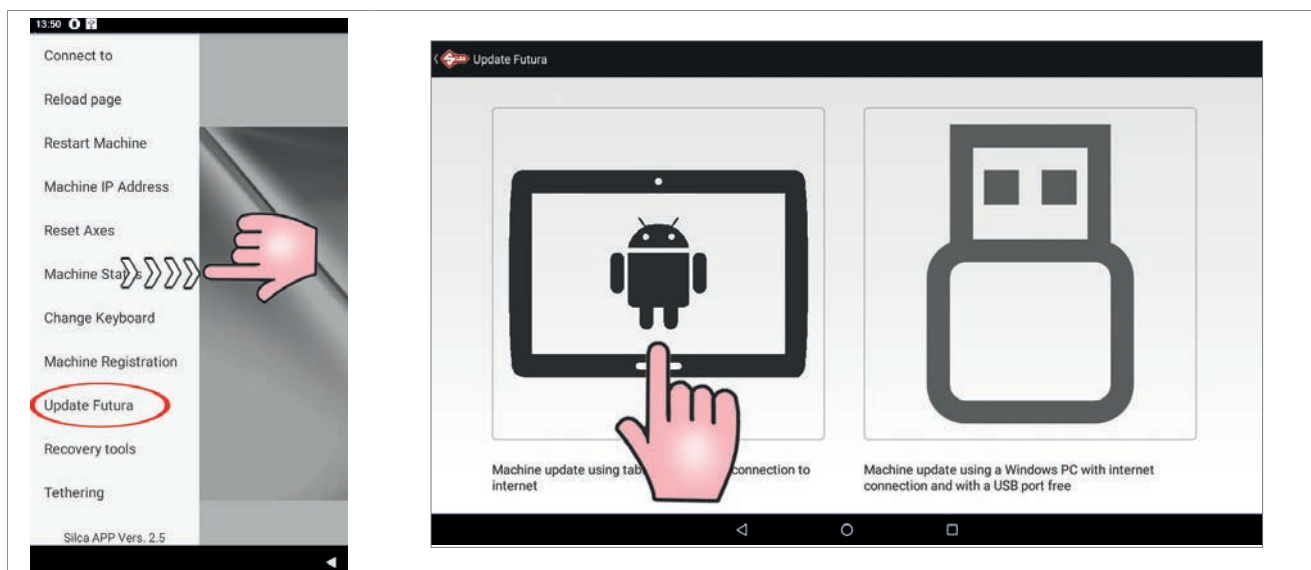


Fig. 11

- Click on the tablet image (Fig.10) and follow the guided procedure (if the tablet is not connected to a Wi-Fi network you will see a screen from which a Wi-Fi network can be selected).

- When the new update has been downloaded you will be asked to re-start the machine so that the update will be applied automatically.
- Press the “Re-start machine” button and wait a few minutes. The tablet will automatically connect to Futura Edge.

6.3.2 Update by USB PEN

This update procedure is used to update the Futura Edge machine using a PC connected to the internet and a USB PEN.

- 1) Select “Update Futura” from the drop-down menu and tap the USB PEN image (Fig. 12). Insert the USB PEN DRIVE into the machine and follow the instructions on the screen.

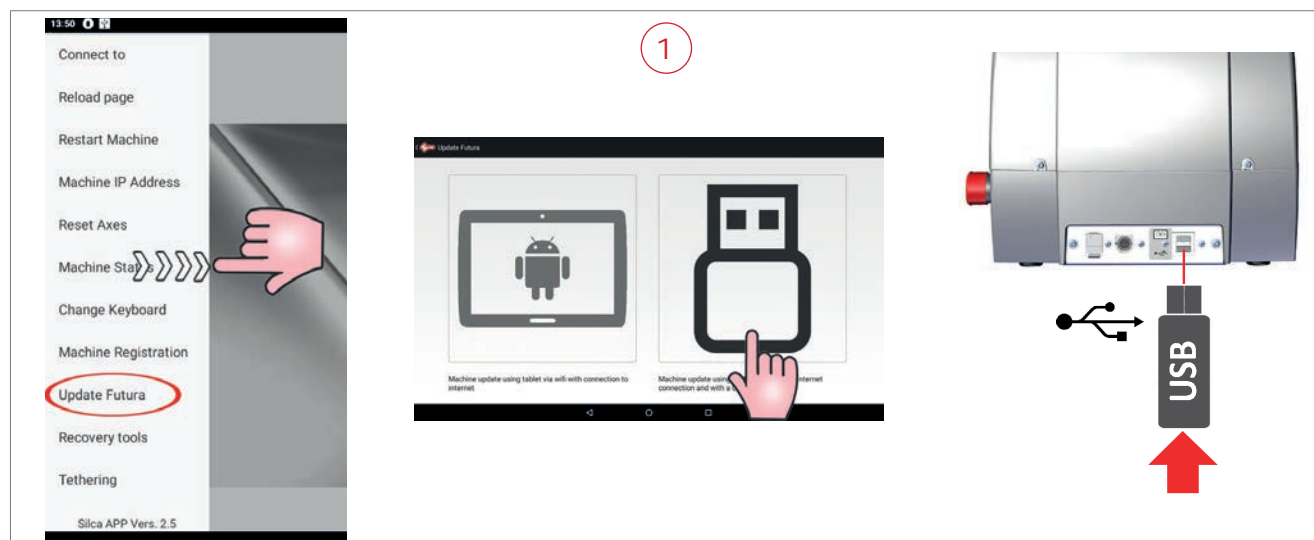


Fig. 12

- 2) Insert the USB PEN DRIVE into a PC connected to the internet (Fig. 13).
 - Open the USB PEN DRIVE, click on the file “**FuturaUpgrade.exe**” and wait for the “operation successful” message to appear on the screen.
 - Remove the USB PEN DRIVE from the PC (safe hardware removal).

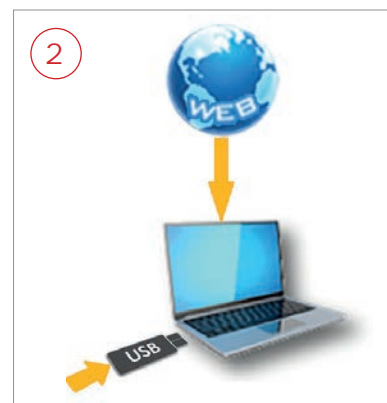


Fig. 13

- 3) Insert the USB PEN DRIVE into the special port on FUTURA EDGE (Fig. 14). Follow the instructions on the screen: tap the “RE-START FUTURA” button to re-start the machine.
 - Wait a few minutes until the white light flashes regularly.
 - Remove the USB PEN DRIVE from the machine (without turning it off). Wait for Futura Edge to re-start (regularly flashing blue light).
 - Start the FUTURA APP from your tablet.

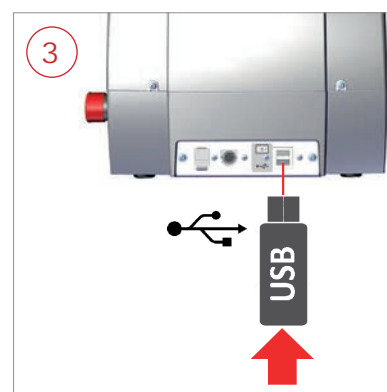


Fig. 14

6.3.3 Update with WI-FI CONNECTION connected to the internet



Fig. 15

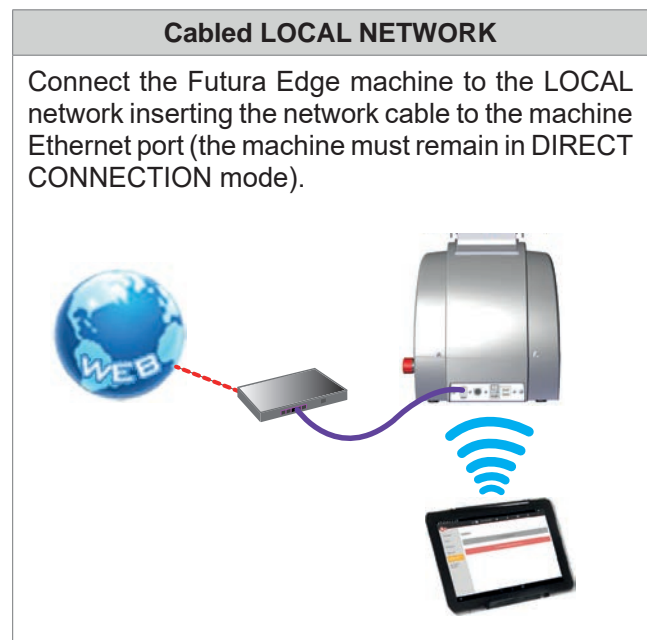


Fig. 16

ATTENTION: Make sure there is no USB PEN in the Futura Edge machine USB port during updating.

To upgrade the Futura Edge machines software in manual mode, follow the steps indicated below.

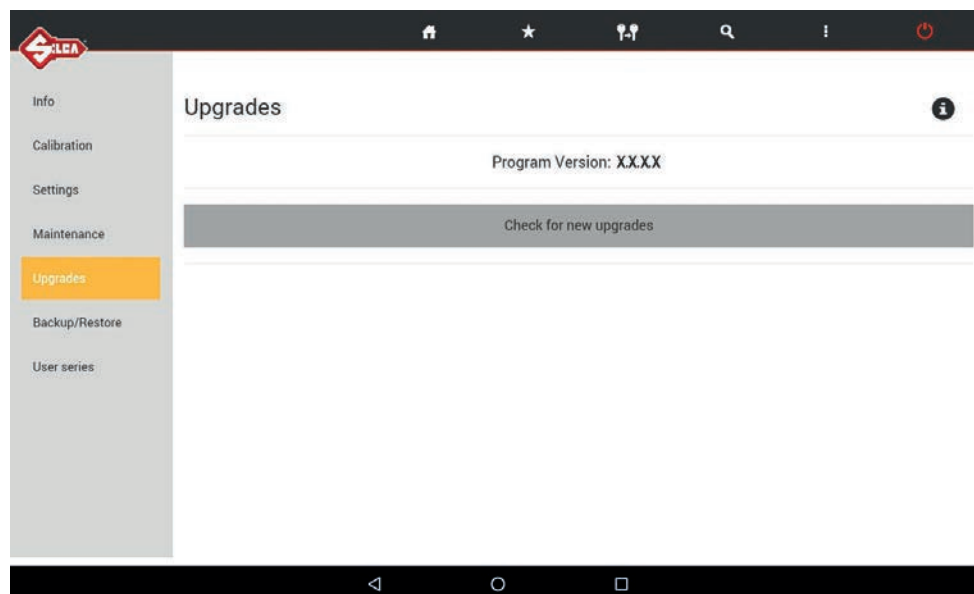


Fig. 17

NOTE: tap  to view machine update methods.

- Tap on "Check for Updates" to get a list of what will be downloaded with the update.

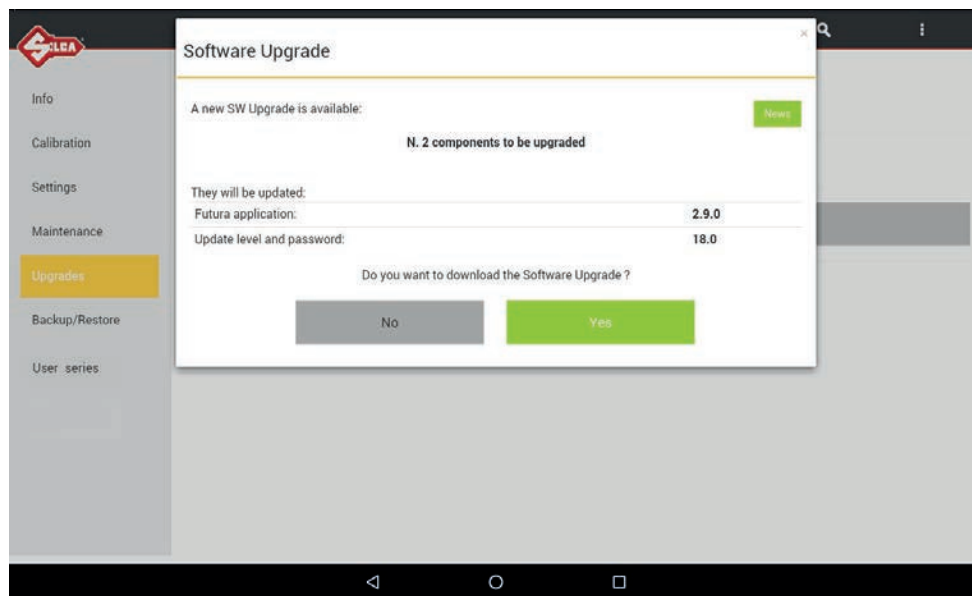


Fig. 18

- Tap “News” to see information about the update to be installed on the machine.
- Tap on “Yes” to start downloading.
- When download is over, you will be asked to restart the FUTURA EDGE machine (procedure run by the software). Follow the on-screen instructions.

6.3.4 Update with SRS Program (Silca Remote Service)

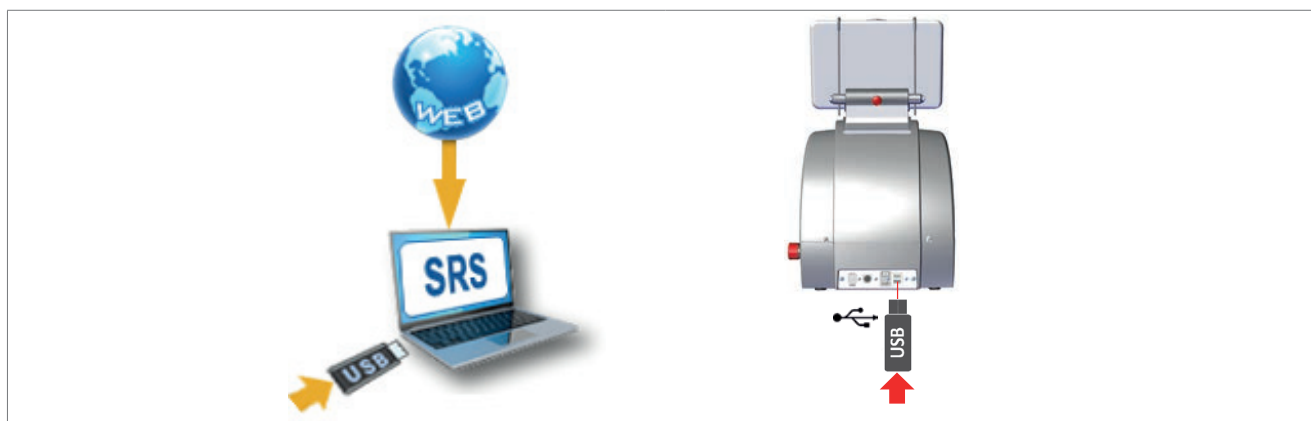


Fig. 19

Install the “Silca Remote Service” program on your PC. The program can be downloaded from the Silca website www.silca.biz, by selecting the menu PRODUCTS & SOLUTIONS -> SILCA SOFTWARE -> SILCA REMOTE SERVICE (SRS).

Silca Remote Service (SRS Module)

Utility for updating programs on board devices in the RW (copying transponder keys) and Optika families, Futura and Easy Scan over the...

More >

The machine can be updated in the following ways:

Method 1 (QUICK update)

QUICK update saves time as it downloads only the files needed.


ATTENTION: you need a blank FAT32/NTFS format USB PEN.

- Fit a blank format FAT32/NTFS USB PEN into the Futura Edge machine and open the machine software; go to the Diagnostics menu -> Log File and press “Save log file” on the USB PEN.
- Fit the USB PEN into the PC on which the SRS program is installed, go to the SRS program screen regarding **QUICK update** preparation and wait for the update file to be saved on the machine. If the machine is not registered you will be required to register using the special website page.
- Ensure that the Futura Edge machine is off (red push button) and that the FUTURA APP on the Tablet is closed.
- Fit the USB PEN into the machine USB port (on the rear of the machine - Fig. 9, page 55).
- Start the Futura Edge machine and wait a few minutes until the white light flashes regularly. Remove the USB PEN (without turning off the machine). Wait for Futura Edge to re-boot (blue light flashing regularly). Start the Futura APP from your Tablet.

ATTENTION: do not unplug or turn off Futura Edge during updating.

Method 2 (TOTAL update)

TOTAL update will download all the files on the machine

Start the program  and select the Futura Edge machine.

ATTENTION: you need a blank FAT32/NTFS format USB PEN.

- Enter the Futura Edge machine serial number into the SRS program screen regarding update preparation and then fit a USB PEN into the PC. Wait for the **TOTAL update** file to be saved on the USB PEN. If the machine is not registered you will be required to register using the special website page.
- Ensure that the machine is off (red push button) and that the FUTURA APP on your Tablet is closed.
- Fit the USB PEN into the machine USB port (on the rear - Fig. 9, page 55).
- Start the Futura Edge machine and wait a few minutes until the white light flashes regularly. Remove the USB PEN (without turning off the machine). Wait for Futura Edge to re-boot (blue light flashing regularly). Start the Futura APP from your Tablet.

ATTENTION: do not unplug or turn off Futura Edge during updating.

6.4 APP UPDATE (Silca.apk and SilcaKeyboard.apk)

After you updated the Futura Edge machine's software, when the program starts up, you may see the following screen indicating that a new version of the **Silca.apk** or **SilcaKeyboard.apk** is available.

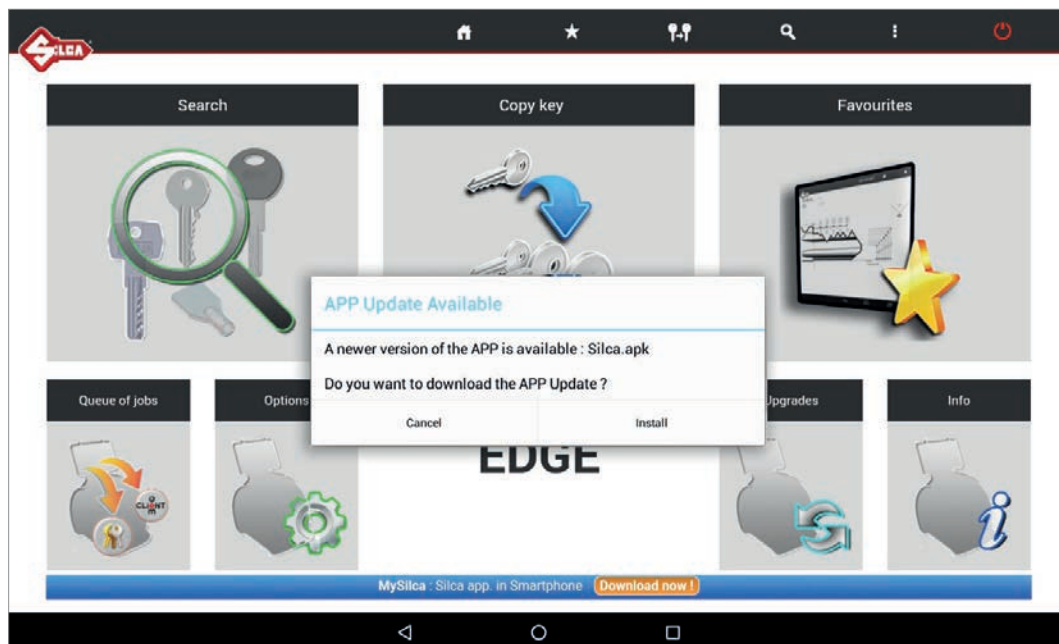


Fig. 20

- 1) Tap on "Install" and proceed with updating the APP.

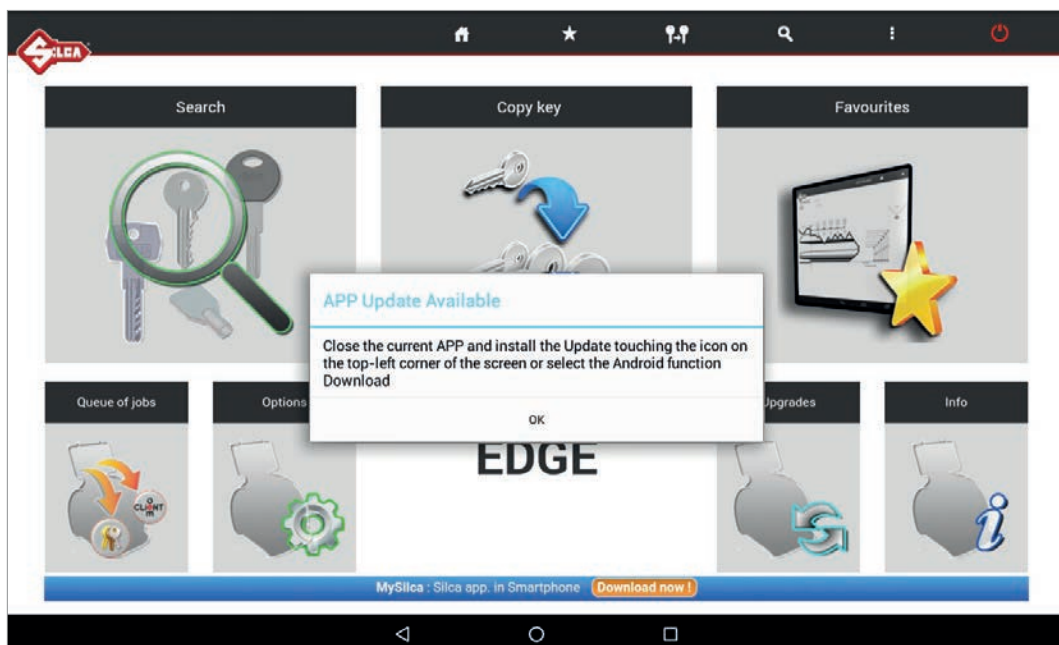


Fig. 21

- 2) Close the application that is opened by tapping on  and dragging the Futura APP downwards off the screen (see Fig. 22).



Fig. 22

- 3) Scroll up from below to see the following screen and select 'Files'.
- 4) Select "Download".

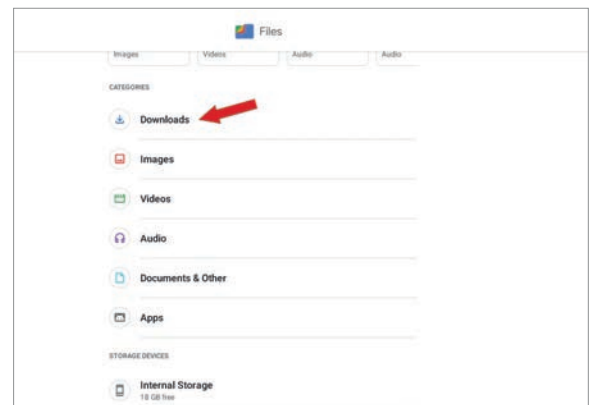
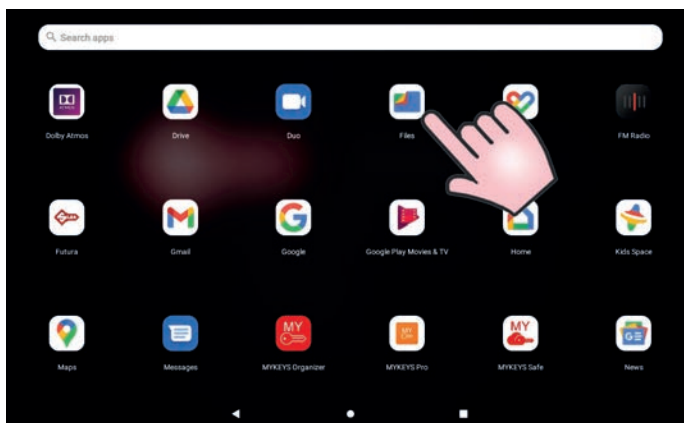
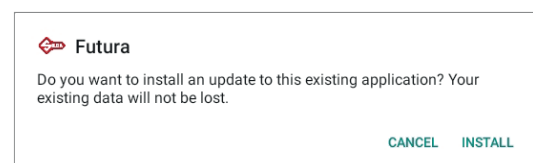


Fig. 23

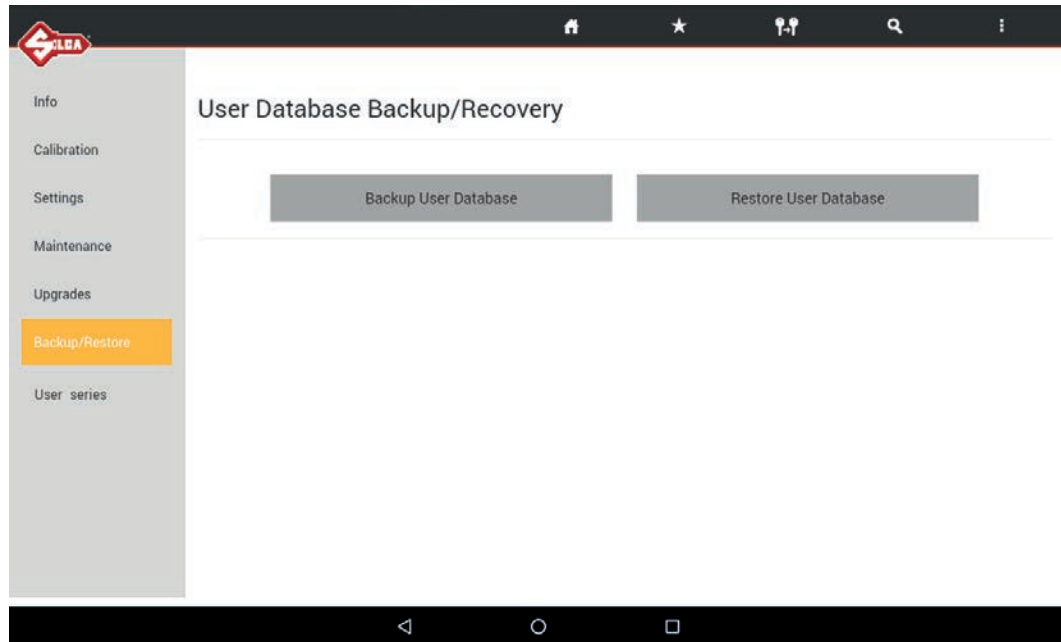


- 5) Select **Silca.apk** and tap on "Install".
- 6) Wait for the update to finish.
- 7) Do the same for upgrading the **SilcaKeyboard.apk**.

7 BACKUP / RECOVERY

This function permits to create and save a backup (backup User database) file in a USB pen that can be connected the machine's USB port (Fig. 9, page 55).

Also provided is the recovery (Restore User database) function always using the USB pen with the last file that was saved on it.

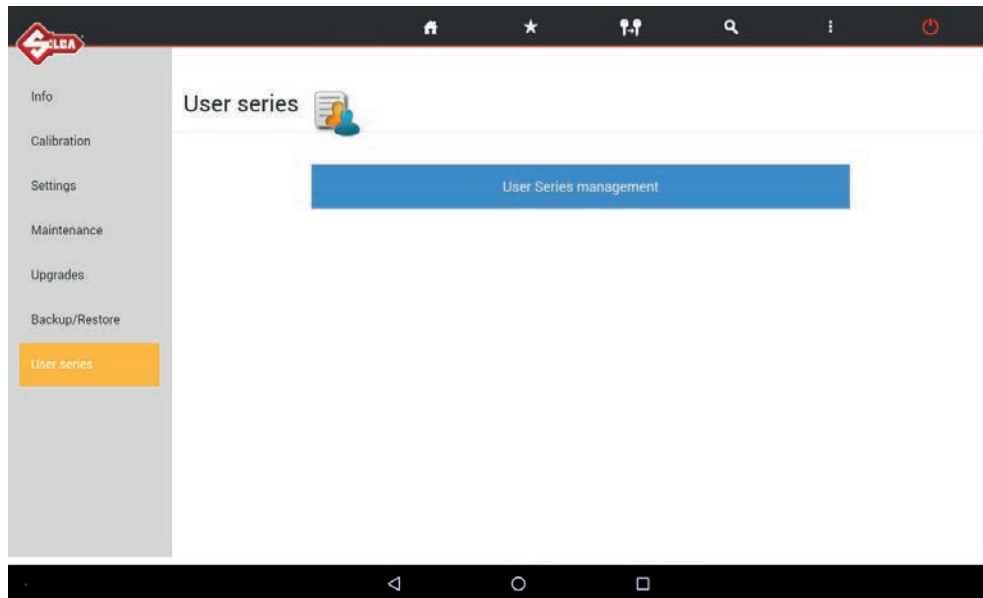


8 USER SERIES

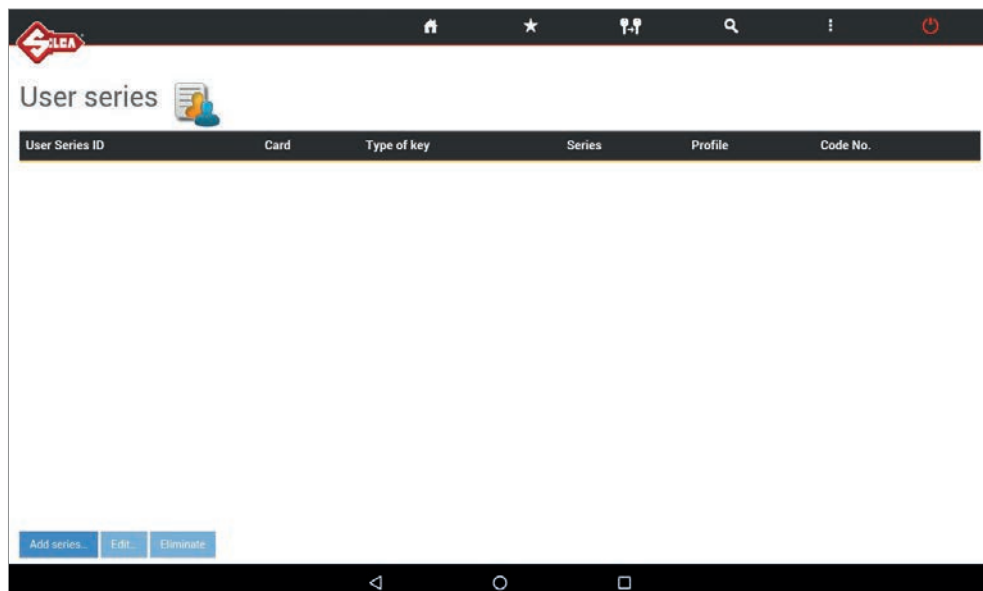
Function accessible from “Options => User Series”.

This function is available to the user to import a code table in XML-Keso, CSV, TXT format, associating it to a data card and thereby creating a new user series.

- Use a USB-PEN, FAT32/NTFS format, and copy onto it the file (or files) with the table to be imported. **Note: the file must not be in a folder.**
- Insert the USB-PEN into the Futura Edge USB port (Fig. 9, page 55).



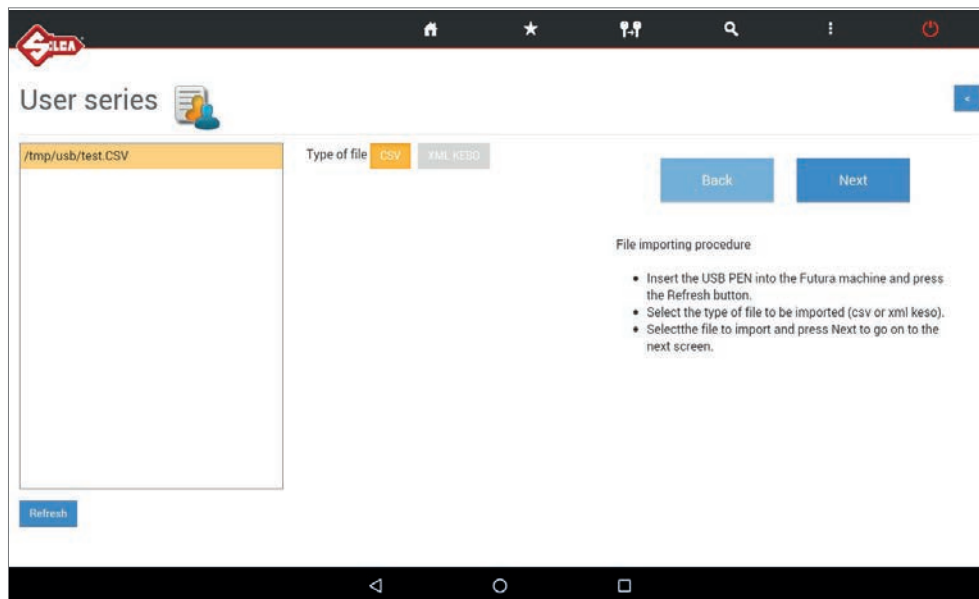
To create the user series, tap “User Series Management”.



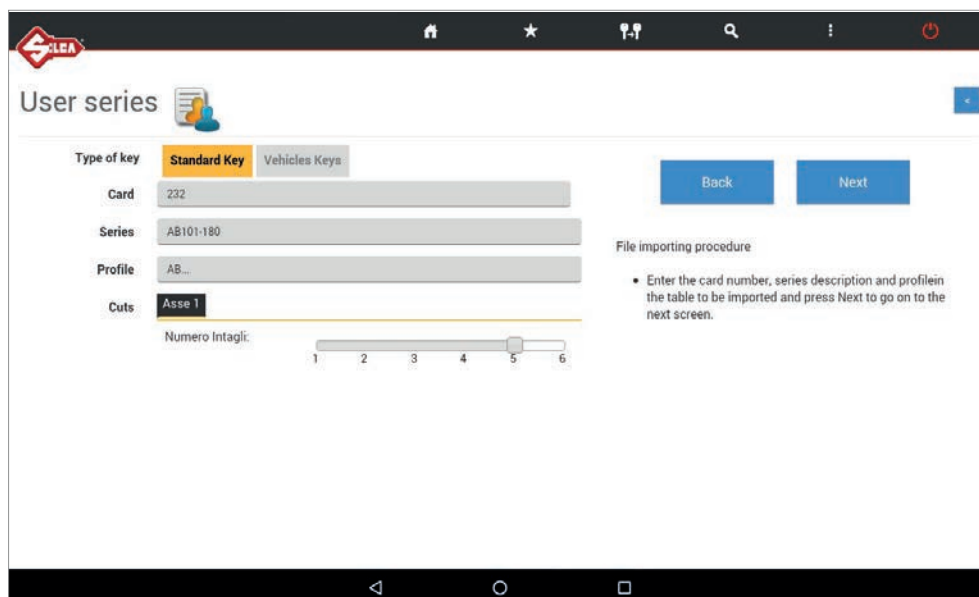
Tap “Add Series” to import the new file.

When the User Series exists and is selected/highlighted you can:

- Tap the “Edit” key to vary certain parameters associated to the series.
- Tap the “Eliminate” key to erase the selected series.



- Follow the instructions on the Tablet page. During guided import you will be required to enter or select certain parameters to associate to the new series (e.g. Data card number, Profile, Series, Makes, Applications and Key blank).
- Tap "Next" to continue.



User series

Makes Available

SH-B	
SHOWA	
SIAM	
SICMA	
SIEBAU	
SIEM	
SILCA	
SIMECA	
SIMPLEX	
SINJET	
SIPEA	
SIS	

Makes Selected

SILCA

Back Next

File importing procedure

- Select one or more makes from those available.
- and use the arrows to move them into the right-hand column. Press Next to go on to the next screen.

User series

Applications Available

PIAGGIO VESPA	
PUCH	
RIZZATO (CYCLES)	
SWM	
TESTI	
YAMAHA (CYCLES)	
CYLINDERS (VARIOUS MAKES)	
LOCKS (VARIOUS MAKES)	
CISA PADLOCKS	
FILLERCAP (VARIOUS BRANDS)	
FIRMITURE / VARIOUS	

Applications Selected

LOCKS (VARIOUS MAKES)

Back Next

File importing procedure

- Select one or more applications from those available.
- Use the arrows to move the Applications into the right-hand column and then press Next to go on to the next screen.

User series

Blanks Available

CS206	
CS206	
CS206BZ	

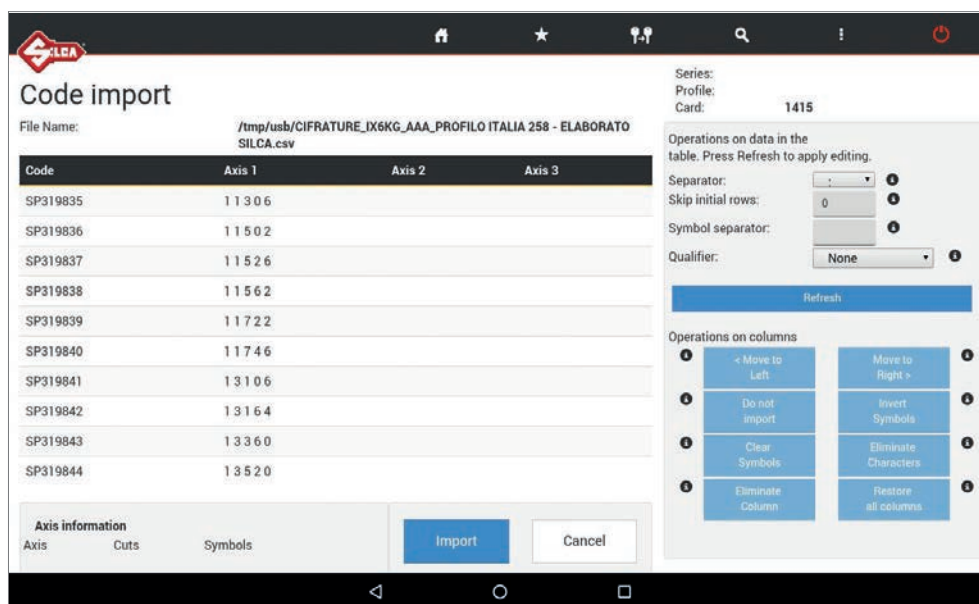
Blanks Selected

CS206

Back Next

File importing procedure

- Enter the name of the blank (if applicable) to make a search.
- Use the arrows to move the blanks into the right-hand column and then press Next to go on to the next screen.



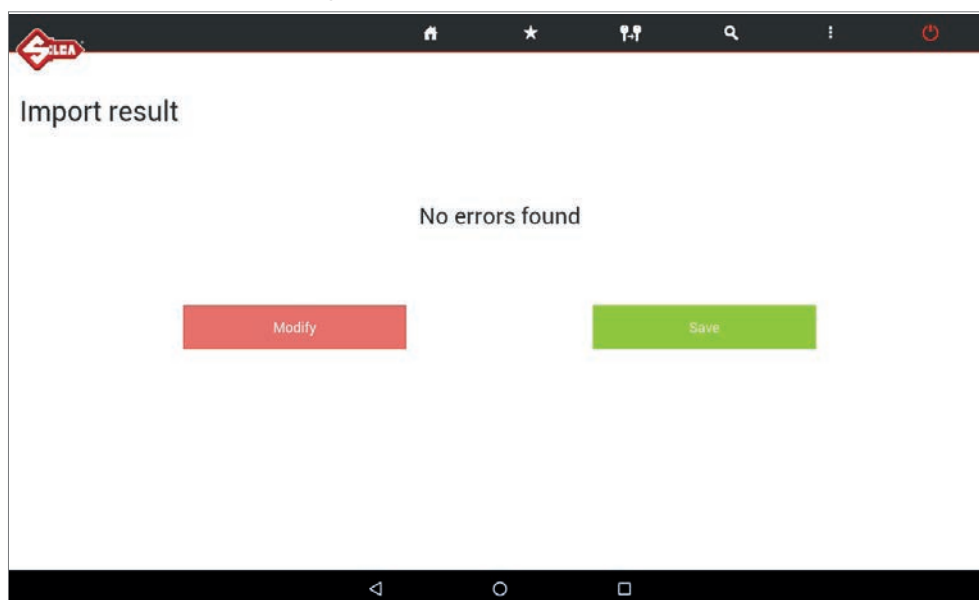
- Tap "Import" to import the file directly without editing.

NOTE: only if necessary, before terminating table import you can edit certain parameters using the menu on the right (Operation on data in the table and/or Operations on columns).

NOTE: tap  to view information about the field.

- After editing the parameters "Operation on data in the table" tap the "Refresh" key".
- After carrying out operations in the columns, tap the "Import" button to start importing the files.

At the end of the operations the following screen will appear:



- Tap "Save" to save the new User series.
- Tap "Modify" to make changes.

9 CODE MAKER

The Code Maker function (option to buy) is used to create a new data card with user-definable cutting parameters.

An explanation of how to use the data card parameters is given in the User Data Card guided creation procedure.

When the data card has been created the program proposes the creation of a User Series which also serves as a link to a personal code table.

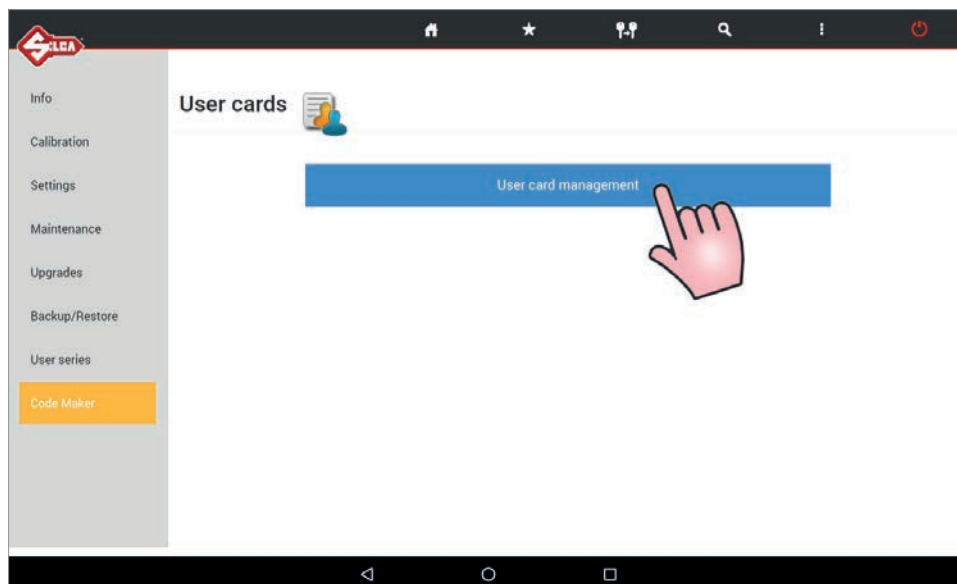
Note: new data cards can be created using the accessories, cutters and clamps listed below:

Data cards for FLAT/STANDARD keys

Clamp to be used: **01V** or **01VJ**

Cutter to be used: **01F**

Note: Code Maker may use other accessories in the future.




10 CHANGING TABLETS

ATTENTION: TABLET 10.1 ONLY

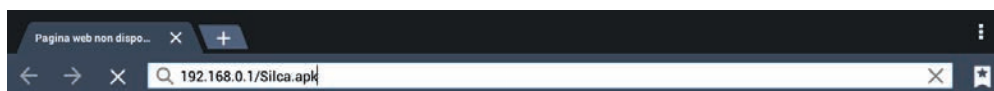
If a new Tablet is to replace the previous one, download/install the Futura APP. and the customized “Silca Keyboard”.

Proceed as follows:

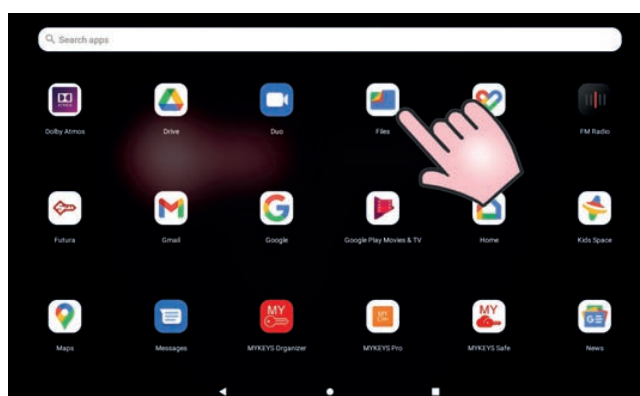
- 1) Connect the tablet <=> FUTURA in DIRECT CONNECTION mode (Ch.5.3.3.a).
- 2) Open the browser CHROME  (the CHROME icon is in the APPS page) and enter the following addresses:

192.168.0.1/Silca.apk to download the APP

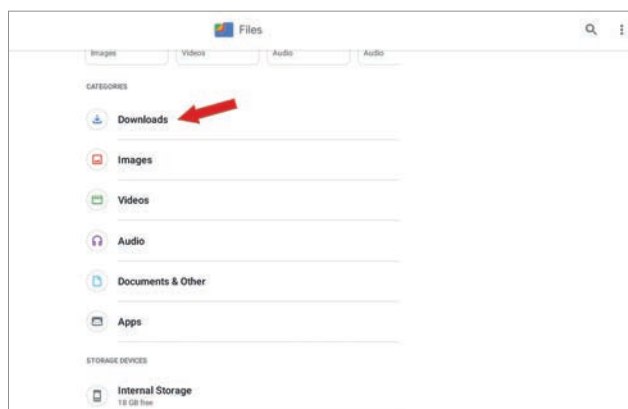
192.168.0.1/SilcaKeyboard.apk to download the keyboard



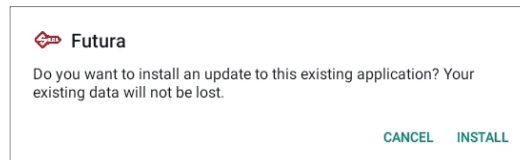
- 3) Scroll up from below to see the following screen and select “Files”.




- 4) Select “Download”.

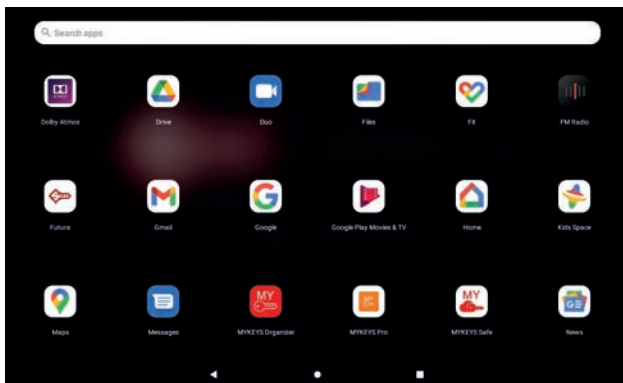


5) Tap on the 2 apps just downloaded for installation.



After you install the new FUTURA APP you should move the Silca FUTURA application icon  to the main screen.

1) Scroll up from below to see the following screen:



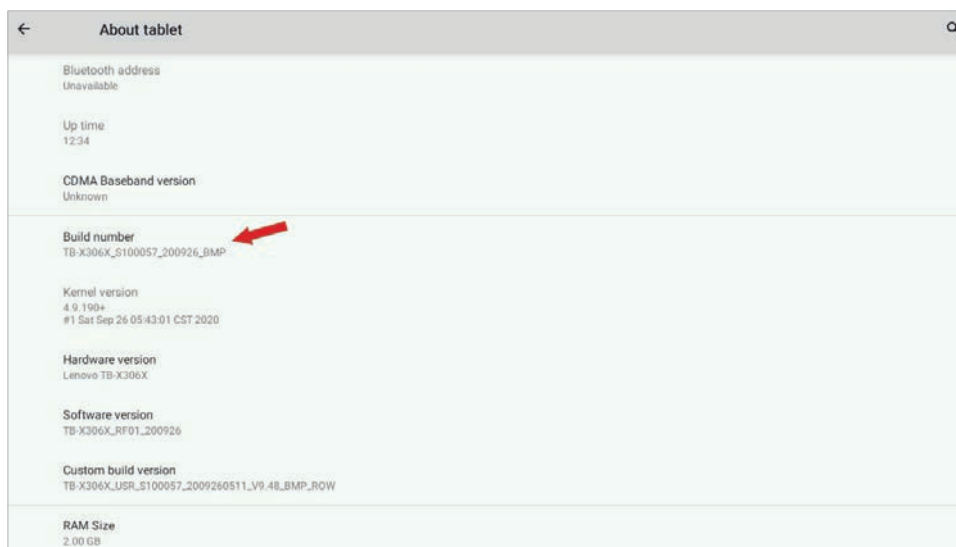
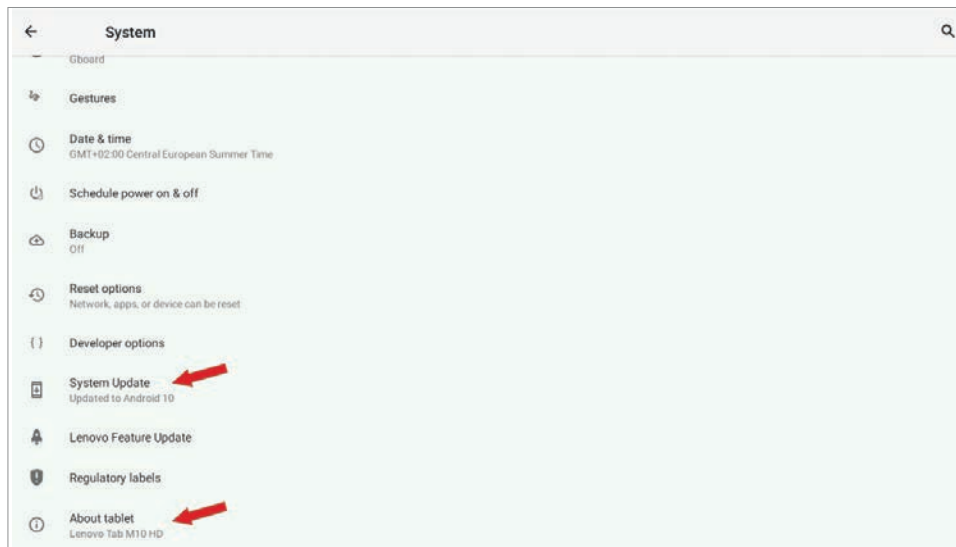
2) Search for “Futura” icon



3) Tap and hold (keep pressing) the Silca Futura application icon and drag it to the main screen.

10.1 PROCEDURE TO PERMANENTLY ENABLE USB TETHERING (RECOMMENDED)

- 1) Go to SETTINGS -> SYSTEM and check that the Android version is **9.0** or later.
- 2) Cliccare su **"About Tablet"** and press repeatedly on **"Build Number"** to release the **"Developer options"**.
A counter will confirm enabling.



- 3) Access **"Developer options"** and go to **"Default USB Configuration"**.
- 4) Open the function and select **"USB Tethering"**.

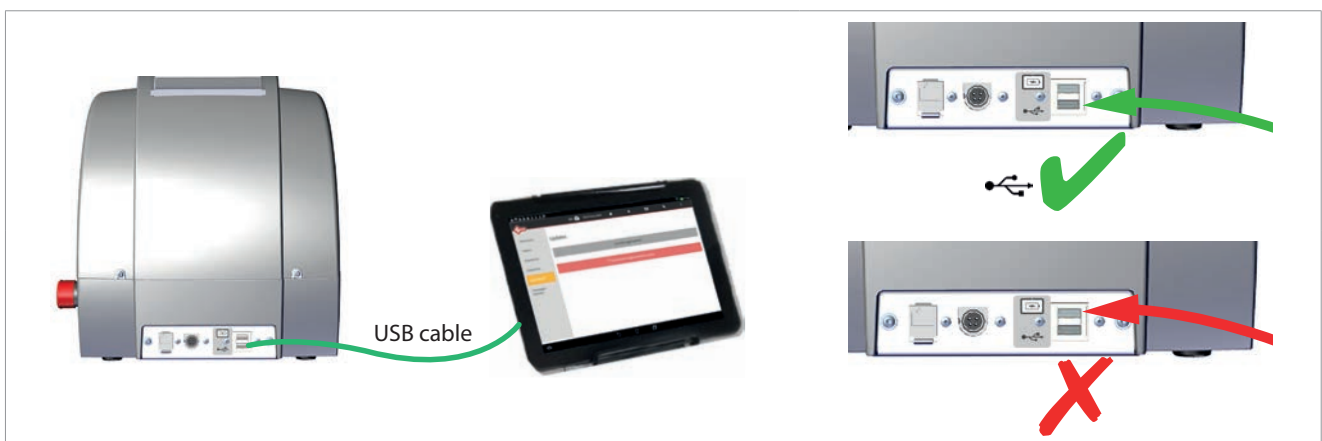
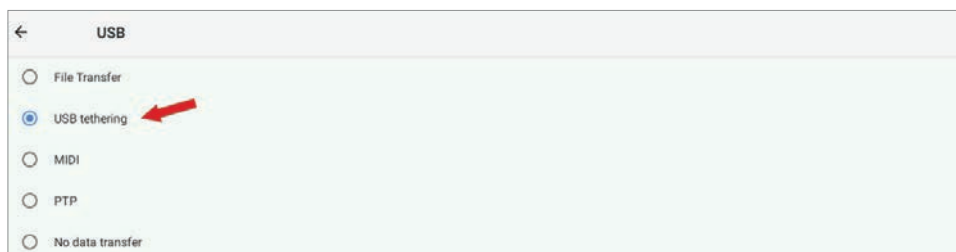
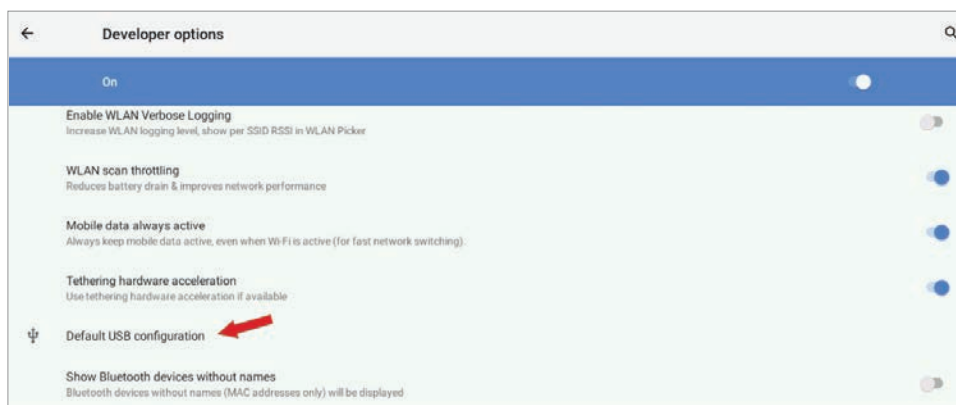
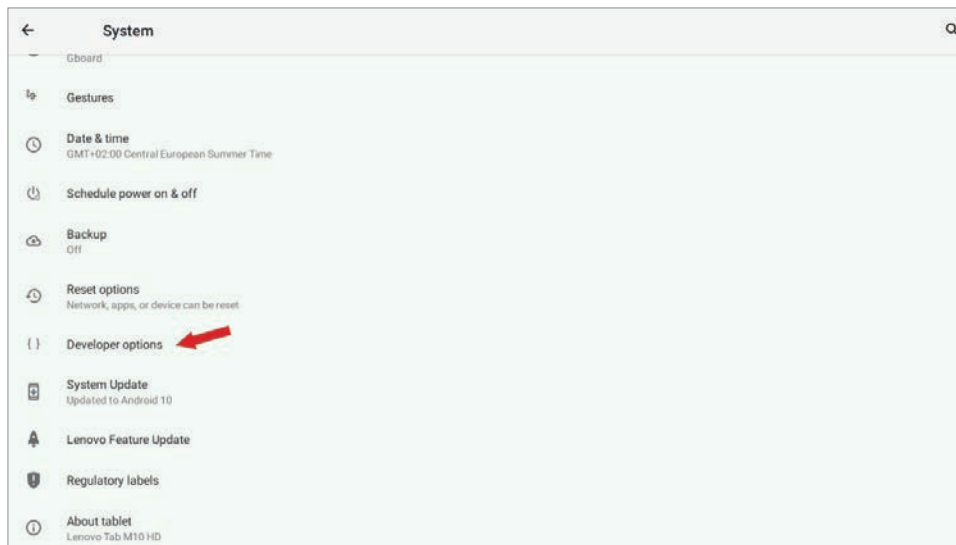
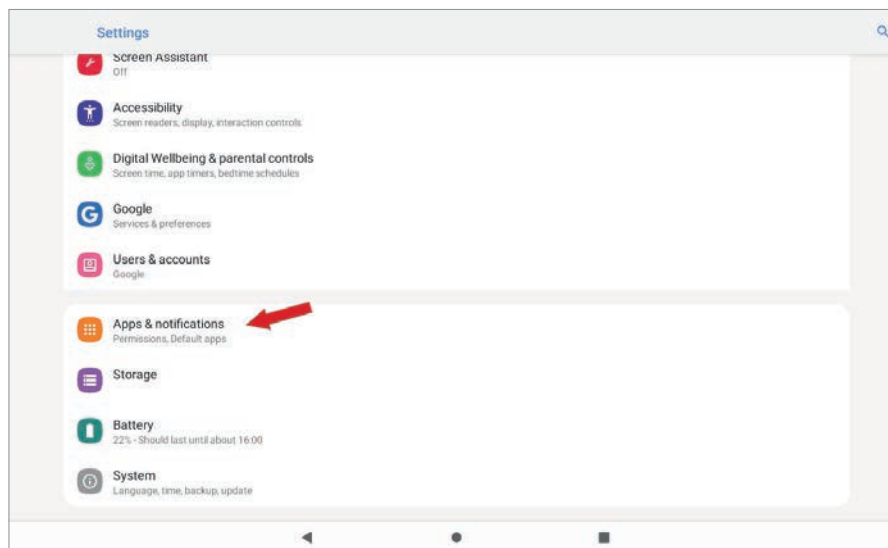


Fig. 24 - Tethering USB

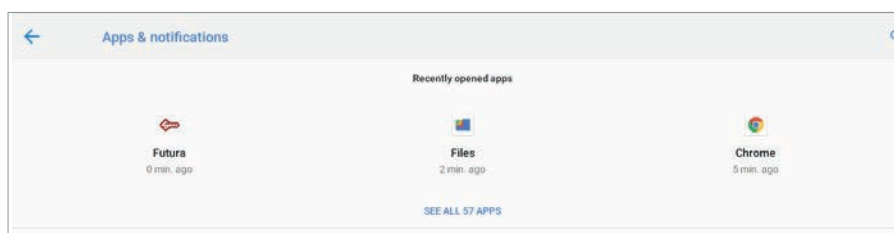
11 FUTURA PROCEDURE TO CLEAR CACHE

Clearing the FUTURA APP Cache is recommended to improve the performance of the FUTURA APP.

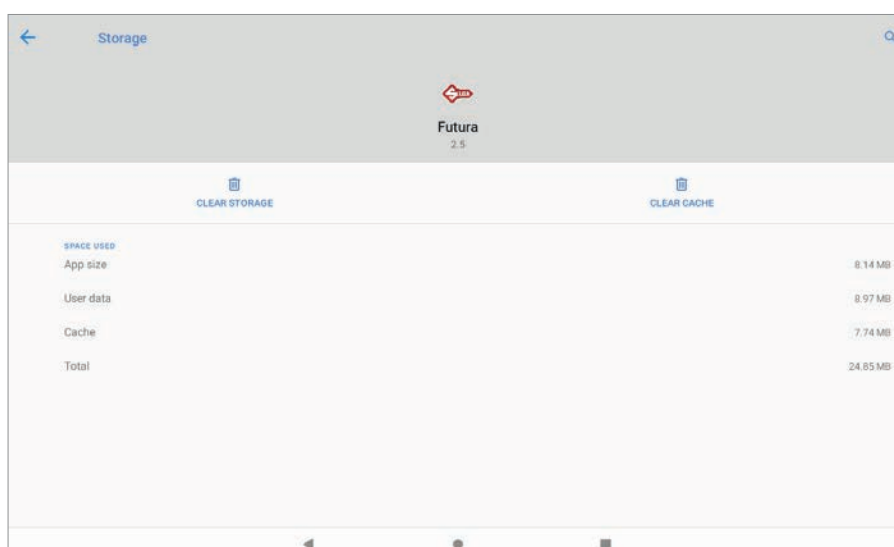
1) Entering the Android Tablet Settings .



2) Tap on “APPS” and then “FUTURA”.



3) Enter “Storage” and tap on “CLEAR CACHE”.



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On request Silca will provide a DVD with the GPL code included in the FUTURA product.

To make the request contact SILCA at the following address:

SILCA S.p.A.

Via Podgora 20

31020 Vittorio veneto

Italy

Email: service@silca.it

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