

## iLOQ S50 Huawei Application User Guide

## Introduction

The iLOQ S50 Mobile App for Huawei phones is a digital key that allows you to use your Huawei phone to open the iLOQ S50 NFC locks that you have valid access rights to. The access rights are sent to your phone and managed remotely over the air by a locking system administrator. This guide helps you get started with the app and walks you through its functions.

## 1 Installing the app

The iLOQ S50 Mobile App for Huawei works in most NFC-enabled Huawei phones running the Android OS. However, considering the great variety of form factors and designs in different phone models affecting NFC performance, it is not guaranteed that the app works seamlessly in all Huawei phones. Therefore, it is recommended to test the application in your phone before taking it into full use.

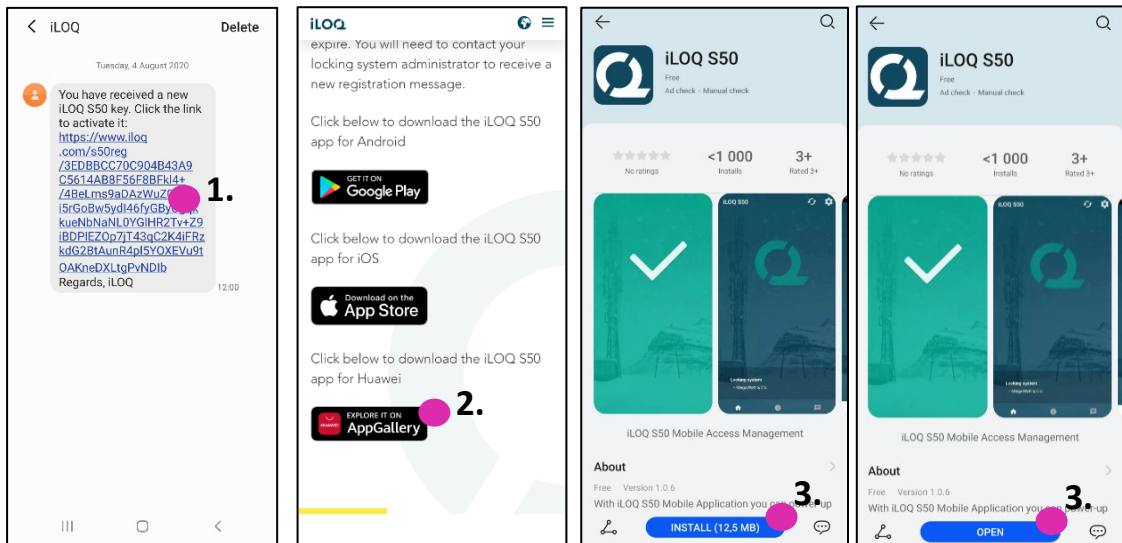
Before installing the app, make sure that:

1. Your phone is NFC compatible.
  - a. NFC is required for lock opening.
2. Your phone is not rooted.
  - a. Rooting exposes devices to security threats. The iLOQ S50 Mobile App cannot be installed and used in rooted devices.
3. Your phone operating system is running the latest available version.
  - a. This is to ensure your phone is protected by the latest security patches. For security reasons, it is important to always keep the operating system updated to the latest version.

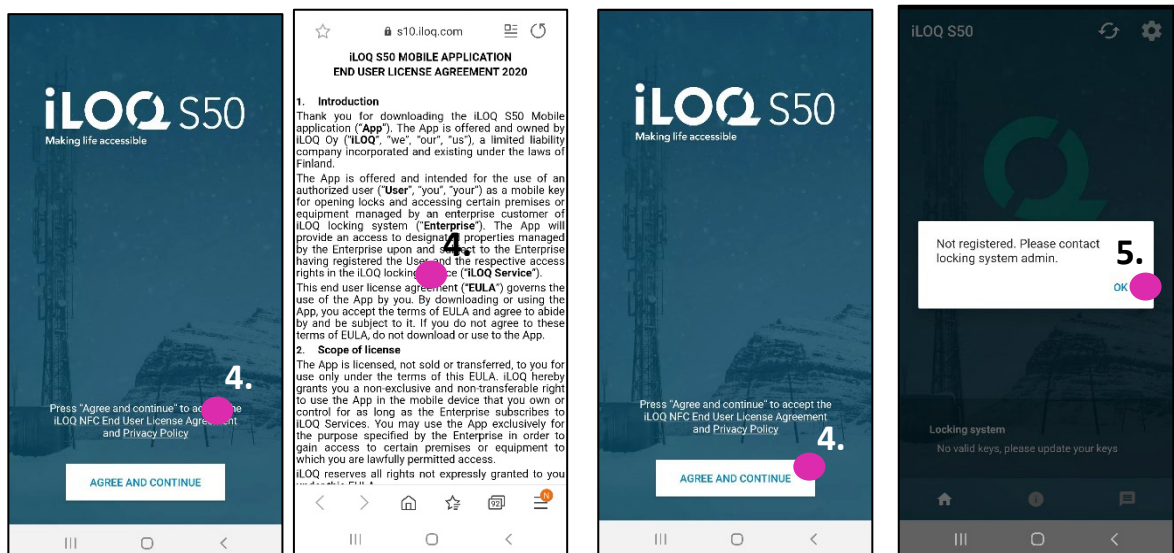
The iLOQ S50 Mobile App is free to install from the Huawei AppGallery. Note: you must have a Huawei account on your device to install apps from AppGallery. After installation, the app must be registered as a key to a locking system before it can be used.

## 1.1 Installing the app from iLOQ's registration message (SMS or email)

1. Open the iLOQ registration message and press the link. The instruction page opens in your default browser.
2. Press the *EXPLORE IT ON AppGallery* button. You will be directed to the iLOQ S50 app installation page on AppGallery.
3. Press the *INSTALL* button. Once the app has been installed, press the *OPEN* button.



4. Read the EULA and Privacy Policy. After reading both documents, navigate back to the app and press *AGREE AND CONTINUE* to accept the terms and proceed to the app.



5. The app opens and shows *Not registered*. This is because the app is installed but has not yet been registered as a key to any locking system. Press *OK*. Continue to chapter 1.3 *Configure the app to handle registration links*.

## 1.2 Installing the app directly from AppGallery

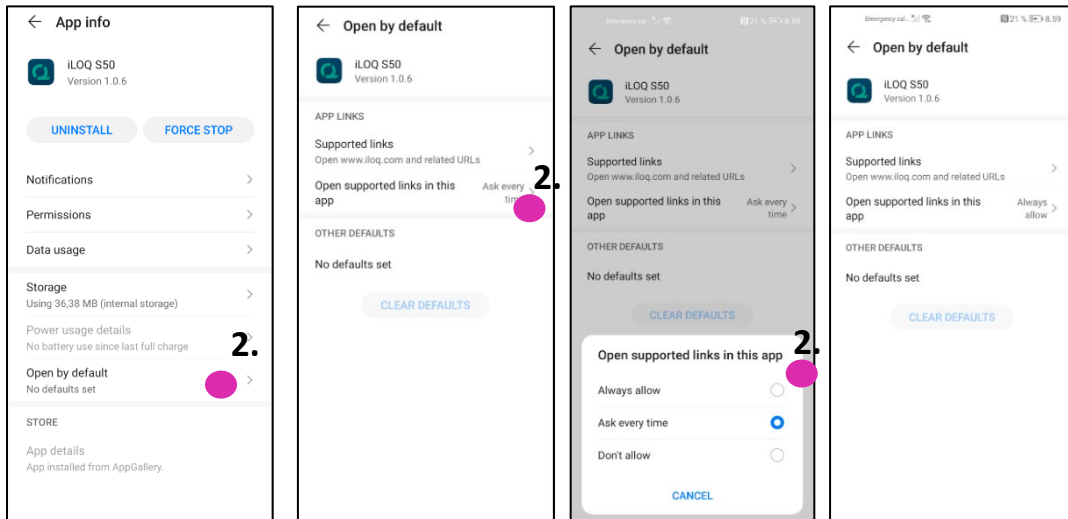
You can also install the app directly from AppGallery instead of installing it from the registration message.

1. Open AppGallery
2. Search for “iLOQ S50” and click the app icon
3. Follow steps 3 - 5 described previously in chapter 1.1

## 1.3 Configure the app to handle registration links

Registering your phone key to a locking system is done via registration links sent by SMS or email. In Huawei phones, to ensure registration succeeds, the app must be configured to open app-supported links. Proceed as follows to configure the app to always allow app-supported links:

1. Go to Settings and select iLOQ S50 from the list of apps
2. Select *Open by default* > *Open supported links in this app* > *Always allow*

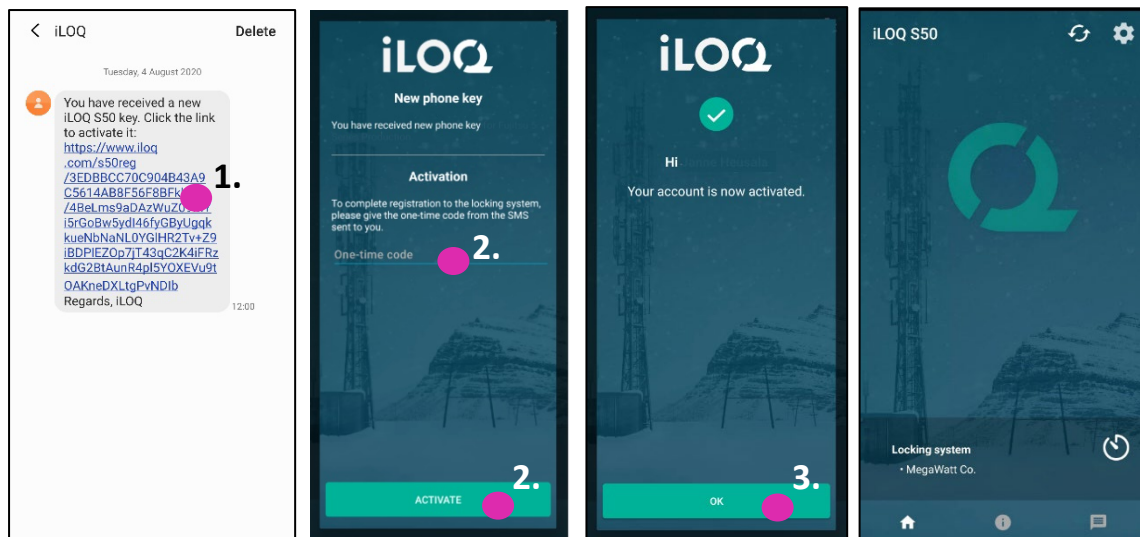


Note: This setting must be enabled every time the app is uninstalled and then re-installed to the phone.

## 2 Registering the app as a key to a locking system

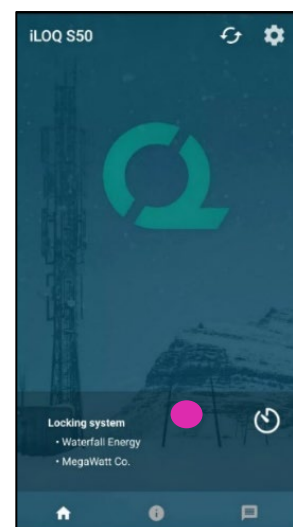
Before the installed app can be used, the app must be registered as a key to a locking system. The registration is always initiated by a locking system administrator who sends you a registration SMS or email. If you are registering the app to a particular locking system for the first time after installing it, in addition to the registration message, you will also receive an activation code by SMS or email. When you have received the registration message, follow the steps below:

1. Open the iLOQ registration message and press the link. The app opens.
2. If this is the first registration to a particular locking system after installing the app, the app will ask for an activation code. Enter the one-time activation code that you received in a separate SMS or email and press **ACTIVATE**
3. If the entered one-time code was valid, your phone key is now activated. Press **OK**. The app is now ready for use.



### 2.1 Registering the app to multiple locking systems

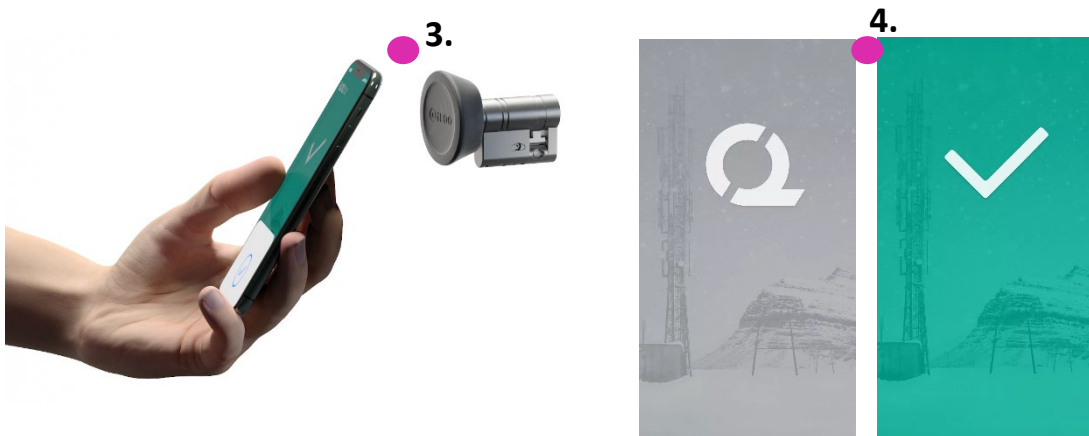
It is possible to register the app as a key in up to four different locking systems. The registration to additional locking systems works in the same way as for the first locking system. Follow the steps described above to register the app as a key to other locking systems. The locking systems to which the app is registered as a key are listed in the *Locking systems* view on the bottom of the screen.



### 3 Opening locks with the app

Access rights determine which locks can be opened with the app, at what times and with what conditions. User's access rights are defined by the administrator in the locking system management software and given to the app during registration. The administrator can trigger forced updates to access rights at any time. For security reasons, the app does not show which locks it has access to. You can get this information from your locking system administrator. To open a lock with the app:

1. Make sure your phone's NFC is switched on.
2. Open the iLOQ S50 Mobile App. If there are updates pending for the phone key, the app starts to update the key. Wait until this process is completed and then continue to the next step.
3. Place your phone's NFC antenna area close to the lock's antenna knob.
  - To check the location of the NFC antenna, refer to your phone's operating instructions or contact the manufacturer.
4. When the app starts to communicate with the lock, the screen turns to gray. Hold the phone still until the app shows the green opening screen indicating successful opening. The internal locking mechanism of the lock is now activated, and you can open the lock.



#### Notes:

The communication time (gray screen) may be a little longer if the app has a programming task, an audit trail fetching task for the lock, or if the lock is configured to require server validation from the key during opening. If the lock is configured to require server validation from the key, the phone must have a network connection.

Locks can be opened with the app also when the app is in the background, i.e., without bringing the app to the foreground. However, there are some scenarios where it is necessary to open the app and refresh keys from the server before opening the lock. These scenarios are:

- The phone has been restarted
- The key expiry interval has elapsed. Read more about the key expiry interval in chapter 4.

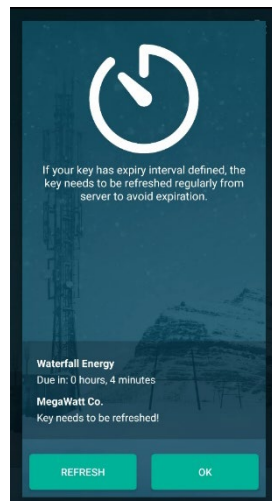
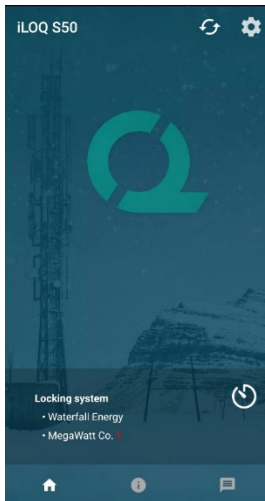
In the above scenarios, open the app and press the Refresh button to refresh the keys.

## 4 Key expiry intervals

The locking system administrator may set a key expiry interval for your key. The key expiry interval is a security feature that requires the user to refresh keys from the server at regular intervals to ensure that the access rights are always up to date.

If a key expiry interval is set for your key, you will see a red exclamation mark next to the locking system name. The key expiry interval is a locking-system-specific setting. If the app has been registered as a key to multiple locking systems, some locking systems may have key expiry intervals set whereas others may not. There can also be different expiry intervals set in different locking systems.

To check the key expiry details for each locking system, press the key expiry interval button (clock icon) in the *Locking system* view.



Pressing *OK* returns to the main screen without refreshing keys from the server.

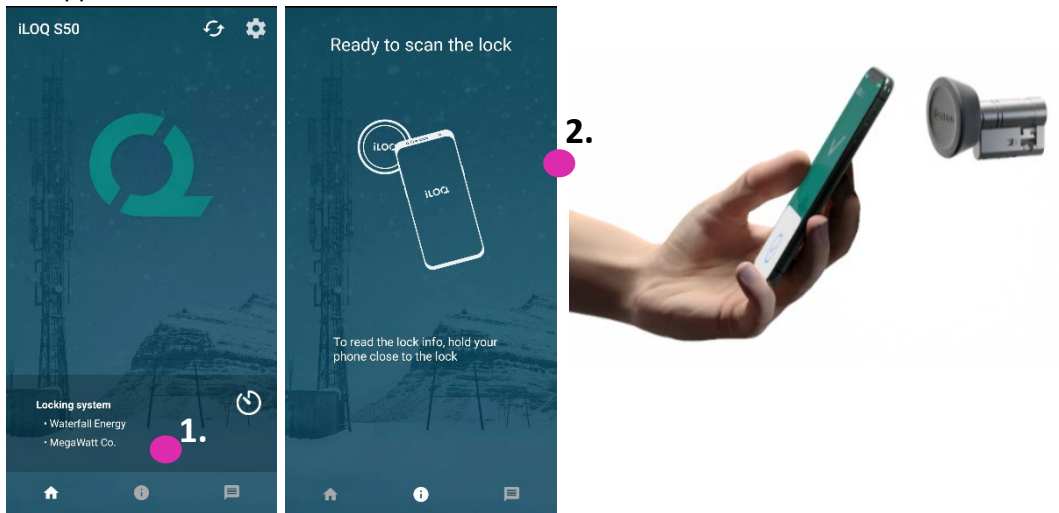
Pressing the *REFRESH* button refreshes keys from the server and resets the expiry interval counter for all locking systems.

## 5. Reading lock information with the app

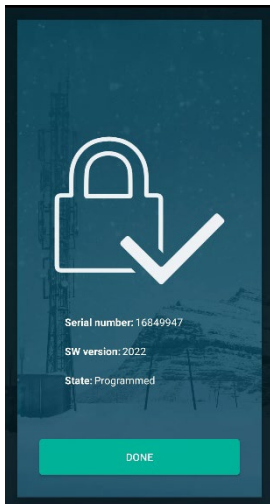
In addition to opening locks, you can also use the app for reading lock information such as the lock's serial number, software version and programming state.

To read lock information:

1. Press the info button (*i* icon)
2. Place your phone's NFC antenna area close to the lock's antenna knob. Hold the phone still until the app shows the lock information.



3. Press *DONE* to exit from reading the lock information or scan another lock by repeating step 2.



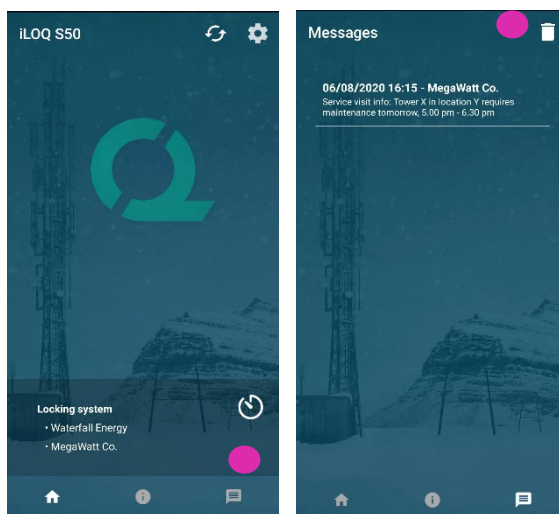


## 6. Locking system admin messages

The locking system administrator can send messages to phone key users from the management system. Messages can be, for example, general information sharing, additional information related to received keys, etc. Messaging in the app is one-way, which means that the app can receive admin messages from the management system, but you cannot reply to them.

To view received messages:

1. Open the app
2. Press the message icon to view received messages



You can delete messages by pressing the trash can icon on the top-right corner of the *Messages* view. Note: all messages will be deleted at once.