

IMAporter MobileAccess Key

Application for RSW.0x readers
with NFC and BLE technology
iOS version



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1 About the app IMAporter MobileAccess Key

IMAporter MobileAccess Key is a user identification application used to communicate with the reader to identify the user.

The app is available for Android and iOS mobile platforms. Please find download link for app on the last page of this guide.

iOS app version enables the following methods of identification:

BLE (inside the app)	necessary to open the app and choose an available door/reader
NFC	need to launch the app and bring the device close to the reader

After installing the app, it is necessary to introduce the IMAporter MobileAccess Key, which the user receives from the system administrator.

1.1 Receiving the IMAporter MobileAccess Key

The IMAporter MobileAccess Key is created by the ACS administrator and sent to users via email. The variant communication platforms for system administrators to enter mobile keys depend on the access control system installed.

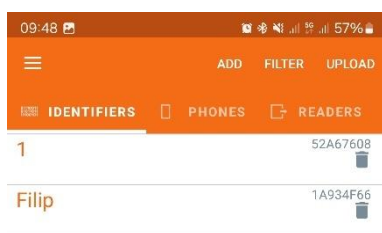


Figure 1: Mobile Admin Platform on your mobile phone



Figure 2: CSI Platform on your PC

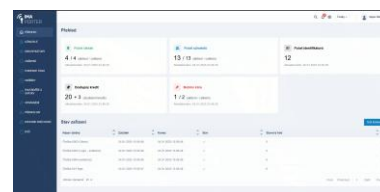


Figure 3: IDcloud Platform on your PC

The user receives an email message with an activation code, a link to download the IMAporter MobileAccess Key app (with automatic platform recognition) and a simple description.

If the user enters a contact phone number instead of an email, they will receive a one-time activation code after entering it in the IMAporter MobileAccess Key application.

Enrolment of a prepared key is very intuitive, and the app will guide the user through the process. The procedure is fully described in the respective chapters of this manual.

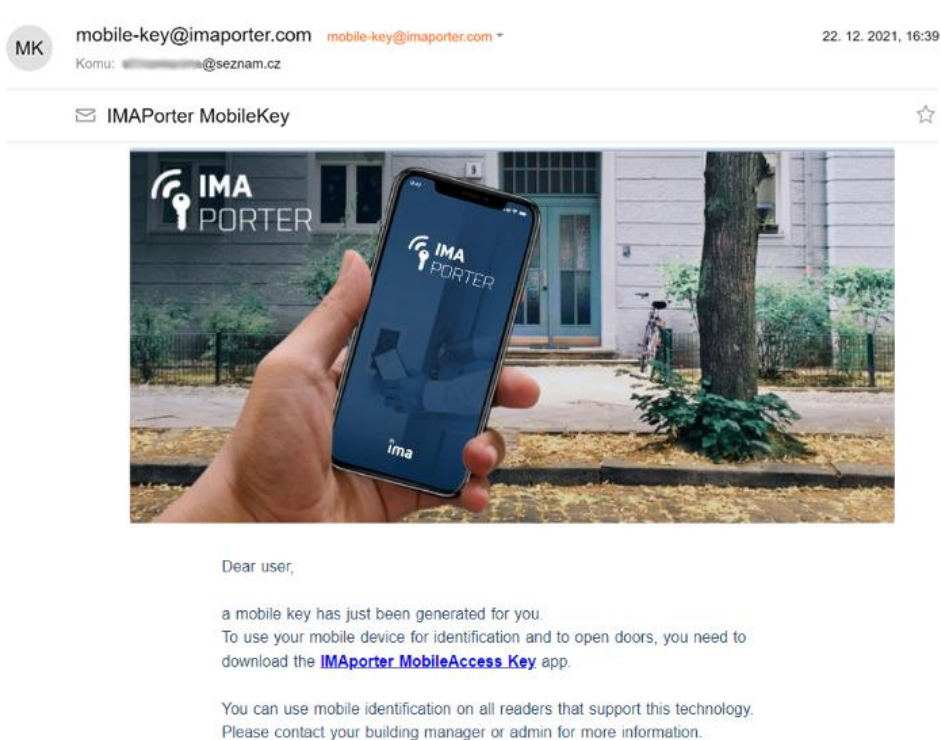


Figure 4: E-mail informing the user about the mobile key and its activation code



Figure 5: Activation code in the form of a QR code for easy scanning

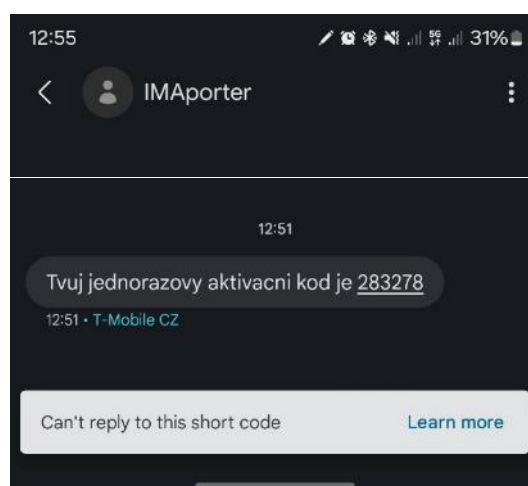


Figure 6: Text message (SMS) with one-time activation code

If you have received an **email** or **SMS** notification of a ready mobile key, you can proceed to download the **IMAporter MobileAccess Key** app.

The first time you launch the app, you will see the home screen, continue the app by clicking **ADD MOBILE KEY** on the next screen.

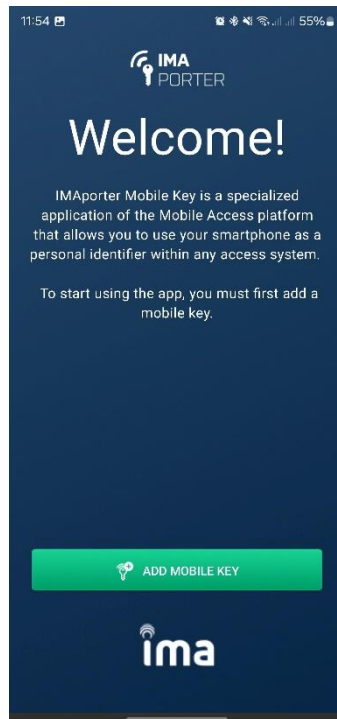


Figure 7: Home screen

When you first launch the app, you will be prompted to enable IMAporter MobileAccess Key to send notifications, enable location tracking, enable camera access and enable nearby device detection (these are access readers only). If you do not enable this, the app will not function properly and will not be able to receive mobile keys.

As a next step, we kindly ask you to agree to the license agreement and privacy policy.

1.2 Booting the mobile key

1.2.1 Booting a mobile key in a newly installed application

Users with a newly installed application are automatically redirected to the Mobile Key Download screen (*Figure 8: Mobile Key Download screen*) by clicking the **Go to Mobile Key Download** button on the Home screen (*Figure 7: Home screen*).

On the Mobile Key Download screen, the app allows the user to enter the mobile key activation code in one of the following ways:

- 1) Scan the QR code with your camera

When selecting this option, click on the **scan QR code** icon and simply point the camera square at the QR code

- 2) By entering a one-time activation code from a text message (SMS).

To obtain a one-time activation code, first enter your phone number and then the numeric code from the SMS message (*Figure 9* , *Figure 10*)

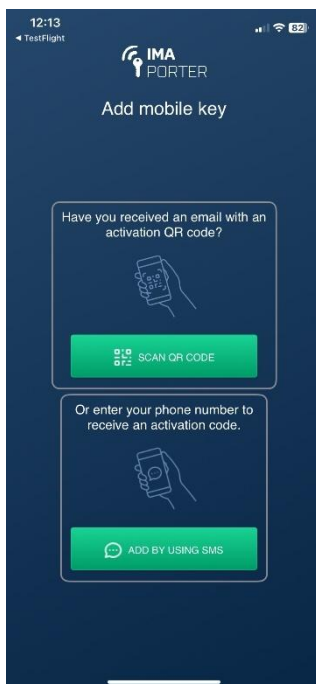


Figure 8: Mobile Key Download screen

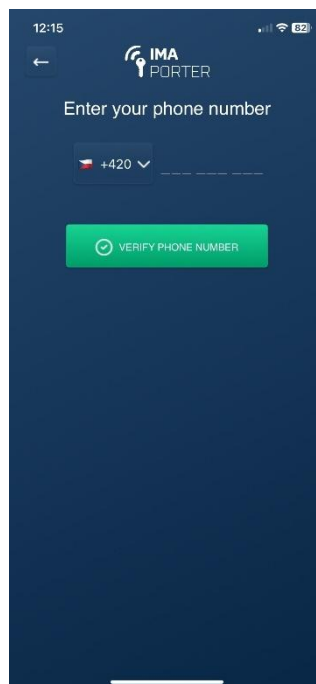


Figure 9: Enter your phone number

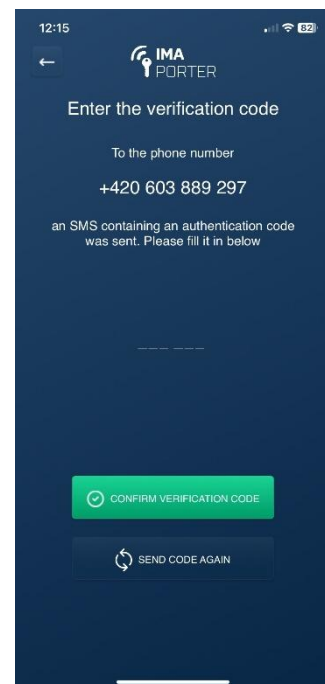


Figure 10: Enter the numeric code from the SMS message

After scanning the QR code or entering the one-time activation code from the SMS, a new mobile key is automatically downloaded.

By adding a mobile key, you agree to the terms of use and GDPR policy.

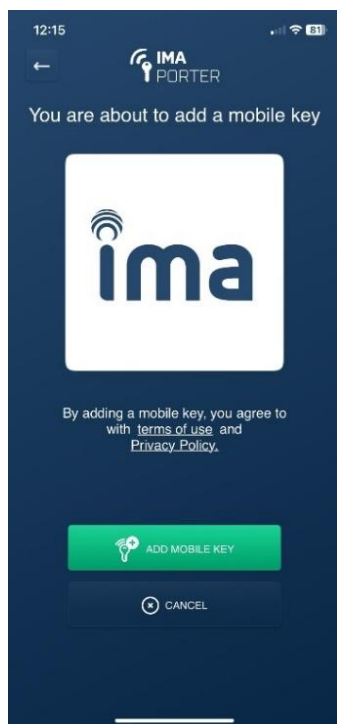


Figure 11: Agree to the Terms of Use

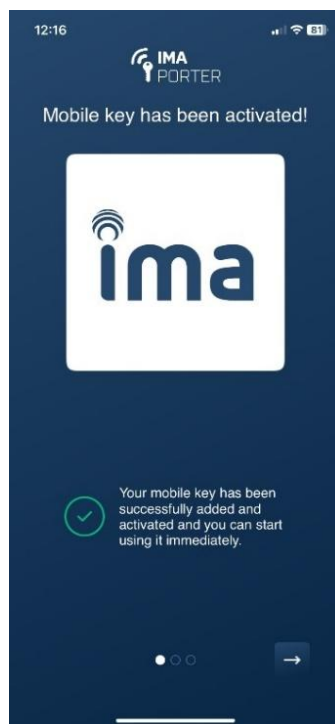


Figure 12: Confirm mobile key activation



Figure 13: Communication with the reader



Both the activation code and the attached QR code are time-limited and can only be used once. Please take extra care when registering. A new mobile key must be created by the system administrator when the code expires or in the event of an error.

1.2.2 Adding another key in an already installed application

Users who have been using the **IMAporter MobileAccess Key app** for some time, and want to add another mobile key, need to go to the **My Keys** tab in the app menu and tap the **green + icon** in the top right corner of the screen (*Figure 14: My Keys tab with + icon*).

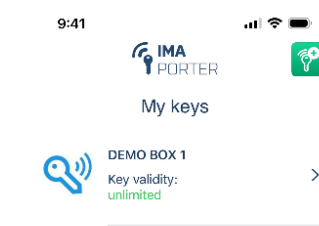


Figure 14: My Keys tab with + icon

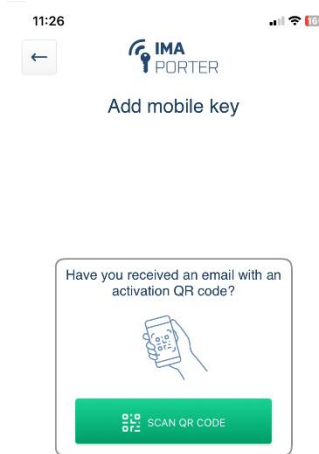


Figure 15: Adding the mobile key



Figure 16: Loading the QR code

The following procedure is similar to entering the mobile key when the app is initially launched (see [Figure 15: Adding the mobile key](#) and [Figure 16: Loading the QR code](#)).

1.3 Identification with BLE technology

To test the correct BLE identification function, go to **Identification** in the menu.

In this mode, the application will scan the available readers near their ID.

Clicking on a reader sends the Mobile Key and a communication window appears for about 1 second, the reader beeps and the green or red LED on it lights up depending on the user permissions set in the access system (ACS variants – IMAPorter Mobile Admin, CSI, IDcloud).

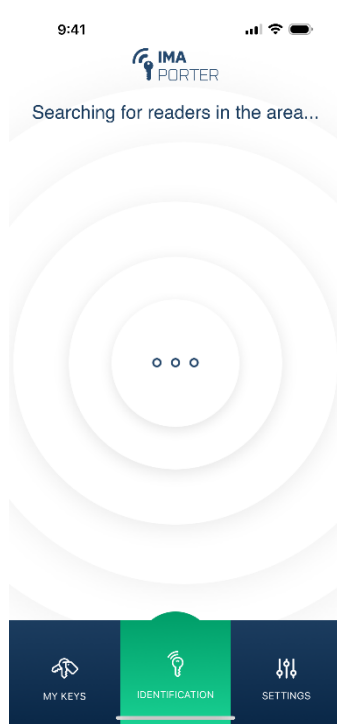


Figure 17: Scanning available readers



Figure 18: List of available readers

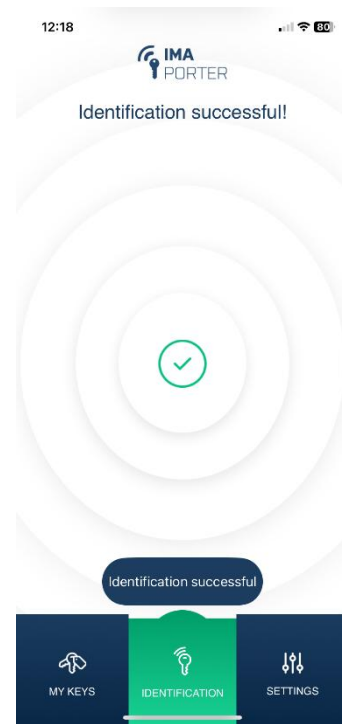


Figure 19: Communication with the selected reader

1.3.1 BLE reader pairing

In order for readers to be recognized by name, the readers must be pre-paired with the mobile key.

BLE readers are paired with the mobile key in IMAPorter MobileAccess by an administrator (administrator) via the IDcloud or CSI platform.

The paired reader with the mobile key is visible in the **My Keys** section and when you click on a specific mobile key.

This option is automatically available to users who have mobile keys **registered in IDcloud**.

Readers paired with an administrator have special features:

- They are **automatically downloaded** from the server when the mobile key is downloaded to the device.
- Any changes made to an **IDcloud** or **CSI** platform are updated in the IMAPorter MobileAccess Key.
- Readers do **not need to be manually paired**
- Readers downloaded from IDcloud **cannot be deleted or renamed by the user**

1.4 Identification with NFC technology

As soon as Apple released the use of NFC for third-party apps, we implemented this feature into our app. It requires a minimum version of iOS 17.4 to work properly.

There are still some restrictions set by Apple:

- NFC can only be used for identification when the app is running in the foreground.
- This feature is only available for 15 seconds after the app is turned on.
- Once this limit expires, the app must be dropped or quit and then restarted.

NFC is permanently enabled in the system settings on iOS phones.



Figure 20: Scanning available readers

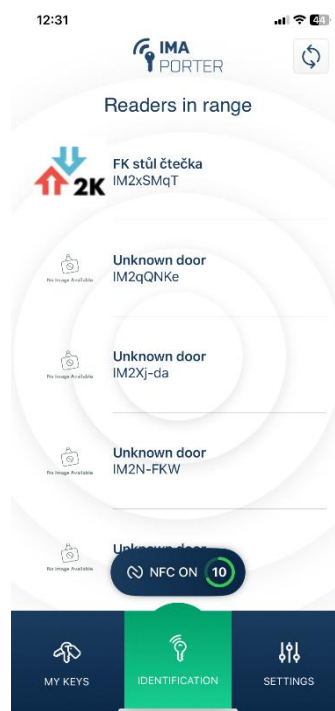


Figure 21: List of available readers

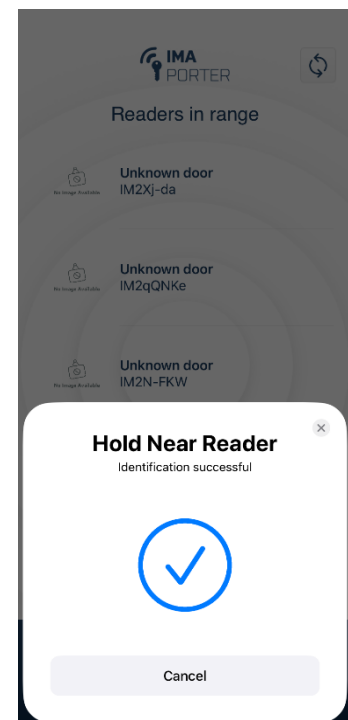




Figure 22: Communication with the selected reader

You can identify yourself to the reader using NFC within 15 seconds of turning on the app by putting your phone to the reader (the NFC antenna is usually located on the back of the phone).

  *For error-free and fast identification, you need to know the antenna location point on the phone. Each phone has a different antenna with different performance. The antenna is usually located on the back of most phones.*

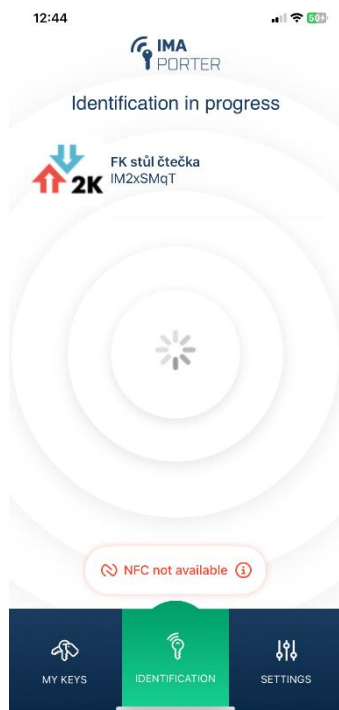


Figure 23: Apple Limit Expiration Info

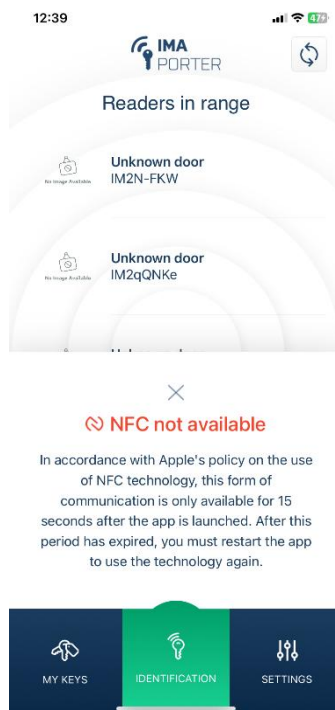


Figure 24: Apple Limit Solution Info

1.4.1 Enabling NFC identification on a device

Although NFC is permanently enabled in the system settings on iOS phones, you must enable NFC identification in the app settings for it to work properly.

Now go to the **Settings** tab and enable **NFC identification**, we recommend that you also enable **Audio Indication** to confirm successful identification

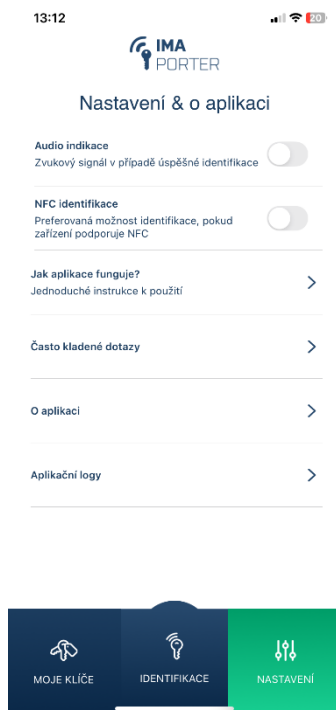


Figure 25: Settings tab

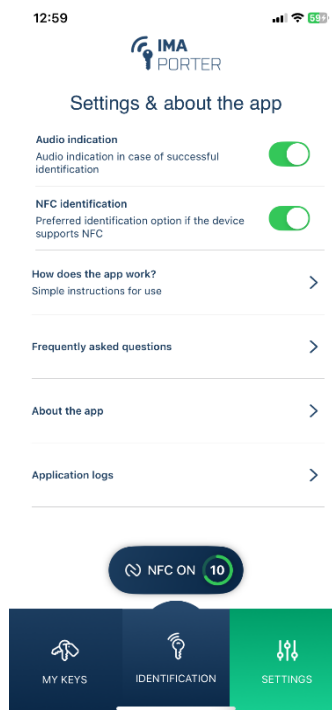


Figure 26: Enabling NFC

1.4.2 Tips to make NFC easier to use

In the **Shortcuts** app, you can add our **IMAporter MobileAccess Key** as a shortcut to open the app.

Next, in the phone settings in the **Accessibility** section → **Touch** → **Tap on the back** → **Tap** → **Shortcuts** we select the shortcut as we have named the app (according to the IMAporter screenshot).

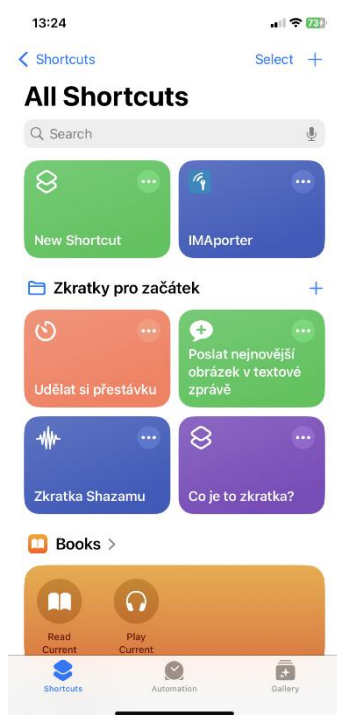


Figure 27: Schortcuts app

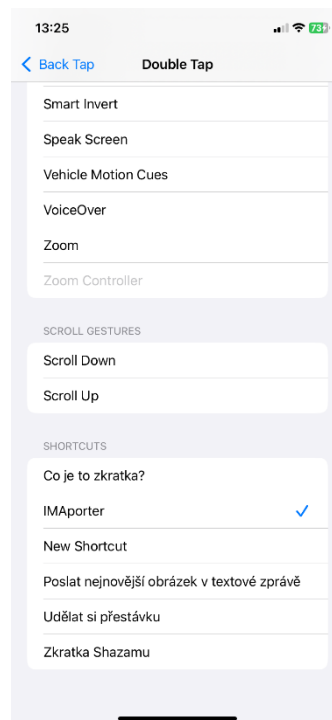


Figure 28: Setting Shortcuts

2 Support and error states

During identification using BLE or NFC communication, the app reports a problem, and the reader does not respond.

Contact the system administrator.



Figure 29: BLE failure

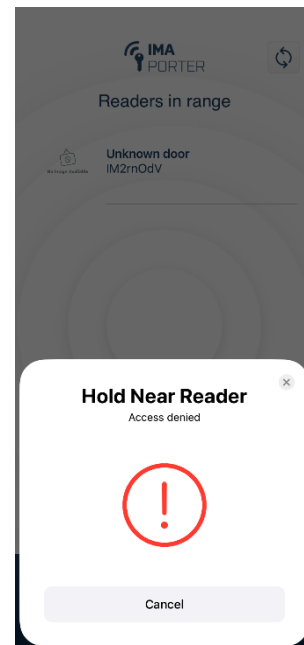


Figure 30: NFC failure

The mobile app says that the identifier has been successfully sent, but the reader is not responding/glowing red.

The user is not allowed to enter; their user ID is not entered into the reader controller.

If you are sure the authorization is valid, try re-opening the door with the mobile key.

*The app says **NFC unavailable**.*

Shut down and restart the app (see [1.4 Identification with NFC technology](#))

3 Download the app for iOS

To download the IMAporter MobileAccess Key identification app, scan the QR code with your mobile phone.

iOS



www.ima.cz/app/key/ios

4 Contact information

Supplier and support

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Document history

Revision	Date	Author	Description
v 1.5	16.2.2018	Karel Kalivoda	First published version of the manual
v 1.6	14.5.2021	Hanka Šifnerová	Update for BLE
v 1.7	19.5.2021	Karel Kalivoda	iOS manual and reader download from IDcloud
v 1.8	30.7.2021	Hanka Šifnerová	Battery optimization for BLE identification
v 1.9	9.8.2021	Hanka Šifnerová	Setting up widgets for iOS
v 2.0	2.2.2022	Hanka Šifnerová	Update email info
v 3.0	11.11.2023	Hanka Šifnerová	New version of IMAporter MobileAccess Key 2023
v 3.1	4.4.2024	Hanka Šifnerová	Update reader distance settings
v 4.0	1.5.2025	Filip Kylar	Addition of NFC functionality for iOS; splitting of iOS and Android manuals

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