

μFR e-Passport reader

Version 1.0

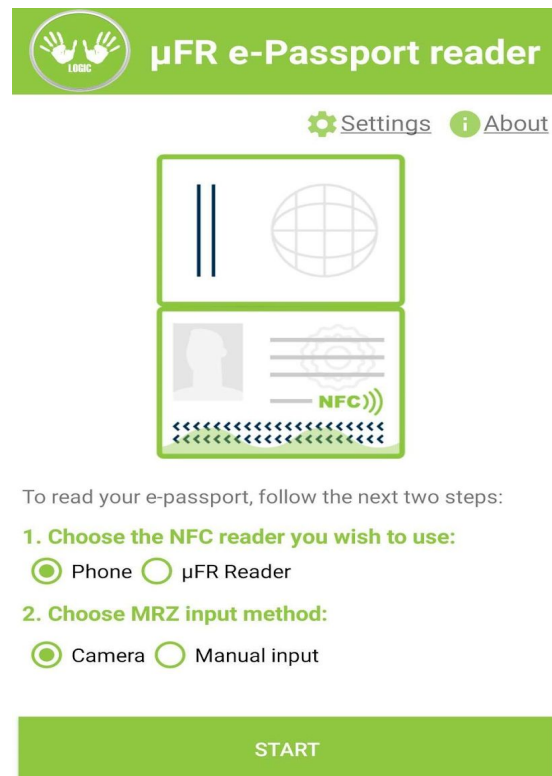
Table of contents

Introduction	3
Settings	4
Scanning MRZ zone	6
Reading passport	7
REST Service	10
Revision history	11

Settings

First, you need to choose the NFC reader you wish to use. You can choose between **Phone NFC** or **μFR Reader**. Phone NFC is selected by default.

After that, you need to choose the MRZ input method. You can choose between **Camera** (application will try to optically scan the MRZ zone of e-Passport) or **Manual input** (you need to enter the passport number, date of birth of the document holder and document expiration date).



To read your e-passport, follow the next two steps:

1. Choose the NFC reader you wish to use:

Phone μFR Reader

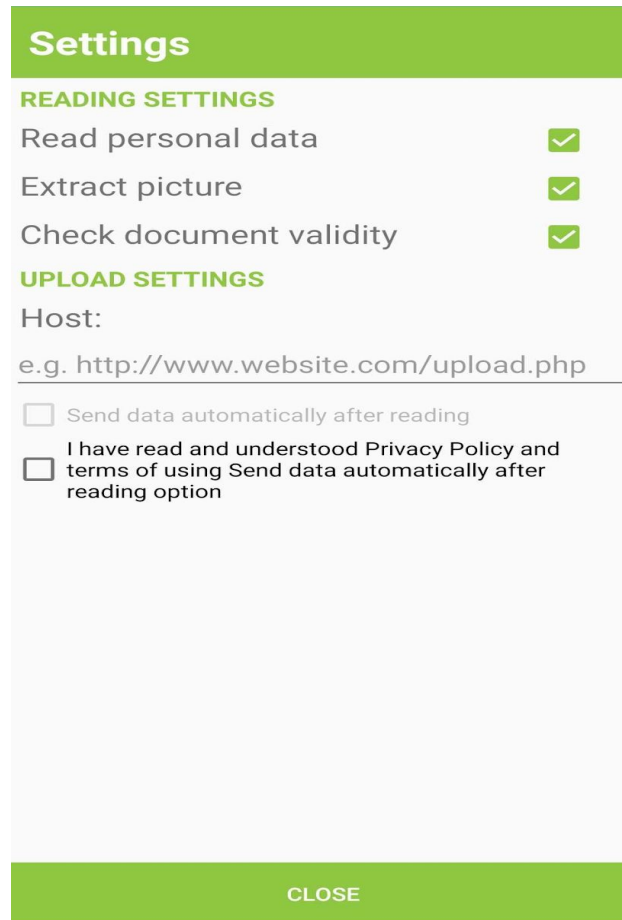
2. Choose MRZ input method:

Camera Manual input

DIGITAL LOGIC

Digital Logic Ltd. is an electronics company from Serbia, built on 50 years of constant innovation and engineering resourcefulness.

To select data you want to read, click on **Settings** at the top right corner of your screen.



The screenshot shows a mobile application settings screen. At the top is a green header with the word "Settings" in white. Below the header, there are two sections: "READING SETTINGS" and "UPLOAD SETTINGS". Under "READING SETTINGS", there are three items: "Read personal data" with a checked checkbox, "Extract picture" with a checked checkbox, and "Check document validity" with a checked checkbox. Under "UPLOAD SETTINGS", there is a "Host:" label followed by a text input field containing "e.g. http://www.website.com/upload.php". Below the input field, there are two checkboxes: the first is "Send data automatically after reading" (unchecked), and the second is "I have read and understood Privacy Policy and terms of using Send data automatically after reading option" (unchecked). At the bottom of the screen is a green bar with the word "CLOSE" in white.

On the Settings screen you will be able to choose which data you want to read. You can uncheck data that you don't want to read. Personal data, picture of the document holder and document validity are checked by default.

You can also configure **Host** for sending extracted data for e-Passport NFC chip.

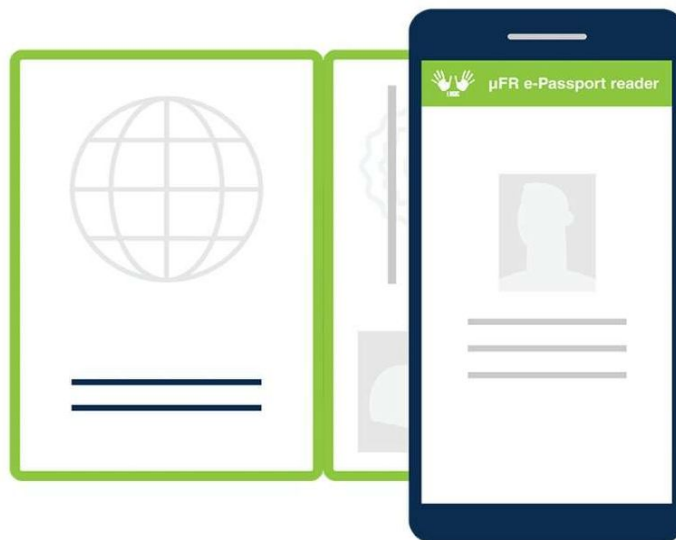
For **Send data automatically after reading** you will need to check that you understand and agree with **Privacy Policy** and terms of using this option.

Place your Camera preview at the MRZ zone of e-Passport.
If MRZ was successfully scanned, you will hear 'beep' and reading passport screen will be shown.

Reading passport

If you see message shown on the picture below:

**Place your phone over the
e-passport**

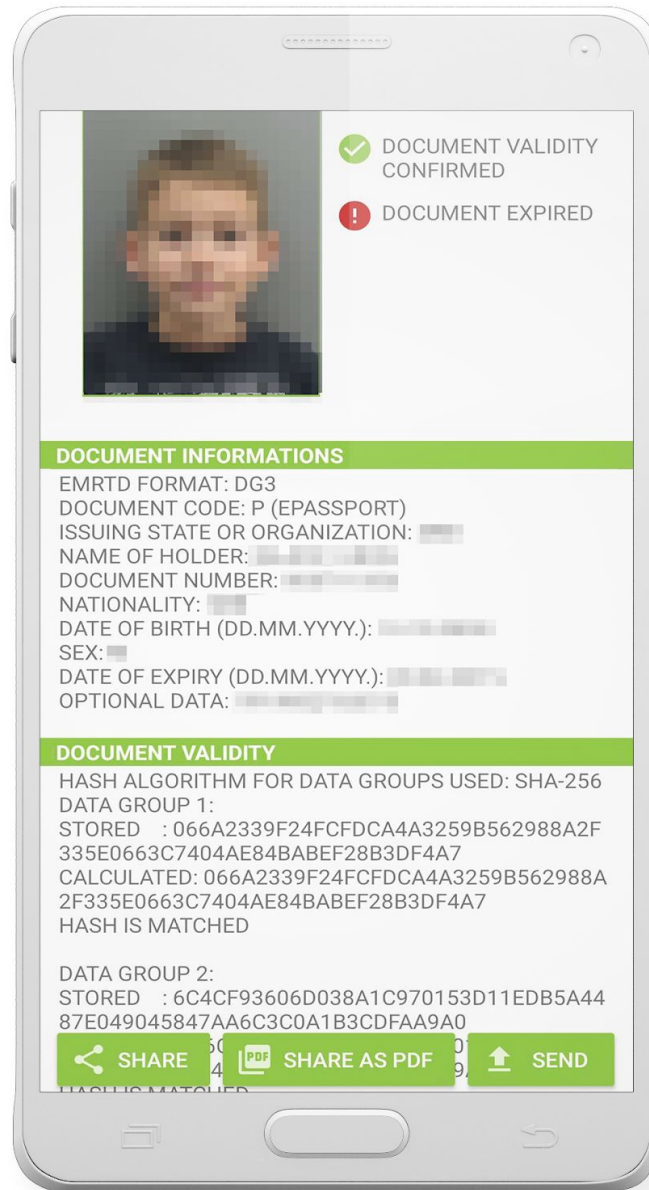


Place your phone over the e-Passport and wait for reading to finish.

Reading looks like this:



When reading is finished you will get something like this:



You have 3 options for sharing data:

1. You can share it as picture + text on **SHARE** option
2. You can share it as PDF file on **SHARE AS PDF** option
3. You can send **HTTP POST** on PHP script defined in **Host** field on **Settings** screen

REST Service

HTTP method is **POST**, it will execute if you click on the **SEND** button after successfully readed passport or will execute immediately (without clicking the SEND button) after reading if you checked the **“Send automatically after reading”** option in **Settings**. In the table below are described all POST parameters:

Parameter name	Descripton
Name	String containing First and Last Name of the document holder
BirthDate	String containing birth date of the document holder in format DD.MM.YYYY.
DocumentNumber	String containing document number
IssuingState	String containing ISO 3166-1 alpha-3 country code
Nationality	String containing ISO 3166-1 alpha-3 country code
Expiration	String with value “DOCUMENT ACTIVE” if document is active or “DOCUMENT EXPIRED” if document is expired
Validation	String with value “VALIDITY CONFIRMED” if document validity is confirmed, otherwise “VALIDITY NOT CONFIRMED”
Picture	String containing picture of the document holder in Base64 format

If some of the data are not readed, String with value **“NOT READ”** will be sent instead of parameter.

Revision history

Date	Version	Comment
2020-02-03	1.0	Base document