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# MagTek Reader Configuration Gen II Program

Programs for Configuration and Key Injection for DynaFlex Family Devices

## **Installation and Operation Manual**

May 2021

Manual Part Number:

D9982000480-10

**REGISTERED TO ISO 9001:2015**

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**Table 0.1 - Revisions**

Rev Number	Date	Notes
10	May 2021	Initial Release

**NOTICE**

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**Purpose of the document**

The purpose of this document is to provide a description of how to use the MagTek Reader Configuration Gen II Program for Remote Configuration and Key Injection for MagneSafe devices. This application is provided to MagTek Customers. Certain functions are No Charge and other functions are billable events. Please refer to the executed Remote Services Agreement and Pricing Schedule A.

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## Table of Contents

Purpose of the document.....	3
Table of Contents.....	4
1 Overview MagTek Reader Configuration Gen II Program for Windows.....	5
1.1 Windows System Requirements: .....	5
2 Installation.....	6
3 Login.....	7
4 MagTek Reader Configuration Gen II Program for Windows Transaction Options .....	8
4.1 Key Configuration.....	9
4.2 EMV Configuration.....	11
4.3 Device Configuration.....	12
FAQs.....	17
5 Glossary.....	19

## 1 Overview MagTek Reader Configuration Gen II Program for Windows

The MagTek Reader Configuration Gen II Program is an application designed to leverage the MagTek RS3 web services, for secure key injection and device configuration of DynaFlex family devices.

By running the **MagTek Reader Configuration Gen II Program**, the user can configure their device and load keys in a secure environment.

### 1.1 Windows System Requirements:

- Windows 10 Operating System or newer
- USB Port

\*\*\*Not All Configuration Options are available to all SCRA's

Configuration Options available are determined—

- By the type of device being used
- By the Configuration Options provided by MagTek

\*\*\*Key Loading via a Bluetooth wireless interface is not supported. This affects any wireless MagneSafe reader. Key injection for wireless readers must be done via USB using the MagTek Reader Configuration Gen II Program.

\*\*\*Certain COMMANDS require a reset of the device

- Please see the individual device's Programmer's Manual for affected Commands

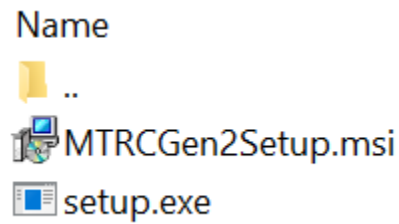
# MagTek Reader Configuration Gen II Program

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## 2 Installation

Open your browser and navigate to the URL below.

- <https://www.magtek.com/Content/SoftwarePackages/1000008207.zip>
- Download the zip file and extract its contents to an accessible folder on a Windows computer
- Double-click the setup.exe

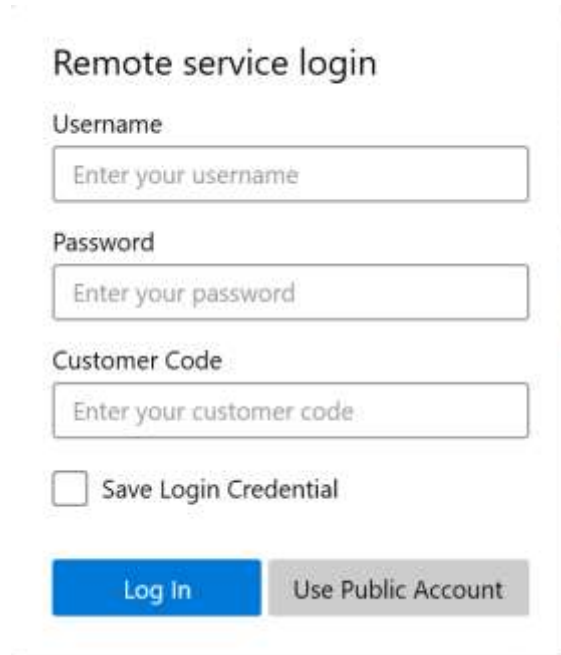


Click the **Install** button.

After the installation is complete, launch Reader Configuration Gen II



### 3 Login



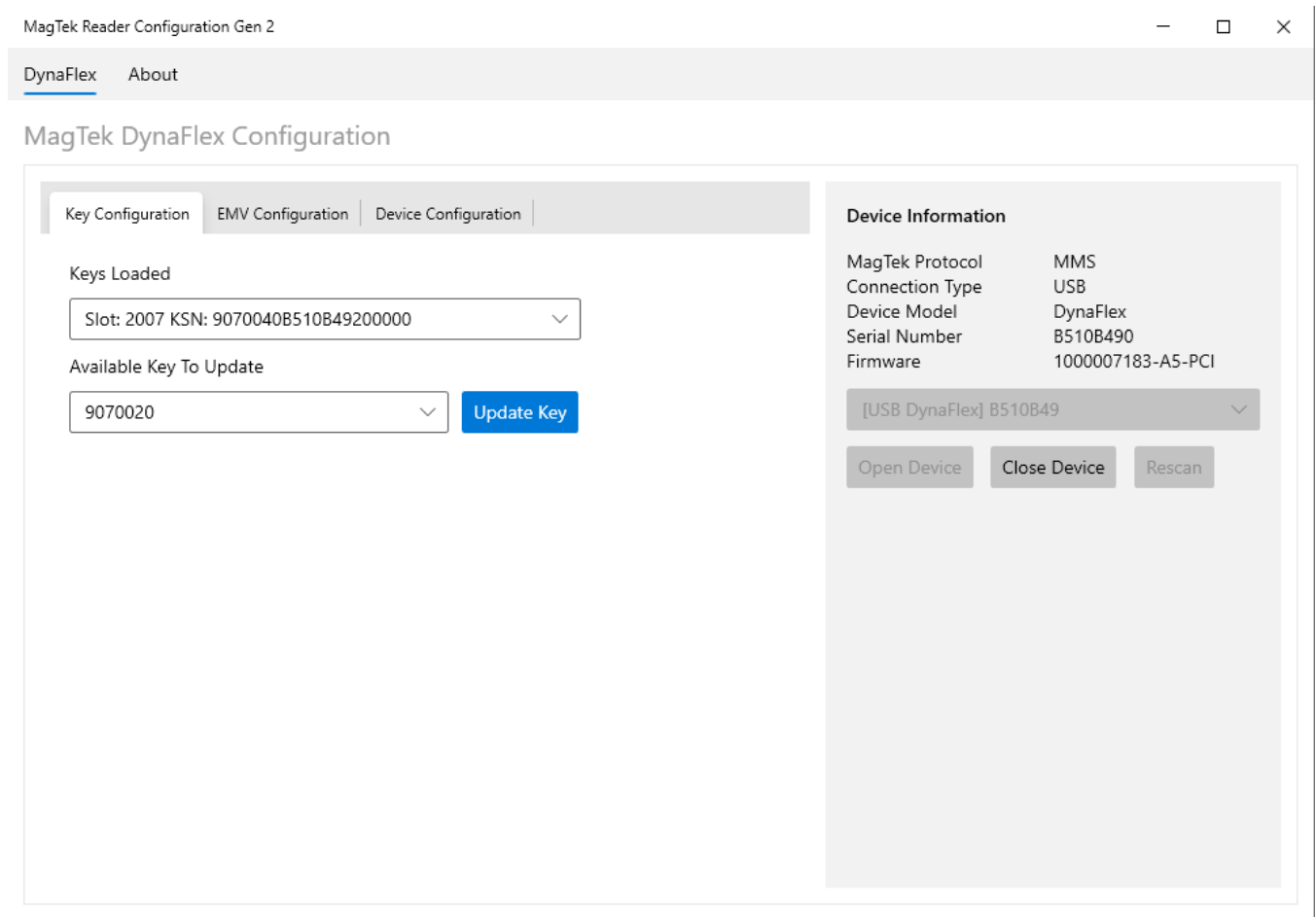
The image shows a web form titled "Remote service login". It contains three input fields: "Username" with the placeholder text "Enter your username", "Password" with the placeholder text "Enter your password", and "Customer Code" with the placeholder text "Enter your customer code". Below these fields is a checkbox labeled "Save Login Credential". At the bottom of the form are two buttons: a blue "Log In" button and a grey "Use Public Account" button.

The Login box will appear. Enter your User Name, Password and Customer Code provided to you by MagTek. Checking the Save Login Credential will cache the user's credentials to streamline future login.

Press **Log In**.

For certain "no charge" configuration related functions, the Public Account can be used by pressing the "Use Public Account" button.

## 4 MagTek Reader Configuration Gen II Program for Windows Transaction Options



The Device Information window will appear in the upper right corner of the application. It provides the following information about the attached DynaFlex device.

- MagTek Protocol
- Connection Type
- Device Model
- Serial Number
- Firmware
- Device and Serial Number

Device List, Refresh, Open Device, Close Device, Rescan buttons.



# MagTek Reader Configuration Gen II Program

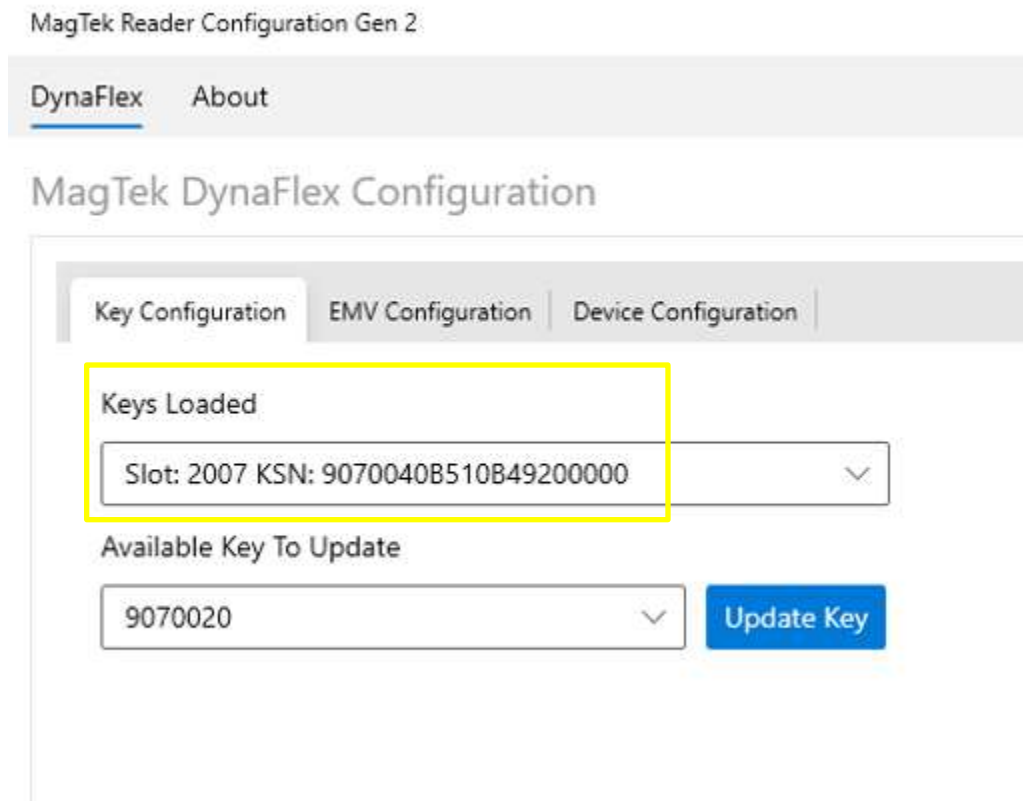
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- Device List displays a list of attached devices. Please select the target device and proceed. The Rescan button updates the list of Target Devices visible to the MagTek Reader Configuration Gen II Program.
- Open Device will open the reader.
- Close Device will close the reader.

## 4.1 Key Configuration

The Key Configuration tab can be used to change a device's key(s). It shows the Key(s) currently Loaded. DynaFlex family devices can have several types of keys injected or loaded. There is also a drop-down list of Key to Update. This drop-down list will show the KSID.

### 1. Update Key

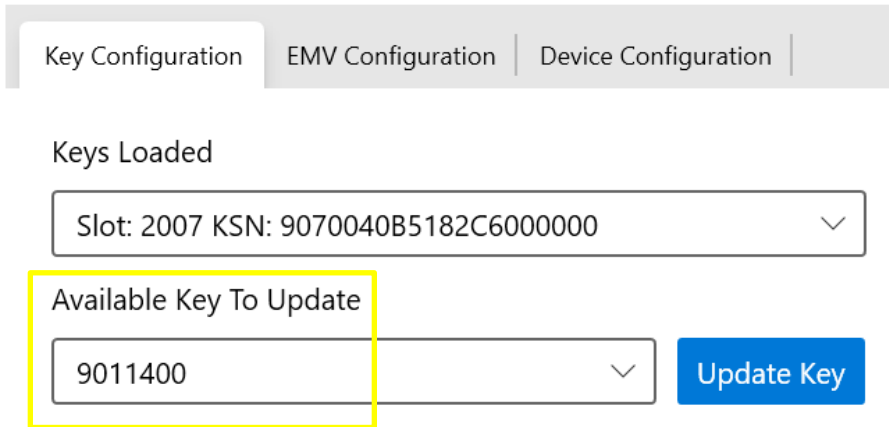


To perform an Update Key, click on the **Keys Loaded** drop down list, and select the desired key slot.

# MagTek Reader Configuration Gen II Program

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Click the **Available Key to Update** drop down list and choose the desired KSN.



Key Configuration | EMV Configuration | Device Configuration

Keys Loaded

Slot: 2007 KSN: 9070040B5182C6000000

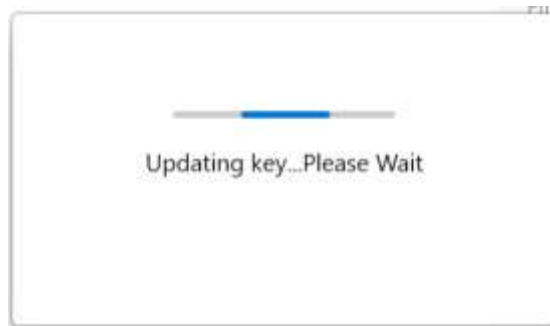
Available Key To Update

9011400

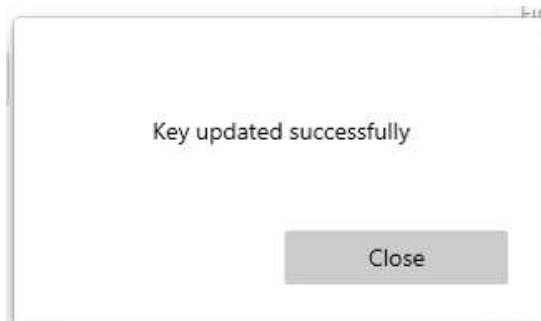
Update Key

Click the **Update Key** button to inject the designated KSID into the designated key slot.

The following message will appear *Updating Key, Please Wait*.



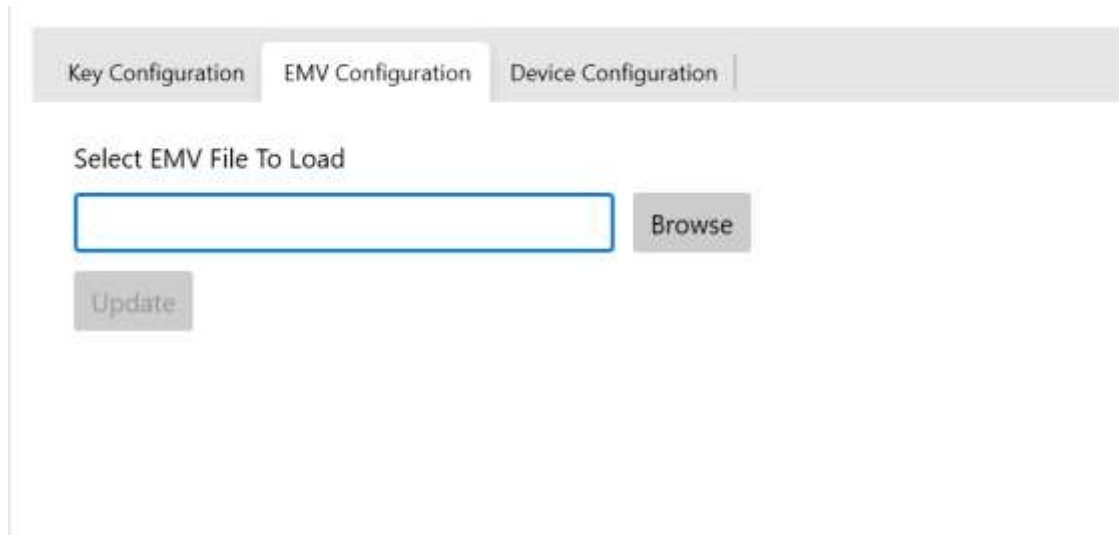
The following message will appear after the Key is successfully injected.



## 4.2 EMV Configuration

### Update Tags and CAPKs

EMV Configuration allows the user to Load EMV tags (terminal and application settings) and CAPKs (certificate authority public keys). The file format is \*.xlsx. Please contact MagTek for assistance with the desired information.



Click the **Browse** button to locate the desired \*.xlsx file.



Once the file is selected, click the **Update** button to load the selected \*.xlsx file.

## 4.3 Device Configuration

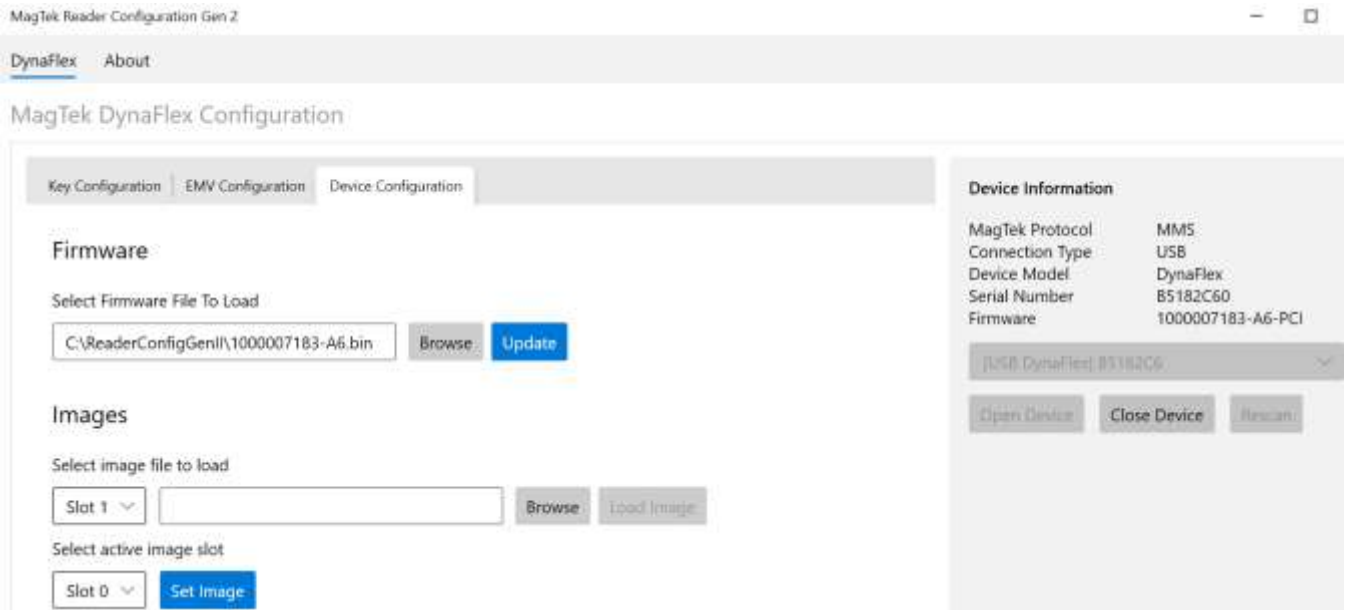
### 2. Update Firmware

Device Configuration allows the user to Load Firmware and load image files.

The screenshot shows the 'Device Configuration' tab selected in a navigation bar. Below the navigation bar, there are two main sections: 'Firmware' and 'Images'.  
In the 'Firmware' section, there is a label 'Select Firmware File To Load' above a text input field. To the right of the input field are two buttons: 'Browse' and 'Update'.  
In the 'Images' section, there is a label 'Select image file to load' above a dropdown menu set to 'Slot 1' and a text input field. To the right of the input field are two buttons: 'Browse' and 'Load Image'.  
Below the 'Images' section, there is a label 'Select active image slot' above a dropdown menu set to 'Slot 0' and a blue button labeled 'Set Image'.

Click the **Browse** button to locate the desired \*.bin file.

# MagTek Reader Configuration Gen II Program

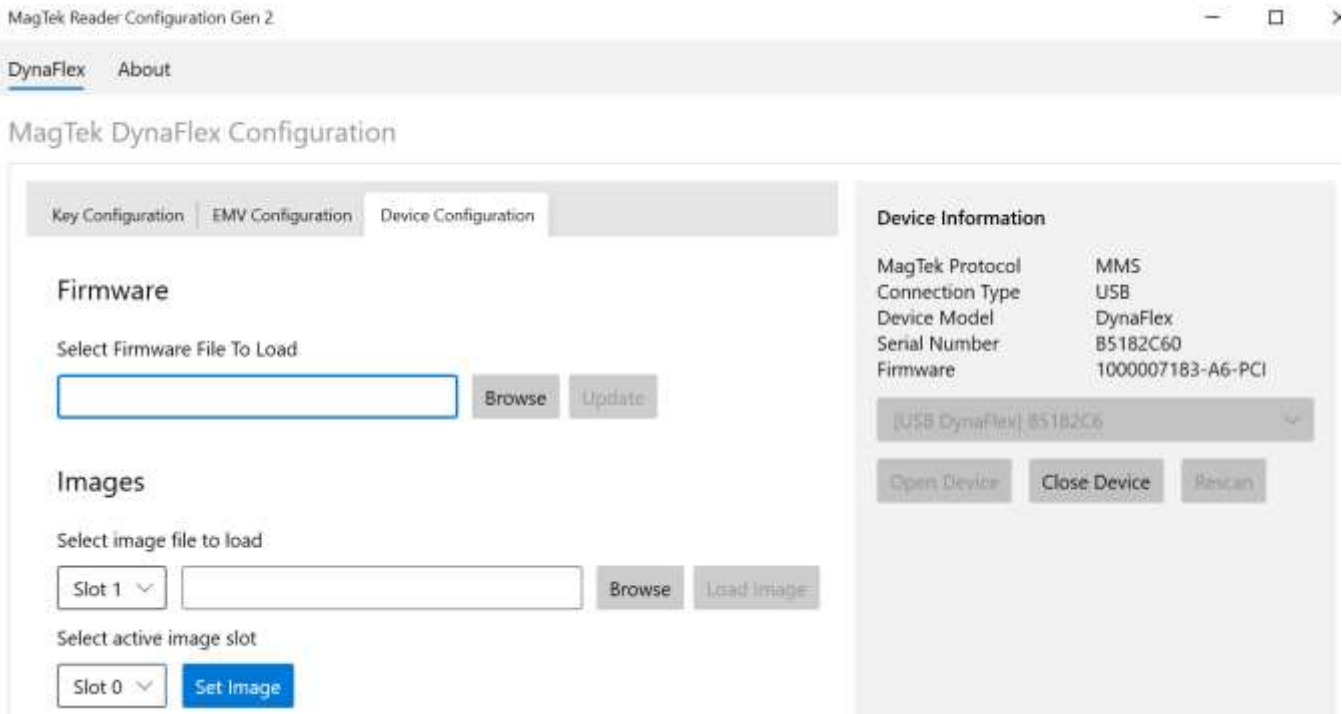


Once the file is selected, click the **Update** button to load the selected \*.bin file. Please note, this application will not load an older version of firmware than what is currently loaded, and it will also not overwrite the same version currently loaded. This tool can only be used to update to a newer revision of firmware. If you need assistance with older revisions, please contact your MagTek representative.

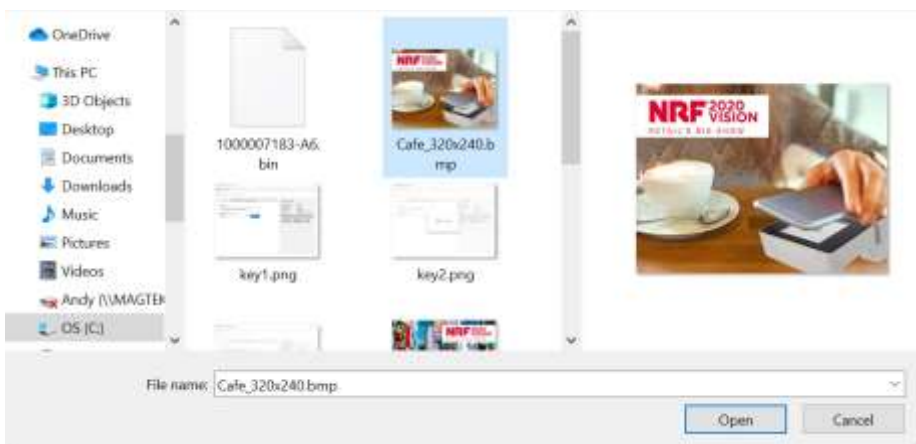
# MagTek Reader Configuration Gen II Program

## 3. Load Images

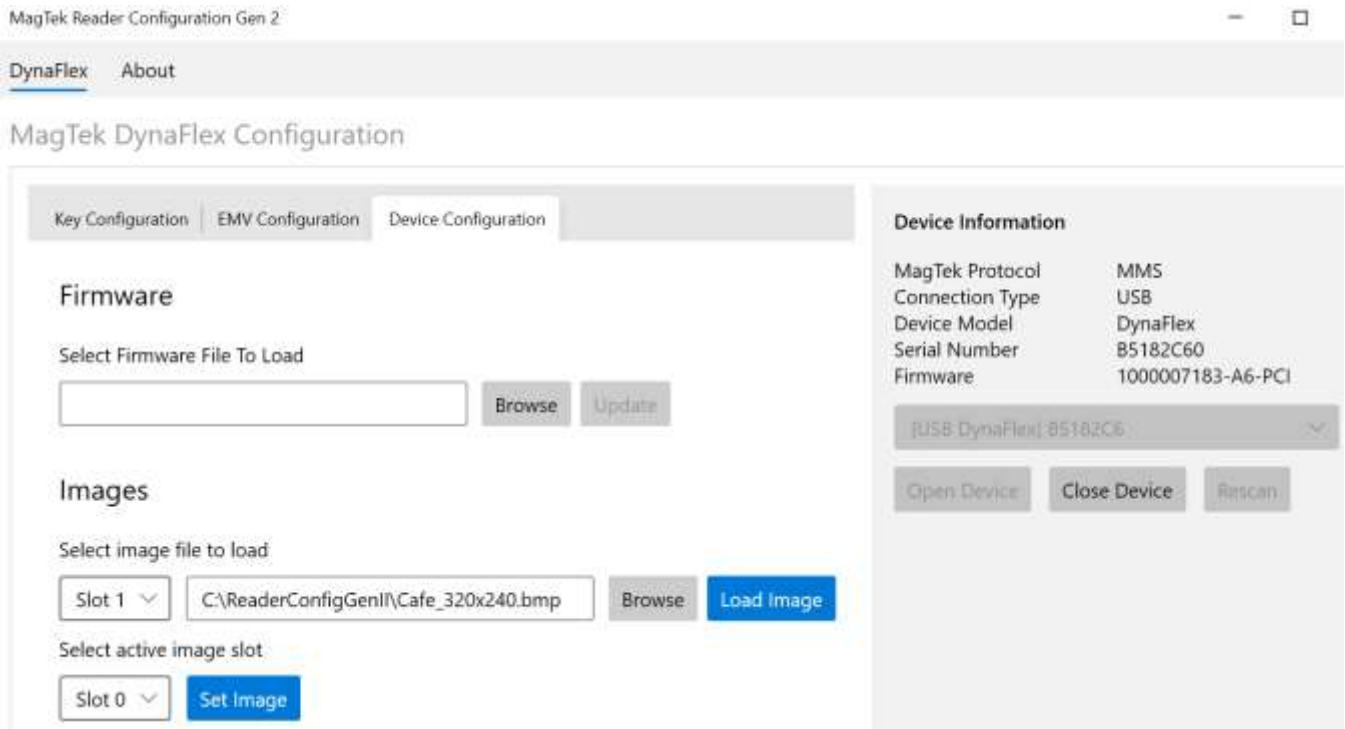
Load Images allows the user to import as many as 4 custom images that can be displayed on DynaFlex Pro. The file format must be \*.bmp and the file size must be 320 x 240 for Landscape and 240 x 320 for Portrait. Image Slot 0 is reserved for the default Welcome Screen and cannot be changed. Image Slots 1 – 4 are available to the user.



Click the **Browse** button to locate the desired \*.bmp file.

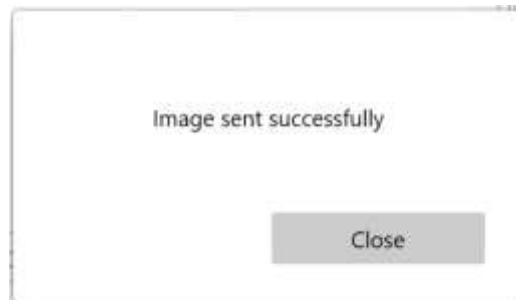


# MagTek Reader Configuration Gen II Program



Once the file is selected, click the **Load Image** button to load the selected \*.bmp file in the Slot chosen.

A message will display indicating the Image is being sent to the DynaFlex Pro. If successful, the following message will display.



# MagTek Reader Configuration Gen II Program

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Next, press the drop down for “Select active image slot” and press the **Set Image** button.

Images

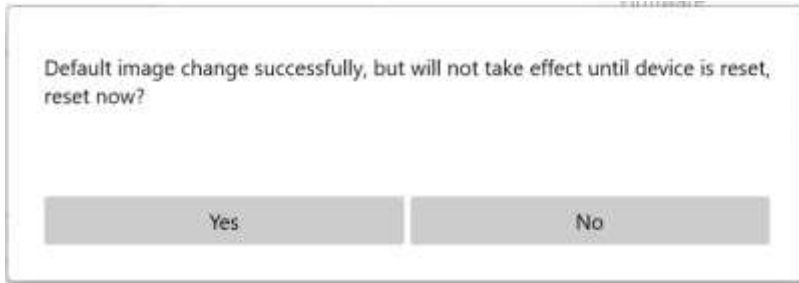
Select image file to load

Slot 1  Browse **Load Image**

Select active image slot

Slot 1 **Set Image**

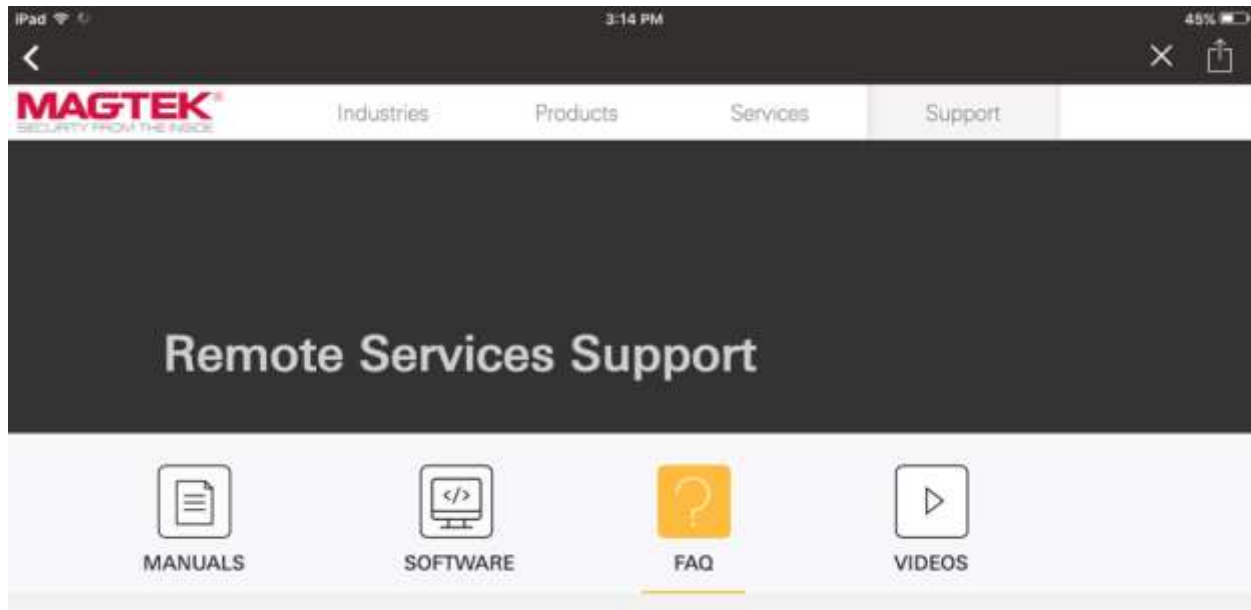
Press the **Yes** button to complete the process and rest DynaFlex Pro. After the reset, the selected image will display on screen.





## FAQs

FAQs will appear. Scroll down to look for answers to commonly asked questions.



▼ What functions can be performed using the MagTek Reader Configuration Program for Windows (ClickOnce)?

- Reader configuration changes based on User Credential permissions (see Remote Services Boarding)
- Key changes based on User Credential permissions (see Remote Services Boarding)
- Send individual Device Commands based on the specific MagTek Device's Programmer's Reference Manual
- Run Scripts which can execute one or multiple device commands as a batch (based on the specific MagTek Device's Programmer's Reference Manual)
- EMV Tag and CAPK Loading
- Updating Firmware

## MagTek Reader Configuration Gen II Program

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For an up to date and complete list of Frequently Asked Questions, please visit <https://www.magtek.com/support/remote-services?tab=faq>

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- EMV Tag and CAPK Loading
- Updating Firmware

What MagTek devices are supported using the MagTek Reader Configuration Gen II Program for Windows (ClickOnce)?

DynaFlex

DynaFlex Pro

What version of Windows is required to run the MagTek Reader Configuration Gen II Program for Windows (ClickOnce)?

Windows 10 Operating System or newer

### 5 Glossary

- DES - Data Encryption Standard
- DUKPT – Derived Unique Key per Transaction
- KSN – Key Serial Number
- PCI DSS – Payment Card Industry Data Security Standard
- SCRA – Secure Card Reader Authenticator
- Security Level – MagneSafe level of security
- Triple DES/3DES – Triple Data Encryption Standard
- CAPK – Certification Authority Public Key
- LMB – Locked Magensa Bundle
- MPK/MPK2 – Magensa Production Keys, KSID 9070020 and 90700500