MagTek Universal SDK

For MMS Devices
Demo Manual (Windows)

June 2021

Manual Part Number:
D998200395-20

REGISTERED TO ISO 9001:2015

Table 0.1 - Revisions

Rev Number	Date	Notes
10	October 1, 2020	Initial release
11	October 22, 2020	Added features Show Image and Send File to the Configuration tab.
12	January 25, 2021	Added features to support signature capture and host driven fallback.
20	June 17, 2021	Updated GUI to support manual card entry and event notifications.

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Table of Contents

1   Introduction

This document provides instructions to use the MTUSDKNET Demo. It is part of a larger library of documents designed to assist Secure Card Readers implementers, which includes the following documents available from MagTek:

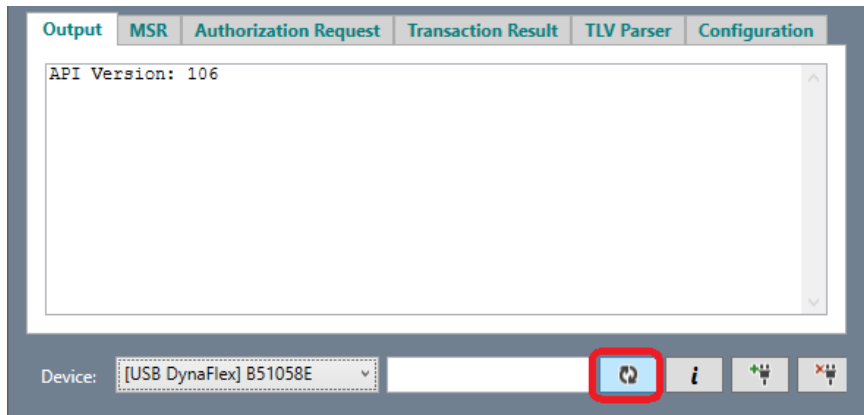- *D998200380 MAGTEK UNIVERSAL SDK PROGRAMMER'S MANUAL (MICROSOFT .NET)*
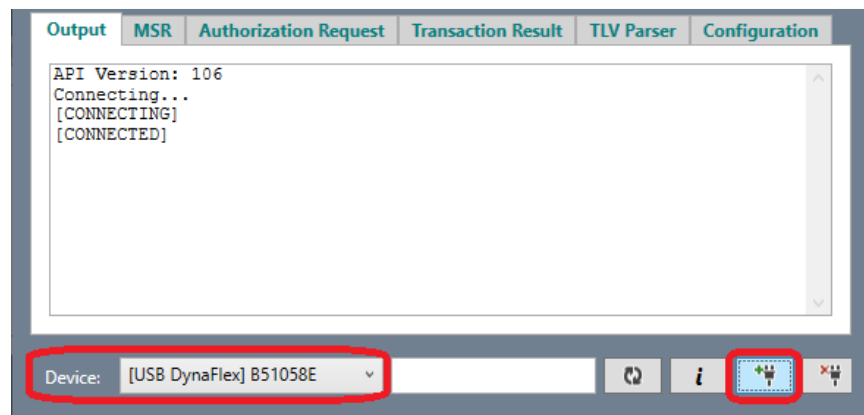
2 How to Connect to MTUSDKNET Demo

To connect via an interface follow these steps:

2.1 Connect via USB Interface

1) Connect the device to the USB port of the Windows PC.
2) Launch the MTUSDKNET Demo and press the Scan button to display a list of available devices.

3) Select the device from the Device list box and press the Connect button to open the device.

3 How to use the MTUSDKNET Demo

The following instructions detail how to use the MTUSDKNET Demo on Windows PC via USB interface. Same instructions apply to the other interface types.

MTUSDKNET Demo queries for device features upon connecting. Some demo features are disabled based on what is supported on the device.

3.1 Send Command

1) To send a command to the device, input custom command in the command text box and press the Send button. Example Echo: `AA0081040100DF018407DF018103313233`
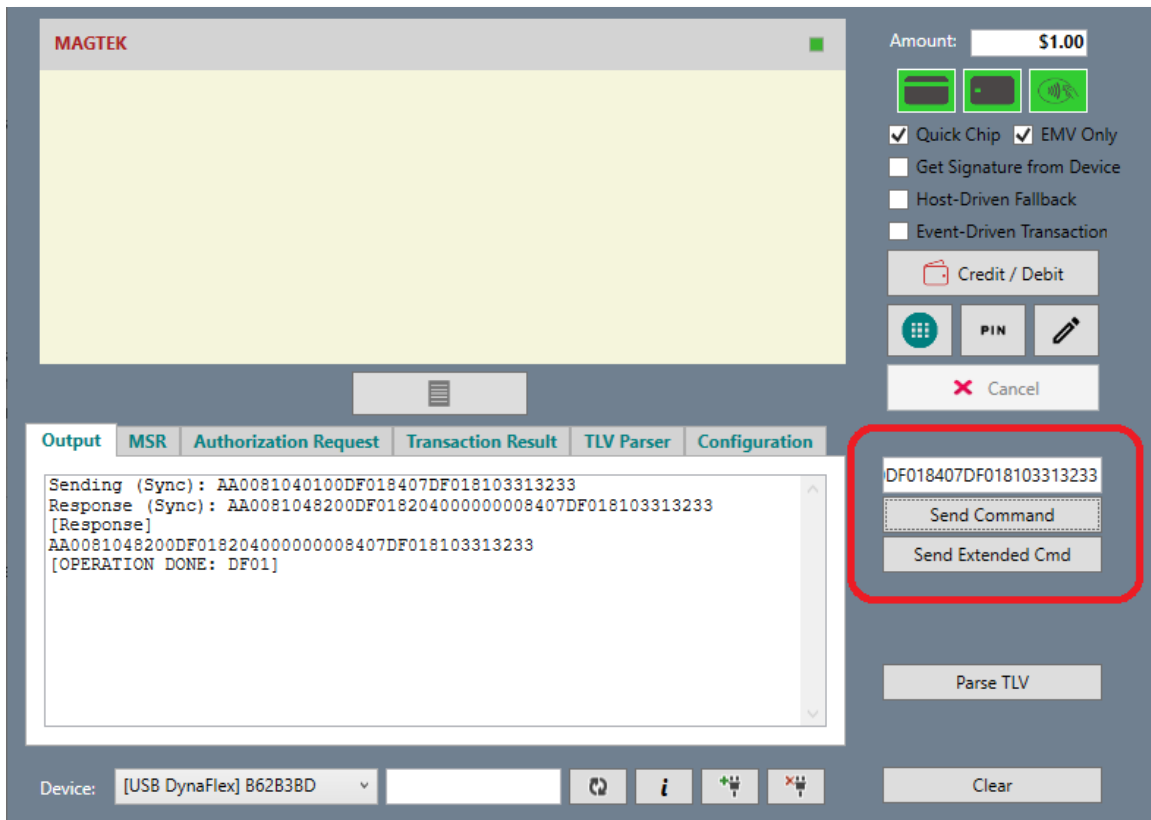
3.2   EMV Transaction

1) To perform an EMV transaction, select the desired card types and EMV options, then press the Credit/Debit button to start the transaction.
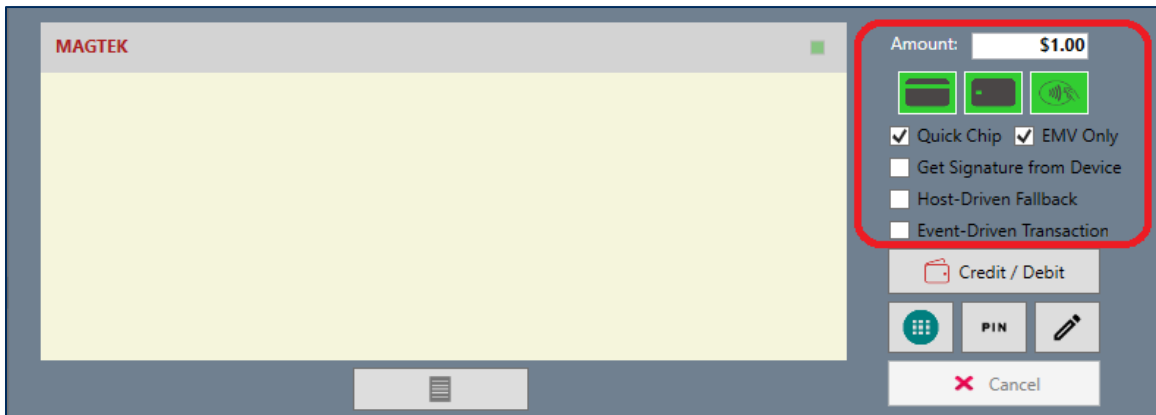
2) Follow any instructions on the device or demo software.
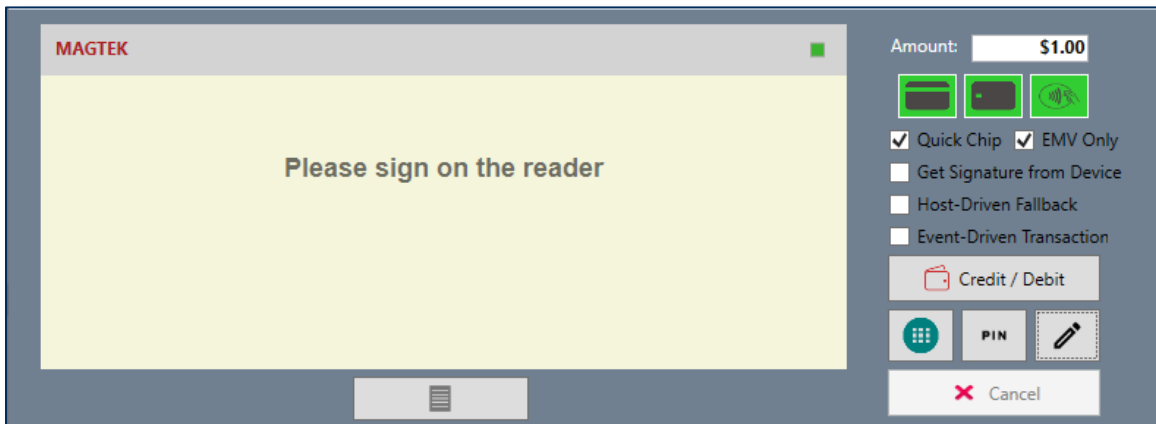
3) After the transaction, the status will be displayed in the Output tab, and you can also view more detail information in the Transaction Result tab.
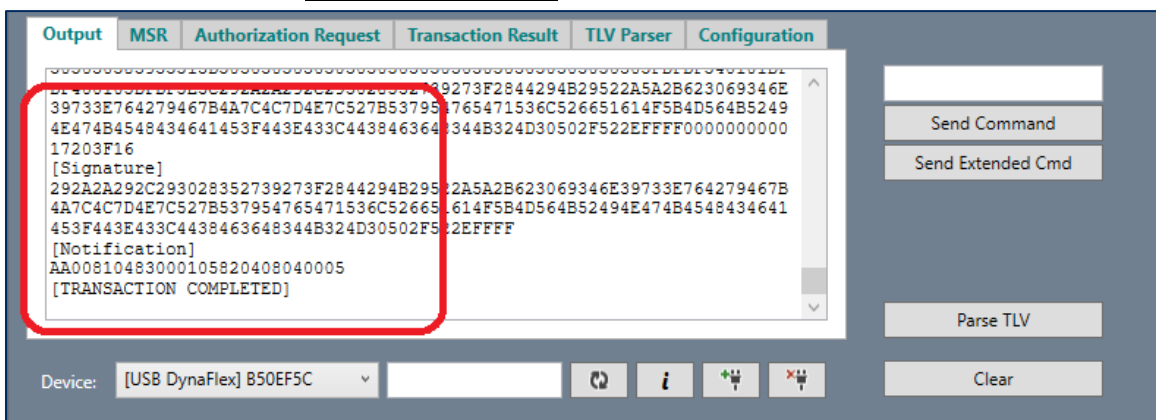
3.3 TLV Parser

To parse custom TLV blob, follow these steps.

1) Press the **TLV Parser** tab.
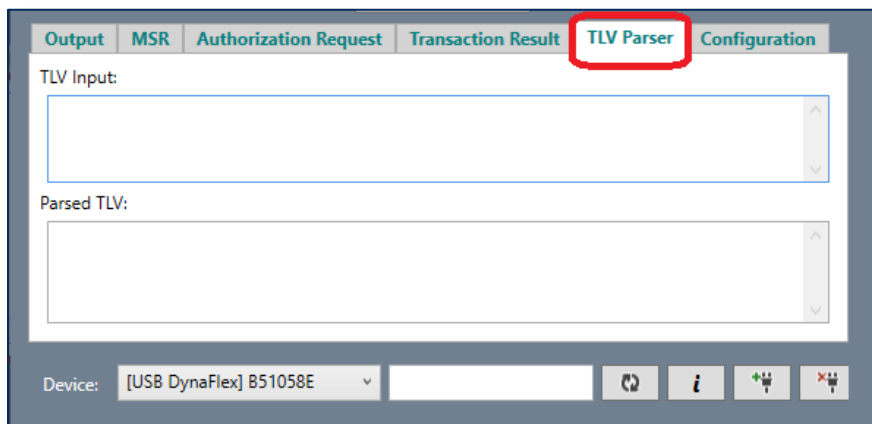
2) Copy and paste the TLV you want to parse to the **TLV Input** text box, then press the **Parse TVL** button. The result will show in the **Parsed TLV** text box.
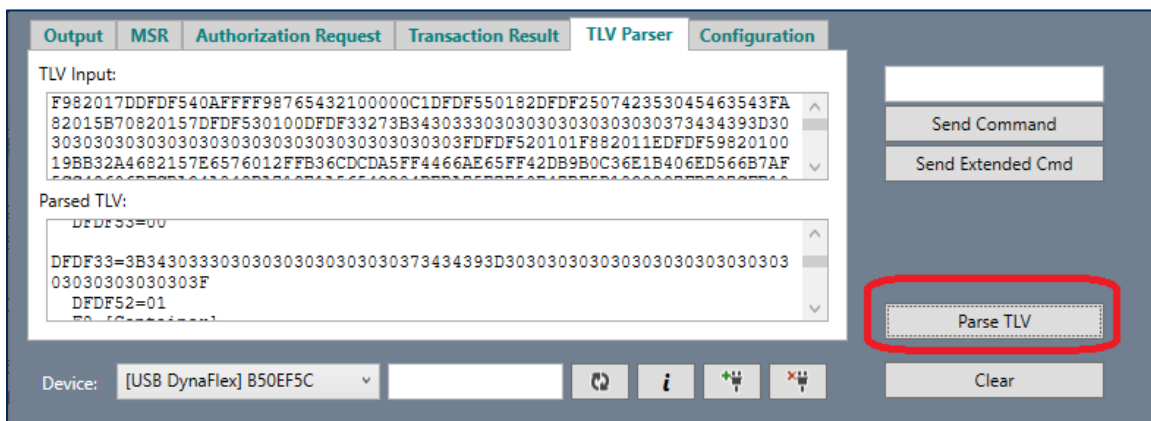
3.4 Device Info

1) To view the device information, press the Output tab, then press Get Info button. An example of requesting device's information is shown below.
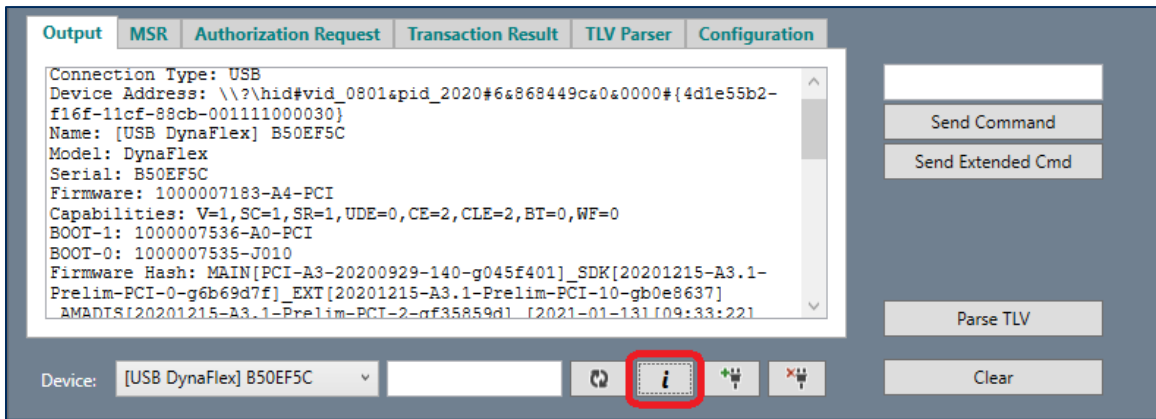
2) To clear the screen, press the Clear button.
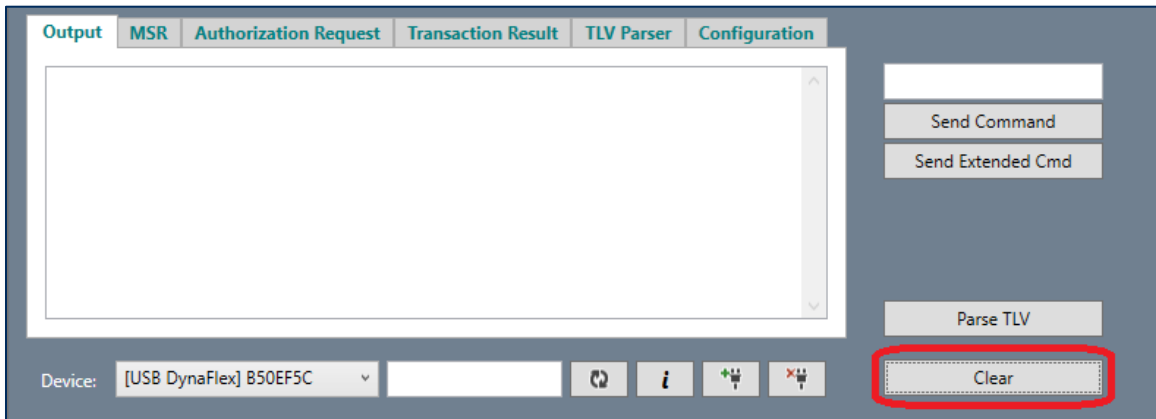
3) To close the device, press the Disconnect button.
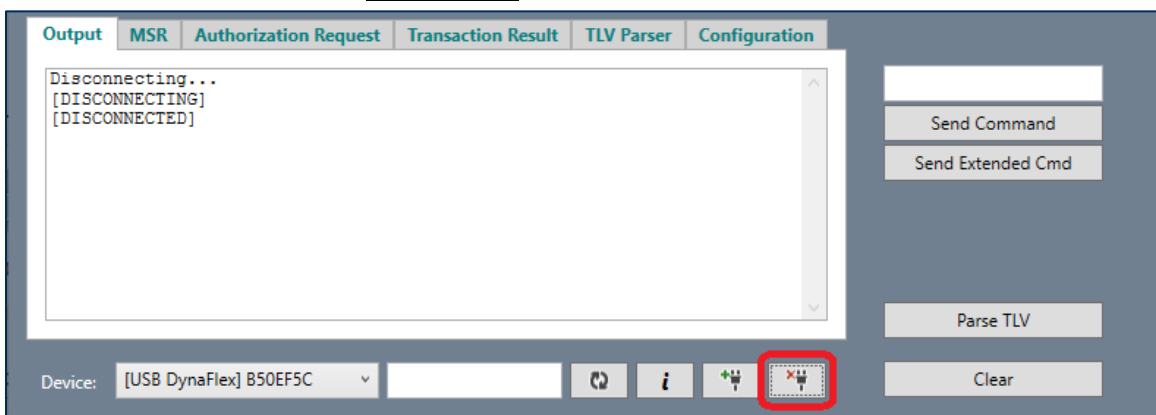
3.5   Configuration

The following describes how to load and display images. An image replaces the Welcome screen when the device is in an idle connected state.
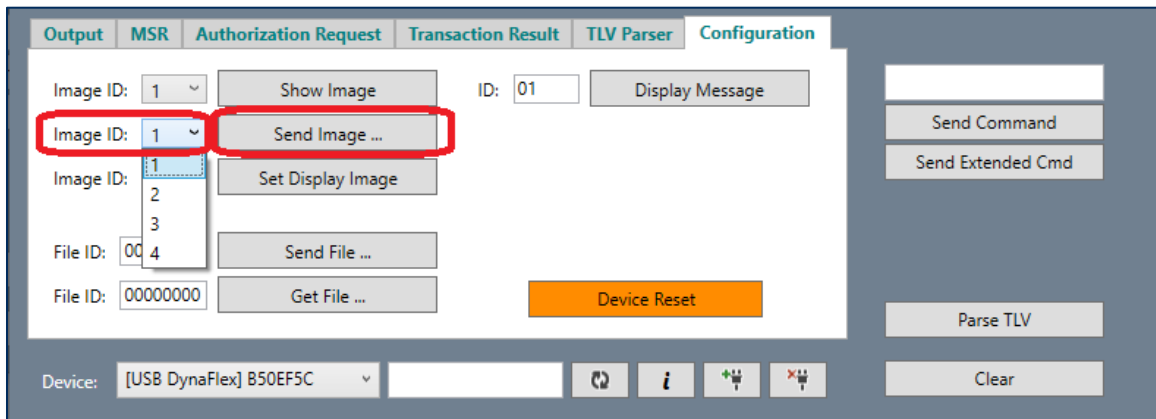
Please make sure the image you are trying to send to the device is in bitmap format, with 16-bit Depth and X1 R5 G5 B5 mode.
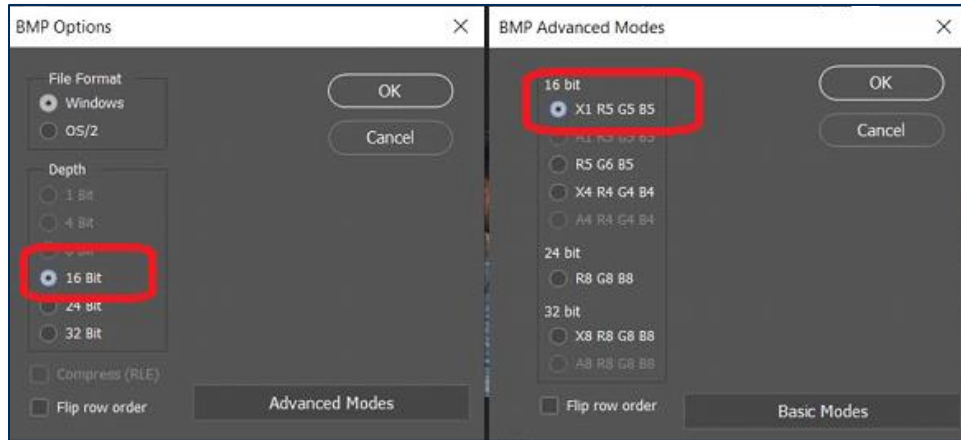
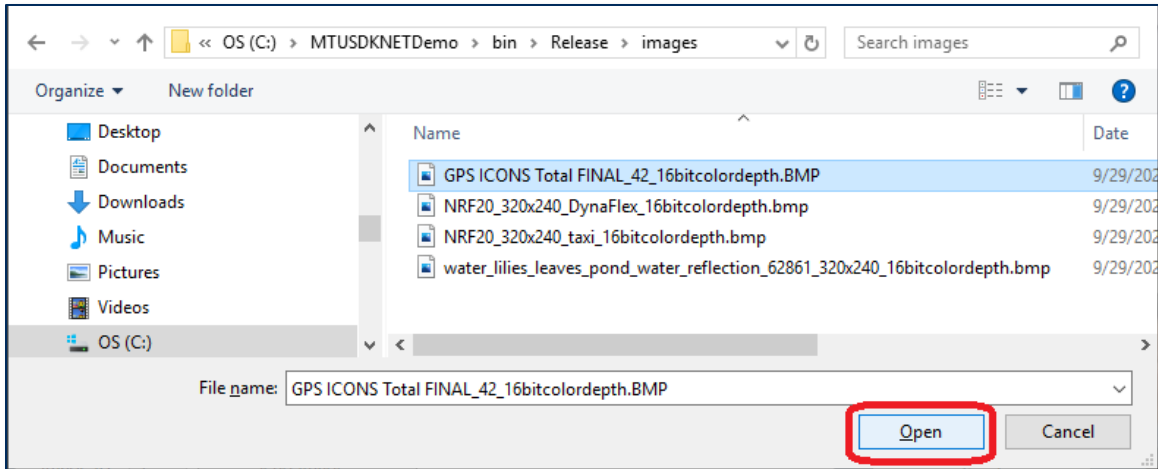1) To send an image to the device, press the **Configuration** tab
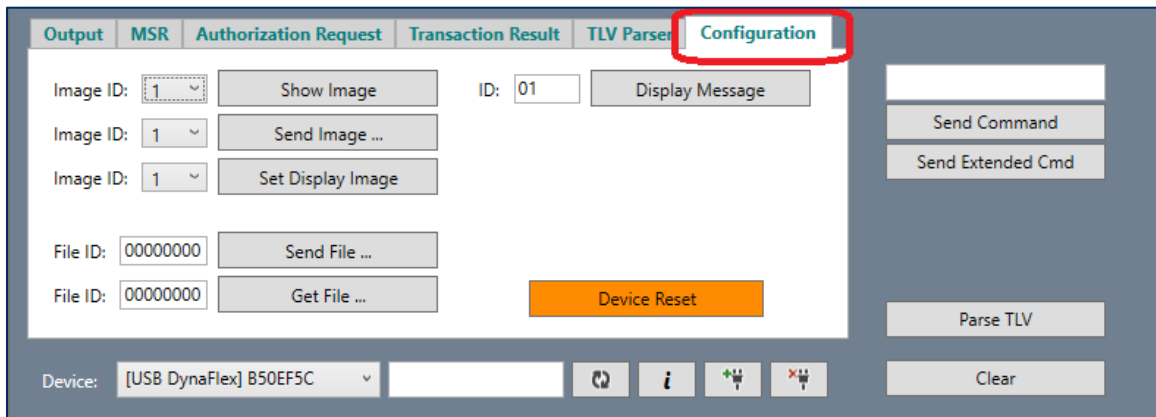
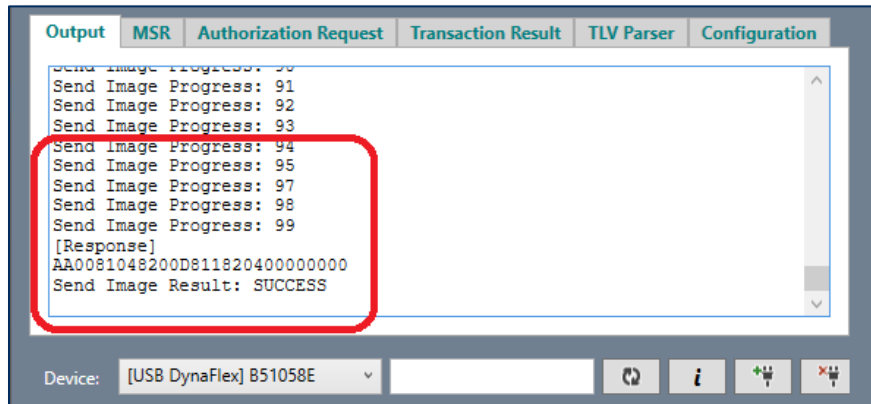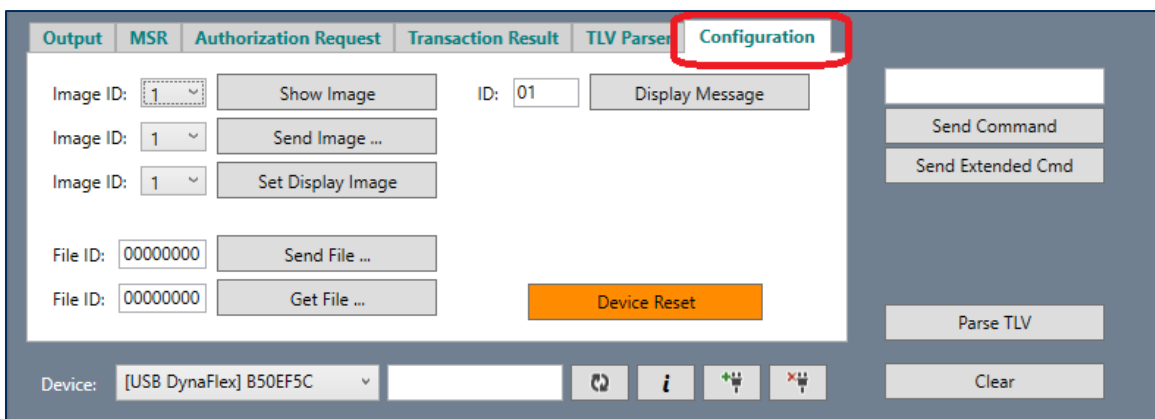2) Select an ID number from the **Image ID** list. Press the **Send Image** button.

3) Navigate to an image bitmap file, select the file, then press the Open button.

4) View the progress of sending an image by selecting the Output tab. When completed the result will be similar to what is shown below.

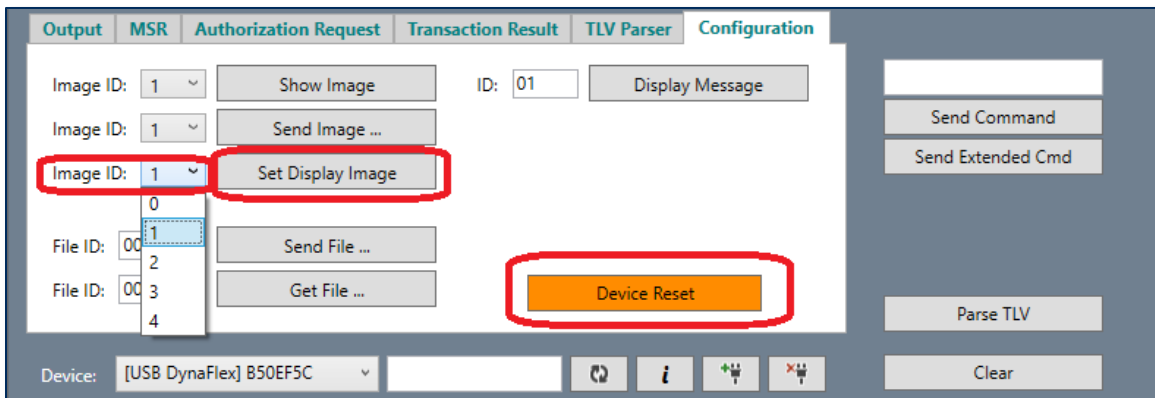5) To set which image is to replace the Welcome screen, press the Configuration tab.

6) Select an ID from the **Image ID** list, press the **Set Display Image** button, then press the **Device Reset** button.

7) After the device resets, press the **Connect** button. The image will now be displayed on the device's idle screen.

8) If the display image is set to an ID that was not loaded, the device will display the Welcome screen.

9) To set the device back to the Welcome screen, select ID **0** from the **Image ID** list, press the **Set Display Image** button, then press the **Device Reset** button. After the reset, press the Connect button.
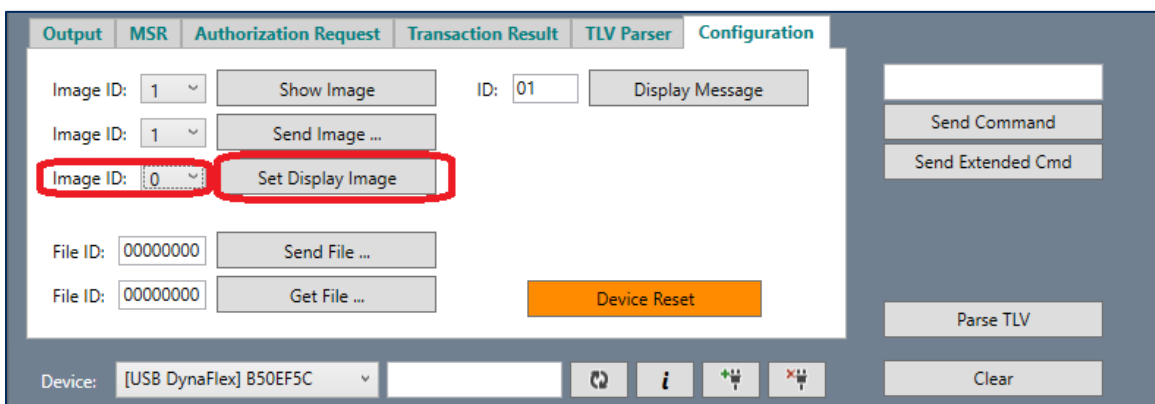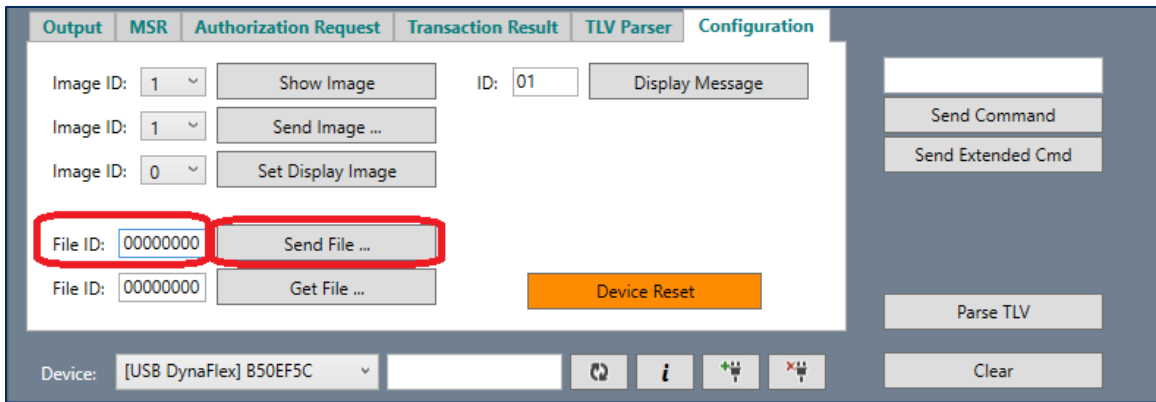

10) To show the image in the desire slot without restarting the device, select the **Image ID** you want to display, then press the **Show Image** button. Please note that after the device is restarted, the idle image will show the Image ID under Set Display Image setting.
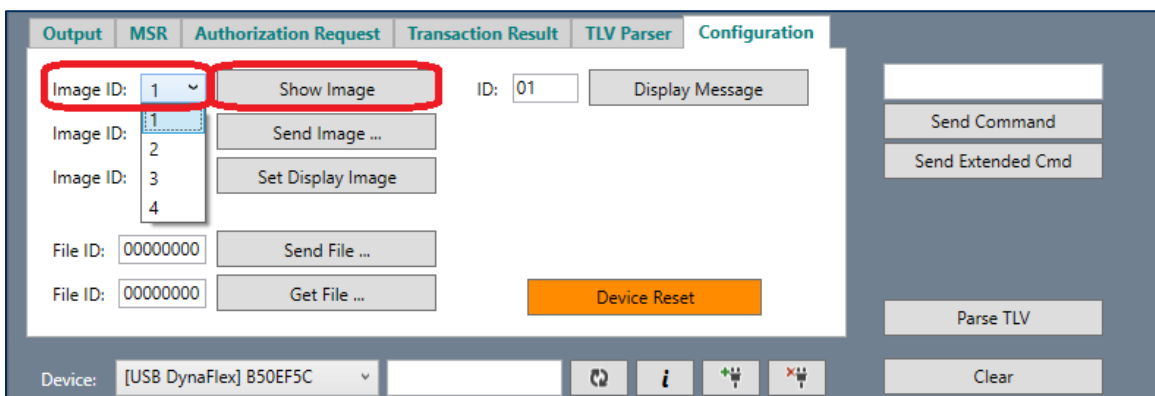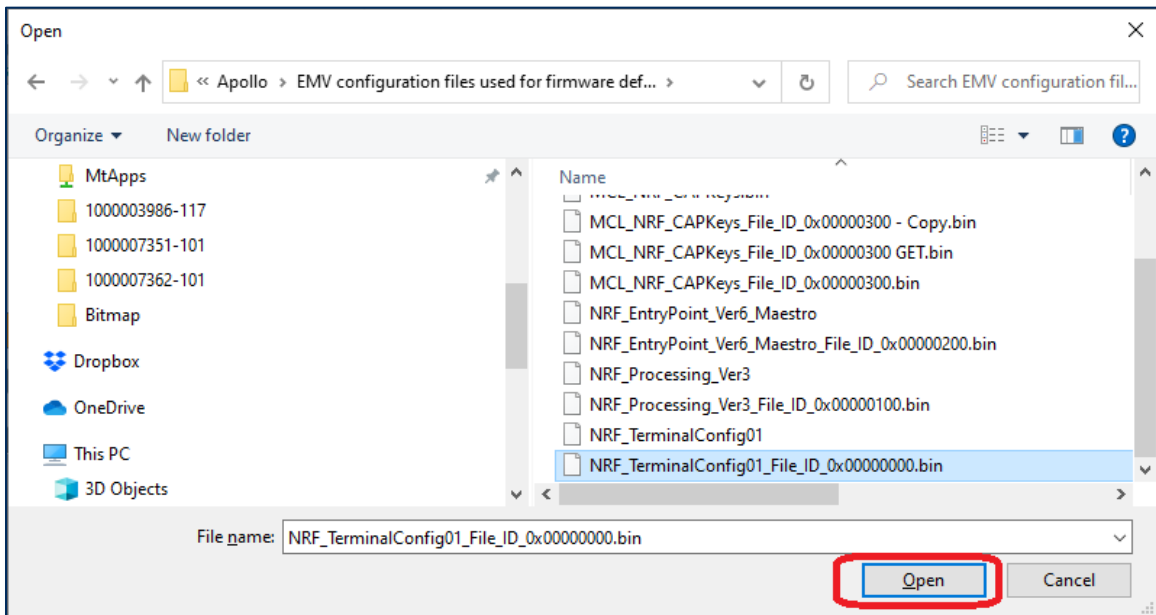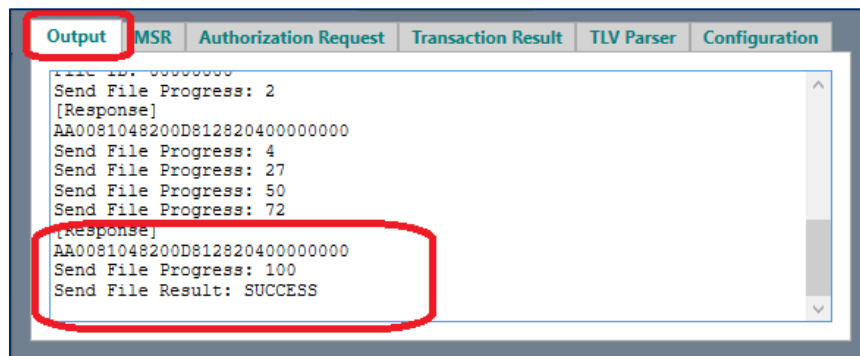
11) To send a configuration file to the device, enter the File ID and then press the Send File button.

12) Select the file associated with that same file ID and press the Open button.

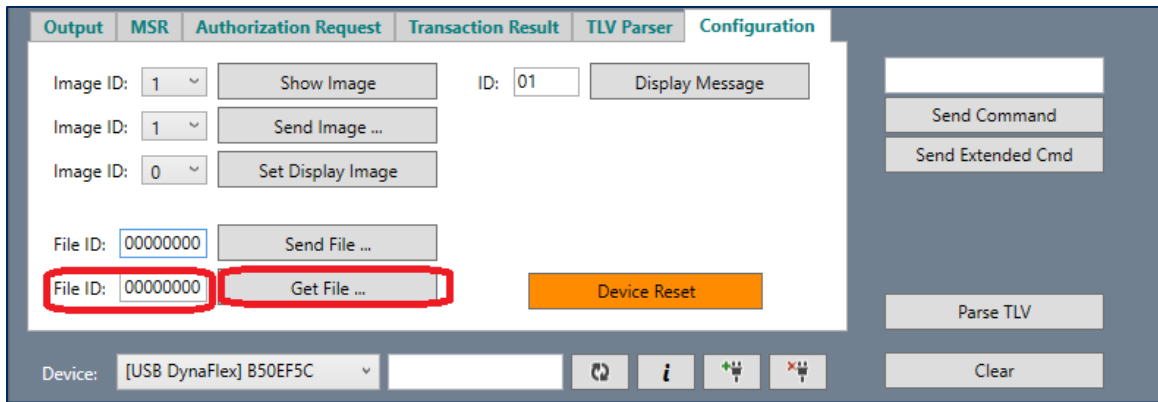13) The Output will show the result of the file sent to the device.

14) To get a configuration file from the device, enter the File ID and then press the Get File button

15) Enter a desired file name and press the Save button.