MagTek Universal SDK

For MMS Devices
EMVConfiguration Console Manual (Linux)

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Table 0.1 – Revisions

Rev Number	Date	Notes
100	February 1, 2024	Initial release

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Table of Contents

1   Introduction

This document provides instructions to use the MTUSDK EMVConfiguration Console. The console sends either a .BIN file or contents of an Excel file to the device. BIN files are directly send to the device. Excel files are processed by Magensa Remote Services web service. The resulting BIN data is sent to the device.

This document is part of a larger library of documents designed to assist Secure Card Readers implementers, which includes the following documents available from MagTek:

* *D998200570 MAGTEK UNIVERSAL SDK PROGRAMMER'S MANUAL (LINUX)*

* *D998200489 DYNAPROX PROGRAMMER'S MANUAL (COMMANDS)*

* *D998200383 DYNAFLEX PRODUCTS PROGRAMMER'S MANUAL (COMMANDS)*

2 How to Connect to MTUSDK EMVConfiguration Console

To connect via an interface follow these steps:

2.1 Connect via USB Interface

1) Connect the device to the USB port of the Linux computer.
2) The first time, allow a moment for the host to recognize the device.
3) The console automatically connects to the first USB DynaProx it finds. If specified used as below.

```
-d usb://
```

2.2 Connect via Serial Interface

1) Connect the device to the Serial port of the Linux computer.
2) The EMVConfiguration console accepts a device path of either usb or serial. Serial may be in one of the following formats pending on the system hardware.

```
-d serial://port=/dev/ttyS1
-d serial://port=/dev/serial0
-d serial://port=/dev/ttyUSB0
```

3) Set the appropriate device path when specifying –d in the command line.

3   How to use the EMVConfiguration Console

The following instructions are for using the MTUSDK Test console on a Linux operating system.
In these examples, lines are removed and replaced with ". . ." for brevity.

3.1   BIN File

To send an individual BIN configuration file to the device follow these steps.

1) After the name of the console, enter:

        [cfg.bin] Name of the .bin file

        -t   File type (excel or bin)

        -i   File Id number. 8 digit file id.

```
00000000  TERMINAL
00000100  PROCESSING
00000200  ENTRYPOINT
00000300  CA KEYS
00000500  AMEXDRL
```

        -d   Device path. Optional if using USB.

    Example: Terminal configuration bin file

```
$ sudo ./emvconfiguration cfg00000000.bin –t bin –i 0000000000
```


2) Then press Enter key. The result is shown similar as below.

```
Connect to usb
  progress (33)
  progress (66)
  progress (100)
  result (0)
send file – 00000000 successfully
```


3) The console exits afterwards.

3.2 Excel File

To send an Excel configuration file to the device follow these steps. Excel may contain one or multiple configurations.

1) After the name of the console, enter:
        [cfg.xlsx] Name of the .excel file
        -t   File type (excel or bin)
        -d   Device path. Optional if using USB.

Example: Excel configuration file

```
$ sudo ./emvconfiguration cfg.xlsx –t excel
```

2) Then press Enter key. The EMVConfiguration console will connect to Magensa Remote Services, send the excel content for conversion into .bin format, and then send each .bin file to the device.

The result is shown similar as below.

```
Connect to usb
  progress (33)
  progress (66)
  progress (100)
  result (0)
update config – 00000000 successfully
  progress (4)
  progress (9)
  progress (14)
  . . .
  result (0)
update config – 00000100 successfully
  progress (4)
  progress (9)
  progress (14)
  . . .
  result (0)
update config – 00000200 successfully
  progress (4)
  progress (9)
  progress (14)
  . . .
  result (0)
update config – 00000300 successfully
  progress (4)
  progress (9)
  progress (14)
  . . .
  result (0)
update config – 00000500 successfully
```

3) The console exits afterwards.