

MagTek Universal SDK

For MMS Devices
Update Firmware 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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1 Introduction

This document provides instructions to use the MTUSDKNET Update Firmware Console 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:

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

2 - How to Update Firmware

2 How to Update Firmware

The following instructions are for using the MTUSDK console to update firmware on a Linux operating system. In these examples, lines and data are removed and replaced with “...” for readability.

2.1 Update Firmware

- 1) Enter the command line with the device path to which the device is connected.

```
sudo ./update_firmware [options]
options :
-d devicepath : path to open device, default path is usb://
-t firmware_type : 1 main firmware, 2 Wifi firmware
example :
update_firmware firmware.bin -t 1 -d serial://port=/dev/ttyS1
sudo ./update_firmware firmware.bin -t 1 -d serial://port=/dev/ttyS1
```

- 2) The console calls `updateFirmware()`.

From this point, the SDK sends the firmware in packets to the device. After each packet is received by the device, the SDK is notified and triggers the callback `OnProgress()`. The console displays each progress event.

```
progress (1)
...
progress (68)
progress (99)
progress (100)
```

- 1) DO NOT POWER CYCLE OR DETACH FROM HOST during this time.
- 2) When the update is complete, the console displays as shown below. 0 is success. The device will power cycle.

```
progress (100)
result(0)
```