![MAGTEK® SECURITY FROM THE INSIDE]

iDynamo6 / tDynamo

How to Perform a Remote Firmware and IPEK Key Update Using the MagTek Reader Configuration Tool

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Table 0.1 – Revisions

Rev Number	Date	Notes
10	January 3, 2023	Initial release

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Table of Contents

1   Introduction

This document lays out the procedures for using MagTek's Reader Configuration Tool to perform a remote firmware update, and remote IPEK Key update. For additional support, contact MagTek Support Services.

2   Downloads and Applications

1. Click here to download the MagTek Remote Service application for firmware update
2. Open the Magtek Reader Configuration Application. No login is required for firmware updates. See **Figure 1 - MagTek Reader Configuration Login**
3. Click **Use Public Account**
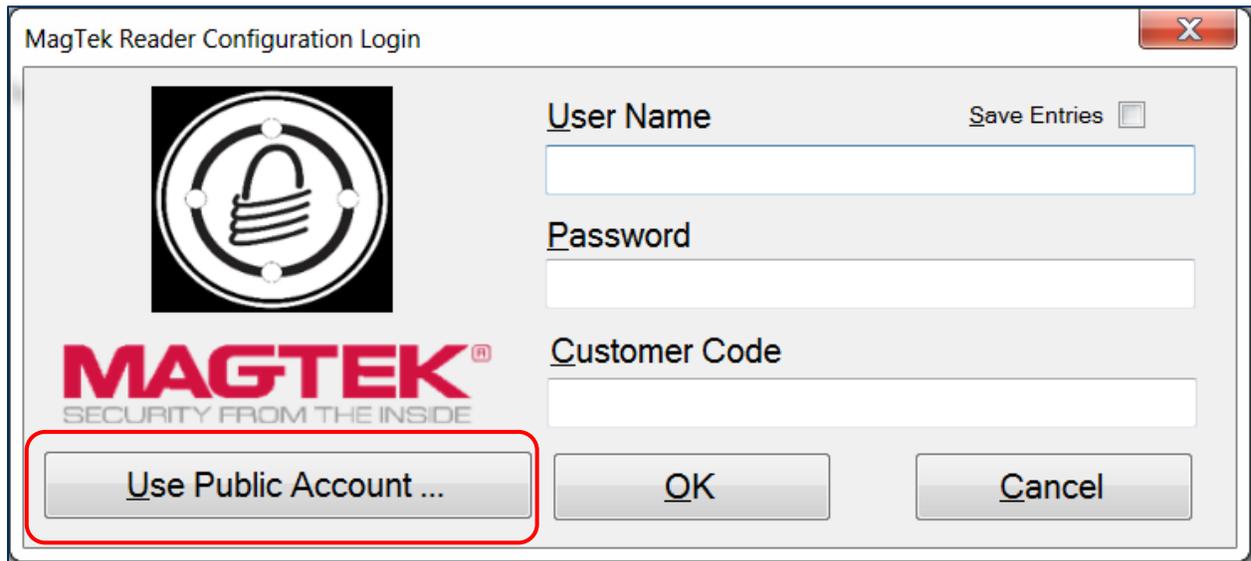
Figure 1 - MagTek Reader Configuration Login

Once a successful connection has been established, the reader information will be displayed as seen in **Figure 2 - Reader Information: Change Configuration Tab.**
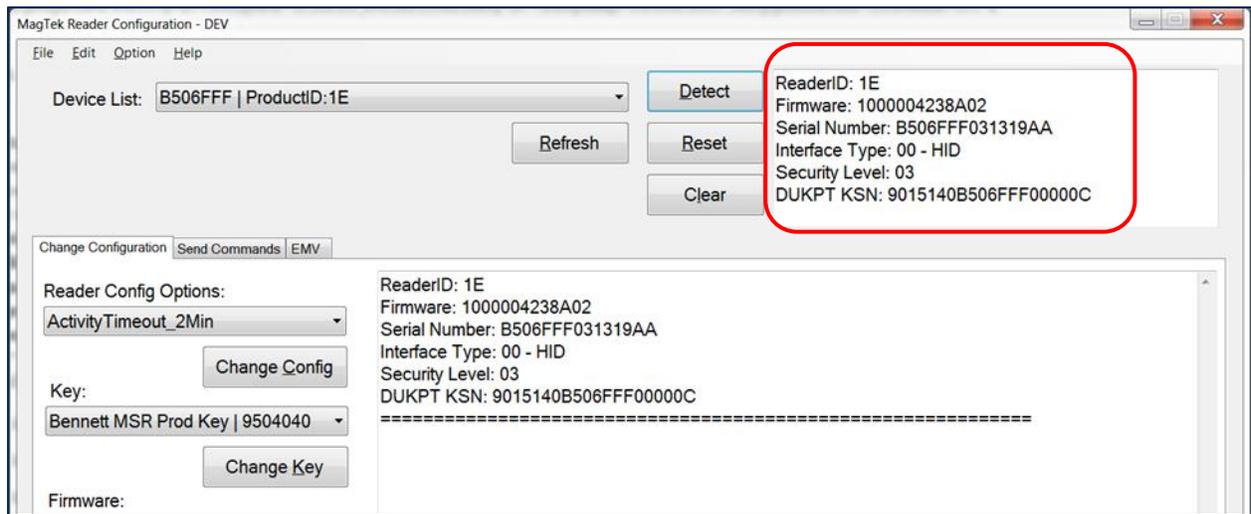
Figure 2 - Reader Information: Change Configuration Tab

3   Firmware Update

The following steps describe how to remotely update firmware.

    a. Click the "Download Firmware" button, a popup window will appear. **Figure 3 - Download Firmware.**

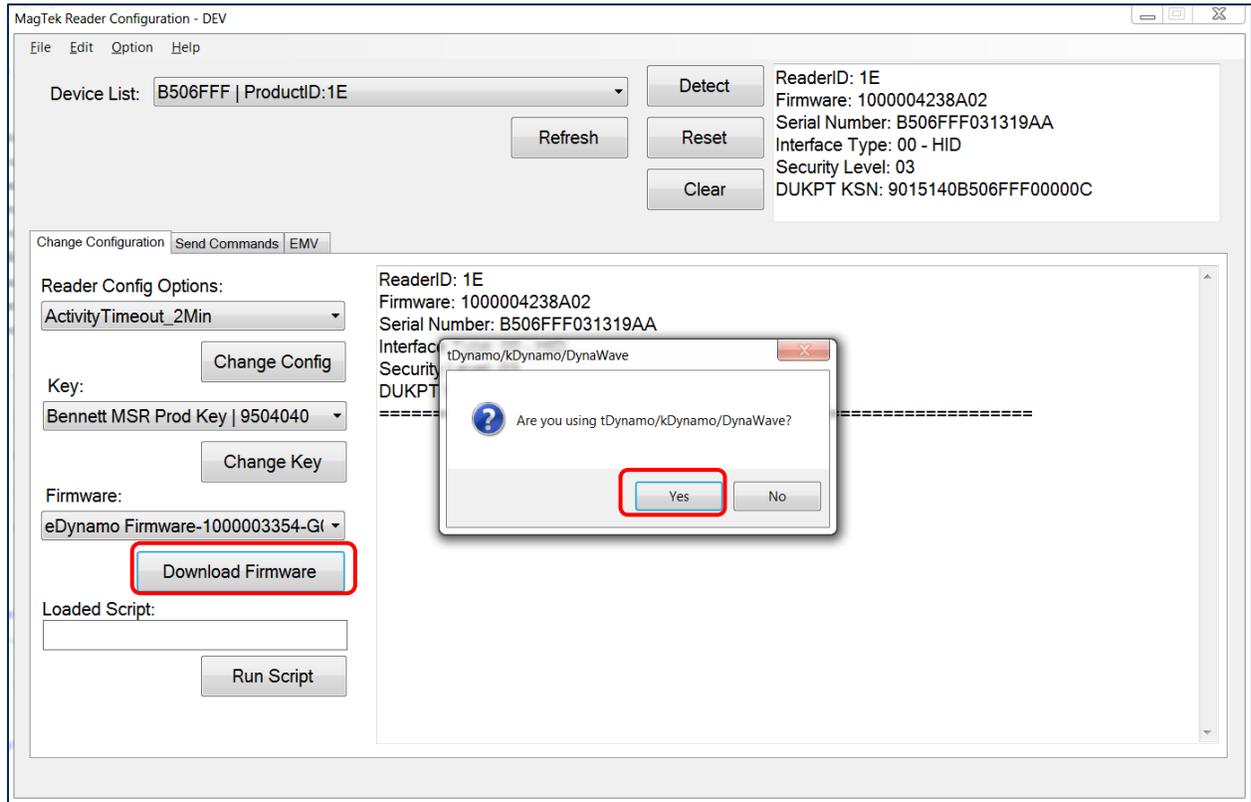   b. Click **Yes**

    c. Select the new firmware file

Figure 3 - Download Firmware
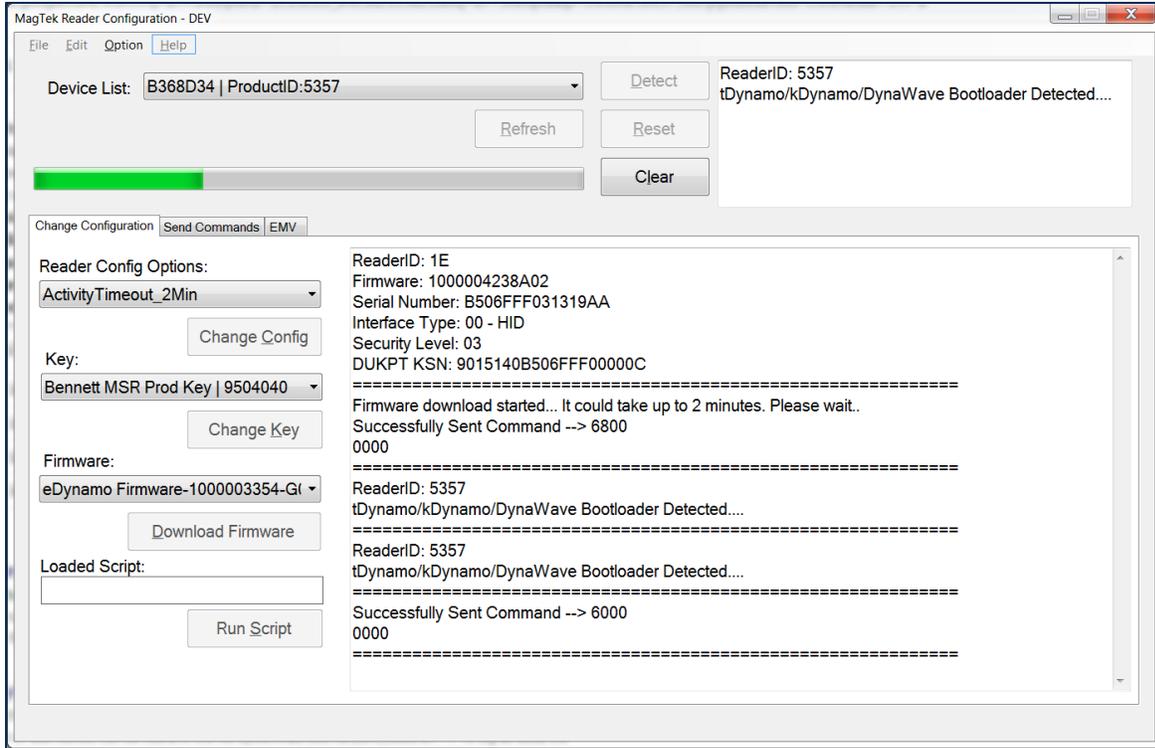
Figure 4 - Firmware Download in Progress
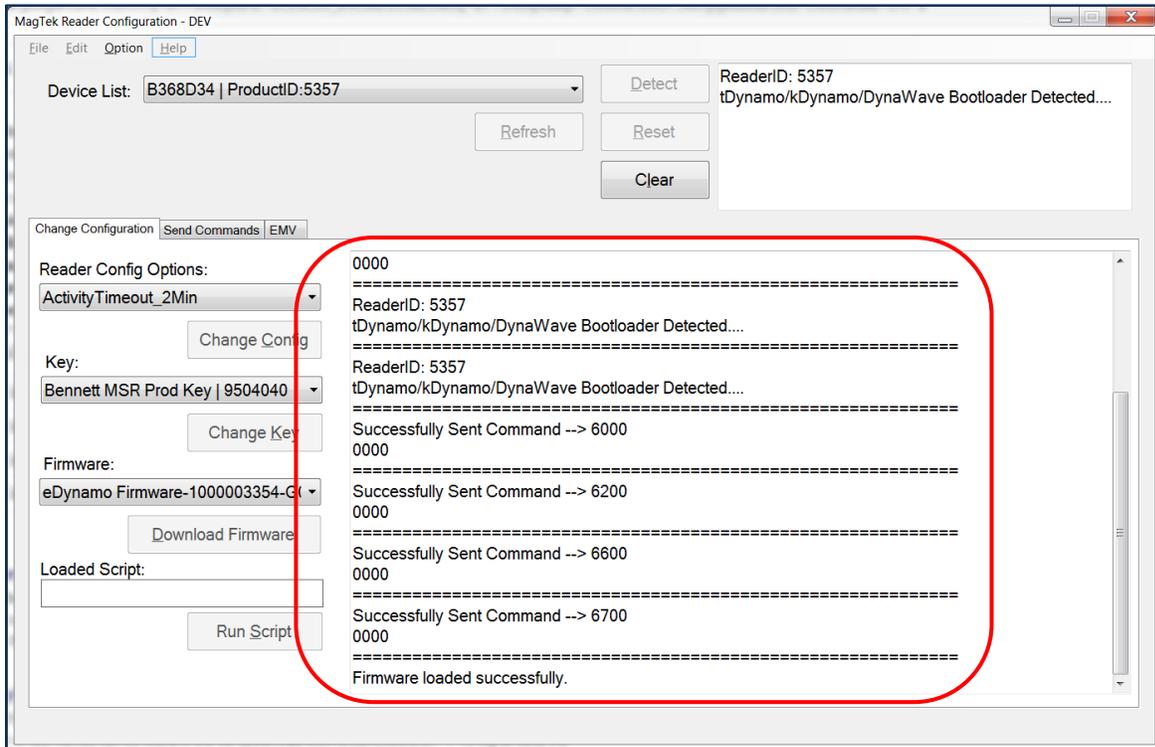

Figure 5 - Firmware Downloaded

    d.   The Reader data has been reset after firmware has been loaded successfully, see **Figure 5 - Firmware Downloaded.**

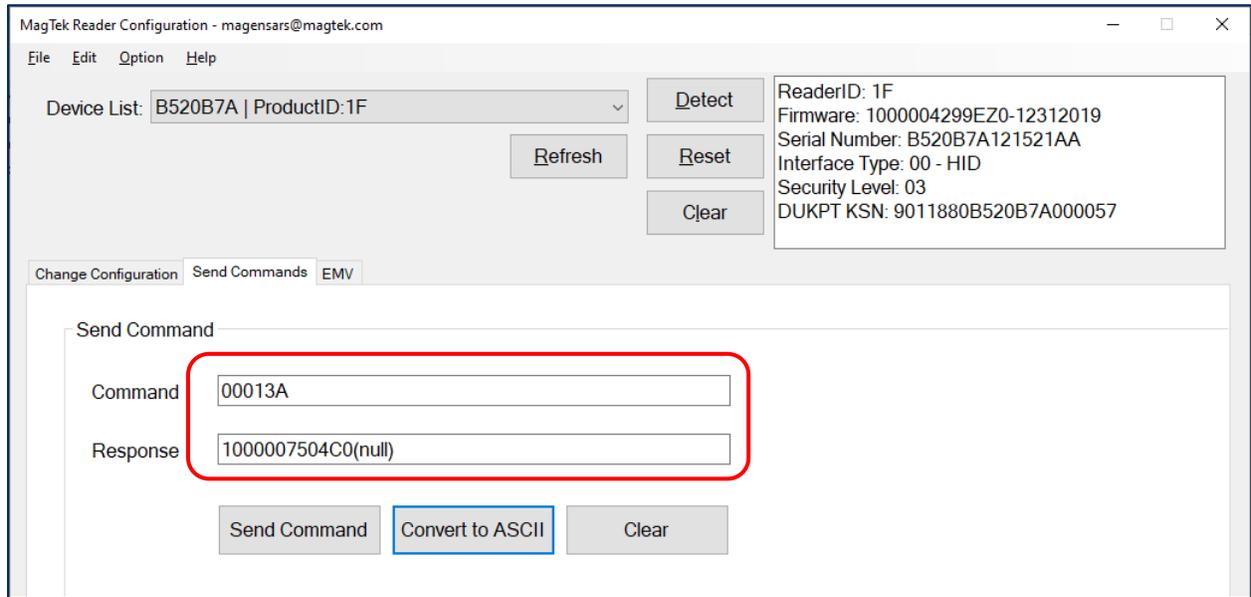   e.   Send command 00013A to fetch firmware ID on the Send Commands tab.

Figure 6 - Send Commands Tab

4   IPEK Key Update

To update the IPEK Key, it must be changed. The following steps describe how to change the key which will automatically set the encryption counter field to 1.

    a.   Click Use Public Account

Figure 7 - MagTek Reader Configuration Login

    a.   Select the correct key from the pulldown menu see **Figure 8 – IPEK Key Prior to Change.**

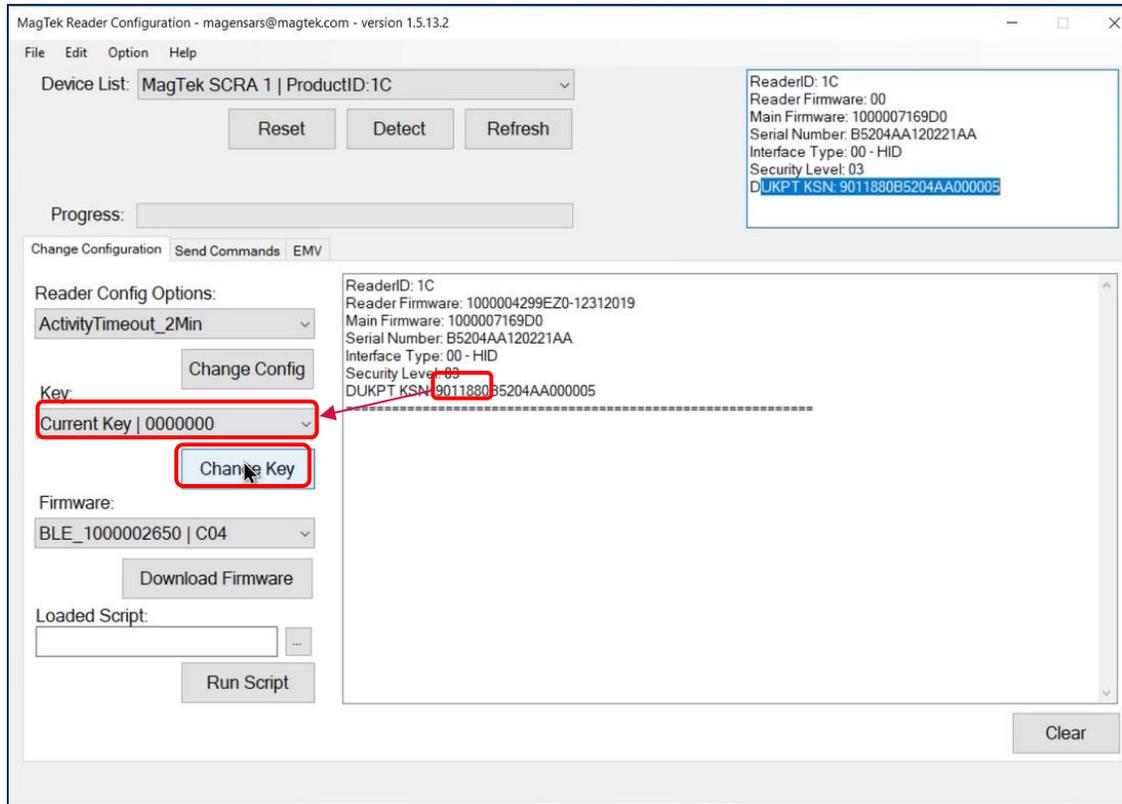   b.   Click **Change Key** See **Figure 8 – IPEK Key Prior to Change.**

Figure 8 – IPEK Key Prior to Change

c.   Click **Yes** to continue see **Figure 9 - Change Key Confirmation.**
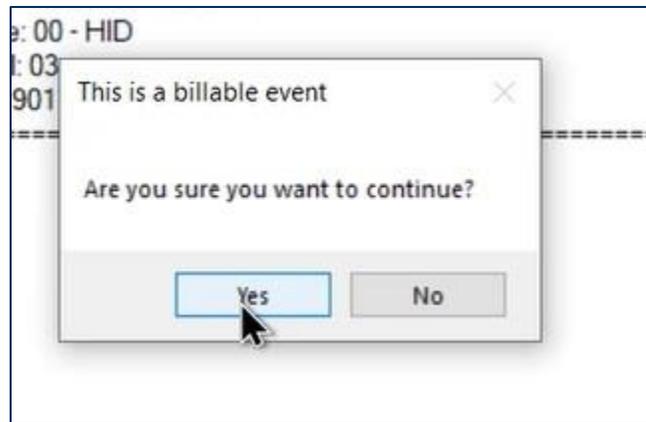
d.   Click **OK** when the next prompt appears

Figure 9 - Change Key Confirmation
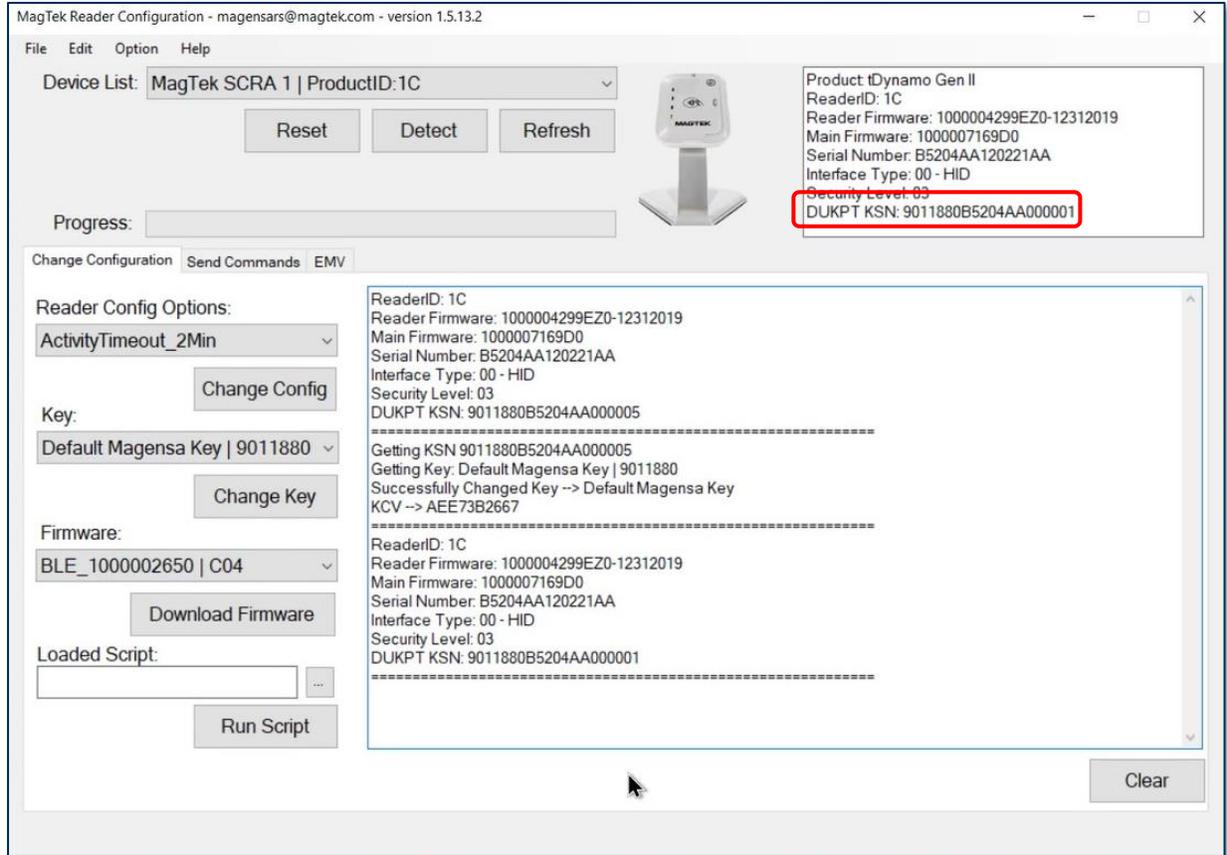
e.   Once the key is changed, the encryption counter field is reset to 1 as seen in **Figure 10 - Successful IPEK Key Change.**

4 - IPEK Key Update

Figure 10 - Successful IPEK Key Change