

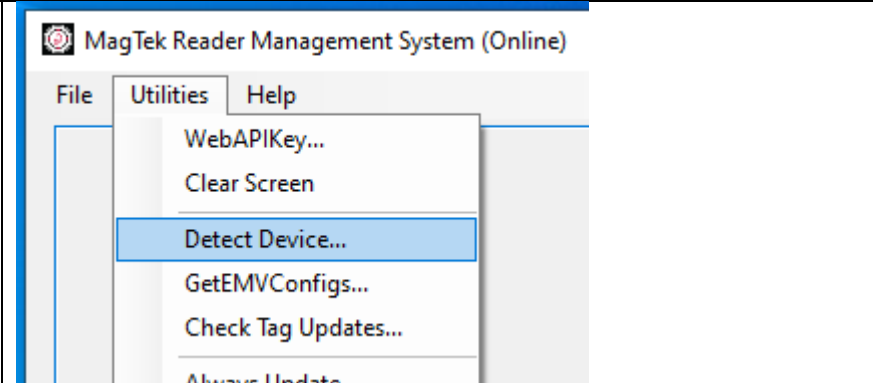


MagTek tDynamo GenII CAPK File Update Guide (Windows USB)

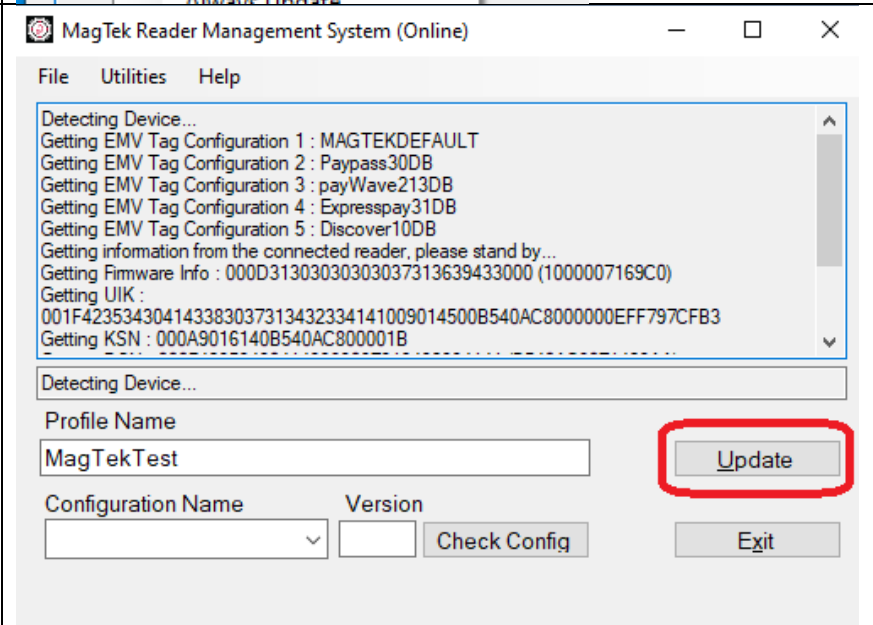
This guide will walk you through the steps to update your MagTek tDynamo GenII CAPK files as required by the Card Brands. This process requires the use of MagTek's free Reader Management System Window application. This update process should take no more than 15 minutes per device.

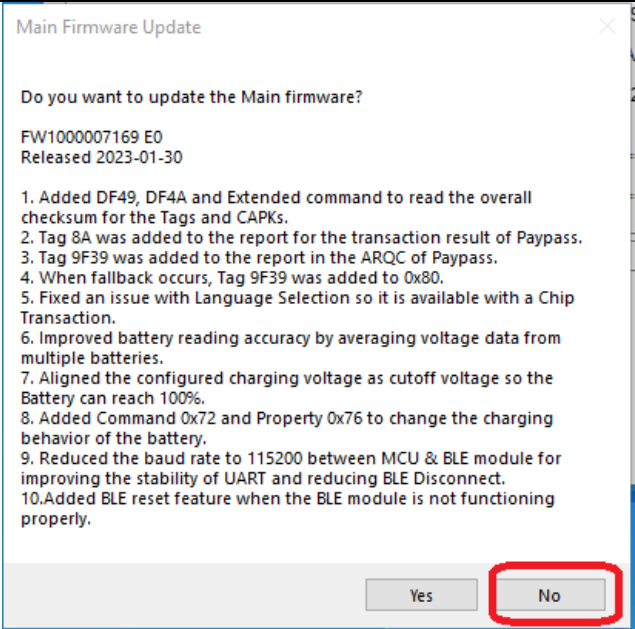
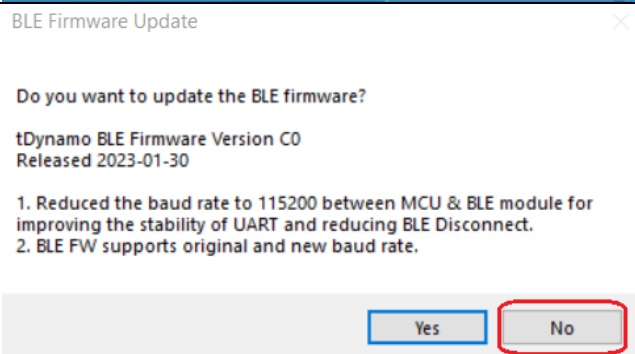
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| <p>1) Download and install the MagTek RMS from this URL: https://paoli.magensa.net/ReaderSupport/FirmwareUpdateClient/publish.htm</p> | <div data-bbox="1199 483 1915 634"><p>MagTek, Inc. Reader Management System</p></div> <p>Name: Reader Management System</p> <p>Version: 1.4.0.0</p> <p>Publisher: MagTek, Inc.</p> <p>The following prerequisites are required:</p> <ul style="list-style-type: none">• Microsoft .NET Framework 4.7.2 (x86 and x64) <p>If these components are already installed, you can launch the appli button below to install the prerequisites and run the application.</p> <div data-bbox="1199 1133 1360 1170"><p>Install</p></div> |
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- 2) Connect the tDynamo USB cable to the PC.
 - a) Ensure the USB cable is connected directly to the PC and not a separate attachment like a USB hub or docking station.
 - b) Open the **RMS** app.
 - c) Click on **Utilities** ...then **Detect Device**,



- 3) If successfully detected, the window will display text like what is shown in the image to the right.
 - a. If the device was not successfully detected:
 - i. Ensure the USB cable is firmly connected to the device and the PC.
 - ii. Ensure the device is charged and powered on.
- 4) In the Profile Name field replace any existing text with **MagTekTest** (no spaces). Then, click the **Update** button.



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| <p>5) If RMS detects a firmware update is available, then click No.</p> |  <p>Main Firmware Update</p> <p>Do you want to update the Main firmware?</p> <p>FW1000007169 E0 Released 2023-01-30</p> <ol style="list-style-type: none">1. Added DF49, DF4A and Extended command to read the overall checksum for the Tags and CAPKs.2. Tag 8A was added to the report for the transaction result of Paypass.3. Tag 9F39 was added to the report in the ARQC of Paypass.4. When fallback occurs, Tag 9F39 was added to 0x80.5. Fixed an issue with Language Selection so it is available with a Chip Transaction.6. Improved battery reading accuracy by averaging voltage data from multiple batteries.7. Aligned the configured charging voltage as cutoff voltage so the Battery can reach 100%.8. Added Command 0x72 and Property 0x76 to change the charging behavior of the battery.9. Reduced the baud rate to 115200 between MCU & BLE module for improving the stability of UART and reducing BLE Disconnect.10. Added BLE reset feature when the BLE module is not functioning properly. <p>Yes No</p> |
| <p>6) If RMS detects a BLE firmware update, just click No.</p> |  <p>BLE Firmware Update</p> <p>Do you want to update the BLE firmware?</p> <p>tDynamo BLE Firmware Version C0 Released 2023-01-30</p> <ol style="list-style-type: none">1. Reduced the baud rate to 115200 between MCU & BLE module for improving the stability of UART and reducing BLE Disconnect.2. BLE FW supports original and new baud rate. <p>Yes No</p> |

- 7) If needed RMS will update CAPK files and EMV tags automatically.
- 8) If successful, the log will display **“ALL Done!”**
- 9) This completes the update. Click **Exit** on the RMS tool window.

