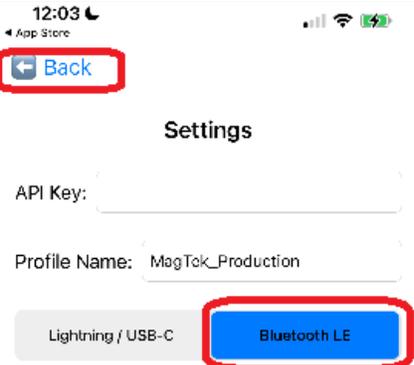
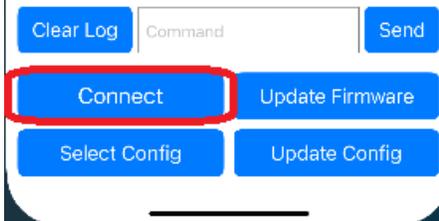
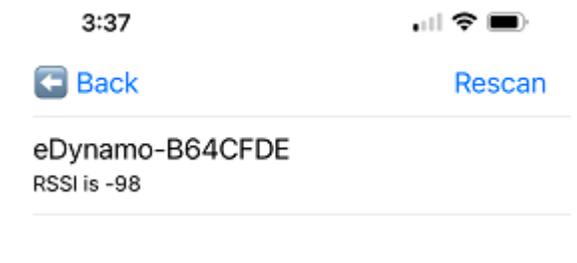
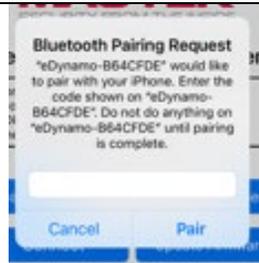


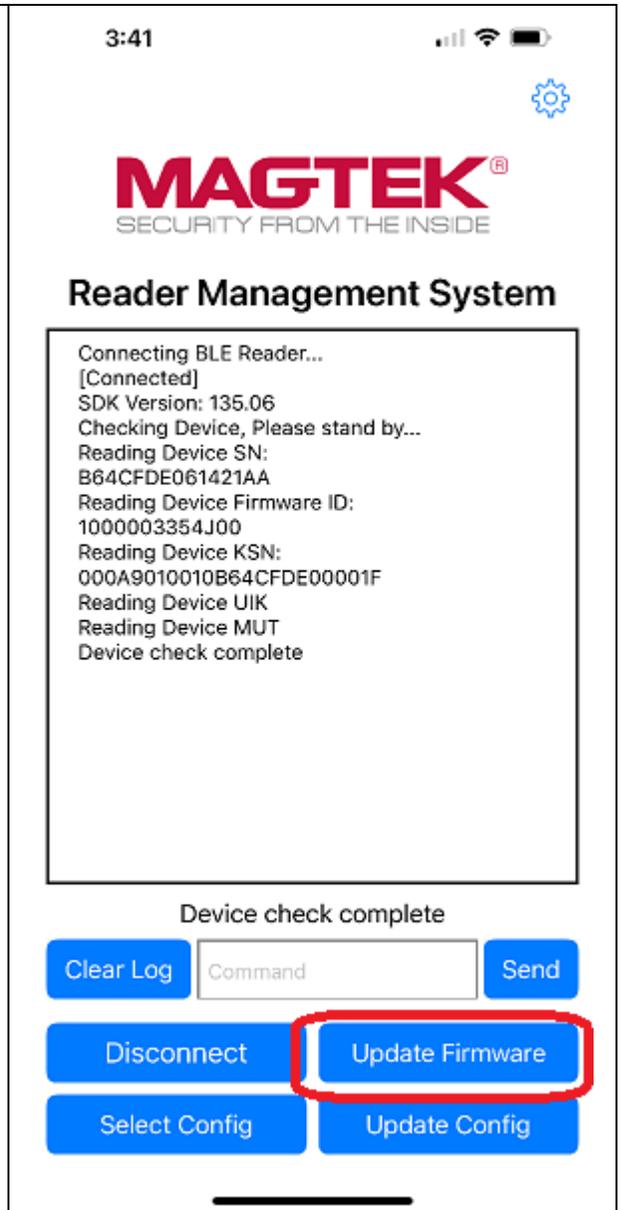
**Quick Installation Guide**  
Firmware and EMV Update

The purpose of this document is to walk users through the steps to update MagTek eDynamo, through Bluetooth LE, with the latest firmware, EMV tags, and CAPK files as required by the Card Brands. This process requires the use of MagTek’s free **Reader Management System** iOS app. This update process should take less than 15 minutes per device.

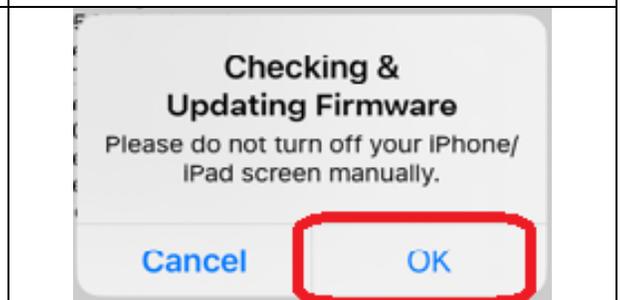
<p>1. Download the <b>MagTek Reader Management System</b> from the App Store. <b>Open</b> the app.</p>	
<p>2. On the host device tap <b>[Settings]</b> to access the settings screen.</p>	
<p>3. In the settings screen, tap <b>[Bluetooth LE]</b> button. Confirm Profile Name is <b>[MagTek_Production]</b>.</p> <p>4. Skip this step if you haven’t received a custom <b>WebAPI key</b>.</p> <p>4.1 If you have received an email with a custom <b>WebAPI Key</b> and <b>Profile Name</b> from MagTek, then enter both values in the <b>Settings</b> Screen.</p> <p>4.2 Skip this step if you haven’t received a custom <b>WebAPI key</b>. The default <b>Profile Name</b> is <b>MagTek_Production</b>.</p> <p>5. Tap <b>&lt;Back arrow&gt;</b> to return to the main screen</p>	

<p>6. Press the pushbutton for 2 seconds until the Bluetooth LE status LED starts flashing. The Bluetooth status LED flashes blue once every two seconds until a host pairs or connects.</p>	
<p>7. Tap <b>[Connect]</b>.</p>	
<p>8. Select <b>[eDynamo]</b>.</p>	
<p>9. Select (Tap) the device by serial number, e.g. <b>[eDynamo-B640CDEF]</b>.</p>	
<p>10. Enter pairing code <b>[000000]</b> and tap on <b>[Pair]</b></p>	

11. The **RMS** app will connect to the reader and check the device serial number (SN), Main firmware version, and KSID. Tap on **[Update]**.



12. **Do not turn off iPhone/iPad or switch screens during update.** Tap **[OK]** button.



13. If **RMS** detects an older firmware version, then the new firmware release notes and features are presented. Tap **[Yes]** or **[No]** to update the main firmware.

Do you want to update the Main firmware?

FW1000007169 G0  
Enhancements and Features

- o General enhancements
- o Updated data handling
- o Updated transaction handling during low battery

FW1000007169 E0 Released 2023-01-30

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

14. The main firmware downloads, installs, and the progress bar is displayed. The reader's bottom LED turns **RED** during the firmware update. The firmware update may take up to 5 minutes to complete.

Beginning tDynamo Gen 2 Main Firmware G0 Update...  
[Disconnected]  
[Bluetooth LE Reader Disconnected]  
Detecting Device...

Progress: 81.7%

15. **[All Done!]** message appears in the log when complete. You may exit **[X]** the application and test the reader.

Update  
Main firmware updated successfully  
[Loading Tags configurations...]  
Loading MagTek Default Contact Tags and  
CAPK...  
Done Loading MagTek Default Contact Tags  
and CAPK  
No configuration description received  
No Configuration Named:  
MagTek\_Production-payWave213DB  
Updating Amex ExpressPay Tags and CAPK...  
Done Updating Amex ExpressPay Tags and  
CAPK  
Updating Discover Tags and CAPK...  
Done Updating Discover Tags and CAPK  
Done Loading Tags configurations

Total time was: 10 minutes 34 seconds for  
updating FW  
There were 3204 Commands Processed  
(include BLE if have) for updating FW

All Done!  
[Disconnected]  
[Bluetooth LE Reader Disconnected]