

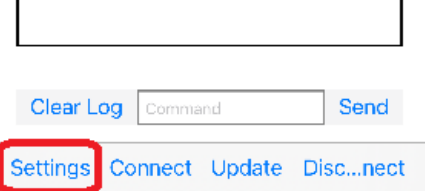
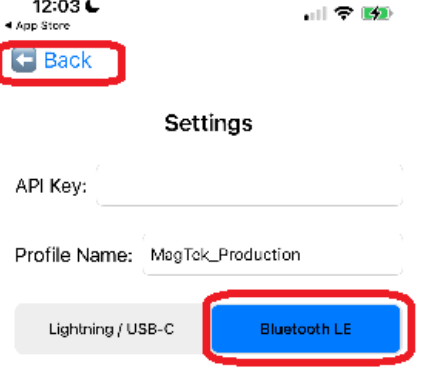

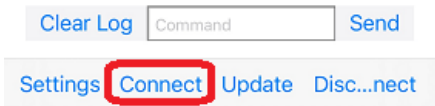
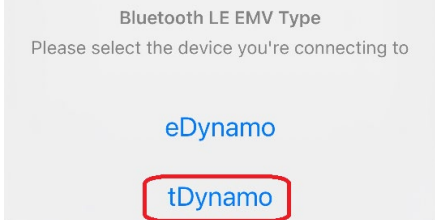
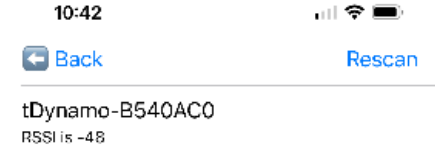
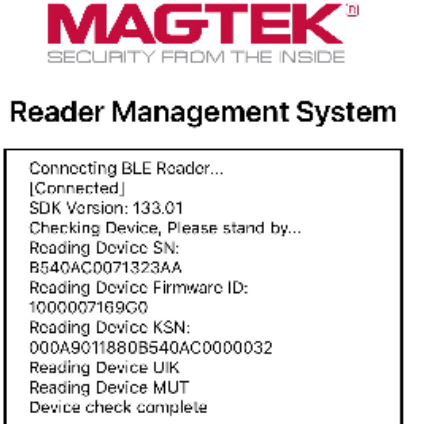


**Quick Installation Guide**  
Firmware and EMV Update

The purpose of this document is to walk users through the steps to update MagTek tDynamo 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. Ensure the tDynamo is fully charged or plugged into a power source. To check the battery charge level, ensure the device is powered on and awake, then briefly tap the side pushbutton. The Status LEDs light up to show the battery level as follows:</p> <ul style="list-style-type: none"> <li>• <b>One</b> LED = Battery level is <b>under 50%</b></li> <li>• <b>Two</b> LEDs = Battery level is between <b>50% and 70%</b></li> <li>• <b>Three</b> LEDs = Battery level is between <b>70% and 90%</b></li> <li>• <b>Four</b> LEDs = Battery level is <b>above 90%</b></li> </ul>	
<p>3. On the host device tap <b>[Settings]</b> to access the settings screen.</p>	
<p>4. In the settings screen, tap <b>[Bluetooth LE]</b> button. Confirm Profile Name is <b>[MagTek_Production]</b>. Tap <b>&lt;back arrow&gt;</b> to return the main screen</p>	

<p>5. Put the tDynamo into pairing mode by pressing the pushbutton for 2 seconds. The bottom LED flashes a faint <b>BLUE</b> for up to 2 minutes or until a host pairs or connects.</p>	
<p>6. Tap <b>[Connect]</b>.</p>	
<p>7. Select <b>[tDynamo]</b>.</p>	
<p>8. Select the device by serial number, e.g. <b>[tDynamo-B540ACO]</b>.</p>	
<p>9. If the reader connects and displays the firmware ID, Device KSN, and MUT, then <b>proceed to step 14</b>.</p> <p>If you receive the <b>[This BLE device is not paired]</b> message, then <b>proceed to Step 10</b>.</p>	

10. If the device hasn't been previously paired to the Apple device, then a **[This BLE device is not paired]**. Enter Pairing mode in Step 11.



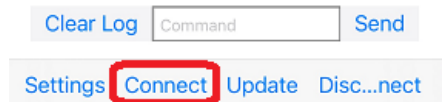
**Reader Management System**

Reconnecting BLE Reader...  
[Device Not Paired]  
This BLE Device is not paired yet  
Please wait for 10 seconds, and then enter  
the pairing mode and pair the Device first.

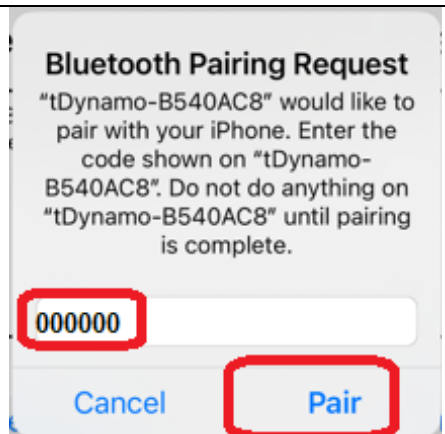
11. Press and hold the side push button for 2 seconds until the three LEDs flash **GREEN** then off. Release the push button. The device is in pairing mode and bottom LED flashes **BLUE** for up to 2 minutes or until a host pairs or connects.



12. Tap **[Connect]**.



13. Enter pairing code **[000000]** and tap on **[Pair]**



14. The **RMS** app will connect to the reader and check the device S/N, Main firmware version, and KSID. Tap on **[Update]**.

```
Reconnecting BLE Reader...  
[Disconnected]  
[Bluetooth LE Reader Disconnected]  
[Connected]  
SDK Version: 133.01  
Checking Device, Please stand by...  
Reading Device SN:  
B540AC8771423AA → 7 digit S/N  
Reading Device Firmware ID:  
1000007169C03 → Rev C firmware  
Reading Device KSN:  
000A90161409540AC800001B  
Reading Device UIK → 7 digit KSID  
Reading Device MUT  
Device check complete
```

Device check complete

Clear Log  Send

Settings Connect **Update** Disc...nect

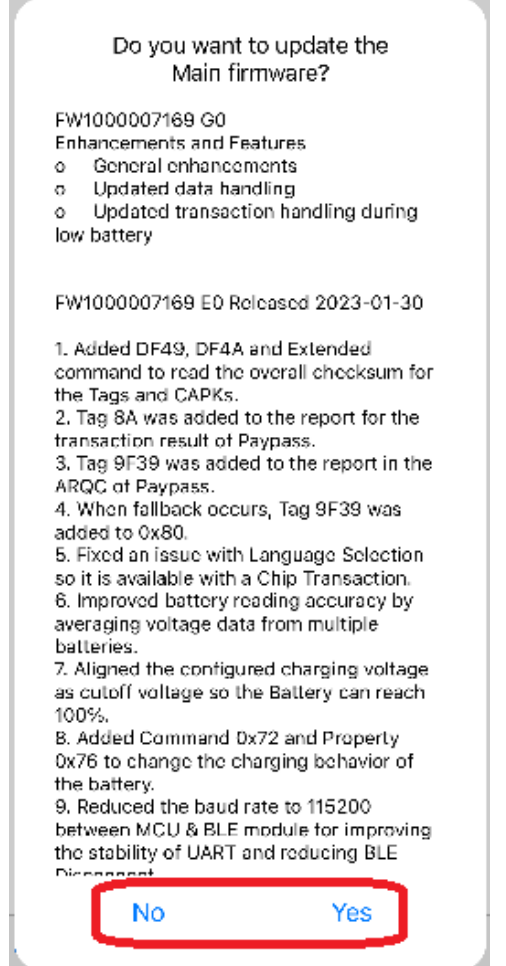
15. Tap **[OK]**.

**Checking &  
Updating Firmware**  
Please do not turn off your iPhone/  
iPad screen manually.

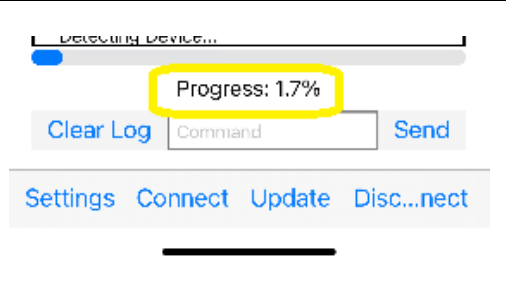
Cancel

**OK**

16. 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.



17. The main firmware downloads, installs, and 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. The CAPK and EMV tags will be updated to the latest MagTek Hybrid Universal with release date [##/##/####]. An EMV update event is recorded in the RMS database for this serial number for future EMV file updates.



18. **[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]
```