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Dallas, Texas, USA

LENNOX® CORE UNIT CONTROLLER (M4)



INSTALLATION INSTRUCTIONS FOR CORE UNIT CONTROLLER (M4) FIRMWARE UPDATE

! IMPORTANT

Improper installation, adjustment, alteration, service or maintenance can cause personal injury, loss of life, or damage to property.

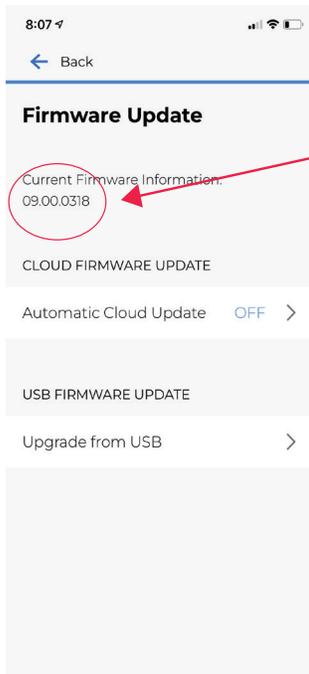
Installation and service must be performed by a licensed professional installer (or equivalent) or a service agency.

Overview

Firmware updating is available using the M4 Unit Controller USB port. Use the following procedures to update the M4 Unit controller firmware.

CONFIRMING CURRENT M4 UNIT CONTROLLER FIRMWARE VERSION

Using the CORE Service app navigate to **MENU > RTU MENU > SERVICE > FIRMWARE UPDATE**. At the top of the screen will be listed the current firmware version.



Preparing USB Flash Drive

USB flash drive media must be formatted using the FAT32 file system. Recommended USB flash drive up to a maximum of 32GB capacity.

FILES NEEDED FOR UPDATE

Files needed to upgrade M4 unit controller from USB flash drive: COREXXXXXXXXX.C1F

NOTE: Recommend all uppercase, but not mandatory.

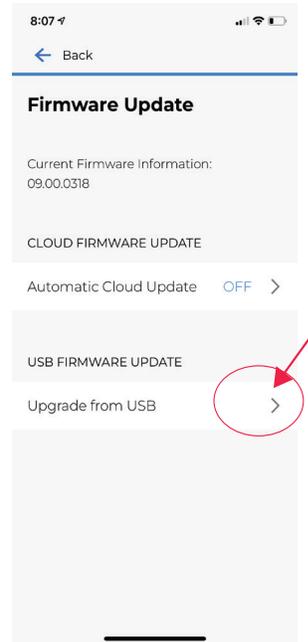
NOTE: The xxxxxxxx are place holders for major and minor versions and build number information in the actual file name, and varies from one version to the next.

CREATING FOLDER

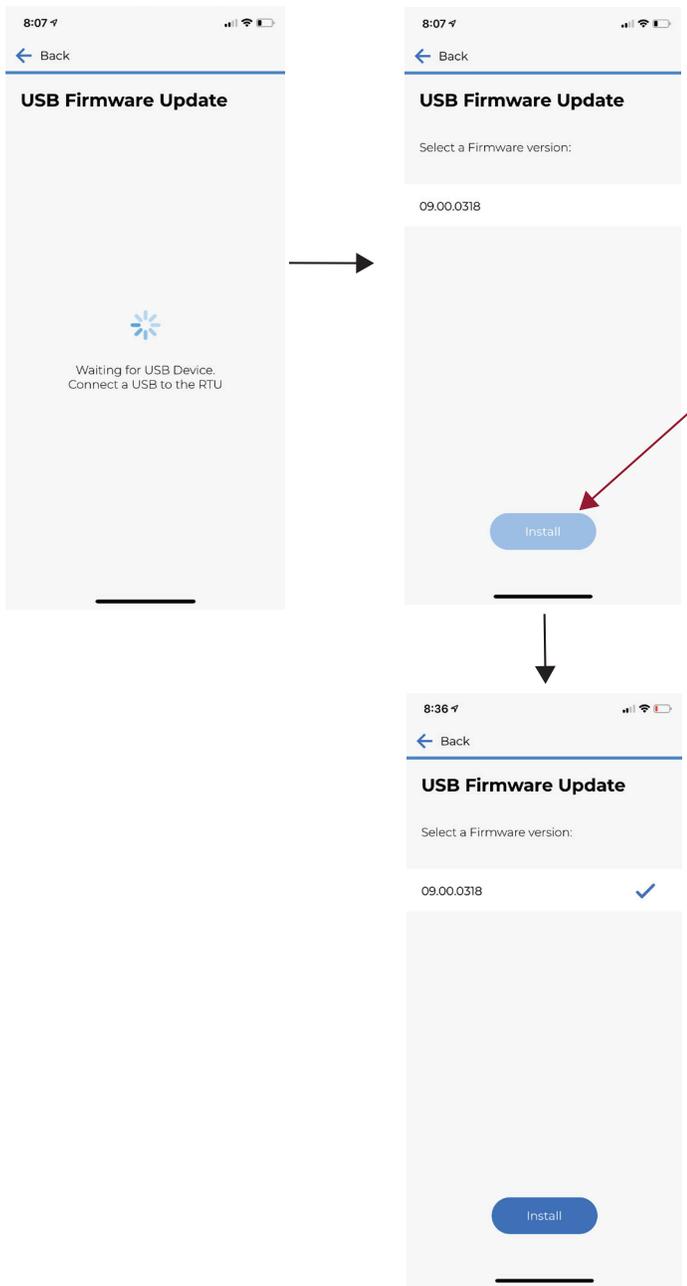
1. Create a folder on the root of the USB flash drive called "Firmware".
2. Create a sub-folder under the "Firmware" folder called "M4".
3. Place a copy of the COREXXXXXXXXX.C1F file into the sub-folder labeled "M4".

Updating Firmware

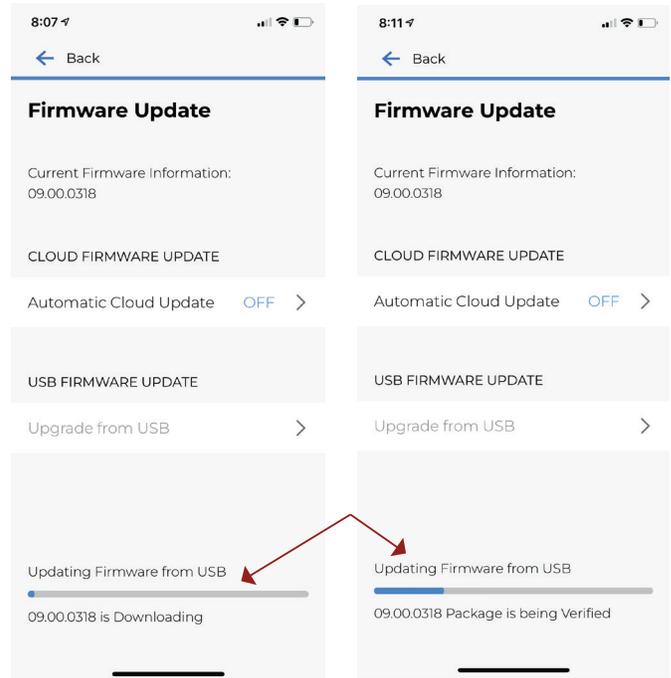
1. Insert the USB flash drive into the CORE Unit Controller USB port.
2. Use the CORE Service app to update the firmware. Navigate to **MENU > RTU MENU > SERVICE > FIRMWARE UPDATE** and select **Upgrade from USB** option.



3. On the next screen the firmware version on the USB flash drive will be displayed. To proceed, select **Install**.



4. The next screen will display the firmware update status.



5. After the firmware update is completed a confirmation screen will pop-up indicating that the update is completed and the system will reboot.
6. Once the unit controller has rebooted and the CORE Service app has reconnected, it is recommended to repeat steps 1 and 2 to verify the firmware has been updated.

NOTE: Firmware information is also listed on the unit controller's seven segment display during boot-up. The firmware is listed in the following order:

- Major
- Minor
- Build

NOTE: Firmware updates do not alter the unit controller configuration settings. All settings will be retained after the firmware has been updated.

NOTE: A firmware upgrade will take 10 to 15 minutes.

Saving and Loading System Profile

SAVING SYSTEM PROFILE

This functionality saves a “profile” on the controller. What that means is that it sets a restore point on the controller that the controller can be returned to in case the controller is configured incorrectly, loses configuration, etc. This profile is created from the parameters already saved on the controller.

Because of that, there is no need to source a file from the USB, mobile app, etc. Instead, the user just clicks save, and the controller saves the appropriate parameters internally.

1. Insert a compatible USB storage device
2. On the CORE service app, go to **RTU MENU > REPORT** and select **SYSTEM PROFILE**.
3. Type a unique name for the profile in the **PROFILE NAME** field
4. Choose **SAVE** under either **MOBILE** or **USB** depending on the device you would like to use.
5. If **MOBILE** is selected, your device will prompt you to choose a location to save too.

NOTE: *If the CORE Service App indicates the unit controller was unable to read the USB storage device, remove and reinsert USB storage device and attempt to save the profile again.*

LOADING SYSTEM PROFILE

1. Insert the USB storage device that contains the current saved System profile, or continue if you have a system profile saved on your mobile device.
2. Go to **SERVICE > REPORT**. Choose **LOAD** under mobile or USB, depending on where your system profile is saved.

NOTE: *The CORE Service app may indicate either the unit controller was unable to read the USB storage device or it is missing. Remove and reinsert USB storage device and attempt to load the System Profile again. If the issue continues, all data will have to be entered manually.*

3. Select the desired System Profile by using the CORE service app. If loading a system profile from USB, select **NEXT** to continue. If the process was completed successfully, the app will indicate “System Profile Loaded”

