

**WARNING:** Prior to performing these steps, read this document completely. Once installed, THUMB DRIVE MUST BE LEFT IN CONTROL THROUGHOUT UPDATE PROCESS.

1. **Cycle power off and remove thermostat wires and/or communication wires from SE control board.**  
**Remove J15 plug from SE control board and any wires on the sa bus as well as the FC Bus**  
**Cycle power on. Power must remain on throughout update process.**

**NOTICE:** Thumb drive size must be 16Gb or less and formatted for FAT or FAT32. Firmware must be on top level of thumb drive (Not in a folder)

For multiple units– have 2 or 3 thumb drives with firmware loaded onto them.

## STEP 1

### BACK UP UNIT SETTINGS:

MENU	▼Update
SUB MENU	↻▼Backup↻
BKP:WAIT	BCFG 0%

Insert thumb drive, navigate using joystick below display, down to “UPDATE” press “ENTER”, navigate down to “BACK UP” press “ENTER”.

SE control will save a copy of the unit settings on the thumb drive.

Display will show “BKP:WAIT”

When display shows “BKP:OK 100%” back up is complete.

## STEP 2A

### LOAD FIRMWARE:

Navigate UP to “LOAD FIRMWARE” press “ENTER”. Choose file: **4.3.0.15.upgrade.secusb.pkg** press “ENTER”. Press “ENTER” again to confirm. Display will show BKP: WAIT and FWU:WAIT with file names and percentages as they are loaded.

**NOTE:** When first part of update is complete, SE will reboot and **display may be blank, this is normal. Do not push any buttons at this point.** Firmware update should continue and may take 20-40 min. to complete. Let it run its course. When complete display will say fwu complete. Then proceed to Step 3A. **If it does not continue,** proceed to Step 2B

## STEP 2B

Load firmware manually using:

**4.3.0.15.secusb.pkg** When complete, proceed to Step 3A.

## STEP 3A

After control reboots and countdown is complete, cycle power off and plug in J15 to SE control and any wires that were landed on the sa bus as well as fc bus (comm wires). Cycle power on, SE control should begin to “push” firmware to add on boards within 5 minutes. **If it does,** allow it to complete and proceed to Step 3B.

**If it does not** begin “push” on its own load **4.3.0.15secusb.pkg** leaving J15 plugged in. When complete, proceed to Step 3B.

## STEP 3B

### RESTORE:

After SE reboots again and countdown is complete, navigate to **RESTORE** and locate the file that contains the unit serial number. **Press ENTER and Enter again to confirm,** Restore function will now load the settings back into the board that were saved during the back up process.

When complete, board will reboot. Once countdown is complete, remove thumb drive. Proceed to Step 3C.

## STEP 3C

### VERIFICATION:

Navigate to “Update” press “Enter” and press “Enter” on “View Version” Display must show “4.3.0.15” and on second line it must show “Firmware OK”. **If either line does not show above data** call Technical Services for assistance. **If it does,** proceed to Step 4.

## STEP 4

Cycle power off and reconnect thermostat and/or communication wiring to SE control board. Restore power and unit should resume normal operation.

**If UPDATE process fails at any point:**

**Call Technical Services at 888-823-4357**