



Heating & Cooling Products

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Pioneer Gold Bootloader Update Procedure

Overview

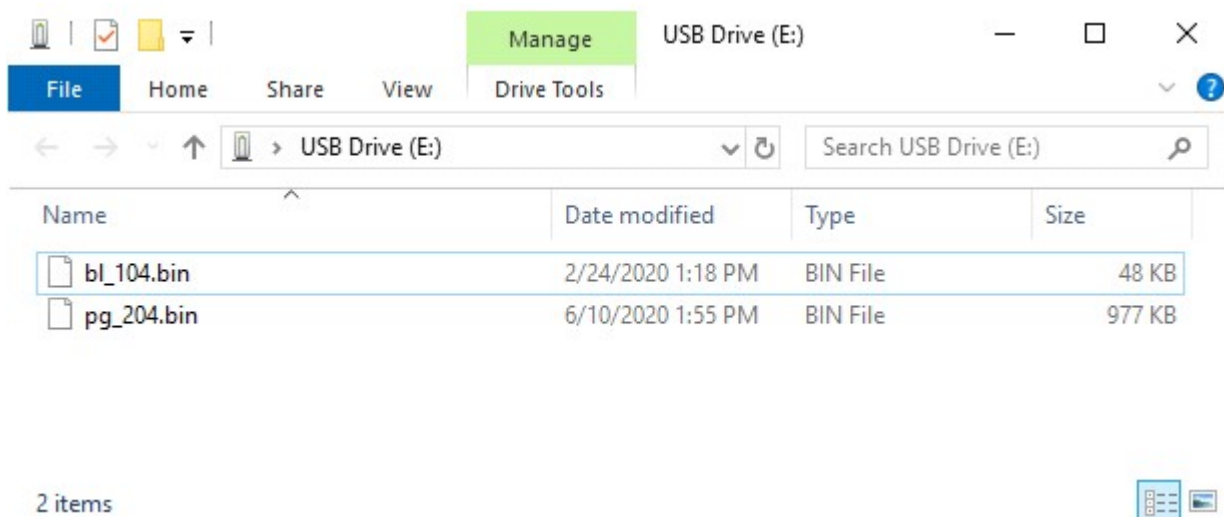
Pioneer Gold firmware SS1128 V2.04(and greater) require bootloader SSB0511 **version 1.04** or greater. This bootloader version allows the controller to utilize an improved setpoint saving method.

Procedure

Note: SS1128 V2.04 and SSB0511 V1.04 are used as an example. Replace these version numbers with the current firmware provided by AAON.

Firmware update

1. Copy the two provided .bin update files to a USB flash drive. Pg_204.bin is the main Pioneer Gold firmware update and bl_104.bin is the bootloader update. Both files are required to be on the USB flash drive for this process.



2. Power off controller, then insert USB flash drive containing the update files into the USB port on the Pioneer Gold controller.
3. Power on controller and wait 20-30 seconds for the AAON logo and then the main screen to appear. **Do not power off controller during this time.** Tap the “About” button, and verify the “Firmware Version” matches the pg_XXX.bin file provided.

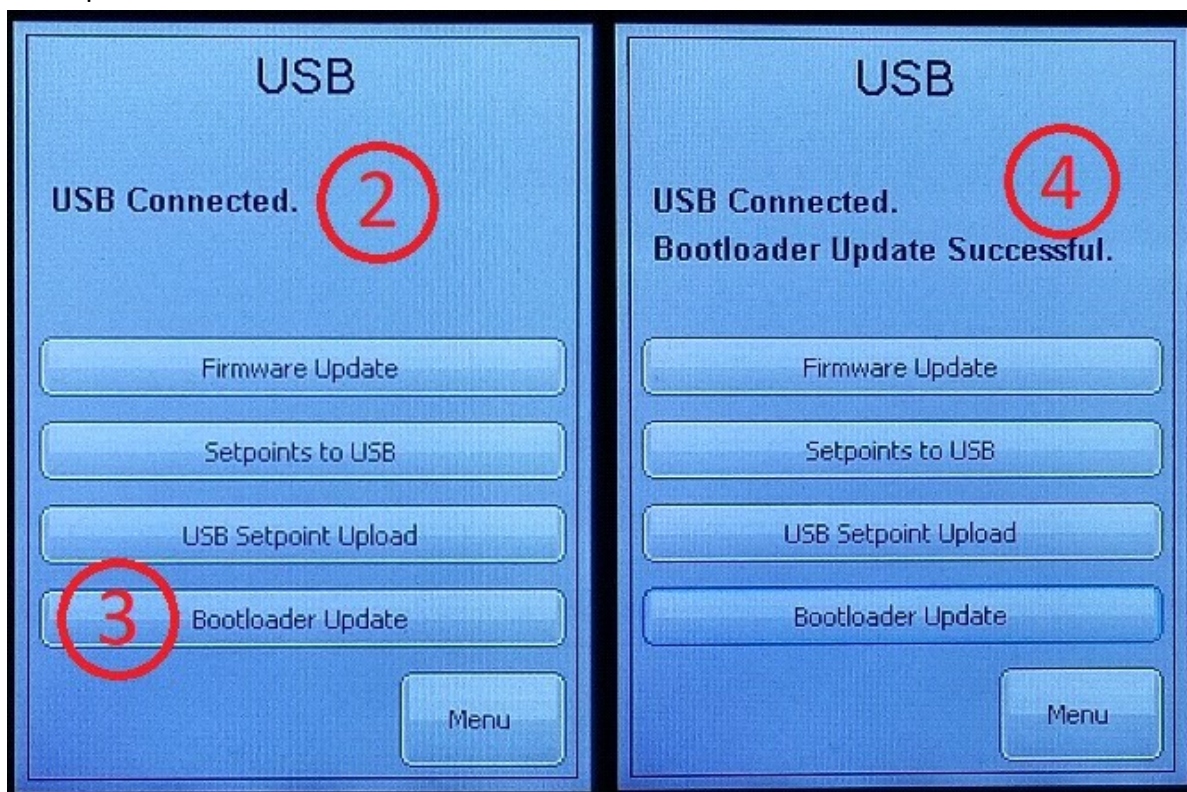


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Bootloader Update

Note: Bootloader update is required only if provided bl_XXX.bin is a higher version than currently installed bootloader(verified in the “About” screen). If the bootloader version matches the provided update file, the Pioneer Gold update procedure is complete.

1. With the unit powered on and the USB flash drive still inserted, tap the “Settings” icon on the home screen. Enter password(default 2425) the tap “Enter”.
2. Tap “USB” to open USB screen. “USB Connected.” should be displayed at the top of this screen.
3. Tap “Bootloader Update” to initiate bootloader update process. This process should take about a second.
4. Once bootloader has been successfully updated, “Bootloader Update Successful.” will be displayed at the top of the screen.



If the “Bootloader Update” button does not appear on this screen, the application firmware has not been updated. Verify the correct files are on the USB flash drive(pg_204.bin or greater), then perform the firmware update procedure before continuing with the bootloader update procedure.

Note: the “Firmware Update” button is an alternative to power cycling the controller in the firmware update procedure. If the application firmware was already successfully updated, there is no need to use the “Firmware Update” button on this screen.



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5. **Remove USB flash drive from Pioneer Gold controller.** Cycle power to the controller, then verify the software versions using the “About” button on the home screen. Firmware and bootloader versions should match the files provided.



6. The Pioneer Gold firmware and bootloader are now up to date. The controller will automatically transfer saved setpoints to the new setpoint saving method. No additional steps are required.