

ProCore™ & ProCore Edge™ Software Loading Instructions Using PilotTerm



Rev 09/17/24

Foreword:

This procedure describes how to install the main application software onto the ProCore™ and the ProCore Edge™ system board. This is done using a PC connected via a USB port.

Firmware can also be loaded using a smart phone connect via Bluetooth. For the smart phone procedure, see PLMS Part Number 25129-11 or iOS devices and Part Number 25130-11 for Android devices.

Please note that this procedure relies on the Bootloader SW supporting Webasto Slip protocol. ProCore was released with bootloader version 1.018 which supports Webasto Slip.

Definitions:

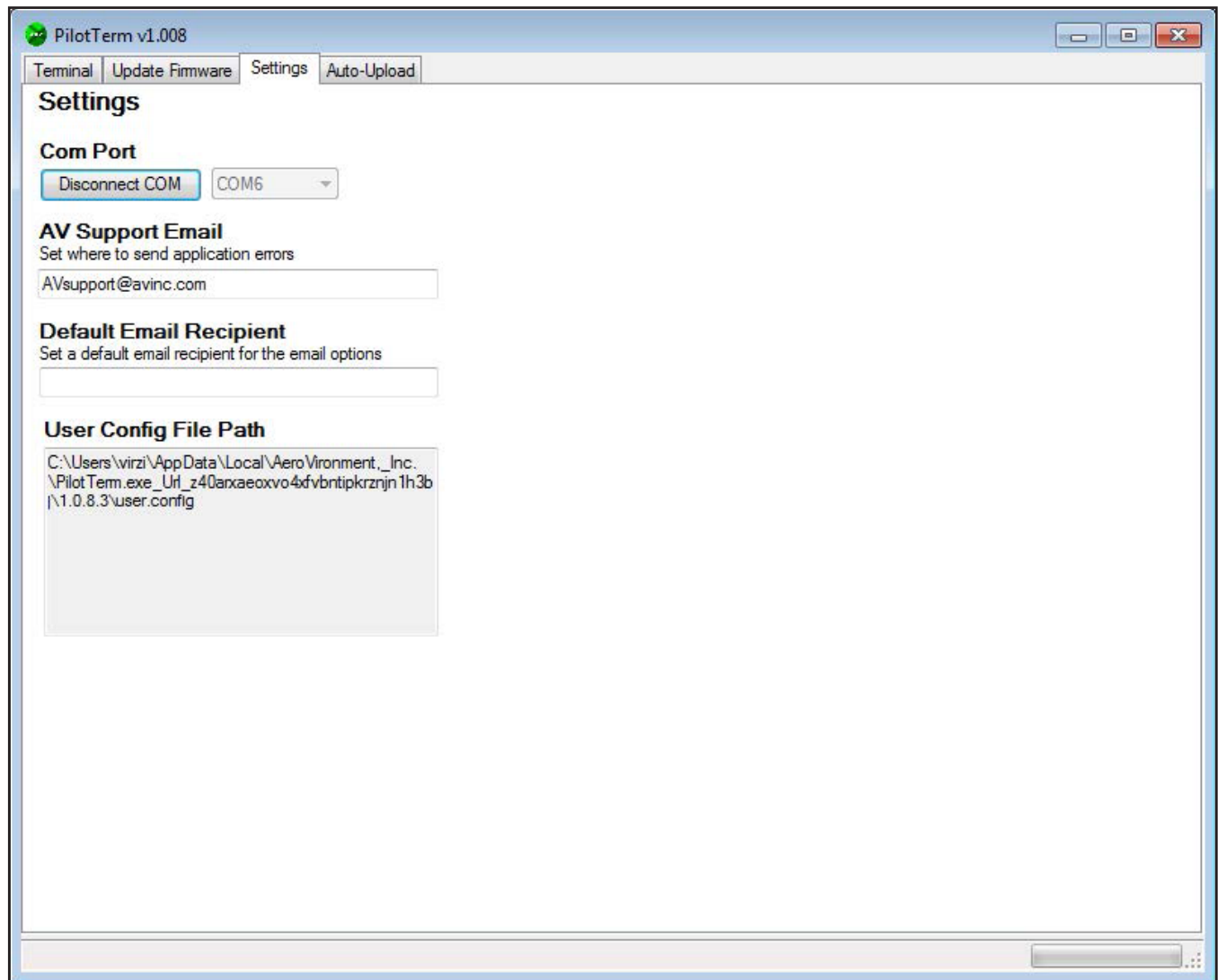
ProCore Charger and ProCore Edge	Industrial charger
LCD Screen	The graphical interface located on the front of the ProCore or ProCore Edge charger.
System Board	The PCB located inside the ProCore or ProCore Edge charger which controls the LCD screen, stack lights, and power output.
USB	Universal Serial Bus – a USB connector is located on the side of the unit.
PilotTerm	A Windows™ application that communicates with the ProCore or ProCore Edge charger via the USB port.
AVB File	A loadable binary application file – this refers to the -11 main applications loaded using PilotTerm, and it has an extension of .avb .

Required Equipment:

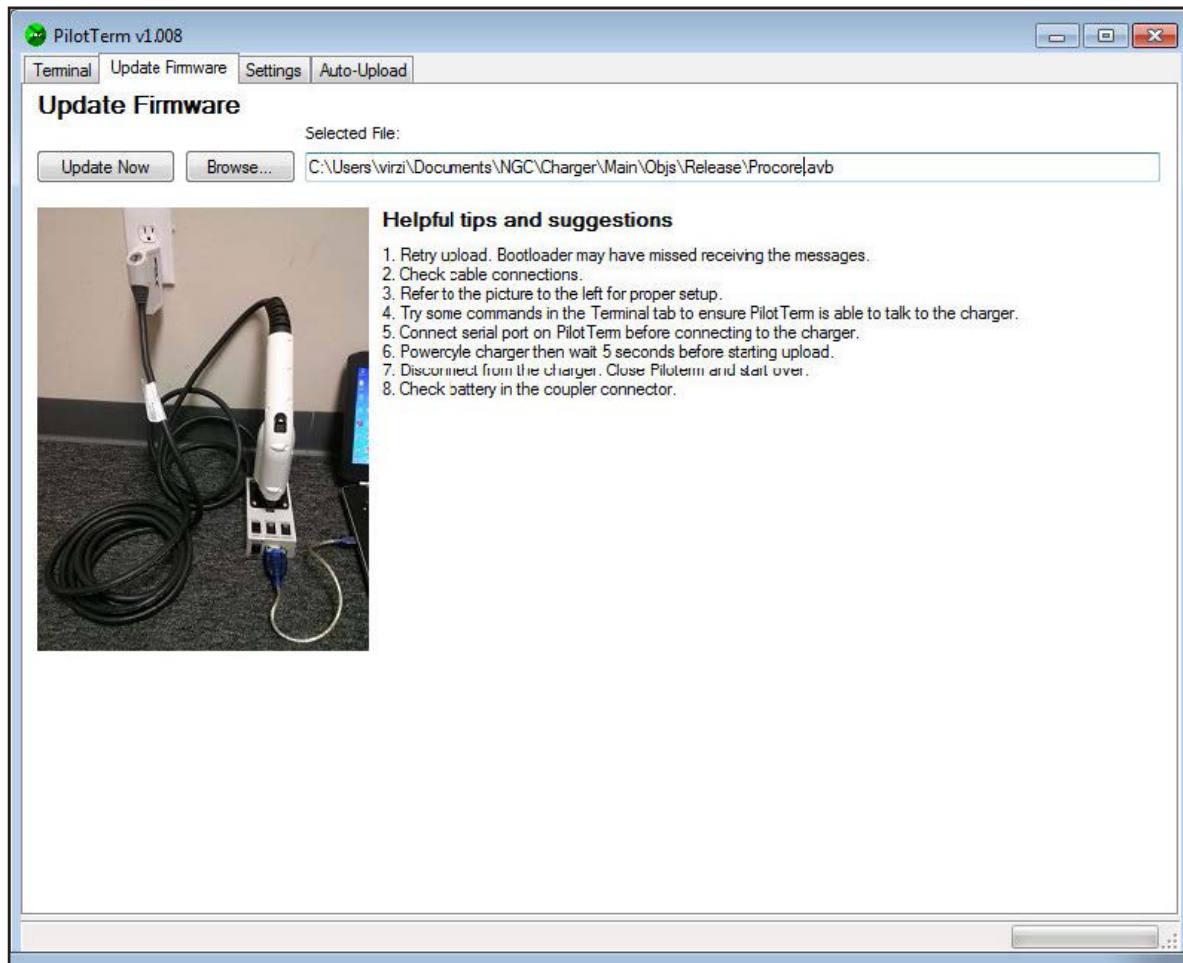
- USB cable type AB
- PC running Windows
- PilotTerm 1.008 or later installed on the PC (PLMS Part No. 22718-11)
- The -11 AVB file to be loaded to the charger stored somewhere on the PC (see this part number).

Procedure:

1. Turn on the ProCore or ProCore Edge charger.
2. Attach the B-type end of the USB cable to the USB port on the charger.
3. Attach the A-type end of the USB cable to a USB port on the PC running Windows.
4. Run PilotTerm on the PC.
5. In the **Settings** tab, select the COM port that is connected to the USB cable, then select **Connect COM**.



6. In the Update Firmware tab, use the **Browse** button to select the location of the AVB file you want to upload.



7. Click the **Update Now** button. You will see a progress bar at the bottom. The message "Upload successful" will appear on the bottom left when the upload is completed.
8. If you see the message "Upload Failed," power-cycle the charger and select the **Update Now** button again immediately after.
9. Select the **Terminal** tab – you should see a printout that looks like the following (version and CRC may vary):

Bootloader Version 1.018
Procore firmware version 1.233 (A013)
Run Mode: Release

10. Confirm the ProCore firmware version matches the one that was just loaded.
11. Confirm the Run Mode is **Release** (for a production unit).
12. The loaded application should begin after the firmware load is completed. You may unplug the USB cable after this point.