Programming the Kanda Pods

Revised April 24, 2025

- For the USB version only
- Needed: USB cable, Kanda Programmer (Dongle 3), two Kanda Keyfobs (Keyfob AVR V3)
- Older programmers and keyfobs will work. If using the oldest programming dongle, you will need to put a battery in the Keyfob before programming. The newer Dongle 2 or Dongle 3 will not require a battery in the Keyfob, the programmer will supply the power
- This assumes you have installed the Kanda programming software **AVR Keyfob-USB**
  - Details for installation are in the other document “Programming the Kanda Pods”
- This assumes you have downloaded the .fob and .A90 firmware files and know their location so you can select them for the programming app

Setup

Step 1 –plug in the USB cable, programming dongle, and a keyfob into the USB port on the PC

Step 2 –start the AVR Handheld Programmer app on your PC by double clicking the icon.

- If it is a new fob, click OK if an information screen pops up for an update and let it load test code into the fob.

App setup and Keyfob programming

Step 3 – Load .fob file to load all the preset app settings. Press button and Browse/Select the .fob file for the board firmware you want to program

(i.e. for the ProHeat 35 PC1 control board, the file is ProHeat_Powersource-fob.fob)

Step 4 – Load flash file that you want to load into the keyfob. Press button and Browse all files (not just .hex files) and select the .a90 file for the board firmware you want to program

(i.e. for the ProHeat 35 PC1 control board, the file is ProHeat_Power_Source_Control-a90.a90)

Step 5 – Enter any program description

Step 6 – Verify

programmer speed = “Medium”

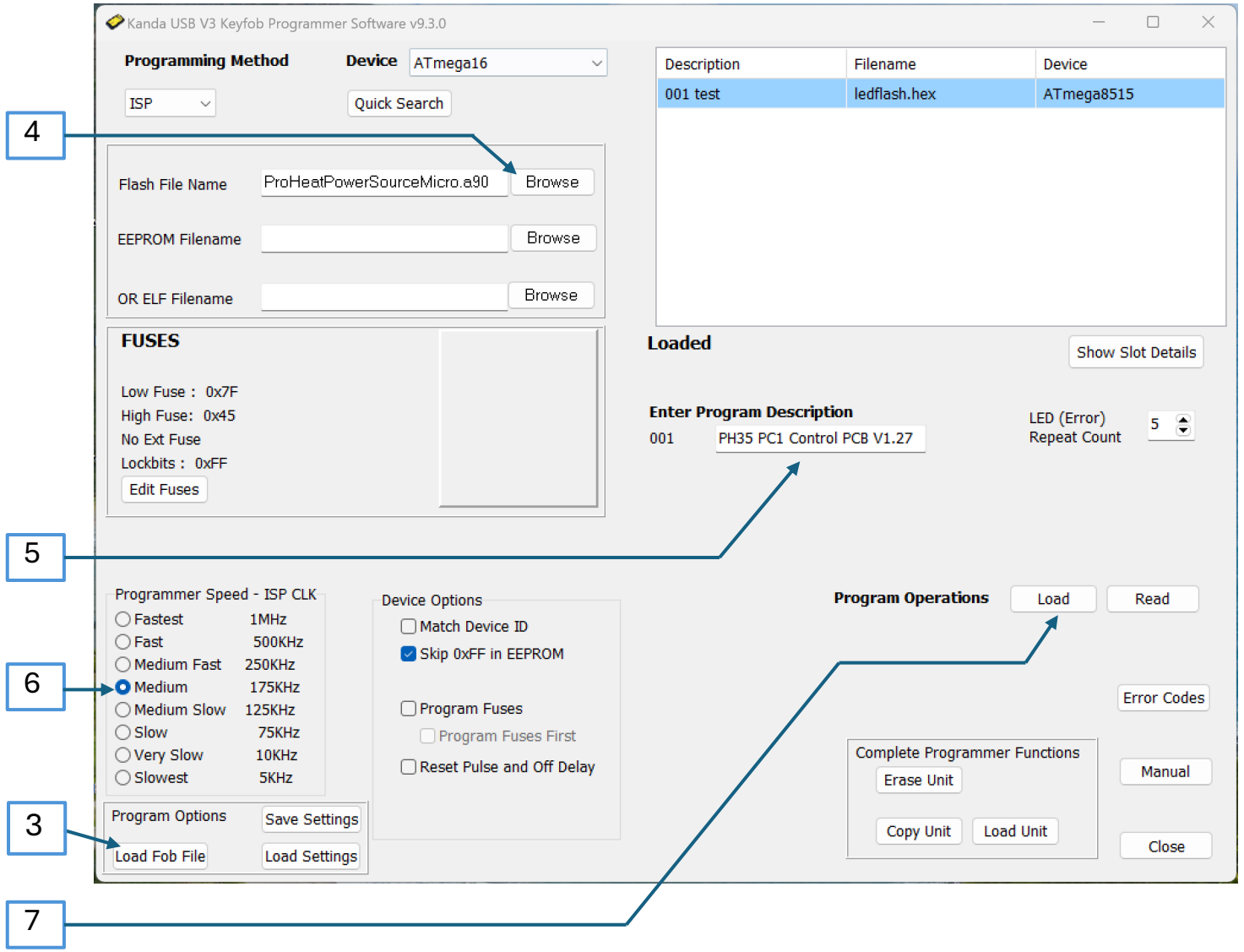
device options = Skip OxFF in EEPROM

(Program fuses not selected)

Step 7 – Program keyfob. Press LOAD button and let the keyfob load, wait until you see

“Program Loaded Successfully”

Close pop up screen. Complete!



Notes

- Label your keyfobs so you know which code is loaded

- If you want to load two or more keyfobs with the same code
  - unplug the programmed Keyfob
  - plug in a new one
  - Press Read, then OK to load test code onto the new Keyfob
  - Re-enter program description
  - Press LOAD to load the new Keyfob

- If using an old Dongle, Remember to remove the battery from the Keyfob

- Follow the 266593 instructions to update the PC1 Control board and PC2 Operator Interface board in the ProHeat with your programmed keyfobs