

Control Assembly

The reusable OpenVVVF control module - user hardware manual and software manual.

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1. Control Assembly

The control assembly is the reusable inverter brain of OpenVVF. It is a dual-MCU traction-inverter / VCU control board that can be paired with any compatible power stage.

- **User Hardware Manual** - Board layout, connectors, pinout, mounting, thermal, electrical interface, HVIL, and safe-state behavior.
- **Software Manual** - Base firmware image overview, flashing procedure, RTE host setup, and how to build and load custom code.