



# Vertical Power

## Vertical Power VP-200 Feature Roadmap

Last updated: Nov 2009

This document outlines when features are planned to become available via no-charge software upgrades. It will be updated quarterly. Dates and priorities are best estimates based on information when the document was updated, and may change (either moved up or moved back) depending on internal resources and customer feedback. Please contact us with your needs and inputs to help assess future feature priority changes.

This list does not show all future features.

Incl: Available today

Priority 1: Available Q3 09

Priority 2: Available Q4 2009

Priority 3: Available 2010

Priority 4: Available thereafter

Feature	Priority
+12v regulated trim motor output	Incl
16 or 24 user-configurable remote switch inputs (for flap, trim switches)	Incl
3 built-in user-configurable switches with LED status indication	Incl
Admin code required to enter setup menus	Incl
Automatic canopy seal inflation/deflation system for Lancair (w/annunciator)	Incl
Automatic control of battery contactor	Incl
Backup circuit power input (provides battery power directly to device) for two 5A circuits per Control Unit	Incl
Basic engine and electrical system alarming and alert display	Incl
Battery contactor failure alarm	Incl
Built-in mag switch	Incl
Built-in master switch, with timed automatic shut off in Pre-Flight Mode and Post-Flight Mode	Incl
Built-in starter switch	Incl
Checklist displayed automatically on Mode change	Incl
Configurable engine gauges based on Mode	Incl
Display of real-time current draw per circuit and overall system	Incl
Dual alternator support	Incl
Dual under-voltage alarm trip points (with and without engine running)	Incl
Encrypted remote control with for system power on	Incl
Endurance bus circuitry (backup power)	Incl
Endurance bus failure alarm	Incl
Engine gauges with visual and audio alerts for exceedences for Continental	Incl
Engine gauges with visual and audio alerts for exceedences for Lycoming	Incl
Flap and trim position display	Incl
Flap control with electronic motor braking	Incl
Fuel tank level display	Incl
Graphical display of electrical system and status	Incl
Inputs for pilot and co-pilot trim and flaps switches on Control Unit	Incl
Key code required to enable starter (no mechanical key needed)	Incl
Listing of status (on, off, fault) of each electrical device	Incl
Manual switching of electrical devices	Incl
Mode determination (pre-flight, before start, start, after start, taxi, run-up, take off, cruise, maneuver, landing) with automatic and manual sequencing	Incl
Mode-based automatic device switching (on/off)	Incl
One +12v regulated power output circuit (3A capacity)	Incl
Over-current protection for each circuit (fully configurable)	Incl

Feature	Priority
Over-voltage alert	Incl
Over-voltage protection and automatic shut-off of alternator(s)	Incl
Run-up bug on RPM gauge displayed at correct times	Incl
Save and import configuration setting to USB flash memory device	Incl
Solid-state electrical device switching	Incl
Solid-state short circuit protection	Incl
Status indicators for GPS and engine data inputs	Incl
Support for AFS 3400/3500EE	Incl
Support for Chelton EFIS & GADAHRS	Incl
Support for Dynon FlightDEK-D180 engine data	Incl
Support for EI MVP-50	Incl
Support for Garmin G900/430/530/480/handhelds	Incl
Support for GPS NMEA 0183 data format (GPRMC msg)	Incl
Support for GRT EIS	Incl
Support for IK Technologies AIM-300 engine data	Incl
Supports 14v and 28v systems.	Incl
Supports backup battery in lieu of second alternator	Incl
Supports dual battery, dual alternator, dual independent electrical system configuration (two Control Units required)	Incl
Supports dual Control Units	Incl
Supports internally or externally regulated alternators (including B&C SD-8)	Incl
Supports single battery, dual alternator electrical system configuration	Incl
Supports single battery, single alternator electrical system configuration	Incl
Taxi and landing light soft start	Incl
Trim control with runaway trim protection & backup trim switches	Incl
Under-voltage alarm	Incl
Under-voltage handling & automated alternator control to restore power	Incl
USB port for software updates, data downloading, and keyboard input	Incl
User configurable engine gauge configuration	Incl
User re-settable circuit protection	Incl
User-activated Emergency process and checklists	Incl
User-configurable load-shedding for both VMC and IMC conditions	Incl
User-configurable type of flap actuation (runs only when flap switch activated or moves to next intermediate position)	Incl
Visual display of electrical system and status of components	Incl
Visual feedback when trim or flaps is activated	Incl
VMC/IMC configurable switch, for use with emergencies	Incl
Annunciator light circuits (for master warning)	Incl
Support for GRT EFIS GPS output	Incl
16 or 24 user-configurable remote switch inputs (gear indicators, door indicators, canopy seal, etc.)	Incl
User definable annunciators triggered by discrete inputs (door, canopy, etc)	Incl
Advanced engine and electrical system alarming and alert display	Incl
Canopy lock/unlock using remote control (uses standard remote logic)	Incl
Built-in mag switch, with audio and visual alarms for incorrect position during start, takeoff, cruise, landing and shutdown	Incl
Encrypted remote control with four user-configurable buttons	Incl
Climate Control System (requires activation code)	Incl
Supports switched inputs to control electrical devices	Incl
Inputs for pilot and co-pilot trim and flaps switches on Display Unit	Incl
Landing light pulse (wig-wag) tied to aircraft speed	Incl
Variable speed trim motor to reduce trim sensitivity above specified speed	Incl
Advanced engine leaning functions	Incl
Disable co-pilot trim and flap switches using soft keys (and activate power pin for ext relay)	Incl
Display for aux battery voltage from J5-11/12	Incl

Feature	Priority
Auto-pilot disconnect warning (senses when autopilot turns off)	3
Current fault alert (alert when current falls to zero), enabled per pin	Incl
Auto Boost (turns on boost pump if fuel pressure drops)	Incl
Engine data logging	Incl
Engine gauges with visual and audio alerts for exceedences for Eggenfellner Subaru (workaround available sooner, call for details)	3
Engine gauges with visual and audio alerts for exceedences for turbine	3
Fuel calibration tables	3
Audible feedback when trim or flaps is activated	3
Alarms for incorrect flap or trim configuration for certain modes of flight	3
Checklists can be multiple pages (more than 7 items)	3
Idle and cruise bugs on RPM gauge displayed at correct times	3
Audio verification of gear down "three green" and gear up.	3
Automatic display and verification of engine RPM drop during mag check process	3
Automatic trim compensation when flaps lowered (user configurable)	3
Cabin and instrument panel light dimming capability	3
Configurable device control using VMC/IMC switch	3
Disable flap switch above specified airspeed	3
Flight timer	3
Fuel totalizer display	3
Landing gear circuit disable on ground	3
Landing gear up audio & visual warning on landing	3
Landing gear up, down, and in-transition indicators	3
Support for Dynon FlightDEK-D180 EFIS data	3
Support for OP Technologies (JPI EDM-950)	4
Supports air data inputs in certain features	4
Additional position sensor input on Duo systems	4
Automatic panel light turn on to dimmed state at night	4
Automatic ram air control	4
Automatic trim reset (user configurable) on ground	4
Automatically generated flight log & flight history	4
Flap over-speed warning (user configurable)	4
Indication of VLE on gear indicators	4
Canopy open/close using remote control	4
De-clutter of unneeded instrumentation during cruise (user configurable)	4
Electrical switching and alarm logging	4
Engine gauges with visual and audio alerts for exceedences for rotary	4
Select checklist by individual item	4
Fuel tank switching reminder	4
Configurable switching rules: when Device A is on, turn on Device B (deferred indefinitely)	5