D-Series P-Setting Guide (P01–P17)

> Every controller parameter, what it does, and the handful that cause real faults when set wrong.
>
> **Applies to:** D-series with the FarDriver controller

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https://www.youtube.com/embed/Xqwp7zzYm7s?rel=0

D-Series P-Setting Guide in 20 Seconds — if the player does not load, open the video on YouTube.

Before you change anything

> ⚠ **Read this page fully first.** Two parameters — **P03 (voltage)** and **P14 (current limit)** — can damage the battery, controller and motor if set outside specification. Damage caused by out-of-spec parameter values is **not covered by warranty**. See Warranty Claims.

Write down the current value of any parameter **before** you change it.

The parameters

Parameter	Setting	Notes
P01	Display brightness / backlight	Cosmetic
P02	Speed unit — `0` = KM/H, `1` = MPH	See Changing the Speed Unit

Parameter	Setting	Notes
P03	Voltage level	**Must match your pack** — 36V / 48V / 72V. Wrong value = real faults
P04	Dormancy / sleep timer	Minutes before the display sleeps
P05	Backlight brightness	Cosmetic
P06	Wheel diameter	Affects speedo accuracy
P07	Speed signal magnets	`1`–`255`. Wrong value makes the speedo read wrong
P08	Speed limit	`0`–`100` km/h. `0` = no limit
P09	Zero-start / non-zero-start	Whether the throttle works from a standstill
P10	Drive mode	`0` = power, `1` = electric, `2` = coexist (pedal + motor)
P11	Assist sensitivity	`1`–`24`
P12	Start intensity	`0`–`5`. How hard the motor comes in from a stop
P13	Magnet disk count	`5` / `8` / `12` — must match the PAS disk fitted
P14	Controller current limit	**Default 12 A, range 1–20 A. Above specification damages the controller and motor**
P15	Undervoltage threshold	Protects the pack from over-discharge. **Do not lower this to chase range**
P16	ODO reset	Long-press **up** for ~5 seconds to clear
P17	Cruise control	On/off

The three that actually matter

- **P03 voltage.** Set it to the wrong level and the controller misreads the pack state — producing low-voltage and charging faults that look like hardware failures.
- **P14 current limit.** Raising it beyond specification is the fastest way to destroy a controller and motor. It is not a safe "free power" upgrade.
- **P15 undervoltage.** Lowering it to squeeze out more range deep-discharges the pack, which shortens its life. The protection is there for a reason.

After changing a parameter

1. **Save / exit** the menu properly.
2. **Power cycle** — off, then on.
3. **Confirm the expected change** (speedo unit, speed cap, assist level).
4. **Record what you changed** in the Maintenance Log.

Related

- Display & Error Codes — full E00–E13 reference
- Display & Settings
- Changing the Speed Unit · Limit Speed · Controller Reset
- Tutorials Index

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