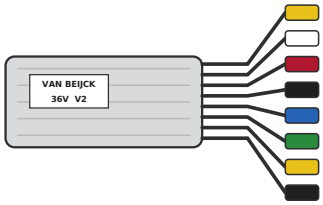
WIRING DIAGRAM

Wiring diagram controller V2



Overview of all plugs and wire colours of the Van Beijck V2 controller (Slim, Lyra and Dewi).

Safety first
Always disconnect the battery first before connecting or disconnecting plugs. This prevents short circuits and damage to the electronics.

Wiring diagram

Connection	Plug	Wire colours
Display (LCD or LED)	White	Yellow – green – black – blue – red
Brake sensors (2×)	White	Blue – yellow – red
Throttle	Black	White – black – red
Pedal sensor (PAS)	Black	Red – green – yellow
Rear light with brake light	Yellow (3-pin)	Red – black – white
Headlight (6 V, existing)	Black	White – black
Motor Hall sensor	Blue	Blue – green – yellow
Speed sensor	Dark green	White – red – black
Battery (XT60)	Yellow	Red – black
Motor phases	–	Blue / green / yellow (thick)

Older systems have a white 2-pin plug for the rear light, without brake light function.

Tips for connecting

- Push each plug **fully** together and never force it; connecting it wrongly can damage the pins.
- Bundle surplus cable with cable ties so nothing can chafe or come loose.
- Always connect the battery (yellow XT60 plug) **last**.