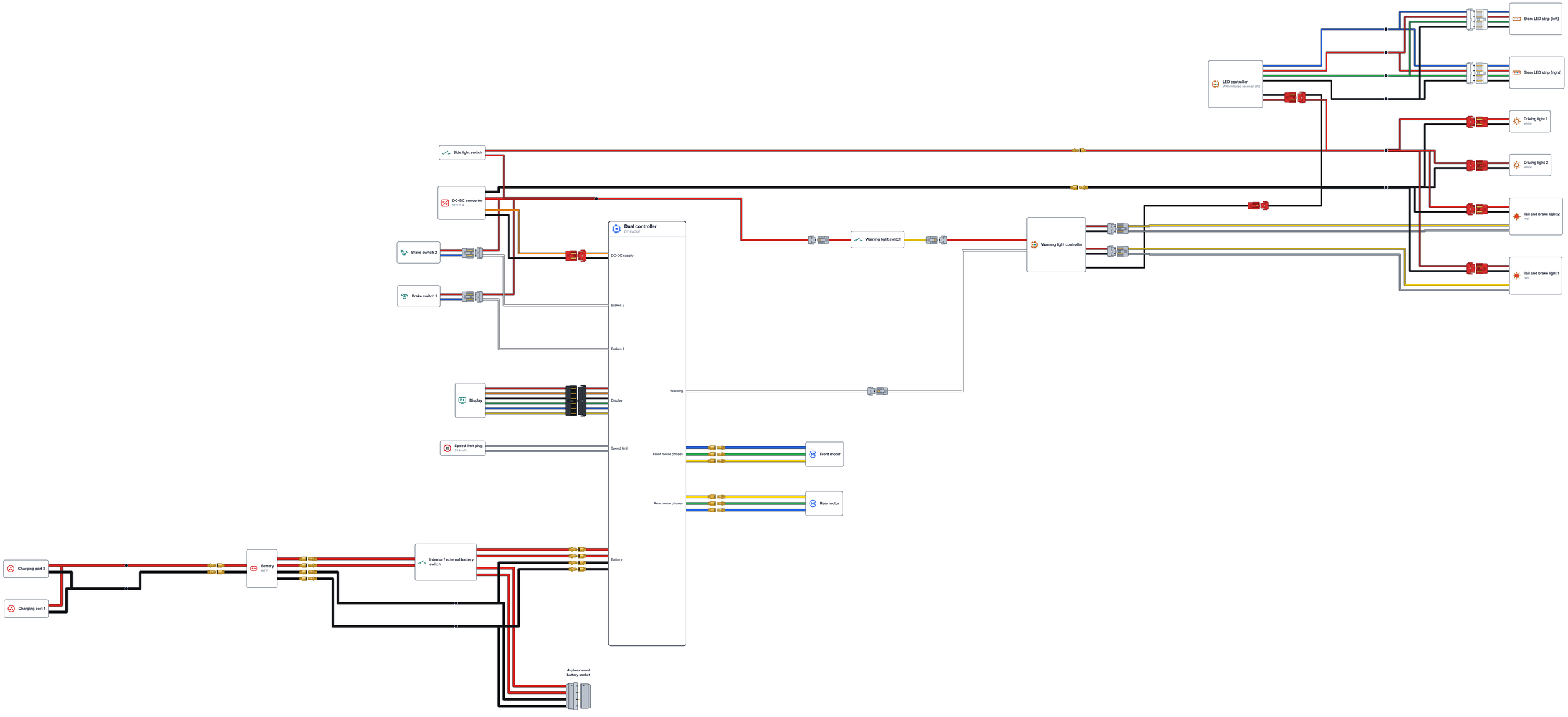
WIRING DIAGRAM

Dualtron Eagle New | 60 V

FOHZSHOP.FR



WIRE COLOURS

- Black BK
- Blue BU
- Green GN
- Grey GY
- Orange OO
- Red RD
- White WH
- Yellow YE

CONNECTORS

Gold pins: male side. Dark sockets: female side.

- Bullet connectors
- JST SM plug
- Round waterproof plug
- Splice: wires are joined at this point

NOTES

1. The 4-pin external battery socket connects its pins 1 and 2 (red wires) to the internal / external battery switch, and its pins 3 and 4 (black wires) to the two negative wires of the battery, ahead of the controller. The external battery itself is not shown.
2. The original also draws a front motor switch, annotated "unused" in Chinese and connected to nothing. It is not shown here.
3. Both RGB pole strips are wired in parallel to the same LED controller output. Their B, R, G and 12V wires are blue, red, green and black: the 12V runs on the black wire.
4. Each tail light has a second pair of wires, yellow and grey, which turns red and black after the grey plug and reaches the LR or LF outputs of the warning light controller.
5. The warning light controller inputs are only marked JS and SC on the original. JS takes the warning light switch, SC the white wire from the controller.
6. The warning light controller ground goes through the fifth red plug of the light plug row. Only pin 1 of that plug is wired.
7. On the original, blue frames group the circuits: "right side cover" (pole strips, LED controller, side light switch, DC-DC, driving light 1, tail and brake light 2), "left side cover 1, battery excepted" (battery switch, external battery socket, charge ports) and "left side cover 2" (driving light 2, tail and brake light 1).
8. Both brake switches carry the same "left / right" label on the original, which does not say which one is on the left.
9. The original diagram shows no throttle.

DOCUMENT

Based on the manufacturer diagram "Schéma électrique DT-EAGLE(new)" dated 28 August 2020.

Redrawn by FOHZSHOP on 1 November 2026.

Disconnect the battery before any work.

CONNECTOR PINOUT

Connector	To	Wire
Dual controller Front motor phases	**Front motor** Connectors: Bullet connectors	Blue · Motor phase Green · Motor phase Yellow · Motor phase
Dual controller Rear motor phases	**Rear motor** Connectors: Bullet connectors	Yellow · Motor phase Green · Motor phase Blue · Motor phase
Battery Output	**Internal / external battery switch** Battery Connectors: Bullet connectors	Red · Battery + Red · Battery +
Battery Output	**Splice** Connectors: Bullet connectors	Black · Battery – Black · Battery –
Charging port 1	**Splice**	1 · Red · Charge + 3 · Black · Charge –
Charging port 2	**Splice**	1 · Red · Charge + 3 · Black · Charge –
Splice	**Battery** Charge Connectors: Bullet connectors	Red · Charge + Black · Charge –
4-pin external battery socket	**Internal / external battery switch** External battery	1 · Red · Battery + 2 · Red · Battery +
4-pin external battery socket	**Splice**	4 · Black · Battery – 3 · Black · Battery –

Connector	To	Wire
Splice	**Dual controller** Battery Connectors: Bullet connectors	Black · Battery – Black · Battery –
Internal / external battery switch Output	**Dual controller** Battery Connectors: Bullet connectors	Red · Battery + Red · Battery +
Display	**Dual controller** Display Connectors: JST SM plug	Red Orange Black Green Blue Yellow
Brake switch 1	**Dual controller** Brakes 1 Connectors: JST SM plug	Blue, then white after the connector
Brake switch 1	**Splice** Connectors: JST SM plug	Red
Brake switch 2	**Dual controller** Brakes 2 Connectors: JST SM plug	Blue, then white after the connector
Brake switch 2	**Splice** Connectors: JST SM plug	Red
Speed limit plug	**Dual controller** Speed limit	Grey Grey

Connector	To	Wire
DC-DC converter Input	**Dual controller** DC-DC supply Connectors: JST SM plug	Orange · IN+ Black · IN–
DC-DC converter Output	**Splice**	Red · +12 V
DC-DC converter Output	**Splice** Connectors: Bullet connectors	Black · Ground
Splice	**Warning light switch** Connectors: JST SM plug	Red
Side light switch	**Splice**	Red
Side light switch	**Splice** Connectors: Bullet connectors	Red · LED +
Warning light switch	**Warning light controller** JS Connectors: JST SM plug	Yellow, then red after the connector
Warning light controller SC	**Dual controller** Warning Connectors: JST SM plug	White
Warning light controller GND	**Splice** Connectors: JST SM plug	Black · Ground
LED controller Power	**Splice** Connectors: JST SM plug	Black · IN– Red · IN+

Connector	To	Wire
Splice	**LED controller** RGB output	Blue · Blue LED Red · Red LED Green · Green LED Black · +12 V
Driving light 1	**Splice** Connectors: JST SM plug	Red · LED + Black · Ground
Driving light 2	**Splice** Connectors: JST SM plug	Red · LED + Black · Ground
Tail and brake light 1 Input 2	**Warning light controller** LR Connectors: JST SM plug	Yellow, then red after the connector · LED + Grey, then black after the connector · LED –
Tail and brake light 1 Input 1	**Splice** Connectors: JST SM plug	Red · LED + Black · Ground
Tail and brake light 2 Input 2	**Warning light controller** LF Connectors: JST SM plug	Yellow, then red after the connector · LED + Grey, then black after the connector · LED –
Tail and brake light 2 Input 1	**Splice** Connectors: JST SM plug	Red · LED + Black · Ground
Stem LED strip (right)	**Splice** Connectors: JST SM plug	Blue · Blue LED Red · Red LED Green · Green LED Black · +12 V
Stem LED strip (left)	**Splice** Connectors: JST SM plug	Blue · Blue LED Red · Red LED Green · Green LED Black · +12 V