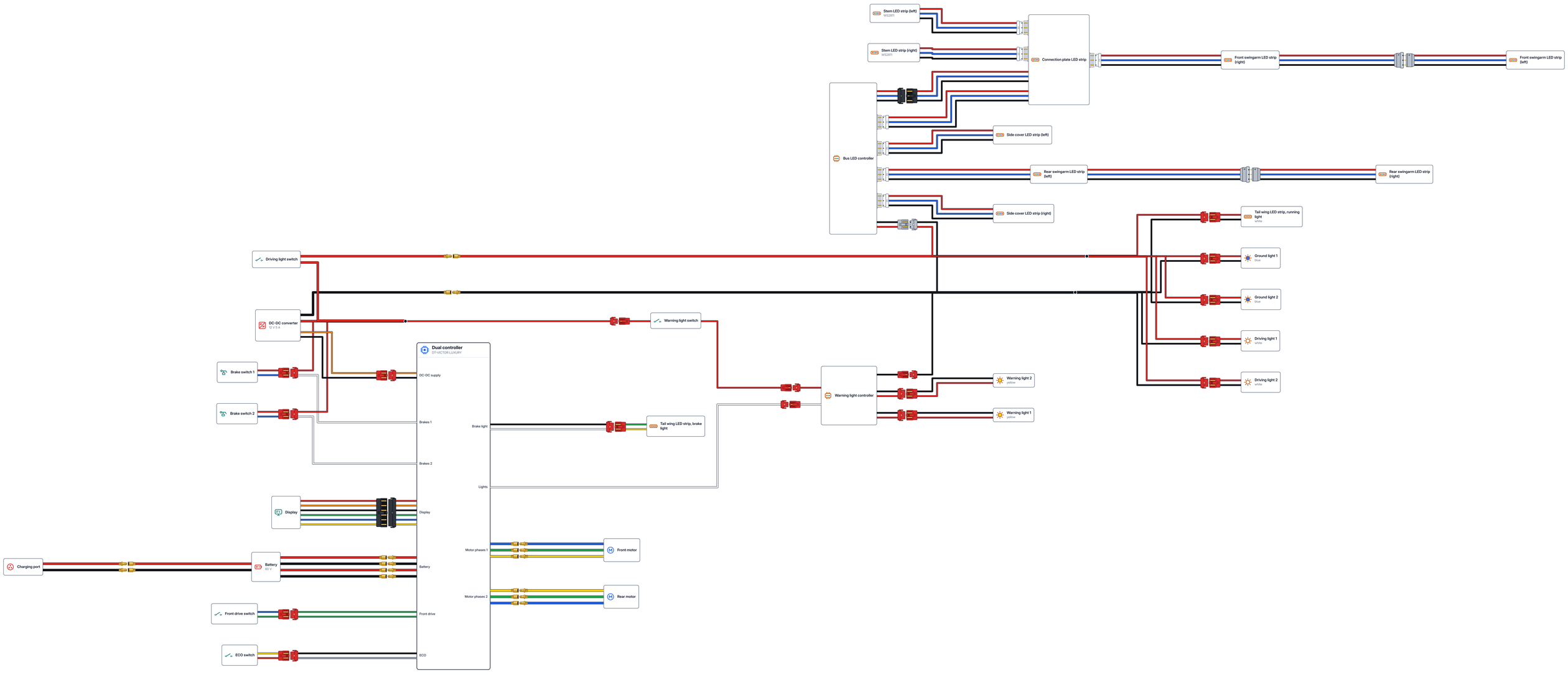
WIRING DIAGRAM

Dualtron Victor Luxury | 60 V

FOHZSHOP.FR



WIRE COLOURS

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

CONNECTORS

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

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

NOTES

1. The original has two almost identical pages. Page 2, dated 15 January 2022, lacks the plug on the red wire feeding the warning light switch. This diagram follows page 1, dated 7 March 2022.
2. The warning light controller inputs are only marked SC and JS on the original. SC takes the white wire from the controller, JS the warning light switch.
3. On the warning light switch plug and on the warning light controller ground plug, only one of the two pins is wired on the original.
4. On the original, the two rear swingarm strips are labelled "rear right" and "rear left" in Chinese, but "Front_R_balls" and "Front_L_balls" in English, like the front ones.
5. Both brake switches carry the same "left / right" label on the original, which does not say which one is on the left.
6. On the original diagram, the LEDs of the tail-wing brake strip are marked "white", like those of the running-light strip.
7. The original diagram shows no throttle.

DOCUMENT

Based on the manufacturer diagram "Schéma électrique DUALTRON Victor luxury 2" dated 7 March 2022.

Redrawn by FOHZSHOP on 31 October 2026.

Disconnect the battery before any work.

CONNECTOR PINOUT

Connector	To	Wire
Dual controller Motor phases 1	**Front motor** Connectors: Bullet connectors	Blue · Motor phase Green · Motor phase Yellow · Motor phase
Dual controller Motor phases 2	**Rear motor** Connectors: Bullet connectors	Yellow · Motor phase Green · Motor phase Blue · Motor phase
Dual controller DC-DC supply	**DC-DC converter** Input Connectors: JST SM plug	2 · Orange · IN+ 1 · Black · IN−
Battery Output	**Dual controller** Battery Connectors: Bullet connectors	Red · Battery + Black · Battery − Red · Battery + Black · Battery −
Charging port	**Battery** Charge Connectors: Bullet connectors	1 · Red · Charge + 3 · Black · Charge −
Display	**Dual controller** Display Connectors: JST SM plug	Red Orange Black Green Blue Yellow

Connector	To	Wire
Brake switch 1	**Dual controller** Brakes 1 Connectors: JST SM plug	2 · Blue, then white after the connector
Brake switch 1	**Splice** Connectors: JST SM plug	1 · Red
Brake switch 2	**Dual controller** Brakes 2 Connectors: JST SM plug	2 · Blue, then white after the connector
Brake switch 2	**Splice** Connectors: JST SM plug	1 · Red
Front drive switch	**Dual controller** Front drive Connectors: JST SM plug	1 · Blue, then green after the connector 2 · Green
ECO switch	**Dual controller** ECO Connectors: JST SM plug	1 · Yellow, then black after the connector 2 · Red, then grey after the connector
DC-DC converter Output	**Splice**	Red · +12 V
DC-DC converter Output	**Splice** Connectors: Bullet connectors	Black · Ground

Connector	To	Wire
Splice	**Warning light switch** Connectors: JST SM plug	→ 2 · Red
Driving light switch	**Splice**	Red
Warning light controller JS	**Warning light switch** Connectors: JST SM plug	1 · Red
Warning light controller SC	**Dual controller** Lights Connectors: JST SM plug	2 · White
Warning light controller GND	**Splice** Connectors: JST SM plug	1 · Black · Ground
Warning light controller LF	**Warning light 1** Connectors: JST SM plug	1 · Black · LED − 2 · Red · LED +
Warning light controller LR	**Warning light 2** Connectors: JST SM plug	1 · Black · LED − 2 · Red · LED +
Bus LED controller Power	**Splice** Connectors: JST SM plug	1 · Black 2 · Red
Bus LED controller RGB output 1	**Connection plate LED strip** Output Connectors: JST SM plug	1 · Red · LED + 2 · Blue · LED data 3 · Black · LED −

Connector	To	Wire
Bus LED controller RGB output 2	**Connection plate LED strip** Input Connectors: Board header	Red · LED + Blue · LED data Black · LED −
Bus LED controller RGB output 3	**Side cover LED strip (left)** Connectors: Board header	Red · LED + Blue · LED data Black · LED −
Bus LED controller RGB output 4	**Rear swingarm LED strip (left)** Connectors: Board header	Red · LED + Blue · LED data Black · LED −
Bus LED controller RGB output 5	**Side cover LED strip (right)** Connectors: Board header	Red · LED + Blue · LED data Black · LED −
Splice	**Driving light switch** Connectors: Bullet connectors	Red
Tail wing LED strip, running light	**Splice** Connectors: JST SM plug	2 · Red · +12 V 1 · Black · Ground
Ground light 1	**Splice** Connectors: JST SM plug	2 · Red 1 · Black
Ground light 2	**Splice** Connectors: JST SM plug	2 · Red 1 · Black

Connector	To	Wire
Driving light 1	**Splice** Connectors: JST SM plug	2 · Red 1 · Black
Driving light 2	**Splice** Connectors: JST SM plug	2 · Red 1 · Black
Tail wing LED strip, brake light	**Dual controller** Brake light Connectors: JST SM plug	1 · Green, then black after the connector · Ground 2 · Yellow, then white after the connector · Brake light
Connection plate LED strip RGB output 3	**Front swingarm LED strip (right)** Connectors: Board header	Red · LED + Blue · LED data Black · LED −
Stem LED strip (right)	**Connection plate LED strip** RGB output 1 Connectors: Board header	Red · +12 V Blue · LED data Black · Ground
Stem LED strip (left)	**Connection plate LED strip** RGB output 2 Connectors: Board header	Red · +12 V Blue · LED data Black · Ground
Front swingarm LED strip (right)	**Front swingarm LED strip (left)** Connectors: Round waterproof plug	Red · LED + Blue · LED data Black · LED −
Rear swingarm LED strip (left)	**Rear swingarm LED strip (right)** Connectors: Round waterproof plug	Red · LED + Blue · LED data Black · LED −