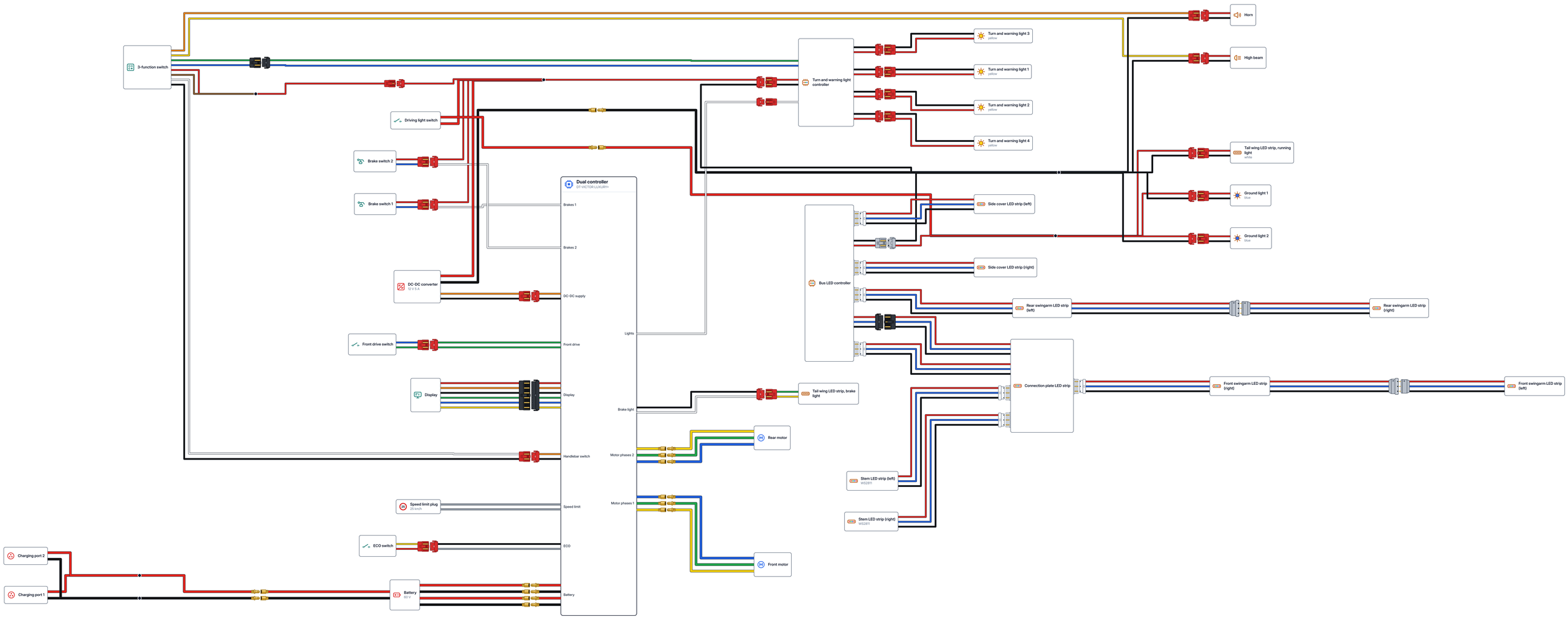
WIRING DIAGRAM

Dualtron Victor Luxury+

60 V

FOHZSHOP.FR



WIRE COLOURS

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

CONNECTORS

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

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

NOTES

1. On the original, the turn and warning light controller is marked R and L on its inputs, RR, RF, LF and LR on its outputs. Its SC input takes the white wire from the controller, its JS input is not connected.
2. On the original, the 3-function switch has four buttons: headlight, left turn, right turn and horn. Its white and black wires reach the controller through a plug, the white one continuing in orange. The original does not say which button they belong to.
3. On the original, the brown wire of the switch is light brown where it leaves the switch, then dark brown up to its junction with the red wire.
4. On the original, three plugs have a free pin: pin 1 of the switch supply plug, pin 2 of the R and L input plug, and pin 1 of the SC input plug, on the JS input side.
5. On the original, the two rear swingarm strips are labelled "rear right" and "rear left" in Chinese, but "Front_R_baibi" and "Front_L_baibi" in English, like the front ones.
6. Both brake switches carry the same "left / right" label on the original, which does not say which one is on the left.
7. On the original diagram, the LEDs of the tail-wing brake strip are marked "white", like those of the running-light strip.
8. The original diagram shows no throttle.

DOCUMENT

Based on the manufacturer diagram "Schéma électrique DUALTRON Victor luxury +" dated 14 June 2022.

Redrawn by FohzShop on 1 November 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 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 −
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
Speed limit plug	**Dual controller** Speed limit	Grey Grey
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** Connectors: JST SM plug	Red · +12 V Black · Ground
DC-DC converter Output	**Splice** Connectors: Bullet connectors	
Splice	**Splice** Connectors: JST SM plug	→ 2 · Red
Driving light switch	**Splice**	Red

Connector	To	Wire
3-function switch	**Dual controller** Handlebar switch Connectors: JST SM plug	→ 2 · White, then orange after the connector → 1 · Black
3-function switch	**Turn and warning light controller** Turn signals Connectors: JST SM plug	3 · Green · Right turn signal 1 · Blue · Left turn signal
Splice	**3-function switch**	Red Brown
High beam	**3-function switch** Connectors: JST SM plug	2 · Red, then yellow after the connector · LED +
High beam	**Splice** Connectors: JST SM plug	1 · Black · LED −
Horn	**3-function switch** Connectors: JST SM plug	2 · Red, then orange after the connector · Horn
Horn	**Splice** Connectors: JST SM plug	1 · Black · Ground
Turn and warning light controller SC	**Dual controller** Lights Connectors: JST SM plug	2 · White
Turn and warning light controller Power	**Splice** Connectors: JST SM plug	2 · Red · Supply +
Turn and warning light controller Power	**Splice** Connectors: JST SM plug	1 · Black · Supply −
Turn and warning light controller Rear right turn signal	**Turn and warning light 1** Connectors: JST SM plug	1 · Black · LED − 2 · Red · LED +

Connector	To	Wire
Turn and warning light controller Front right turn signal	**Turn and warning light 2** Connectors: JST SM plug	1 · Black · LED − 2 · Red · LED +
Turn and warning light controller Front left turn signal	**Turn and warning light 3** Connectors: JST SM plug	1 · Black · LED − 2 · Red · LED +
Turn and warning light controller Rear left turn signal	**Turn and warning light 4** 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 −
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

Connector	To	Wire
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
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 −