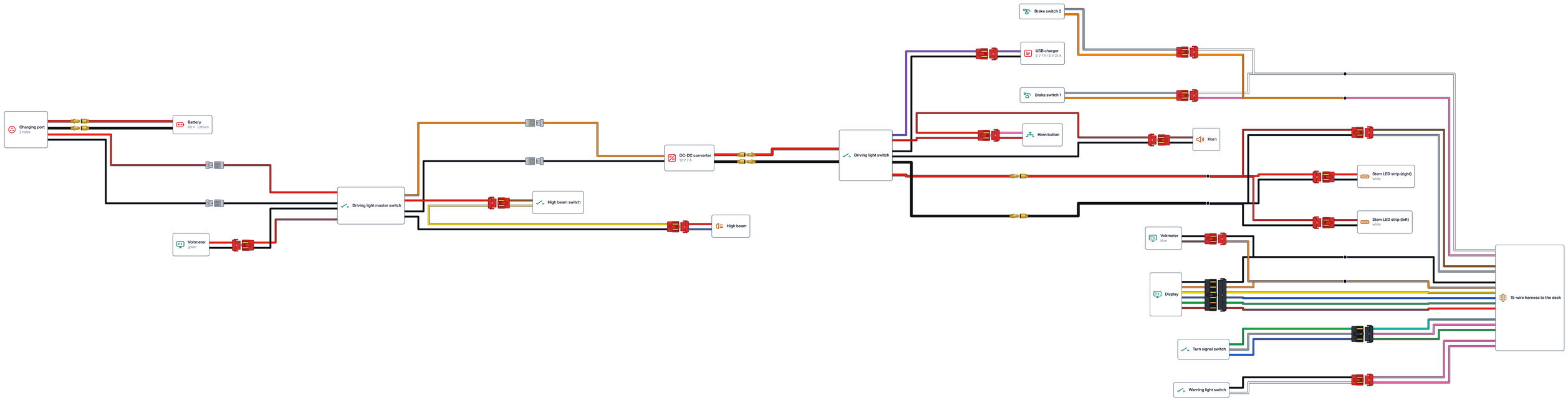
WIRING DIAGRAM

Dualtron X Stem | 60 V

FOHZSHOP.FR



WIRE COLOURS

Black BK	Blue BU	Brown BN	Green GN
Grey GY	Orange OG	Pink PK	Red RD
Turquoise TQ	Violet VT	White WH	Yellow YE

CONNECTORS

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

Bullet connectors

Connector (type not shown)

JST SM plug

Splice: wires are joined at this point

NOTES

1. The 15-wire harness runs down to the deck and continues on the "DUALTRON X" diagram, where its branches carry the same numbers.
2. Four wires of the 15-wire harness and the horn button wire are drawn in different pinks (magenta, mauve, salmon, light pink), with no colour name, and marked pink. Dark green wires are marked green, dark red ones brown and light blue ones blue.
3. The original's revision note says the USB charger + wire changes from red to purple, the stem battery voltmeter turns blue and the deck battery voltmeter green. On the drawing, the green voltmeter is wired to the master switch, fed by this diagram's battery, and the blue one to the black and orange wires of the display cable.
4. Both driving light switches carry the same English name "Driving light switch". In Chinese, the first is the decorative light switch, the second the driving light master switch.
5. Both driving light switches have an indicator light. Its + terminal is joined to the switch output by a short wire, its − terminal to the ground wires.
6. The 60 V battery of this diagram is the stem battery. Its two wires land on the charging port terminals, from which the master switch wires leave.
7. The two wires between the charging port and the master switch, and the two DC-DC converter input wires, each go through a small inline plug whose type the original does not give.
8. Both brake switches carry the same "left / right" label on the original, which does not say which one is on the left.

DOCUMENT

Based on the manufacturer diagram "Schéma électrique DUALTRON X colonne" dated 19 June 2020.

Redrawn by FohzShop on 1 November 2026.

Disconnect the battery before any work.

CONNECTOR PINOUT

Connector	To	Wire
Battery	**Charging port** Connectors: Bullet connectors	→ 1 · Red · Charge + → 2 · Black · Charge −
Charging port	**Driving light master switch** Input Connectors: Connector (type not shown)	1 · Red
Charging port	**Driving light master switch** Indicator − Connectors: Connector (type not shown)	2 · Black
Driving light master switch Output	**DC-DC converter** Input Connectors: Connector (type not shown)	Orange · IN+
Driving light master switch Indicator −	**DC-DC converter** Input Connectors: Connector (type not shown)	Black · IN−
Driving light master switch Output	**High beam switch** Connectors: JST SM plug	→ 1 · Red, then brown after the connector
DC-DC converter Output	**Driving light switch** Input Connectors: Bullet connectors	Red · +12 V

Connector	To	Wire
DC-DC converter Output	**Driving light switch** Indicator − Connectors: Bullet connectors	Black · Ground
Driving light switch Input	**USB charger** Connectors: JST SM plug	→ 2 · Violet · Supply +
Driving light switch Input	**USB charger** Connectors: JST SM plug	→ 1 · Black · Supply −
Driving light switch Input	**Horn button** Connectors: JST SM plug	→ 2 · Red
High beam	**High beam switch** Connectors: JST SM plug / JST SM plug	2 → 2 · Red, then yellow after the connector · LED +
High beam	**Driving light master switch** Indicator − Connectors: JST SM plug	1 · Blue, then black after the connector · LED −
Voltmeter	**Driving light master switch** Output Connectors: JST SM plug	2 · Red · Supply +
Voltmeter	**Driving light master switch** Indicator − Connectors: JST SM plug	1 · Black · Supply −

Connector	To	Wire
Horn	**Driving light switch** Indicator − Connectors: JST SM plug	1 · Black · Supply −
Horn button	**Horn** Connectors: JST SM plug / JST SM plug	1 → 2 · Pink, then red after the connector · Supply +
Stem LED strip (right)	**Splice** Connectors: JST SM plug	Red · +12 V Black · Ground
Stem LED strip (left)	**Splice** Connectors: JST SM plug	Red · +12 V Black · Ground
Splice	**Driving light switch** Output Connectors: Bullet connectors	Red
Splice	**Driving light switch** Indicator − Connectors: Bullet connectors	Black
Splice	**15-wire harness to the deck** Branch 1 Connectors: JST SM plug	2 · Red, then brown after the connector 1 · Black, then grey after the connector

Connector	To	Wire
Turn signal switch	**15-wire harness to the deck** Branch 2 Connectors: JST SM plug	1 · Green, then turquoise after the connector 2 · Grey, then pink after the connector 3 · Blue, then green after the connector
Warning light switch	**15-wire harness to the deck** Branch 3 Connectors: JST SM plug	1 · Black, then pink after the connector 2 · White, then pink after the connector
Splice	**Display** Connectors: JST SM plug	→ 4 · Black → 5 · Orange
Splice	**Voltmeter** Connectors: JST SM plug	→ 1 · Black · Supply − → 2 · Orange, then red after the connector · Supply +
Splice	**Brake switch 1** Connectors: JST SM plug	1 · White, then grey after the connector 2 · Pink, then orange after the connector
Splice	**Brake switch 2** Connectors: JST SM plug	1 · White, then grey after the connector 2 · Orange
15-wire harness to the deck Branch 4	**Display** Connectors: JST SM plug	→ 1 · Yellow → 2 · Blue → 3 · Green → 6 · Red
15-wire harness to the deck Branch 4	**Splice**	Black Orange
15-wire harness to the deck Branch 5	**Splice**	1 · White 2 · Pink