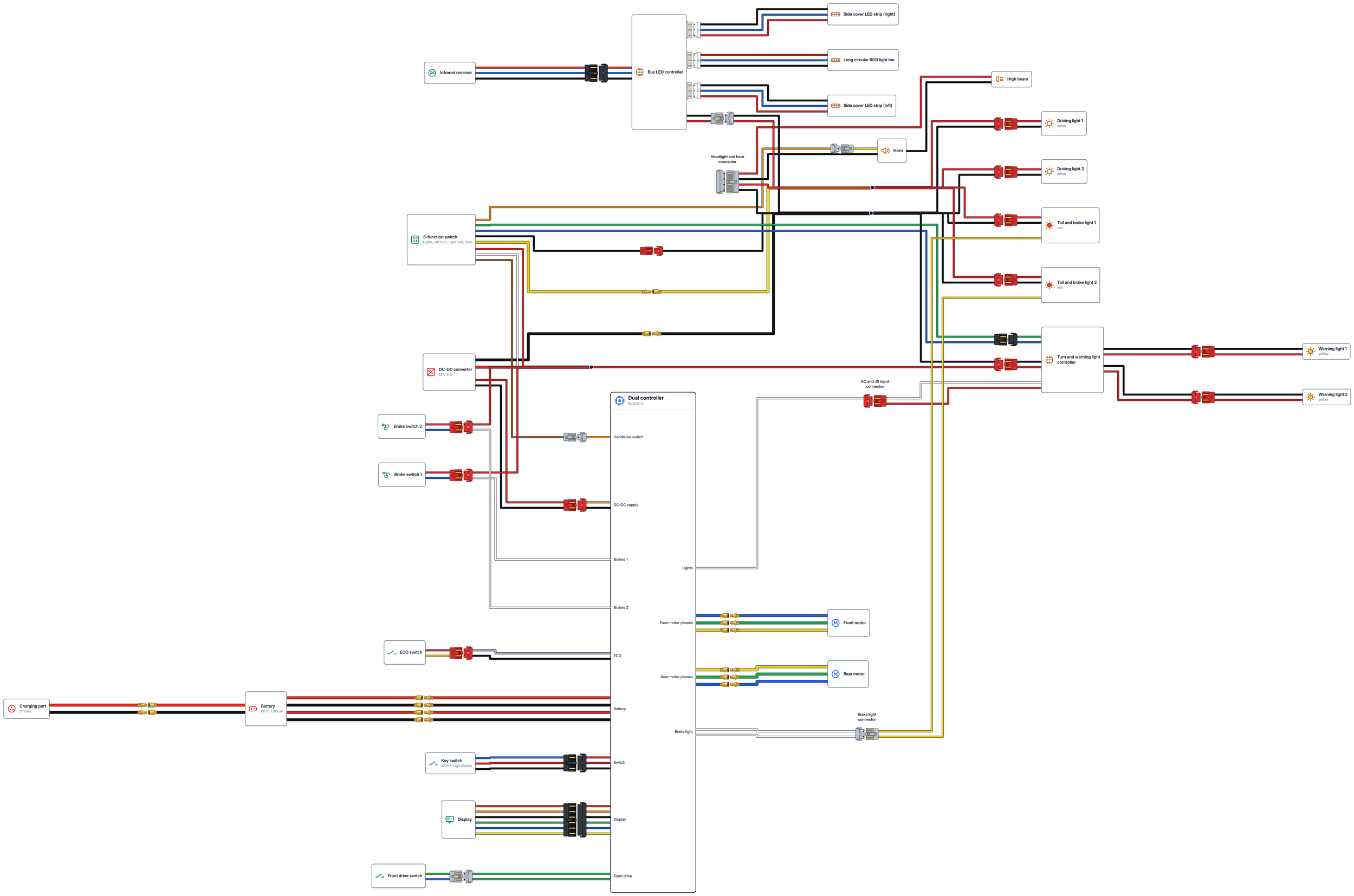
WIRING DIAGRAM

Teverun Blade X | 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
- Board header
- Bullet connectors
- Splice: wires are joined at this point

NOTES

1. A single "left / right" label is set for both brake switches, the original does not say which one is on the left. They are numbered 1 and 2.
2. The eight wires of the 3-function switch carry no function mark on the original. Its red and white wires are joined together to the + 12 V of the DC-DC converter OUT+ output.
3. The switch wire running to the dual controller is drawn light brown, and pale orange on a short stretch where it leaves the switch, with no colour written. It is redrawn brown.
4. A few wires start with a short stretch of another colour at the part's terminal, without a connector. Red then blue at the key switch +, orange then red on its middle wire, red then yellow at the horn +. They are redrawn with the cable colour.
5. The headlight and the horn are drawn in one housing. Their − terminals are joined by a thin wire.
6. On the SC / JS plug of the turn and warning light controller, only the white wire (SC) continues, to the dual controller. The red JS wire stops at the plug, with no wire on the other side on the original.
7. The RR and LR outputs of the turn and warning light controller and one socket of the bus LED controller are not connected to anything on the original. The two yellow warning lights are on the RF and LF outputs.
8. The black 3-pin plug of the R and L inputs has no wire on its pin 2. Three 2-pin plugs carry a single wire, on the black switch wire, on the orange horn wire and on the brown wire to the dual controller. The 3-hole charging port only uses pins 1 (red) and 3 (black).
9. According to the original file name, this diagram is the 12 V LED strip version, where left and right turn together give the strobe mode, with a 60 V horn.

DOCUMENT

Based on the manufacturer diagram "Schéma électrique TEVERUN Blade X" dated 15 December 2021.

Redrawn by FõhzShop 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
Dual controller DC-DC supply	**DC-DC converter** Input Connectors: JST SM plug	Orange, then red after the connector · IN+ Black · IN−
Dual controller Lights	**SC and JS input connector**	White
Battery Output	**Dual controller** Battery Connectors: Bullet connectors	Red · Battery + Black · Battery − Red · Battery + Black · Battery −
Charging port	**Battery** Charge Connectors: Bullet connectors	Red · Charge + Black · Charge −
Display	**Dual controller** Display Connectors: JST SM plug	Red Orange Black Green Blue Yellow
Key switch	**Dual controller** Switch Connectors: JST SM plug	Blue, then red after the connector · + Red Black · −
DC-DC converter Output	**Splice**	Red · +12 V
DC-DC converter Output	**Splice** Connectors: Bullet connectors	Black · Ground
Splice	**Turn and warning light controller** Power Connectors: JST SM plug	Red · Supply +
Splice	**Headlight and horn connector**	Red Black

Connector	To	Wire
Splice	**Turn and warning light controller** Power Connectors: JST SM plug	Black · Supply −
3-function switch	**Splice** Connectors: Bullet connectors	Yellow
3-function switch	**Splice**	Red White
3-function switch	**Splice** Connectors: JST SM plug	Black
3-function switch	**Dual controller** Handlebar switch Connectors: JST SM plug	Brown, then orange after the connector
3-function switch	**Horn** Connectors: JST SM plug	Orange, then yellow after the connector · +
3-function switch	**Turn and warning light controller** Input 1 Connectors: JST SM plug	Green · R Blue · L
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
ECO switch	**Dual controller** ECO Connectors: JST SM plug	Red, then grey after the connector Yellow, then black after the connector
Front drive switch	**Dual controller** Front drive Connectors: JST SM plug	Green Blue, then green after the connector
Bus LED controller Power	**Splice** Connectors: JST SM plug	Black Red

Connector	To	Wire
Bus LED controller RGB output 1	**Long circular RGB light bar** Connectors: Board header	Red · +12 V Blue · LED data Black · Ground
Bus LED controller RGB output 2	**Side cover LED strip (left)** Connectors: Board header	Black · LED − Blue · LED data Red · LED +
Bus LED controller RGB output 3	**Side cover LED strip (right)** Connectors: Board header	Black · LED − Blue · LED data Red · LED +
Infrared receiver	**Bus LED controller** Sensor Connectors: JST SM plug	Red · Supply + Blue · OUT Black · Supply −
Driving light 1	**Splice** Connectors: JST SM plug	Red Black
Driving light 2	**Splice** Connectors: JST SM plug	Red Black
Tail and brake light 1	**Splice** Connectors: JST SM plug	Red Black
Tail and brake light 1 Brake light	**Brake light connector**	Yellow
Tail and brake light 2	**Splice** Connectors: JST SM plug	Red Black
Tail and brake light 2 Brake light	**Brake light connector**	Yellow
Brake light connector	**Dual controller** Brake light	White White
Horn	**High beam**	Black · −
Headlight and horn connector	**High beam**	Red · +
Headlight and horn connector	**Horn**	Black · −
Turn and warning light controller Output 1	**Warning light 1** Connectors: JST SM plug	Black · RF− Red · RF+
Turn and warning light controller Output 2	**Warning light 2** Connectors: JST SM plug	Black · LF− Red · LF+
SC and JS input connector	**Turn and warning light controller** Input 2	White · SC Red · JS