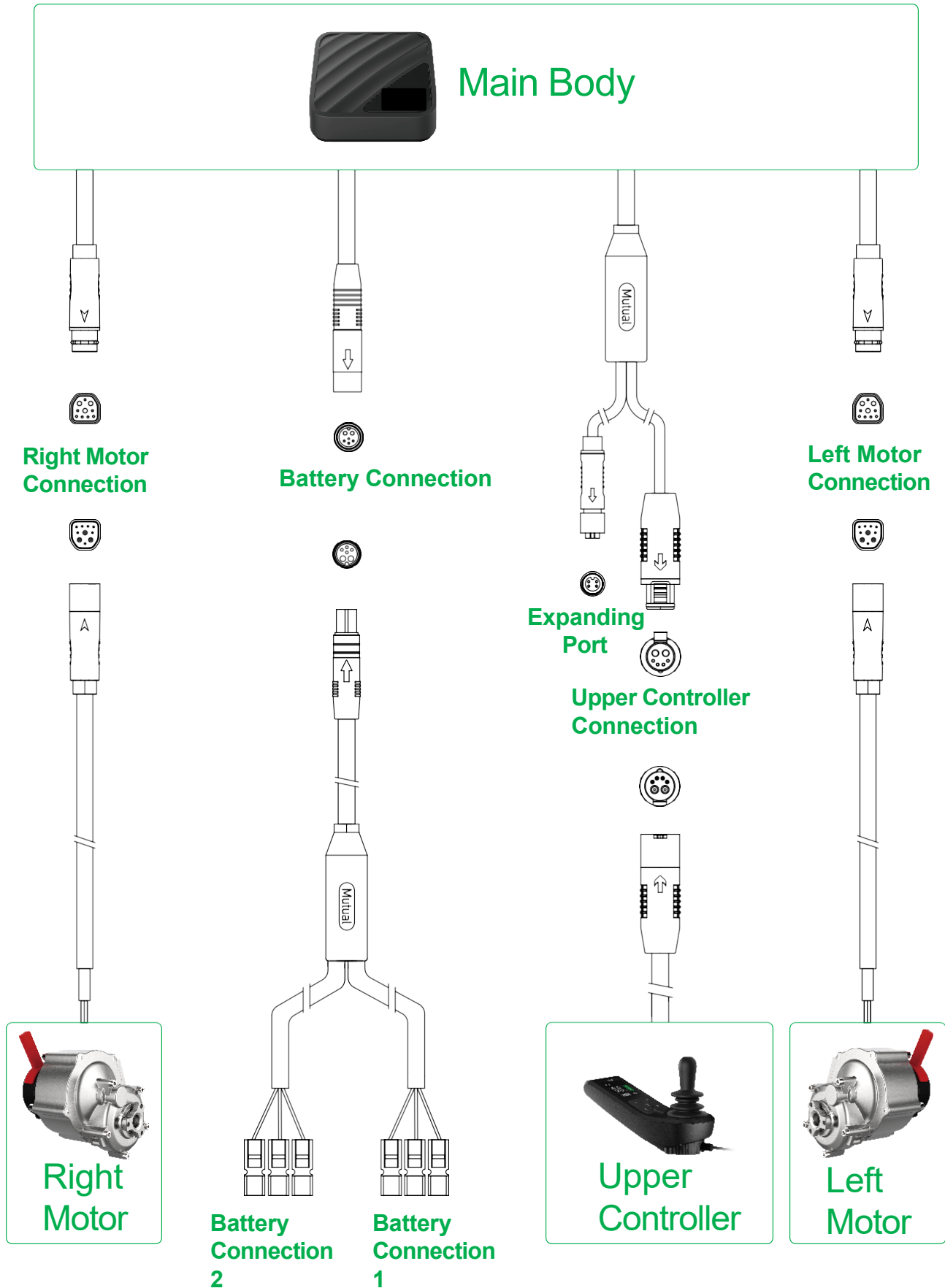


FlyteMax2 Powerchair Controller



Wiring Diagram



Faults and troubleshooting methods

Fault code	Cause of failure	Inspection and handling methods
01	Abnormal joystick position	Release joystick for returning to normal position.
02	Electromagnetic Braking is not engaged	Engage the brake.
12	Joystick signal communication error	Check all the wheelchair wiring harness.
14	Joysticks are out of order	Damage of joystick, replace new one.
22	Battery signal communication error	Inspect the connection of battery quick release plug.
23	Low temperature charging fault	Keep wheelchair under higher temperature condition for charging while ambient temperature is too low. Power on again.
24	Low temperature discharging fault	Keep wheelchair under higher temperature conditions for discharging while ambient temperature is too low. Power on again.
25	Charging temperature is too high	Recharge again after the battery temperature is dropped.
26	Charging current fault	Charger is out of order, please replace the charger.
27	Discharging temperature is too high	The temperature of the battery is too high internally. Turn it off and wait, then turn it on again.
28	Discharge current fault	Unplug the battery and replace it.
29	Overvoltage fault	If the battery voltage is too high, turn it on and leave it for a while. Then turn it off and turn it on again.
30	Undervoltage fault	The battery voltage is too low, charging is required.
31	Charging failure	Replace the charger. If the fault still there, replace a new battery.
42	Controller signal communication abnormality	Check connection of signal communication interface.
43	Left drive is not connected.	Check whether the connector between motor and controller is well connected.
44	Left drive overtemperature	Power off. Wait for a few minutes before turning it on again. If the fault is still there, replace the driving device.

Faults and troubleshooting methods

Fault code	Cause of failure	Inspection and handling methods
45	Left drive is overload	Power off and wait for a few minutes before turning it on again. If the fault does not disappear. Replace the drive.
46	Left drive is abnormal	1. Inspect the left drive lever is at right position. 2. Inspection the connecting wire is well connected.
47	Left motor haule is out of order	Inspect the connection of driver and motor.
48	Left motor MOS failure	Replace the motor driver.
49	Left motor phase fault	Inspect the connection of driver and motor.
50	Left motor is locked	Release joystick. If the fault does not disappear, replace the motor.
51	Left motor phase current offset value is fault	Replace the motor driver.
52	Left motor main wire current fault	Replace the motor driver.
53	Left motor is not connected	Inspect the connection of driver and motor.
54	Right drive is not connected	Inspect the connection of driver and motor.
55	Right drive overtemperature	Power off. Wait for a few minutes before turning it on again. If the fault does not disappear. Replace the drive.
56	Right drive overcurrent	Power off and on again. If the fault does not disappear, replace the drive.
57	Right brake fault	Inspect the connection of driver and motor.
58	Right motor haule is out of order	Inspect the connection of driver and motor.
59	Right motor MOS failure	Replace the motor driver.
60	Right motor phase fault	Inspect the connection of driver and motor.

Faults and troubleshooting methods

Fault code	Cause of failure	Inspection and handling methods
61	Right motor is locked	Inspect the connection of driver and motor.
62	Right motor phase current offset value is fault	Replace the motor driver.
63	Right motor main wire current fault	Replace the motor driver.
64	Right motor is not connected	Check whether the driver and motor connectors are loose.
65	Controller power is cut off	Turn the vehicle off and power on again.
66	Handrail position fault	Adjust proper handrails position.
72 ~ 99	Drive failure	Replace driver.



Any modification or changes on product which are not approved by manufacturer, user will void warranty.

This device complies with Part 15 of the FCC listed. Operation is subject to the following two conditions:

- (1) This device will not cause harmful interference.
- (2) This device accept any interference including interference comes from accidental operation.