2. Preparation

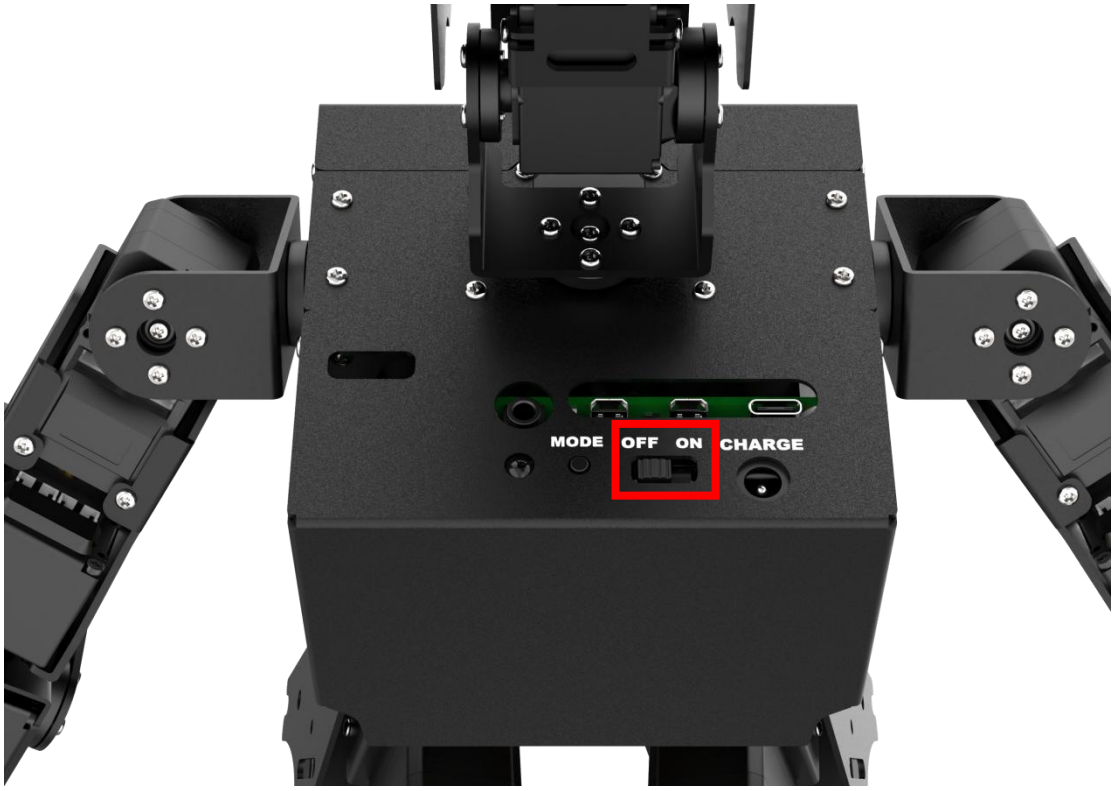
1. Charging Instruction

AiNex robot is powered by an 11.1V lithium battery. Please use the dedicated charger provided with the kit. Due to the need to power off the robot during transportation and limitations on fully charging the battery, users are required to charge the battery using the provided dedicated charger before the initial startup.

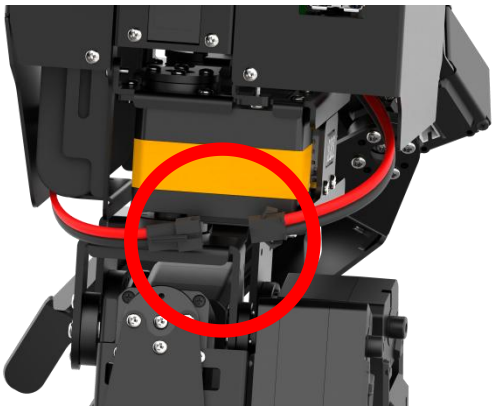
It typically takes around 1 hours to reach a full charge. Additionally, to maintain the optimal performance of the robot, please charge the battery promptly when the voltage is ≤10V.

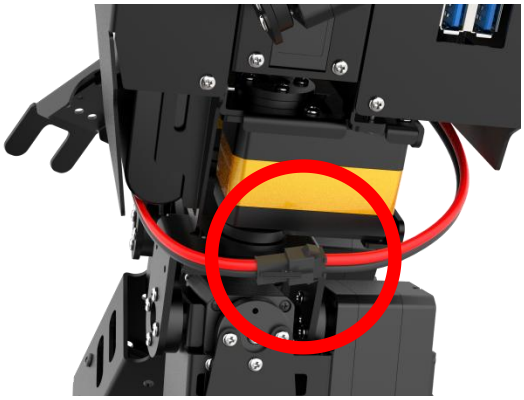
The operations for charging are as follow:

1) Turn **OFF** the robot.

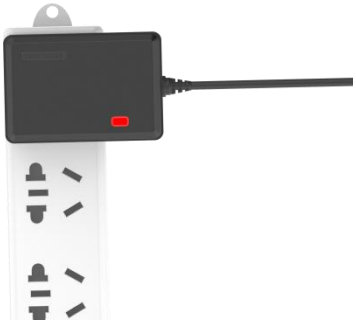


2) Connect battery wires, ensuring that each wire matches its corresponding color.





3) Connect the provided charger to the DC power port of the Raspberry Pi expansion board as pictured:



4) If the indicator is in red, it means that the battery is being charged. When the indicator turns green, the battery is fully charged. The charging time is about 3 hours.

2. Precaution for the Use of LiPo Battery

Due to the need to power off the robot during transportation and limitations on fully charging the battery, users are required to charge the battery using the provided dedicated charger before the initial startup.

1) Please refrain from connecting the battery wires until they are properly connected to the Raspberry Pi expansion board. Otherwise, there is a risk of a short circuit occurring due to contact between the positive and negative terminals.

2) Charge the robot with the special charger.

3) The indicator is in green when the charger is not connected to the battery.

4) If robot won't be used in a long period of time, please fully charge battery first, then disconnect battery wires.

5) Always keep battery in cool and dry environment, otherwise battery lifespan gets shortened. Never intentionally hit, throw or step on Lipo battery.

6) Do not hit, throw or step on the battery.

7) Do not use battery in areas with strong static electricity or magnetic fields, as this lead to damage to battery.

8) Do not insert battery into socket and connect battery terminals with metal objects.

Solemn Declaration: Our company shall not bear any responsibility for any product damage, economic losses, safety accidents, or other consequences caused by failure to follow the above "Precaution for the Use of LiPo Battery" .