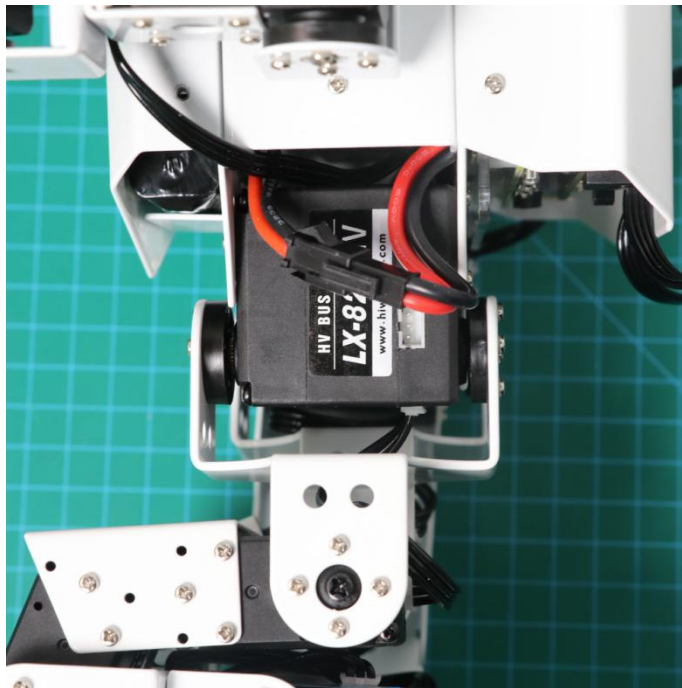


## Lesson 2 Start TonyPi

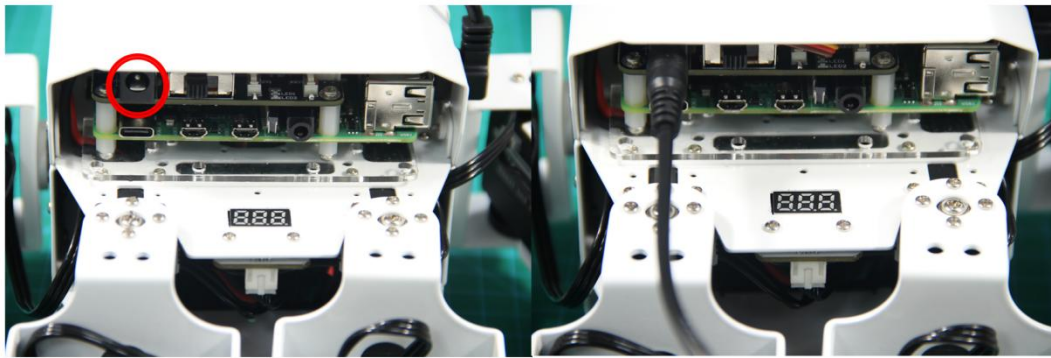
### 1. Charging

Since the battery cannot be fully charged during shipping, please charge the battery for more than 3 hours prior to the first use. The robot kit consists of a rechargeable lithium battery pack and a lithium battery charger. Please pay attention to the following points when charging:

PLEASE NOTE: please connect the red wire to red one and the black wire to black before charging.



- 1) The charger LED indicator will turn GREEN when the battery charger is connected to the battery without being plugged into an AC power outlet.
- 2) Plug end of the charger to the hole of the Raspberry Pi extension board on the back.



3) When the charger is connected to an AC power outlet, if the LED indicator is RED, it means that the battery is charging. If the LED indicator turns GREEN, it means the battery is charged and ready to use, and not keep charging.

4) When the battery voltage is lower than 9.6V, the robot will stop working. You should not wait to charge the battery; otherwise, it may be damaged due to over-discharging.

## **2. Turn on TonyPi**

1) Switch on Raspberry Pi expansion board on the back. The LED1 and LED2 of the Raspberry Pi will be on firstly and then the LED2 will flash every 2 seconds, which means the robot is turned on successfully.

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The Raspberry Pi is a small minicomputer. It usually takes about 1 minute to boot up from the time it is Powered ON, which is normal and expected.

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2) After turning on, Raspberry Pi will be in a AP hotspot mode and launch a Wi-Fi hotspot with a network named with the first letters “HW”.

HW-CB1C69E5	 
KR1	  
KR5	  
LH_5G	  

Now, let's move to the Folder 2. Quick User Experience for more lessons.