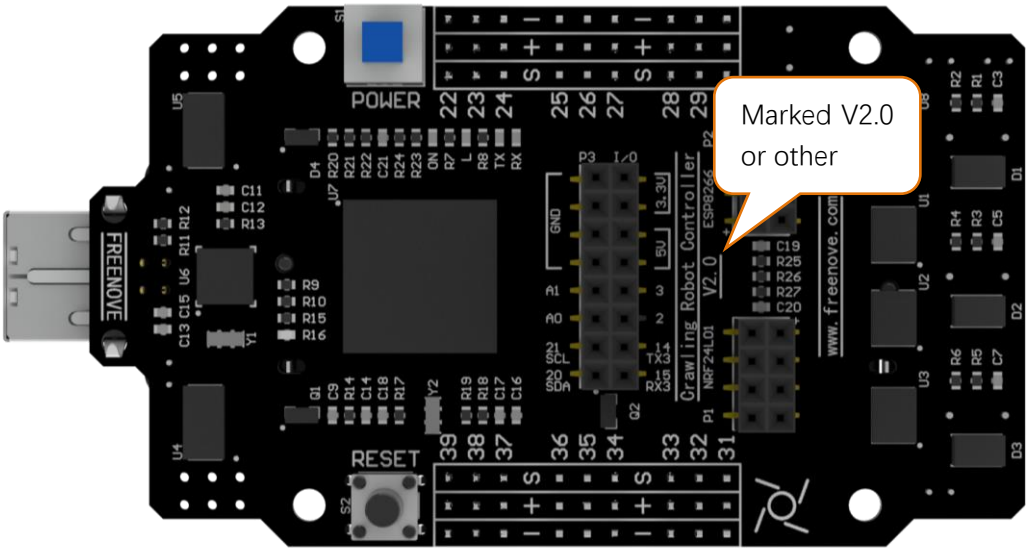
Note

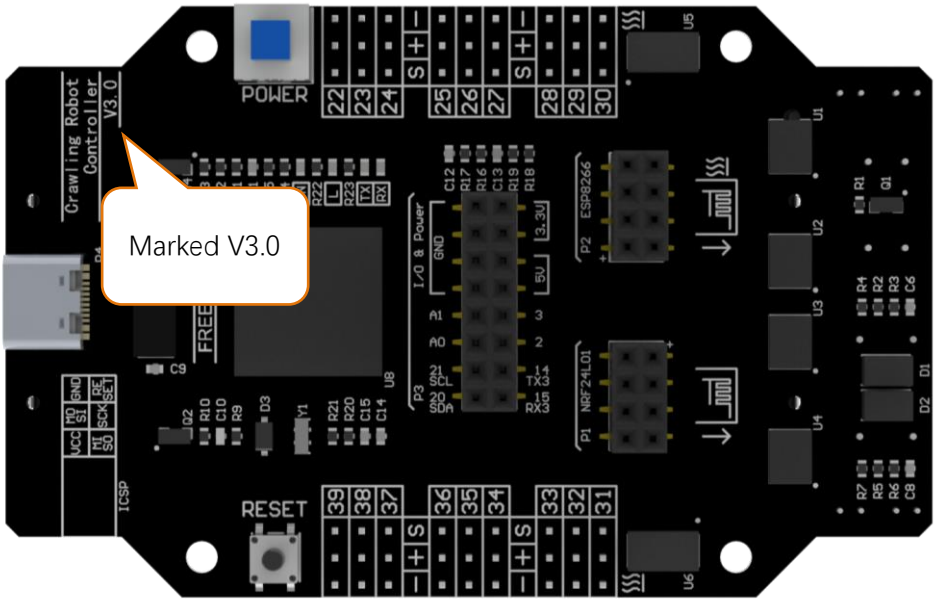
Please check the version of the control board included in the product you purchased first!

Note: Different versions of the control board use different types of batteries.
However, their functions are the same and they use the same code.

- If it is marked with V 2.0 or other, please buy battery according to this document and assemble the robot according to “Tutorial_for_V2.pdf”.



- If it is marked with V3.0, please buy battery according to “AboutBattery_for_V3.pdf” and assemble the robot according to “Tutorial_for_V3.pdf”.



About Battery

Important Notes

! Please prepare the right batteries and fully charge them before assembling.
Assembling the robot without right batteries will cause installation errors and damage the servos.

! The control board connected to the USB cable will not charge the batteries. So you aslo need a charger.

Purchase List

You can purchase batteries from following list.

! Some links in the list may be invalid, please select other available links or purchase by yourself.
(Please refer to next chapter if you want to purchase battery by yourself.)

! If you have any concerns, please feel free to contact us via support@freenove.com

Region	Purchase link
US/CA	https://www.nitecorestore.com/Nitecore-14500-650mAh-Battery-p/bat-imr14500-nite-ni14500a.htm
	https://www.walmart.com/ip/IMR-14500-Li-ion-Battery-2-Pk/51086802
	https://www.batteryjunction.com/nitecore-nl14500a-limn2o4-imr-14500-battery.html
	https://www.ebay.com/itm/400650464403
	https://www.ebay.com/itm/373016741579
UK/EU	https://eu.nkon.nl/nitecore-nl14500a-650mah-6-5a.html
	https://eu.nkon.nl/rechargeable/li-ion/14500-16340/energic-14500-650mah-13a.html
AU	https://www.ebay.com/itm/153064016008

Battery Models

If you want to purchase battery by yourself, choose the following models.

- **Recommended:**

IMR	3.7V	14500	Rechargeable	Battery

IMR 14500 3.7V rechargeable battery is suitable for high drain devices. All of them meet the requirements. We recommend IMR batteries with any brand. The following are examples:

Brand	Model	Picture
EFEST	IMR 14500	
NITECORE	NI14500A	

- **Also available but may need to remove the protective board:**

3.7V	14500	Rechargeable	Battery

14500 3.7V rechargeable battery also works. However, most of them have protective board inside. The following are examples:

Brand	Model	Picture
OLIGHT	ORB-145P07	
NITECORE	NI147	

! If the battery has a protective board, it needs to be removed before use.
(Please refer to next chapter to remove protective board.)

! Do not buy other types of batteries, such as non-rechargeable or different voltages.

! Amazon prohibits the sale of required batteries, please buy on eBay or other websites.

Remove Protective Board

! If the battery has a protective board, it needs to be removed before use.

If a battery has protective board, its length (excluding the positive cap) will exceed 50mm.

! No need to remove protective board if using IMR battery.

Most IMR batteries do not have a protective board. Even if it has, it does not need to be removed.

If it is too long to be easily installed and removed, you can choose to remove the protective board.

Note: The batteries can be charged and used properly after removal of the protective board. Howerever, you may cannot get guaranteed and other after-sales services for the battreries anymore.

Note: Please be careful when removing. Use plastic tools as far as possible to avoid short circuit. Your batteries may differ from those shown below.

- Protective board on positive pole.

A battery with protective board on positive pole is shown below:

Brand	Model	Picture
OLIGHT	ORB-145P07	

Remove protective board as shown below:

Note: Use tape to wrap the metal parts except the positive and negative pole, to avoid short circuit.

- Protective board on negaitive pole.

A battery with protective board on negaitive pole is shown below:

Brand	Model	Picture
NITECORE	NI147	

Remove protective board as shown below:

Note: Use tape to wrap the metal parts except the positive and negative pole, to avoid short circuit.