

3. Power Up

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In this page, we walk you through how to power your GoPiGo.

There are three ways to power the GoPiGo:

1. Using 8 xAA batteries

These are the best option when powering the GoPiGo, and comes with the base kit. With good rechargeable batteries, when running the GoPiGo on 8xAA batteries, you can expect the GoPiGo to run for over an hour.

To power the GoPiGo with AA batteries:

1. Locate the power connector on the GoPiGo.
2. Slide the battery adapter connector on to the white plug.
3. Toggle the power switch to turn on the GoPiGo. The power LED will turn on.



2. Using USB Micro cable

You can use a USB Micro adapter to power the GoPiGo from the Raspberry Pi. This is useful when you are programming and debugging the GoPiGo. Remember that the **motors and high powered sensors won't run** when you are only powering the GoPiGo via Micro USB. You must have the batteries connected in order for the

motors and sensors to work!



3. Using a custom power supply

If you are more advanced, you can try using a custom power supply between 9V and 12V with a rating of 2A or above to power the GoPiGo. Creating your own custom power supply can be useful if you want to test the GoPiGo with all it's functionality over a long period of time. The GoPiGo does not have reverse polarity protection in its power supply: create your own custom power source at your own risk.

Don't forget to turn on the power switch on the GoPiGo when you start using it.

Have a question? Go check out our support page here or post it on the forums [here](#).