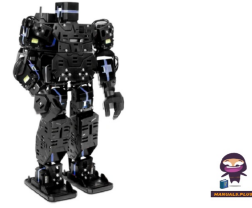


bushops IguanoBot Bionic Robot



bushops IguanoBot Bionic Robot Instructions

[Home](#) » [bushops](#) » bushops IguanoBot Bionic Robot Instructions 

Contents

- [1 bushops IguanoBot Bionic Robot](#)
- [2 Installation Instructions](#)
- [3 Documents / Resources](#)
 - [3.1 References](#)
- [4 Related Posts](#)



bushops IguanoBot Bionic Robot



The IguanoBot belongs to the “bionic robot” category. A “bionic robot” refers to a robot that mimics biology and engages with biological (i.e. living world) features. Like a robot, the IguanoBot uses a mechanical structure to imitate the crawling action of iguanas (biological characteristic). Leave us a starred review with a photo of you and your creation. And benefit from 20% on your next order



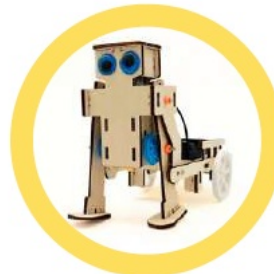
Discover our other robots



CoinMunch



AirplaneBot



RoboWalker

Precautions

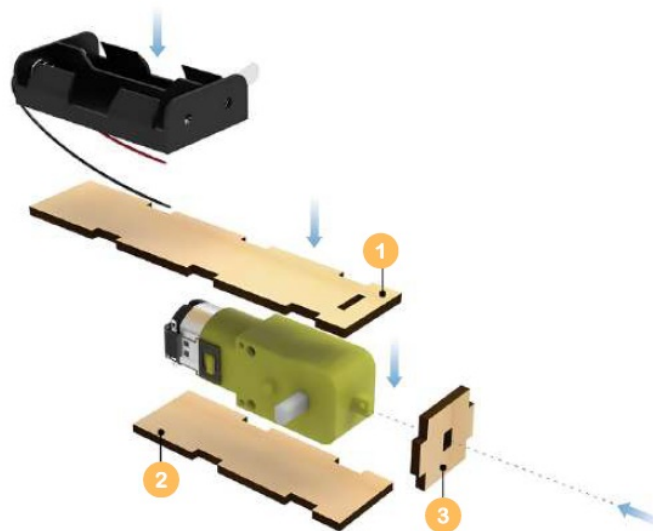
- This product requires two AA batteries, not included.
- When you fit the boards together, pay attention to their orientation (look carefully at the pictures) and nest them gently.

- When you connect the wires to the motor, make sure to put them in the correct position: the red wire to the right of the motor and the black wire to the left of the motor.

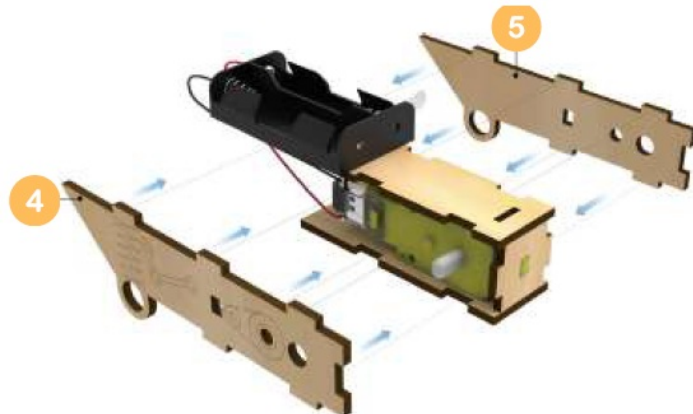
Installation Instructions

1. To begin, install the motor on plate 2.

Then plate 3 goes on the back of the motor and plate 1 goes on the motor. Glue the battery box to the back of plate 1 using double-sided tape.



2. Connect the wires from the battery box to the engine. The red wire goes through the right notch on the motor and the black wire goes through the left notch on the motor. Then twist the wires on themselves. Fit plates 4 and 5 on the sides to form the body of your IguanoBot.

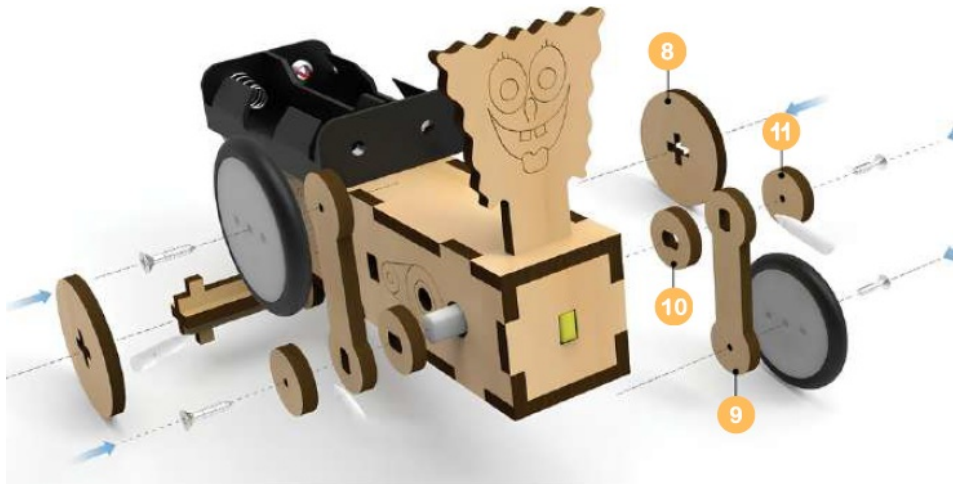


3. Snap the head onto the front of the IguanoBot. Then insert plates 6 and 7 into the hole at the back, as shown in the picture. These two plates must fit into each other.



4. Insert plates 8 at the ends of plates 6 and 7. Add the black belt to the white pulleys to form the wheels. Then

install them on the plates 9 using a screw in the center of the pulley. Fit the plates 10 onto the motor rods on each side. (The rod must not protrude beyond plate 10). Then screw plates 11 and 9 onto plate 10. Be careful, plates 9 must be installed in the opposite direction from each other.



Discover the principle of the IguanoBot:

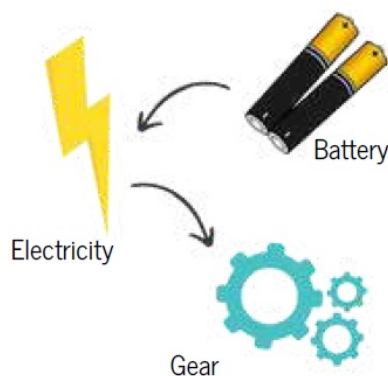
The magic of electrical to mechanical transformation

How can a small battery turn a motor with pulleys? It's a secret of science called "electrical to mechanical transformation".

What is electrical to mechanical transformation?

It's actually quite simple. Electricity is a form of energy. And when this electrical energy is transformed into movement or action, we call it an "electrical to mechanical transformation." This is exactly what happens in the IguanoBot.


How does the IguanoBot work?



1. **The battery:** The battery contains chemical energy which is transformed into electricity when we insert it into the IguanoBot. This is called "chemical to electrical transformation".
2. **The motor:** The IguanoBot has a small motor inside. When the battery sends electricity to this motor, this electricity is transformed into movement. This is where the "electrical to mechanical transformation" occurs.
3. **Movement:** The motor is connected to the wheels. So when the engine turns, it turns the wheels, and the IguanoBot starts moving.

And there you have it, it's that simple! The energy from the battery is transformed into electricity, then this electricity is transformed into movement.

Documents / Resources

 The thumbnail shows the cover of the 'IguanoBot Instructions' PDF. It features a small illustration of the IguanoBot robot at the top left. The title 'IguanoBot instructions' is prominently displayed. Below the title, there is a paragraph of text explaining the robot's purpose and how to use the instructions. At the bottom, there are three circular icons representing different robot models: GekkoBot, GeckoBot, and GeckoBot. The text 'Discover our other robots' is written below these icons. Social media links for Facebook and Twitter are also present at the bottom right.	<p>bushops IguanoBot Bionic Robot [pdf] Instructions IguanoBot Bionic Robot, Bionic Robot, Robot</p>
--	--

References

- [User Manual](#)

Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.