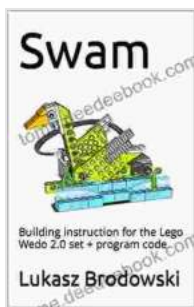


LEGO WeDo Set Program Code: Building Instructions

LEGO WeDo is an educational robotics set that allows children to learn about coding, engineering, and physics through hands-on play. The set includes a variety of sensors, motors, and bricks that can be used to build robots that can perform a variety of tasks.



Swam: Building instruction for the Lego Wedo 2.0 set + program code by JT Hustlez

★★★★☆ 4.4 out of 5

Language : English

File size : 7216 KB

Screen Reader : Supported

Print length : 15 pages

Lending : Enabled



The LEGO WeDo set comes with a number of different building instructions, but you can also create your own programs using the WeDo software. The WeDo software is a drag-and-drop programming environment that makes it easy for children to create programs to control their robots.

In this article, we will provide you with step-by-step building instructions for a simple LEGO WeDo robot. We will also provide you with the program code for this robot so that you can control it with the WeDo software.

Building Instructions

1. Start by building the base of the robot. The base should be made of a rectangular brick with two wheels attached to the bottom. You can also add a third wheel to the back of the robot for stability.
2. Next, build the body of the robot. The body can be made of any type of brick that you have available. You can use bricks to create a variety of different shapes and designs.
3. Once you have built the body of the robot, you need to attach the sensors and motors. The WeDo set comes with a variety of different sensors and motors, so you can choose the ones that are best suited for your robot.
4. Finally, you need to connect the WeDo hub to the robot. The WeDo hub is the brain of the robot, and it controls all of the sensors and motors.

Once you have built your robot, you can use the WeDo software to create programs to control it. The WeDo software is a drag-and-drop programming environment that makes it easy for children to create programs. You can use the WeDo software to create programs that make your robot move, turn, and perform other tasks.

Program Code

```
from weDoLib import * # Create a new WeDo project. project = WeDoProject
```

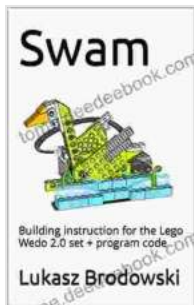
This program code will make your robot move forward when the sensor is pressed. You can modify the program code to make your robot perform other tasks, such as turning left, turning right, or moving backward.

Video Tutorial

In addition to the written instructions provided above, we have also created a video tutorial that shows you how to build and program a simple LEGO WeDo robot. The video tutorial is available on YouTube at the following link:

LEGO WeDo Robot Building and Programming Tutorial

We hope that this article has been helpful. If you have any questions about building or programming LEGO WeDo robots, please feel free to leave a comment below.



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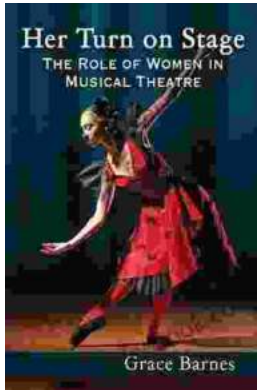
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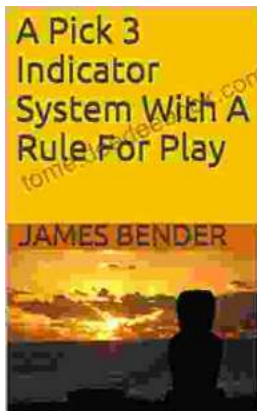
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