

Building Instructions for the LEGO WeDo Set: Program Code

The LEGO WeDo set is a popular STEM educational toy that allows children to build and program their own robotic creations. The set comes with a variety of building blocks, motors, sensors, and software that can be used to create a wide range of projects.

This article provides step-by-step instructions for assembling and programming the LEGO WeDo set. The instructions are divided into two parts:

1. Building Instructions
2. Program Code

Step 1: Assemble the WeDo Smart Hub



Parrot: Building instruction for the Lego Wedo 2.0 set + program code

★★★★★ 5 out of 5

Language: English

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The WeDo Smart Hub is the brain of the WeDo set. It connects all of the other components together and runs the program code. To assemble the

WeDo Smart Hub, follow these steps:

1. Insert the four AA batteries into the battery compartment.
2. Turn the power switch to the "On" position.
3. Connect the USB cable to the USB port on the WeDo Smart Hub.
4. Connect the other end of the USB cable to your computer.

Step 2: Assemble the WeDo Motor

The WeDo Motor is used to power the robotic creations. To assemble the WeDo Motor, follow these steps:

1. Insert the two LEGO Technic beams into the slots on the bottom of the motor.
2. Connect the motor to the WeDo Smart Hub using the blue cable.

Step 3: Assemble the WeDo Sensor

The WeDo Sensor is used to detect light, motion, and distance. To assemble the WeDo Sensor, follow these steps:

1. Insert the LEGO Technic beam into the slot on the bottom of the sensor.
2. Connect the sensor to the WeDo Smart Hub using the green cable.

Step 4: Assemble the WeDo Base Plate

The WeDo Base Plate is used to build the robotic creations. To assemble the WeDo Base Plate, follow these steps:

1. Connect the four LEGO Technic beams to the corners of the base plate.
2. Place the WeDo Smart Hub on the base plate.
3. Connect the WeDo Motor and WeDo Sensor to the base plate.

Step 5: Build Your Robotic Creation

Now that you have assembled the basic components of the WeDo set, you can start building your own robotic creations. The possibilities are endless!

Once you have assembled your robotic creation, you can program it using the WeDo software. The WeDo software is a drag-and-drop programming environment that makes it easy for children to create complex programs.

To program the WeDo set, follow these steps:

1. Open the WeDo software on your computer.
2. Connect the WeDo Smart Hub to your computer using the USB cable.
3. Click on the "New Project" button.
4. Drag and drop the programming blocks from the palette into the workspace.
5. Connect the programming blocks together to create a program.
6. Click on the "Play" button to run the program.

The WeDo software also includes a variety of tutorials that can help you learn how to program the WeDo set.

The LEGO WeDo set is a great way for children to learn about science, technology, engineering, and math through hands-on play. The building instructions and program code provided in this article can help you get started with the WeDo set and create your own robotic creations.



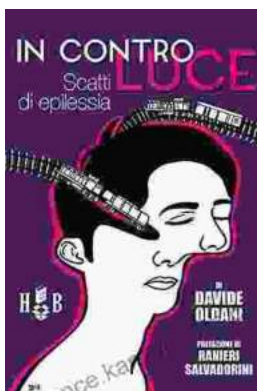
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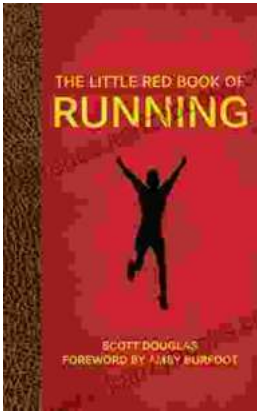
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