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The Robot Program Episode 012: Getting AdventureBot to Move

This lesson will demonstrate how to connect to and move the Revolution AdventureBot robot. Follow along with The Robot Program Episode 012: Getting AdventureBot to Move. At the end of this lesson, the reader will have learned how to connect to the robot using Wi-Fi, how to track color, access the the RoboScratch workspace for programming, and how to execute wheeled movement.
View the video episode here: https://www.ez-robot.com/Tutorials/Lesson/83

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Professor E's Overview

This lesson demonstrated how to connect to **AdventureBot** for the first time. Remember to start with a fully charged robot. Load the **Example Project** for **AdventureBot** and connect to the robot using Wi-Fi.
AdventureBot is a wheeled robot. Use the arrow keys and sliders within the **Servo Movment Panel** to move the robot. Color tracking can be enabled using the **Camera** control. The **RoboScratch** workspace can be used to create custom programs. Remember to disconnect, power off, and charge the robot when finished.

Step 1

Learn how to connect to **AdventureBot** for the first time. Disconnect from the battery charger.

Step 2

Power on the robot. Select the **EZ-B v4** Wi-Fi connection.

Step 3

Open **EZ-Builder**. Select **Example Projects** and load the **AdventureBot** project.



Step 4

See how to build **AdventureBot** in **Episode 010**.

Step 5

Select **Connect to EZ-B** and listen for the chime.

Step 6

Use the arrow keys and sliders of the **Servo Movement Panel** to control wheel movement.

Step 7

Use the **Microphone** control to record and playback sounds.

Step 8

RoboScratch can be used to create custom programs.

Step 9

Build programs by selecting actions.

Step 10

Learn more about **RoboScratch** in **Episode 006**.

Step 11

Follow the green line to see the action execution order.



Step 12

Click on **Start** to run the program.

Step 13

Click on **Source Code** to view the generated code.

Step 14

In the **Camera** control, click on the **Gear Icon** and select **Enable Movement Tracking**.

Step 15

In the **Camera** control, click on **Tracking** and select the **Color** checkbox.

Step 16

By default, **AdventureBot** will track the color red. Turn off tracking when finished.

Step 17

Remember to disconnect, power off, and connect to the battery charger when finished.

Quiz

Question #1
What letters are always at the start of the Wi-Fi connection name?
Question #2
Which control panel is used for AdventureBot's movement?
Question #3
What is the default color for camera color tracking?
View the answers to this quiz at www.ez-robot.com/Tutorials/Lesson/83.
Visit www.TheRobotProgram.com for more episodes.