

# SYNTHIAM

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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

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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 Movement 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

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

## Step 2

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

## Step 3

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

## Step 4

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

## Step 5

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

## Step 6

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

## Step 7

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

## Step 8

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**RoboScratch** can be used to create custom programs.

## Step 9

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Build programs by selecting actions.

## Step 10

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

## **Step 11**

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Follow the green line to see the action execution order.

## Step 12

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

## Step 13

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

## Step 14

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

## Step 15

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

## Step 16

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

## Step 17

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

**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](http://www.ez-robot.com/Tutorials/Lesson/83).

Visit [www.TheRobotProgram.com](http://www.TheRobotProgram.com) for more episodes.