**Establishing a Bluetooth Connection Between Two EV3 Robots**

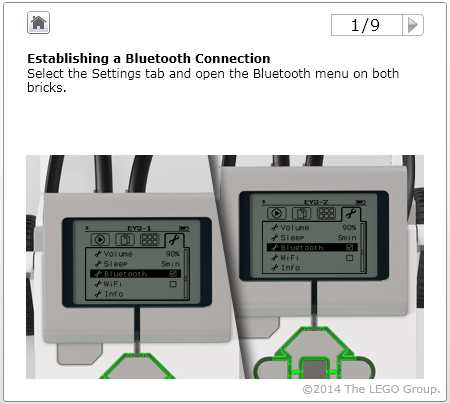
**Purpose: The first step in utilizing robot-to-robot communication with EV3 robots using Bluetooth is to connect the robots together.**

**Most of the instructions here use screenshots from EV3 tutorials. You can’t find the tutorial in the lobby of the Education version of EV3, you have to click a link from within the Messaging tutorial in Robot Educator.**

**For best results I usually turn off the iPad/iPhone Bluetooth feature on both robots.**

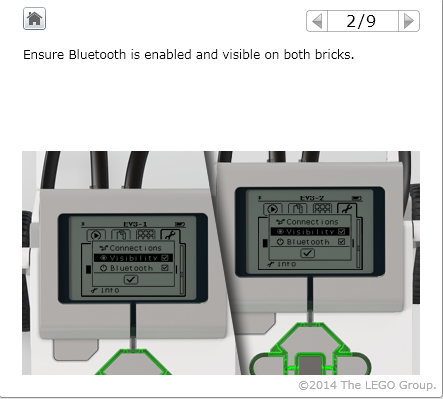
**I have found that one thing that affects initial connections is battery power. This is totally anecdotal from my classroom, but just to be safe, I would make sure you are working on a full charge.**

**Step 1 – Navigate to correct screen**

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The Bluetooth menu is on the fourth (from left) tab, also called the settings tab. Choose it on both robots.

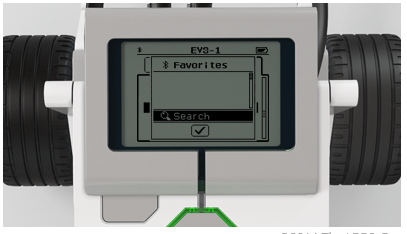
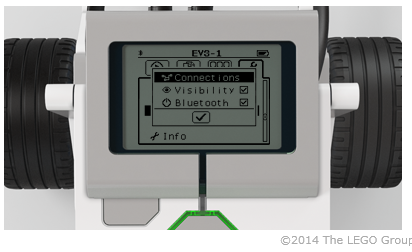
**Step 2** – **Make sure the correct Bluetooth settings are chosen on both robots.**

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This is the same screen where I uncheck the box for iPad/iPhone.

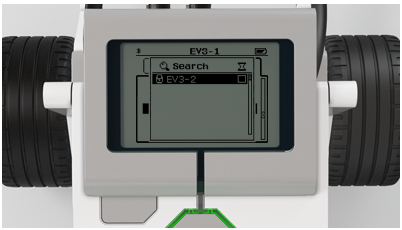
You can’t see it in this screenshot however.

**Step 3 – On one robot (I usually choose the one that will be sending messages first) choose Search from the Bluetooth menu.**

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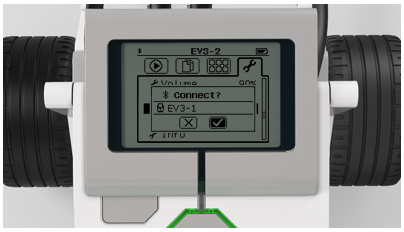
First you must click “Connections,” then you click “Search.”

**Step 4 – Connect the robots**

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Find the name of the robot you are searching for. In this example it is EV3-2. By clicking on the name of the robot you want to connect to, it will initiate the connection procedure.

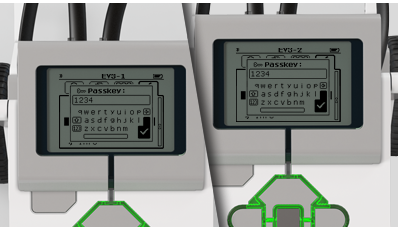
**Step 5 – Accept the connection**

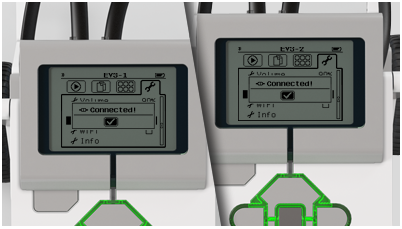
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On both robots you will be asked if you want to accept the connection. Choose the default bolded checkmark.

**Step 5 – Verify the passkey and you’re done!**

On both robots this screen will pop up with a passkey of “1234.” This is not a case where you have to get sophisticated with passwords. Just click the checkmark to choose this default.

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If you’ve made a successful connection you will see this screen pop-up on both robots. Click the check mark and you are ready to get started! See the “Simple Bluetooth Programming” handouts for some ideas on what to do next.