How to Pair the V5 Controller to the V5 Robot Brain

Step 1: Gather the required components

You will need the following items to complete this process:

- V5 Robot Brain connected to a charged V5 Robot Battery
- V5 Controller
- V5 Robot Radio
- 2 Smart Cables

Step 2: Connect the Controller to the V5 Robot Brain using a Smart Cable
Connect a Smart Cable to one of the Smart Ports on the rear of the V5 Controller and to any Smart Port on the V5 Robot Brain.

Power on the brain.

The controller should automatically turn on when the brain is powered on and they are connected via a Smart Cable.

**Step 3: Check the V5 Controller and V5 Robot Brain synchronization**
Wait for the devices to indicate they are connected.

The image above shows a typical indication of the lack of connection.

**Step 4: Connect the V5 Robot Radio**
Next, connect the V5 Robot Radio to the V5 Robot Brain.

The radio is necessary for a wireless connection. The radio can also be connected to any Smart Port.

**Step 5: Verify a wired link**
When the V5 Robot Brain and V5 Controller are connected with a V5 Smart Cable, they will show wired connection indicator icons.

**Step 6: Set the Radio mode**

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<tr>
<th>Settings</th>
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<td>Rotation</td>
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<tr>
<td><strong>Radio Type</strong></td>
<td>VEXnet</td>
<td></td>
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</table>

- Navigate to the Settings menu to change the Radio setting.
- Set the radio to VEXnet by tapping on the Radio setting.

**NOTE:** If the Radio mode is already set to VEXnet, skip Step 7.

### Step 7: Accept the alert

![Confirm]

Changing the radio mode to Bluetooth will also change the Controller to Bluetooth. Connect your Controller then press OK.

- Press OK when this warning appears when changing the Radio setting.

**NOTE:** Although the warning is about Bluetooth, it also applies to the VEXnet setting.

### Step 8: Verify the wireless connection

![Home]

1. Drive
2. Devices
3. Settings
4. VEX
5. User
• Disconnect the Smart Cable connecting the controller and brain to see the symbols indicating the wireless connection.

• Use the controller to communicate with the brain wirelessly.