

Meritus AI

SCRATCH4PHIRO

✦ INSTALLATION GUIDE ✦



Scratch4Phiro Installation Guide

Welcome to the world of **Scratch4Phiro** , where you can bring your ideas to life and make the Phiro robot do amazing things!



This guide will help you install and setup **Scratch4Phiro** on a Windows computer. Follow these steps, and you'll be ready to create your very first program in no time. Let's dive into the fun of coding and robotics !



Coming soon for MacOS.

Step 1 - Check for Required Software

Before we get started, let's make sure your computer has the software needed to run Scratch4Phiro. Follow the steps below based on whether you're a new user or an existing user.

New User Steps:

1. Press **Windows key + R** on your keyboard at the same time.
 - This will open a small box called the **Run Command**.
2. In the box, type **appwiz.cpl** and then press **Enter**.
 - This will open a list of all the programs installed on your computer.
3. Check whether **Adobe AIR** and **Adobe Flash** applications are installed.
 - If they are not installed, proceed directly to **STEP 2 - App Installation Process. {Page 4}**

Existing User Steps:

1. Press **Windows key + R** on your keyboard at the same time.
 - This will open a small box called the **Run Command**.
2. In the box, type **appwiz.cpl** and then press **Enter**.
 - This will open a list of all the programs installed on your computer.
3. Look for **Adobe AIR** and **Adobe Flash** in the list.
4. The Scratch4Phiro app requires Adobe AIR software, **version 33.1.1.744**.
 - To maintain the required version, you must remove any other versions of Adobe AIR.
5. If Adobe AIR and Adobe Flash are installed:
 - Locate and double-click **Uninstall_Adobe_AIR.exe** (provided in the package). [Here](#)
 - Select Adobe AIR and Adobe Flash, then click **Uninstall**. (Refer to Image 1)

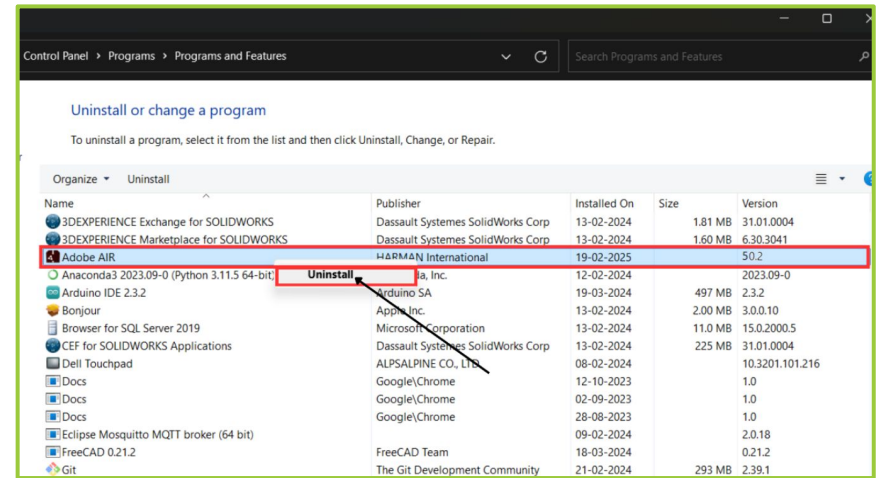


Image 1

Step 2 - Install Scratch4Phiro

Now it's time to install **Scratch4Phiro**:

1. Download the **Scratch4Phiro.exe** file from [here](#).
 - If you see a warning message, click **Keep File** to continue.
2. Open the downloaded **Scratch4Phiro.exe** file.
 - Follow the instructions on the screen to install the app.
3. During installation, **Adobe AIR version 33.1.1.744** will install automatically.
4. When installation is done, double-check that **Adobe AIR** was installed correctly:
 - Press **Windows key + R** , type **appwiz.cpl** , and press **Enter** .
 - Make sure **Adobe AIR version 33.1.1.744** is listed in the programs.

Step 3 - Pairing Phiro with Software

Follow these steps to connect your **Phiro robot** to your computer using Bluetooth and link it with the **Scratch4Phiro app** :

1. Turn on Advanced Bluetooth Discovery:

- Go to **Settings > Bluetooth & Devices > Devices > Device Settings > Bluetooth Device Discovery**.
- Change the mode from **Default** to **Advanced**.

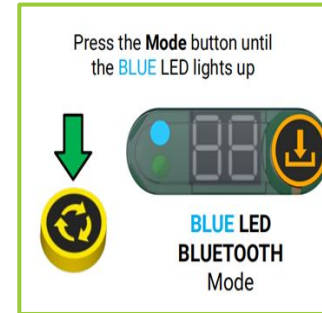


Image 2



Image 3

2. Turn on Phiro:

- Power on the **Phiro robot** and switch it to **Bluetooth Mode**. **Add Phiro as a Bluetooth Device**:(Refer to Image 2)
- Go to **Settings > Bluetooth & Devices > Add a Device**.
- Locate **Phiro's number** (found on the bottom of the Phiro bot).(Refer to Image 3)
- Select the device, and when prompted, enter the PIN: **1234** to pair. (Refer to Image 4)

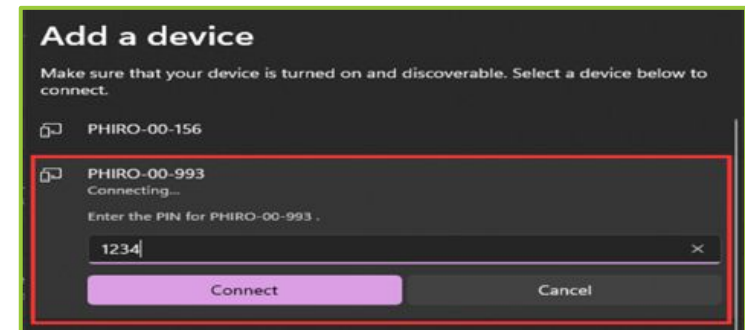


Image 4

4. Identify Phiro's Connection Port:

- Navigate to **Bluetooth & Devices > Devices > More Bluetooth Settings > COM Ports**.
- Note the port number listed as **Outgoing** (e.g., COM4).

5. Connect Phiro to Scratch4Phiro:

- Open the **Scratch4Phiro app**.
- Select the **Outgoing COM Port** you noted earlier and click the **Connect** button. (Refer to Image 5)
- In the **Scratch4Phiro app**, go to **Scripts > More Blocks**.
- A **green circle** indicator in the app and a **green LED** on the Phiro bot will confirm a successful connection. (Refer to Image 6)

6. Connection Issues:

- If a **red circle** appears in the **Scratch4Phiro app** and the **green LED** on the Phiro bot does not glow, it means Phiro is disconnected. (Refer to Image 7)
- In that case, repeat the **Phiro Pairing Process** from the beginning.

Important: Each time you reconnect Phiro, you must follow the **Step 3 - Phiro Pairing Process** again.



Image 5

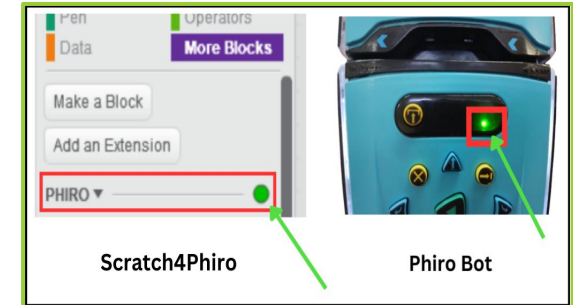


Image 6

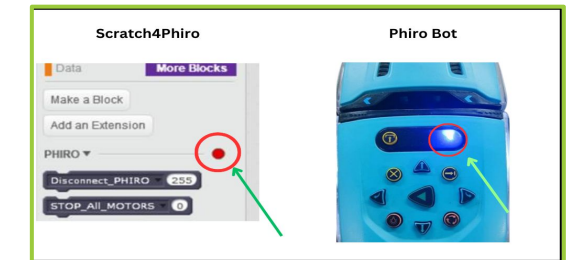


Image 7

Step 4 - Run your First Program

Ready to see your robot in action? Let's run a sample program:

1. Download a **Sample Program** from [here](#).
2. Open **Scratch4Phiro**.
3. Click **File > Open**, then select a sample program you downloaded.
4. Click the **Flag icon** to start the program.
5. Watch as Phiro follows your commands!

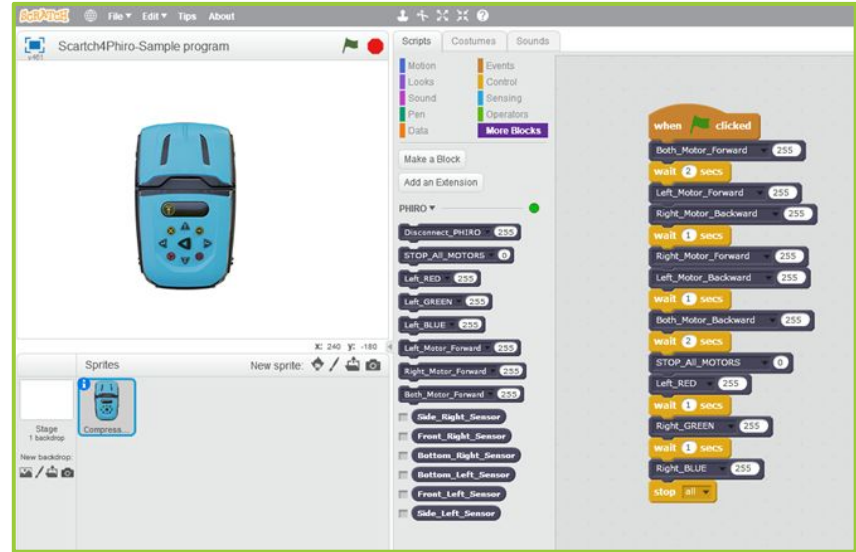


Image 8

Step 5 - Troubleshooting Tips

Sometimes things don't go as planned. If Phiro isn't working, try these steps:

- If Phiro disconnects, go back and follow STEP 3 again.
- Make sure that:
 - Bluetooth is turned on.
 - You're using the correct COM Port.

Need help? email us at support@meritus.ai .

Have fun Creating, Coding and Exploring with Scratch4Phiro!

THANK YOU

Scan the QR Codes below to explore more using Phiro



Phiro Video



Phiro with Scratch &
Pocket Code Video Playlist