R-Tune V4 installation and connecting to ECU
For Windows and Android devices

Document Version	1.0	**Release Date**	12 Jan 2023

Application information	**Generic**
Vehicle	**Not Applicable**
Model	**Not Applicable**
Year of manufacture	**All PowerTRONIC V4 ECUs**

Note:

- Read through all instructions before installation and use.
- For any assistance, please contact the support team.
- The files may be downloaded to the Downloads section of your devices generally unless the user previously selected a file directory.
- In some cases, the connection may face an error or the comport number may not be visible. To see the comport number, refer to page 9. Contact support for any assistance.

Support:

North & South America : +1 267 214 9292 (Call) +91 9606 044 178 (WhatsApp)

India, Bangladesh, Bhutan, Sri Lanka & Nepal : +91 9916 229 292 (Call & WhatsApp)

Rest of the world : +91 9606 044 177 (Call & WhatsApp)

Email : support@powertronicecu.com

Website : www.powertronicECU.com

Requirements

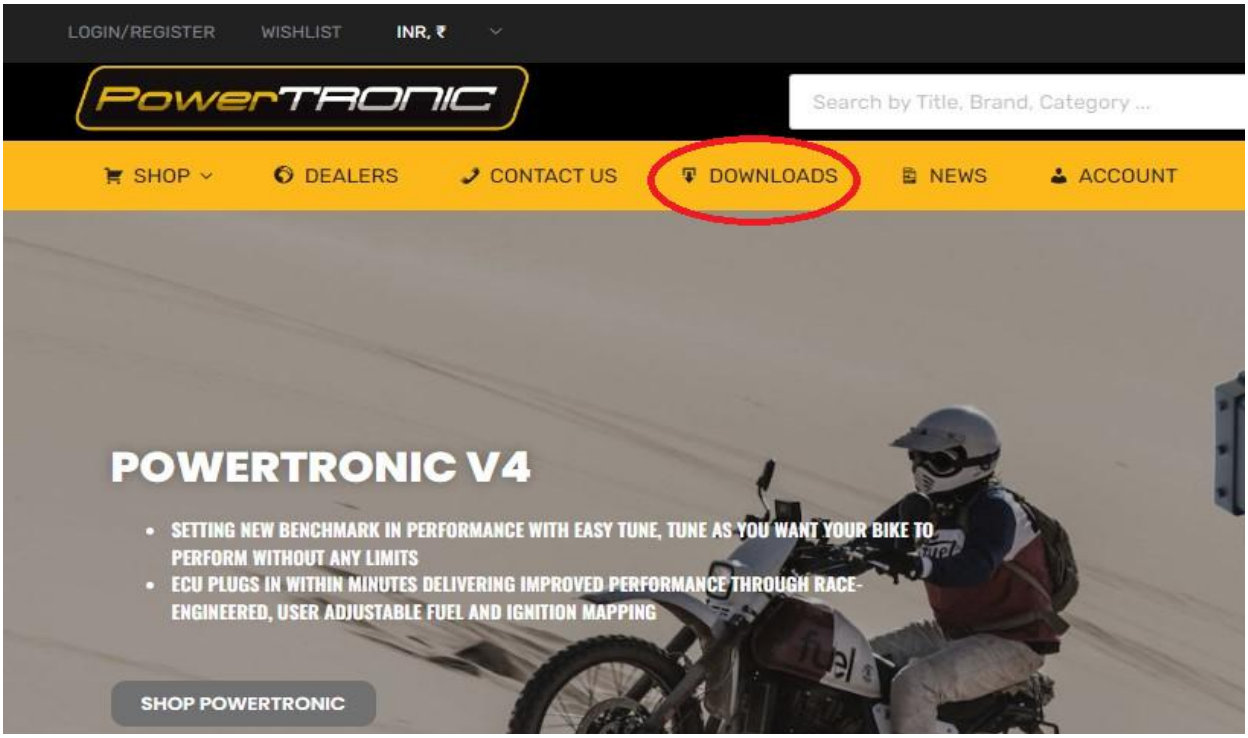
1) Minimum Recommended operating system, WINDOWS 10/11
2) Minimum Recommended Android version, 11 and onwards
2) RAM 4 GB
4) USB Type-A port on the laptop, Type-A female to Type-C male or Type-A female to Micro USB male depends on the phone model/variant
5) Stable internet connection
6) A fully charged computer/Phone or a stable power supply

General information:

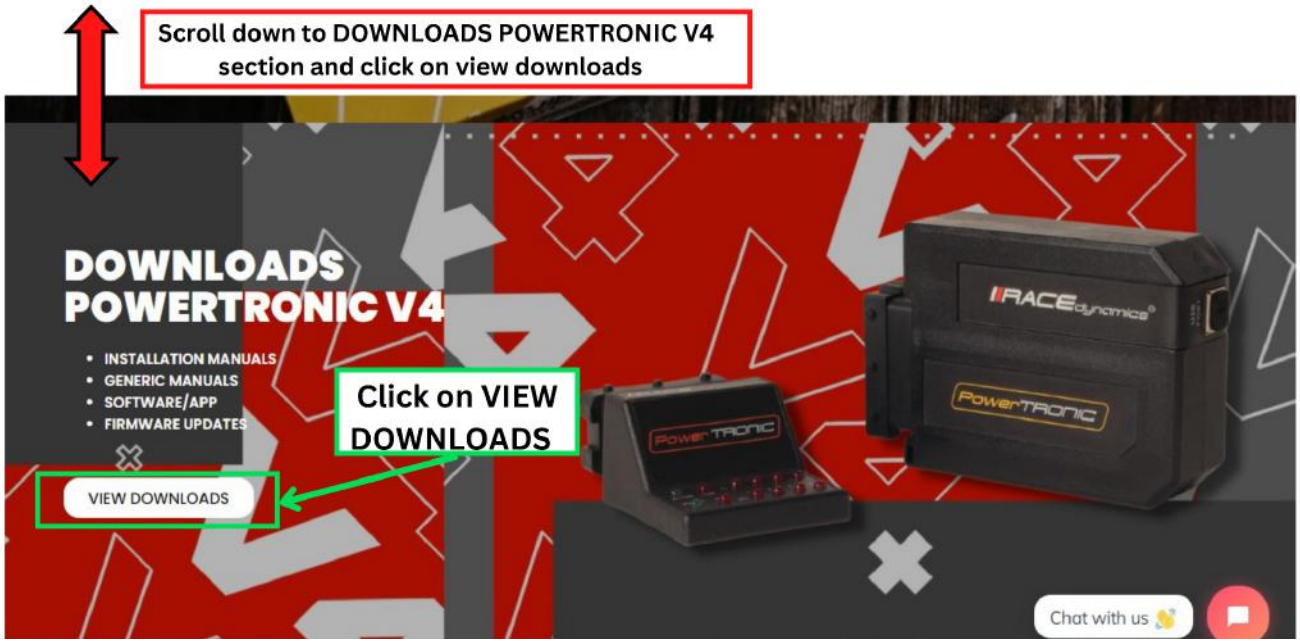
1) Uninstall any previous versions of R-Tune before proceeding.
2) PowerTRONIC is a USB-powered device, so it does not need to be connected to a vehicle or specifically turned on to establish communication with the computer/phone.
3) To create a shortcut to R-TUNE V4 on your desktop, please tick “Create a desktop icon” during the installation process.

R-Tune V4 installation for Windows

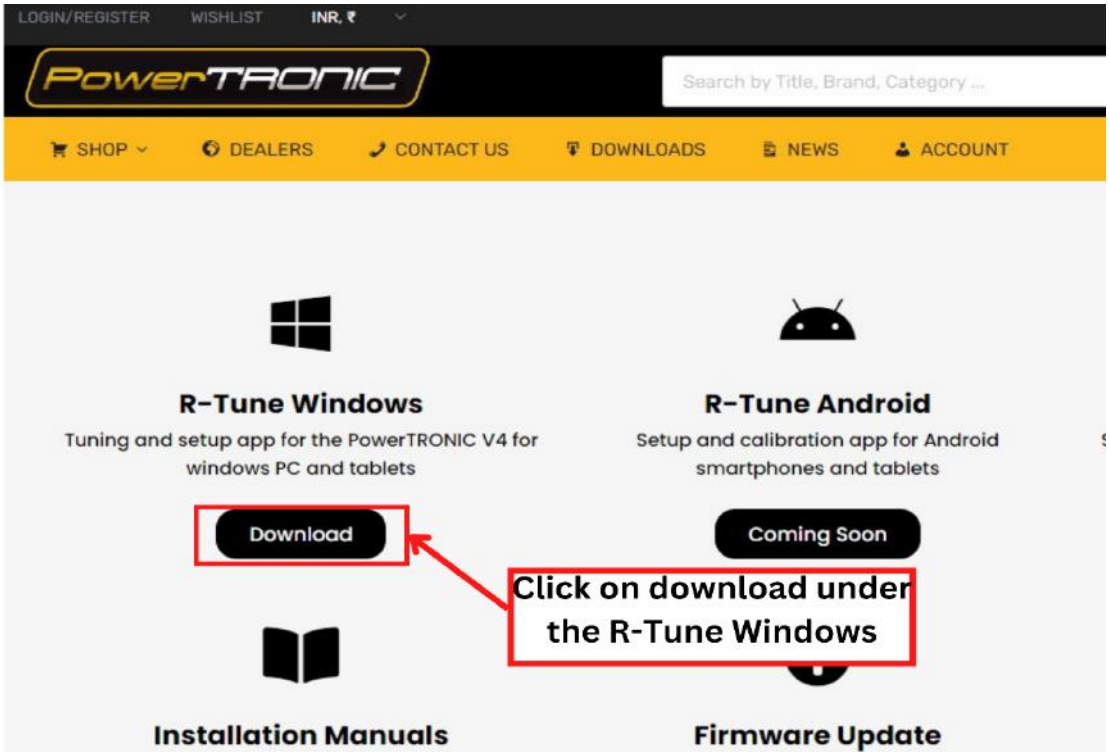
1. Go to *www.powertronicecu.com* and select the *Downloads* option.



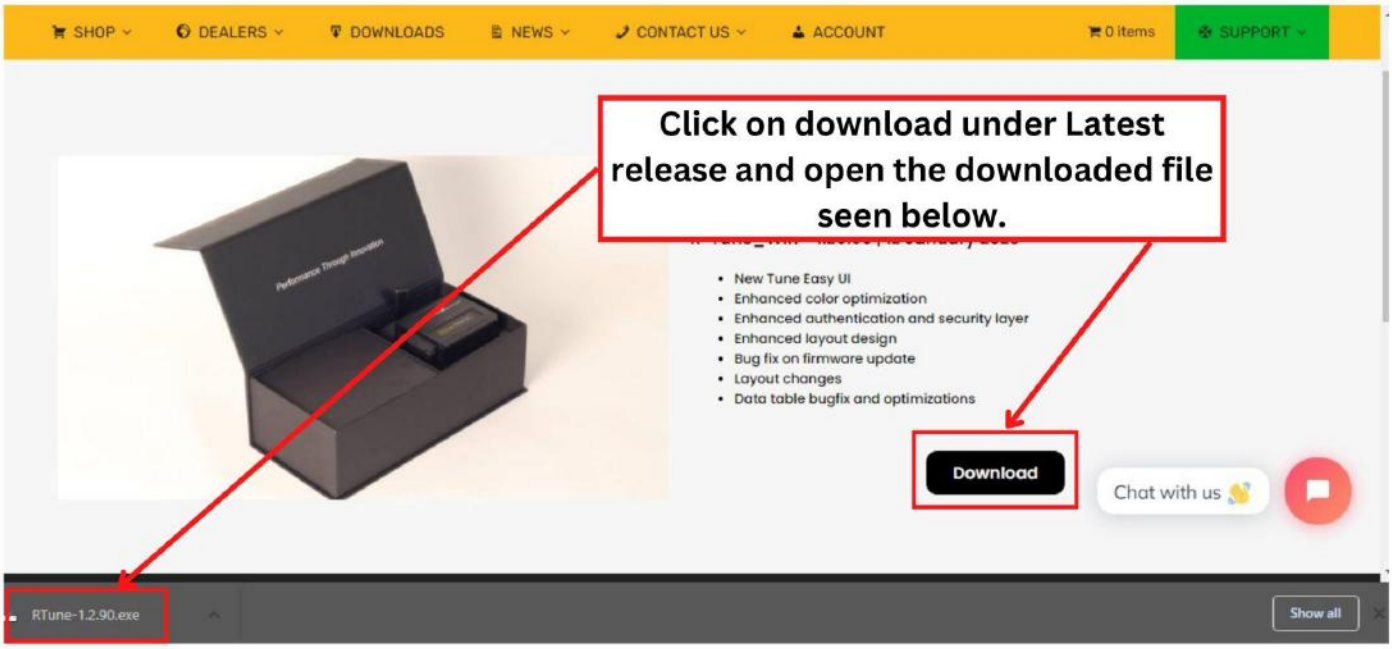
2. Scroll down to the **Downloads PowerTRONIC V4** section and click on **View Downloads**



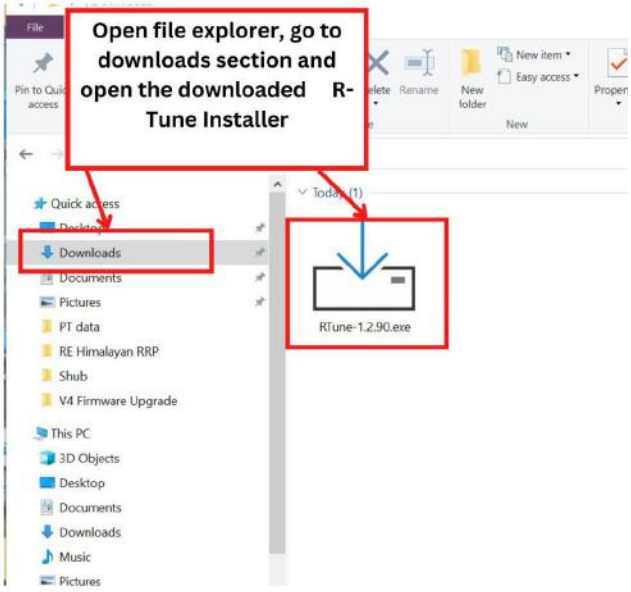
3. Click on **Download** under the R-Tune Windows



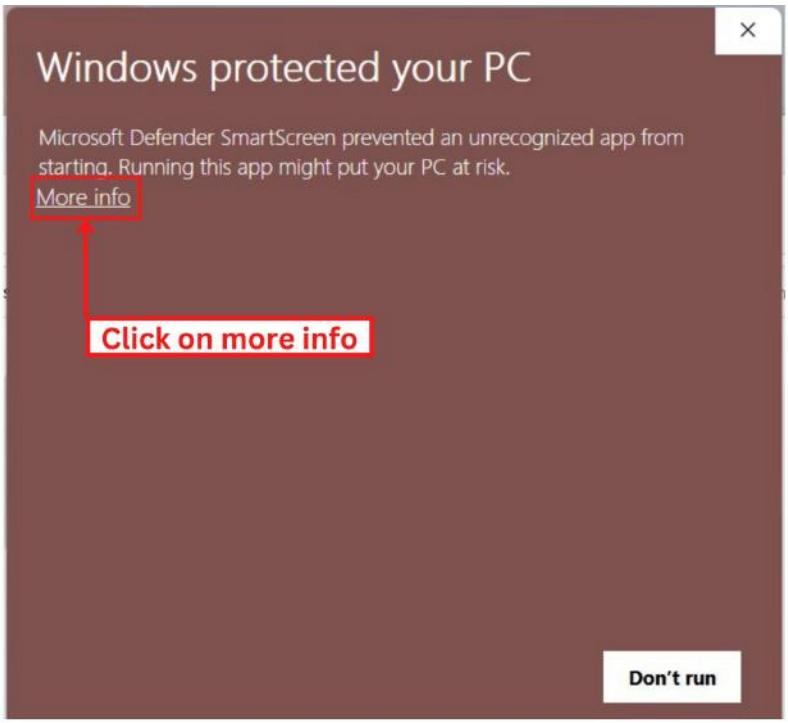
4. Click on Download under latest release and navigate to the downloaded file location.



5. Navigate to the Download location of the file and double-click on the R-Tune setup file.

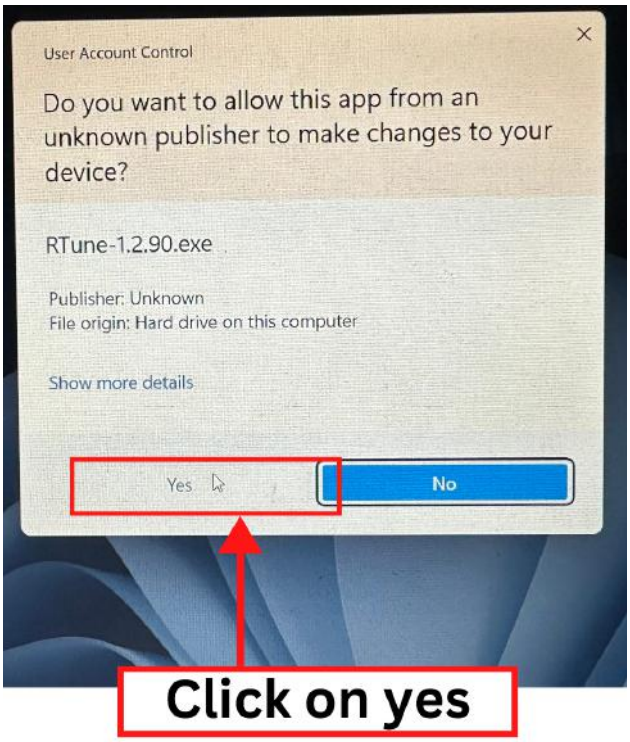


6. Once the installer is opened a pop-up window appears. Click on **More info** in the pop-up.

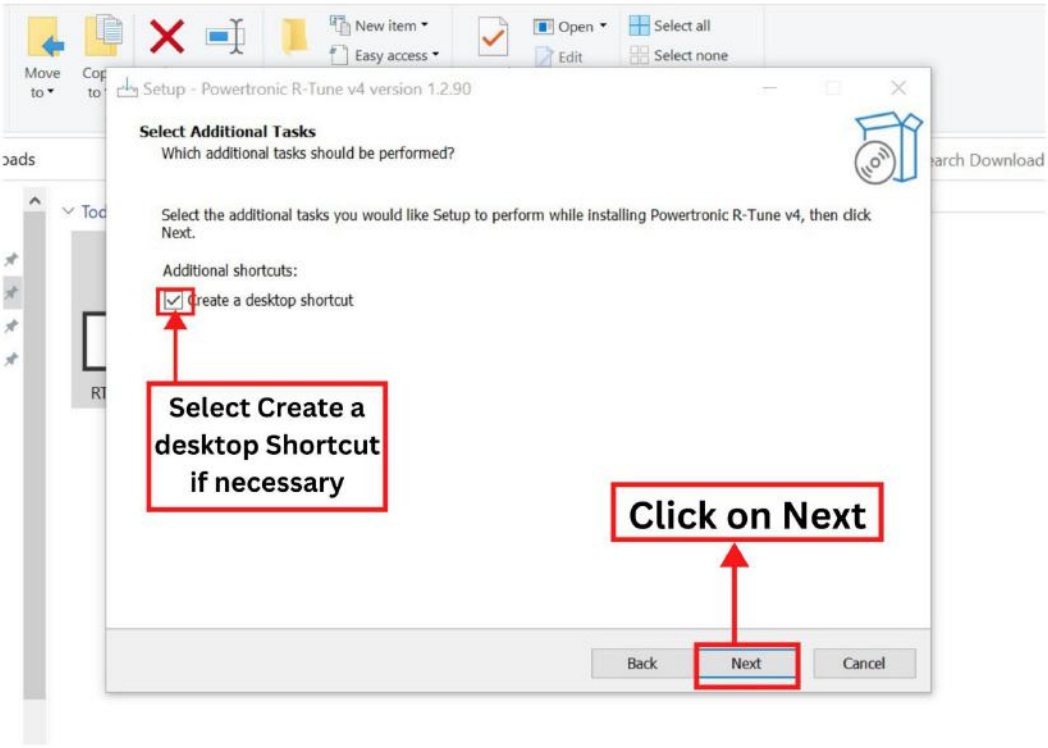


7. After clicking on **More info** in the pop-up, click on **Run Anyway.**

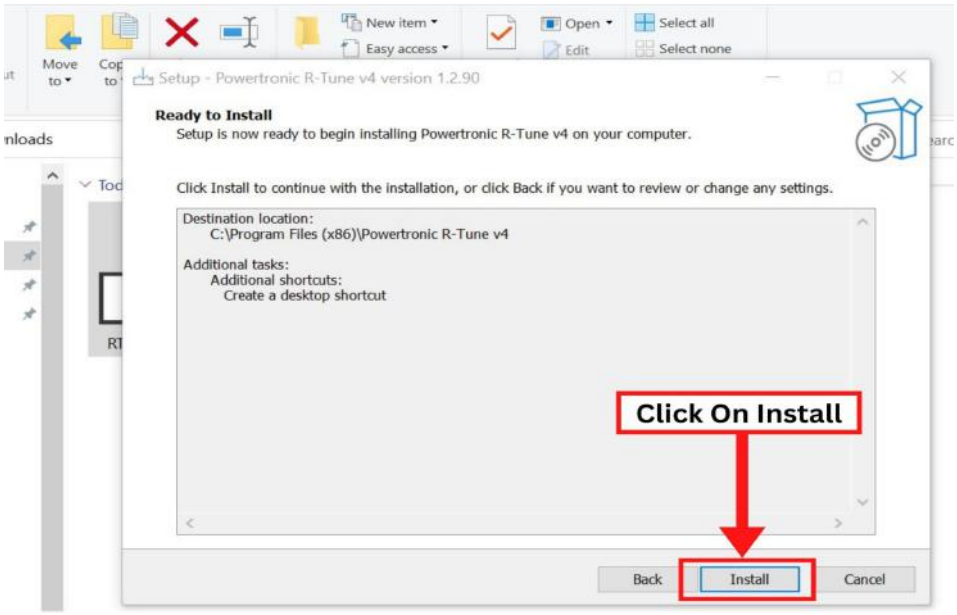
8. After clicking on **Run Anyway,** the **User Account Control** pop-up appears. Click on **Yes.**



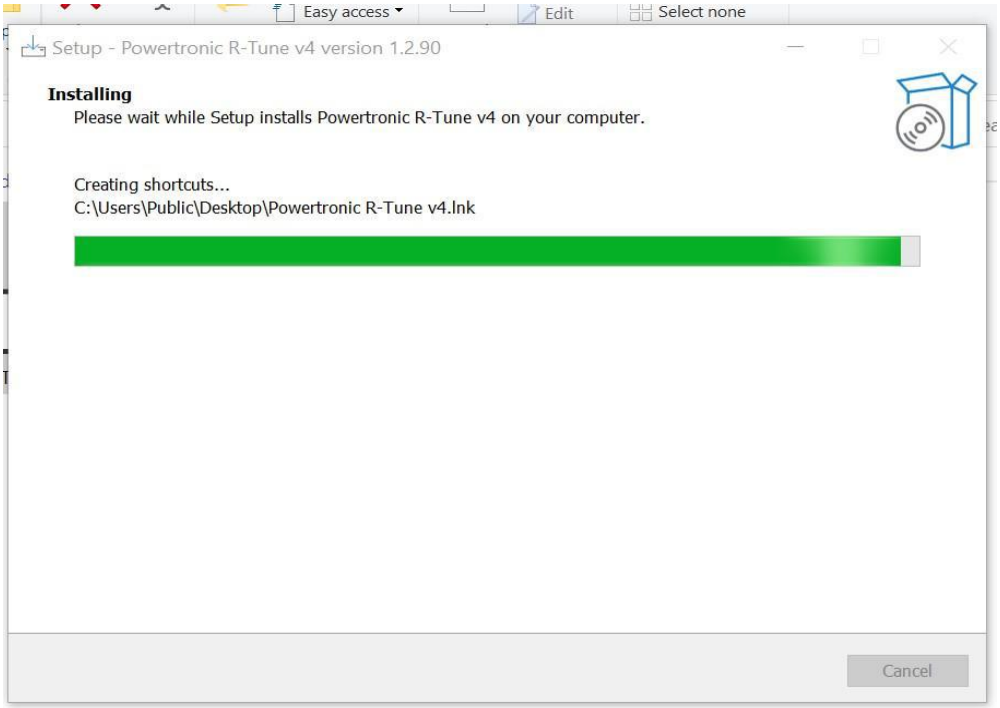
9. The installation wizard will appear now. Select **Create a desktop shortcut** if necessary and then click on **Next.**



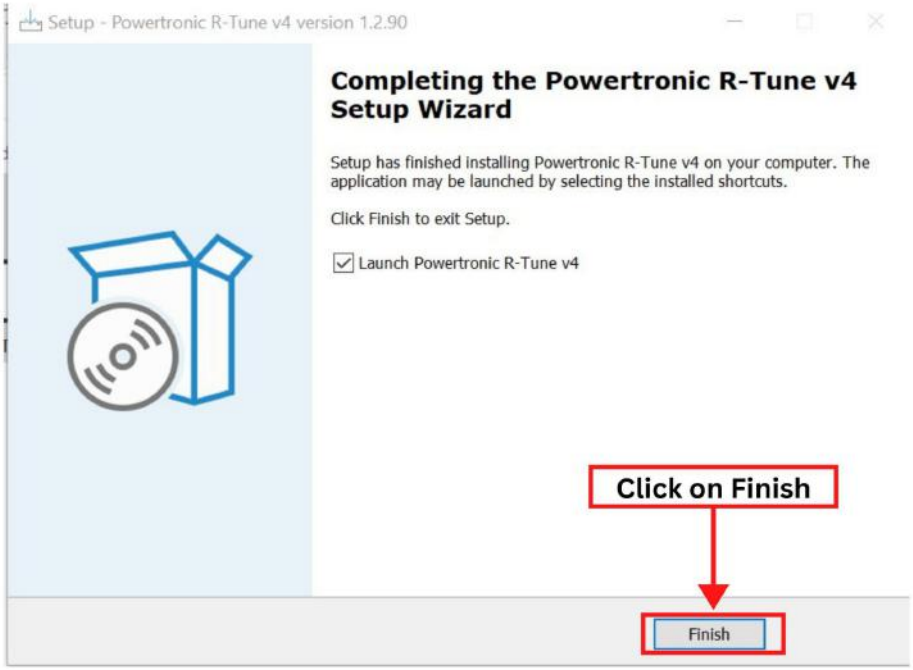
10. Click on **Install**



11. The process of installation will automatically get started.



12. After the setup is completed, click on **Finish.**

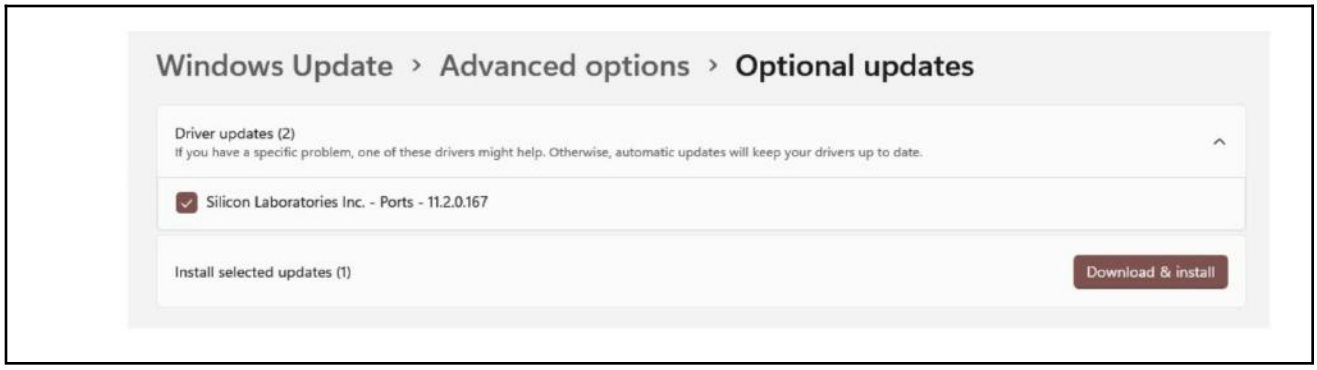


13. R-Tune V4 does not require USB drivers separately. They will be installed with the R-Tune V4 setup.

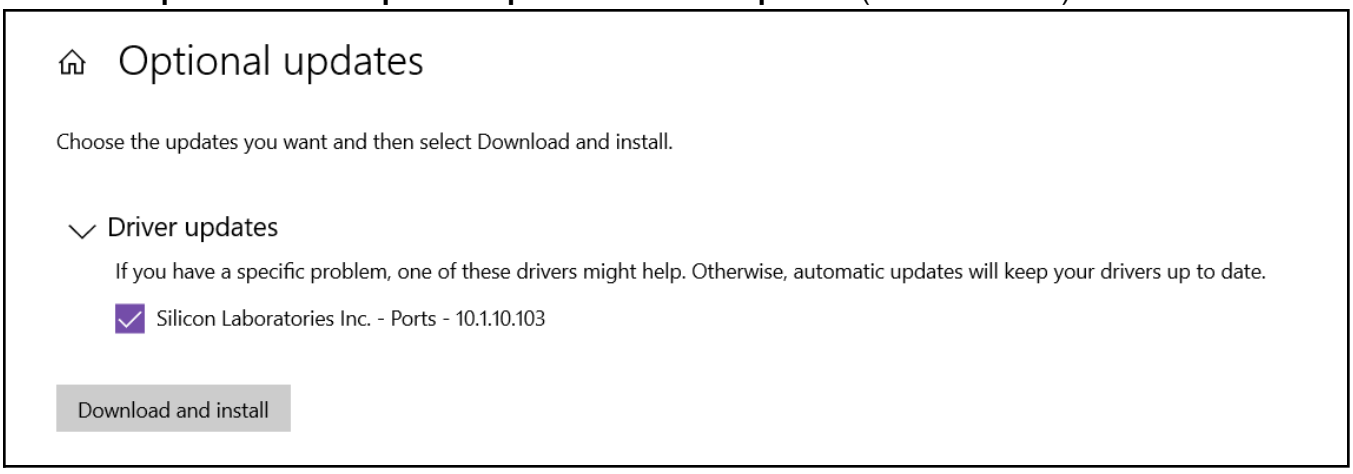
However, if you face some connection issues, please make sure you update your system's drivers, especially **"Silicon Laboratories Inc"**

To see this driver Download option, Click on Check for Update in the Windows update section and go to

- **Windows update → Advanced options→ Optional Updates → Drivers Updates** (in Windows 11)



- **Windows Update → View Optional Updates → Driver updates** (in Windows 10)



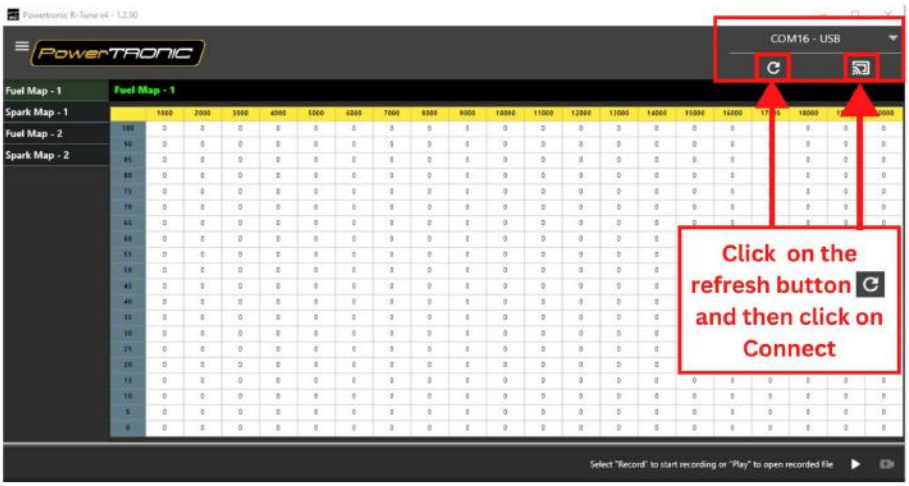
Check on the *Silicon Laboratories Inc* **Driver and click on the Download and install button.**

Connecting R-Tune to ECU

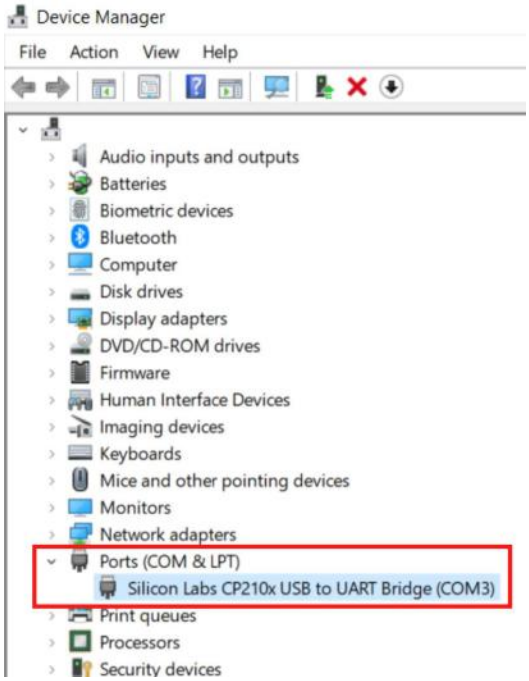
14. Open the R-Tune software by double-clicking the icon on the desktop of the PC.

15. With the PowerTRONIC connected to your bike, use the USB cable and connect it to the PC.

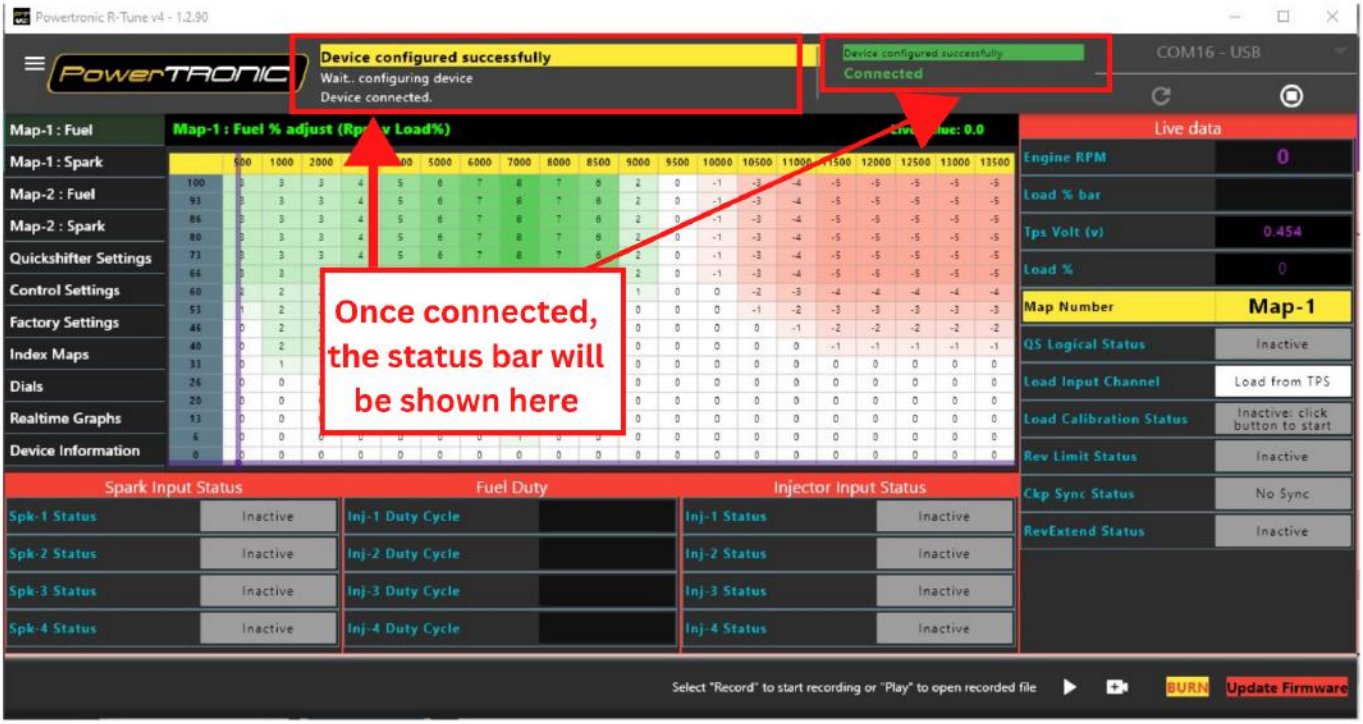
16. Identify the correct COM Port in **Device Manager** and locate the same COM Port in the R-Tune software. (Refer to the figure below)



(To check your com port number, go to **Device Manager**, **Select Ports (COM & LPT),** and note the number on the **Silicon labs CP210x USB to UART Bridge**. Refer to the figure below)



17. Once connected, the status bar of the R-Tune will denote as shown below.

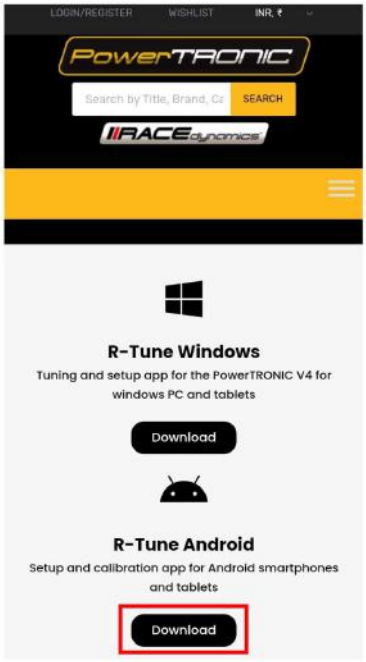


R-Tune V4 installation for Android

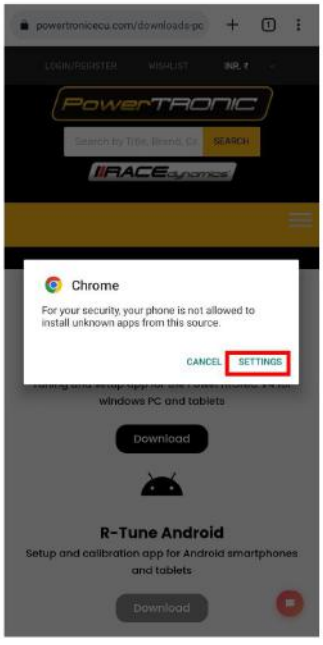
Step 1: Go to the internet browser on your Android phone and go to the website www.powertronicecu.com and click on the Downloads section.

Step 2: Scroll down and go to the PowerTRONIC V4 Downloads section and click on the View Downloads button.

Step 3: Click on the Download button below the R-Tune Android section.



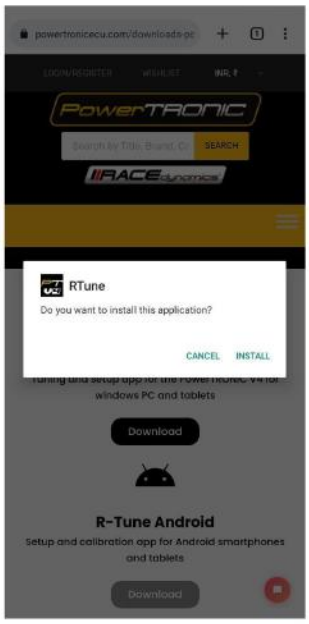
Step 4: In some cases, the phone may not let you download the file and gives a pop-up. Click on Settings



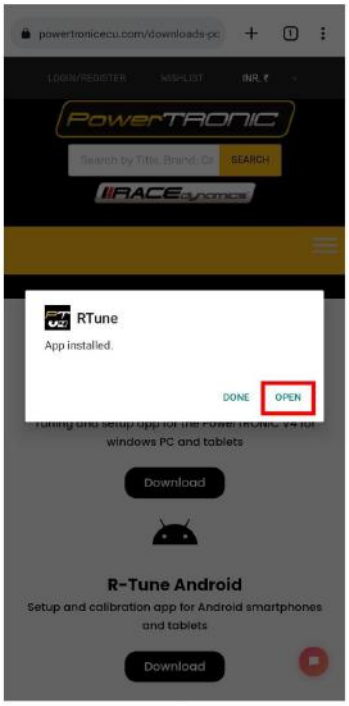
Step 5: Check the Allow apps from this source in the in coming screen.

Step 5.1: Then click on the back menu.

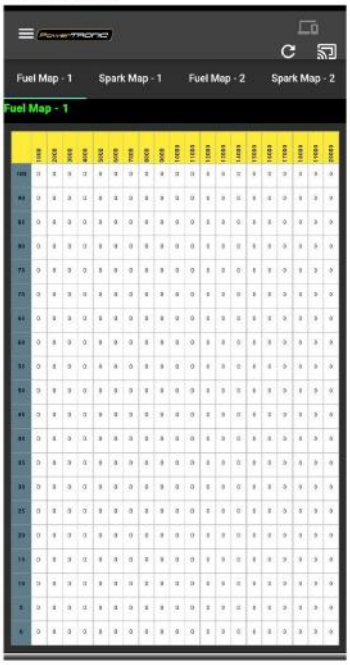
Step 6: Click on the Install button in the coming screen.



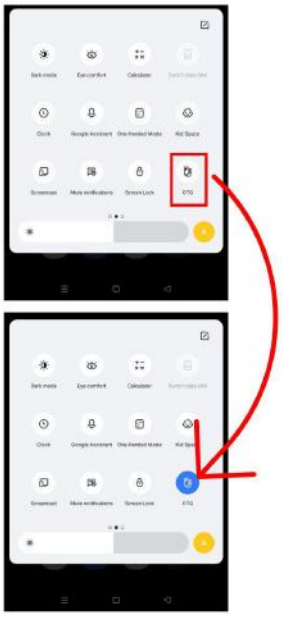
Step 7: R-Tune V4 app will be installed now and Click on Open.



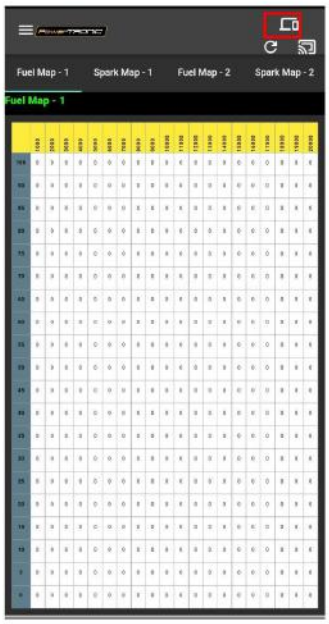
Step 8: R-Tune will be opened on the screen. Now connect the ECU to the phone using the cables provided within the kit.



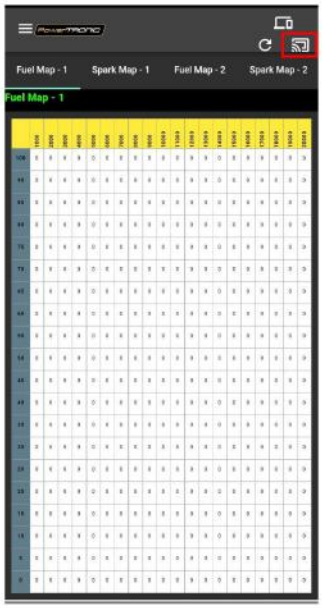
Step 9: Open the notification bar and select the OTG button. In some cases, the user has to search in the settings to see this function.



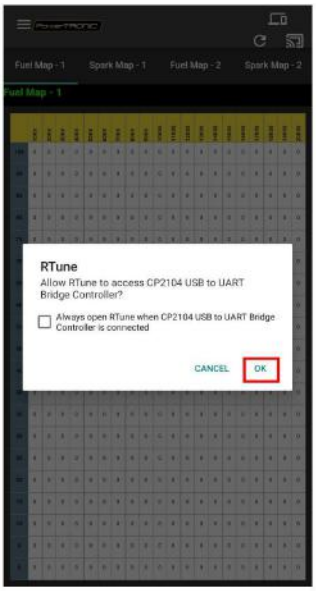
Step 10: Once you enable the OTG then you can see the device icon will be enabled.



Step 11: Click on the Connect button on the screen



Step 12: A pop-up message will appear, asking for the connection, click on OK



Step 13: R-Tune will be connected to the ECU now.