

Bluetooth Module



The **Bluetooth/UART** module is used for wireless communication to the Spitronics devices. It can be used with Hyperspace PC software on laptops or Android software for mobile phones. It is also used for third party Android dash application www.realdash.net Bluetooth is not as fast and direct as the USB cable so there is a setting that has to be made in the tuning software. It is however used with great results. However you need Android 5 or higher and we cannot guarantee that all phones may work with the software. MAC and IOS is not supported yet.

Note that for Hyperspace Android you will require an activation for each device through your dealer. The software is free and there is a demo map to view the software.

Windows Bluetooth setup

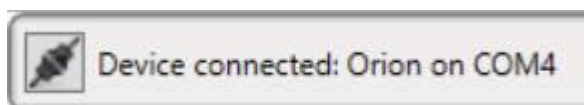
Connect the Bluetooth module to the device Comms connector. It will receive power from the device when it is switched on. The blue LED on the module will start flashing. This will indicate that the module has power and are ready for pairing.

Open windows Bluetooth manager of your laptop or mobile device, it can either be found in the taskbar bottom right, or by going to the control panel. (NB! Make sure your laptop or mobile does have Bluetooth capability)

Turn the Bluetooth on if not on and select the device, the module will read as "SPITRONICS". (it may read it as unknown device at first but give it a while or just pair with it anyway)

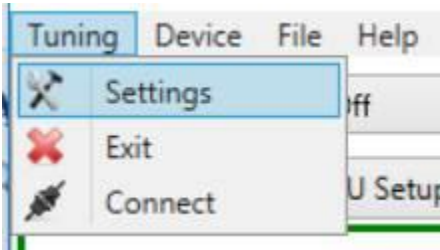
It will now ask you for a pairing code, this code will stand on the side of the module and is also the serial number of the module. (example BT0022) Every module has their own code. Ignore the BT and use the digital number. So the example's pairing code is 0022.

Now that the module is paired, open the Hyperspace software. See if the software detected the unit on the bottom left corner.



If not try closing the software and opening it again.

Now open the Tuning and Settings menu on top and go to Device settings.



You will see the software communication LED will flash green then red. This means it loses communication.

Now increase the Max Poll Error counter till it only flash green.



Press close and you are ready to tune.



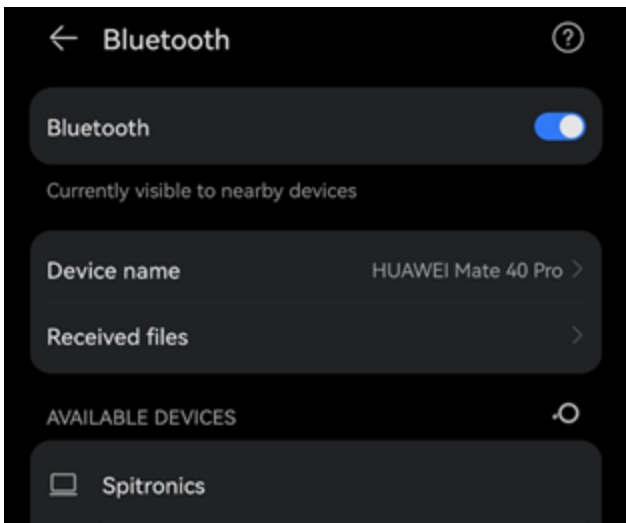
You only need to set this once. If you are using the USB cable again you may do the same process and make the value zero again. It will make for faster communication and error detection.

Pairing your Mobile Device

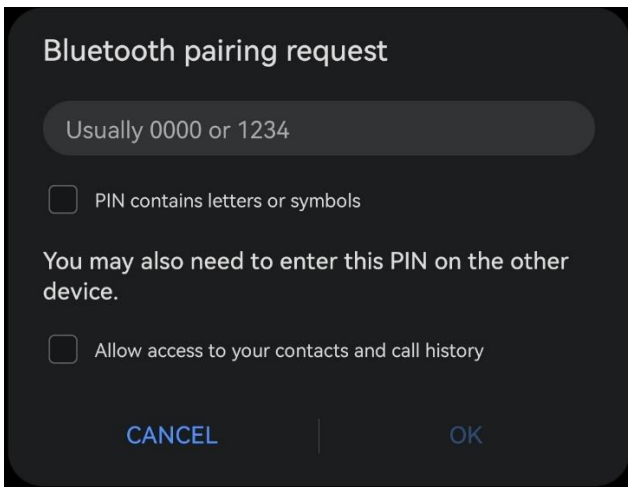
Make a note of your password and save it securely. You may remove the password to ensure that hackers cant get into your device.

Connect the Bluetooth module to a Spitronics device. The blue LED on the module will blink indicating that the module has power and ready to pair.

Go to Bluetooth settings on your phone and make sure Bluetooth is on. Spitronics should display under Available Devices.



Select the device and a pairing request will appear.



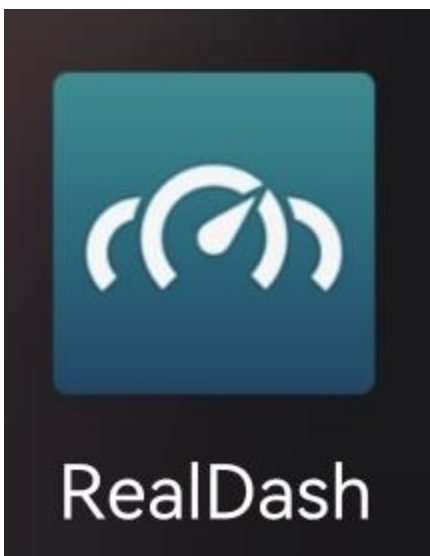
Put your Bluetooth Serial number in as the password. It is the 4 numbers on the label ex: 0000. Click OK.



If the password was accepted then the module is now paired and you can use Realdash or the Spitrionics Android tuning app.

As soon as you connect to the device through the app the Blue LED will stay on indicating that there is a connection.

Connecting to Realdash



Ensure you have done the pairing correctly.

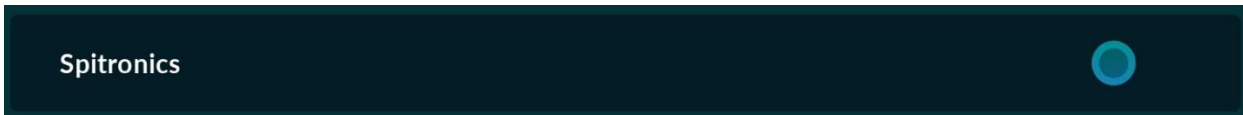
Open the Realdash app on the phone.

Go to the Garage tab. (Click on top middle of the screen if you don't get the setup screen)

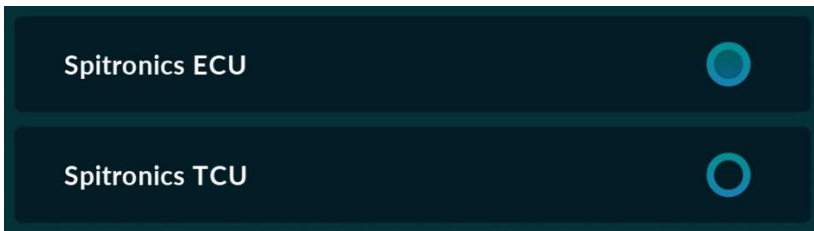


Click on the door of the car and then on the dashboard and a Connections screen will appear.

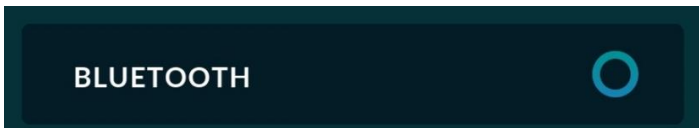
Click on Add and select Spitronics and then next.



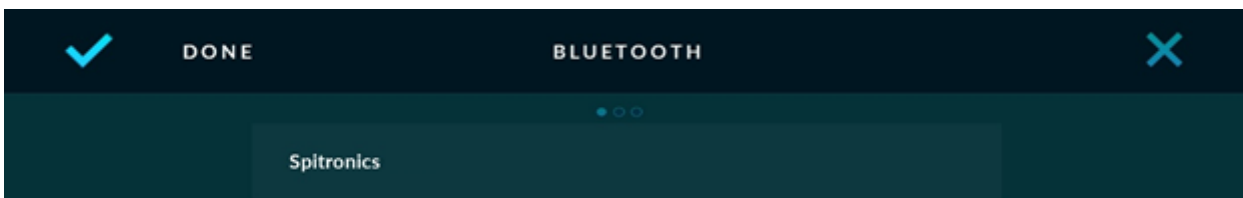
Select the device connected ECU or TCU and click next.



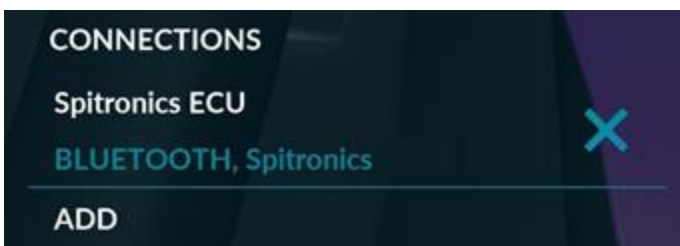
Select Bluetooth and Next.



Select the Spitronics in the list and click next.



There are a few settings you can change, then click Done.



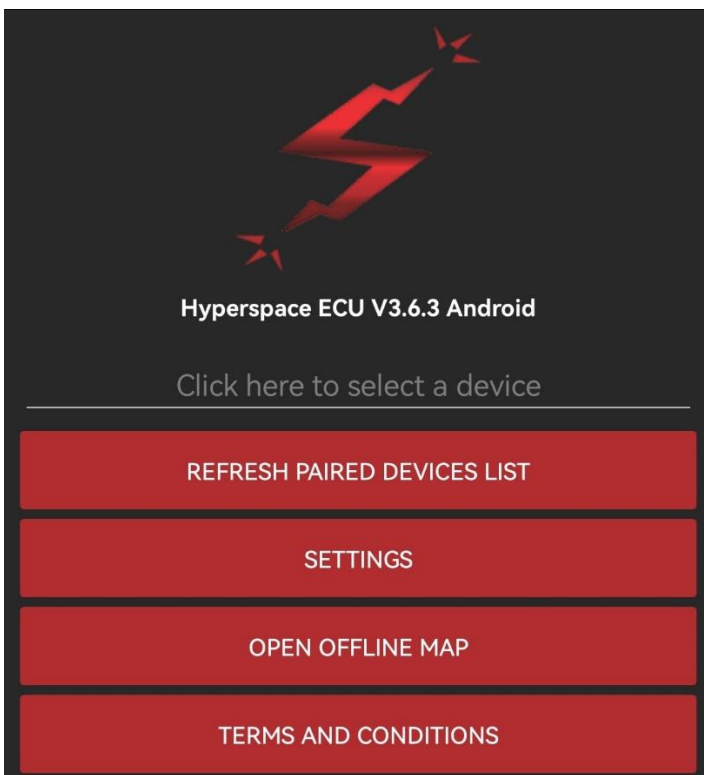
Setup is now done and connection is made. From here on just open the app and the data will display.

Connecting to Spitronics Android App



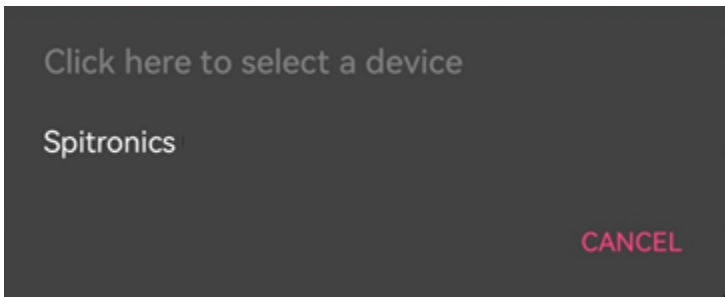
Ensure you have done the pairing correctly.

Open the Spitronics app on the phone.



Click on Refresh Paired Devices List and then on Click here to select a device.

Select the Spitronics device.



Select Connect. And the device will connect to the app.



If connection cannot be made click on Settings and make the Poll Error Count 3 or more till the connection is stable and the green LED pulse stable.