Spitronics - Bluetooth Module - Guide

1. Overview

The Bluetooth/UART module is used for wireless communication with Spitronics devices.

It can be used with:

- Cosmos or Hyperspace PC software
- Android tuning software
- Third-party applications such as www.RealDash.net

Bluetooth communication is slower than a USB cable, so additional settings are required in the tuning software.

👉 Despite this, it works reliably when configured correctly
⚠ Cosmos 1.1 or higher is required
⚠ Hyperspace 3.6 or higher is required
⚠ macOS and iOS are not supported
⚠ Android 5 or higher is required
⚠ Not all devices are guaranteed to be compatible

👉 Spitronics Android software requires activation per device through a dealer

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2. Hardware Setup

1. Connect the Bluetooth module to the device COMMS connector
2. Power the ECU/TCU
3. The blue LED will start flashing

👉 Flashing LED indicates the module is powered and ready for pairing

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3. Windows Bluetooth Pairing

1. Open the Bluetooth manager on your laptop
    - Taskbar (bottom right), or
    - Control Panel

👉 Ensure your device supports Bluetooth

2. Turn Bluetooth ON

3. Select the device (usually shown as **SPITRONICS**)

👉 It may appear as an unknown device initially

4. Enter the pairing code
    - Found on the module label
    - Same as the serial number (e.g. BT0022 → use **0022**)

⚠ Each module has a unique code

⚠ Do not lose this code — it cannot be recovered

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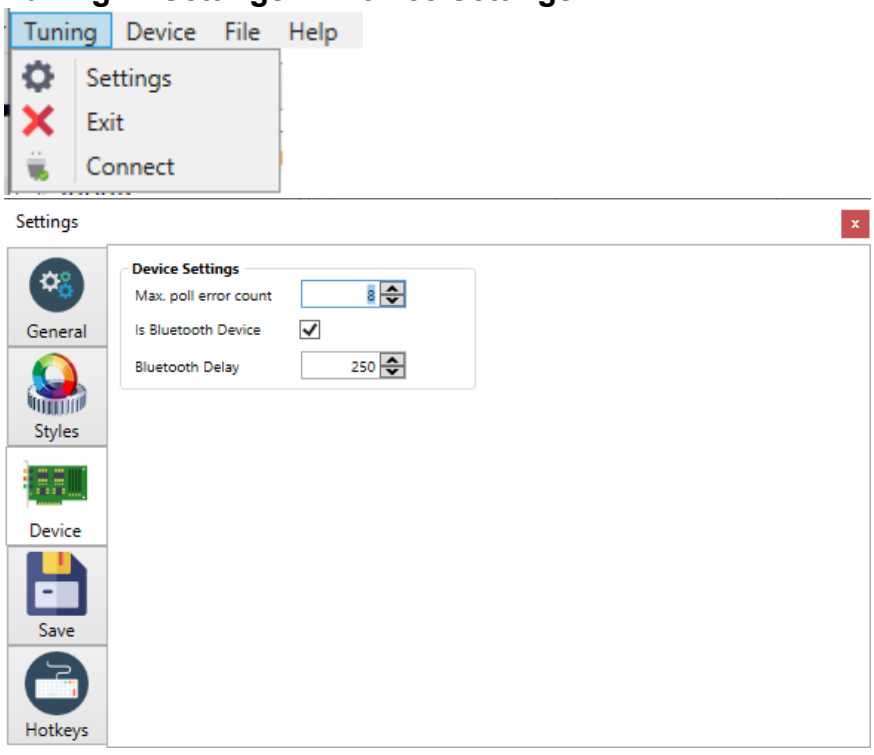
4. Software Connection Setup (Cosmos / Hyperspace)

1. Open the tuning software
2. Check if the device is detected (bottom bar)

👉 If not:

- Close and reopen the software

3. Go to:
   Tuning → Settings → Device Settings

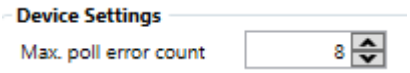


Communication Setup

- The communication LED will flash green and red (unstable)

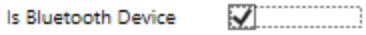
👉 Increase **Max Poll Error Count** until:

- The LED flashes green only



Bluetooth Selection

- Select **Bluetooth Device**



- Set a delay value

👉 Use the lowest stable value

Final Step

- Press **Close**

- System is ready

👉 This setup only needs to be done once

USB vs Bluetooth

If switching back to USB:

- Repeat the process
- Set delay back to zero

👉 This improves communication speed and error detection

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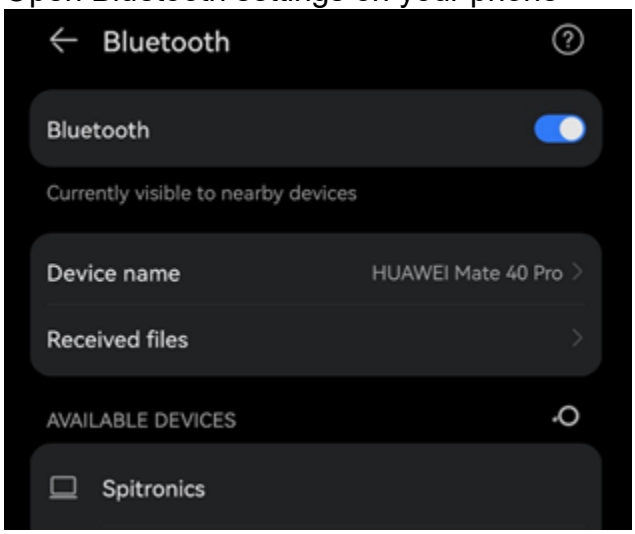
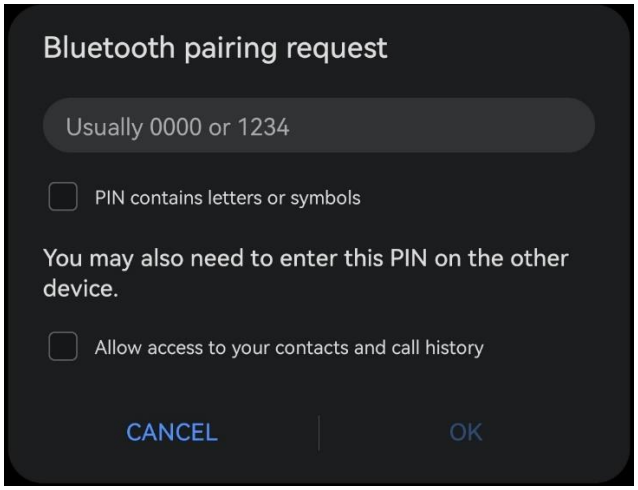
5. Mobile Device Pairing

1. Connect the module to the ECU/TCU
2. Ensure the blue LED is flashing
3. Open Bluetooth settings on your phone



4. Select **SPITRONICS** from available devices



5. Enter pairing code
    - Use the 4-digit number on the module BT0022

👉 Example: 0022

6. If successful:

- The module is paired

- The blue LED will stay on when connected

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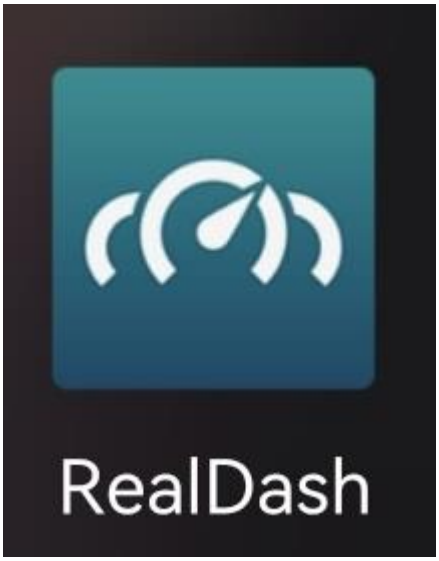
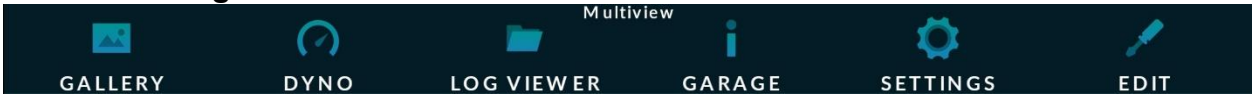
6. Connecting to RealDash.net



1. Ensure Bluetooth pairing is complete
2. Open the RealDash.net app
3. Go to **Garage**



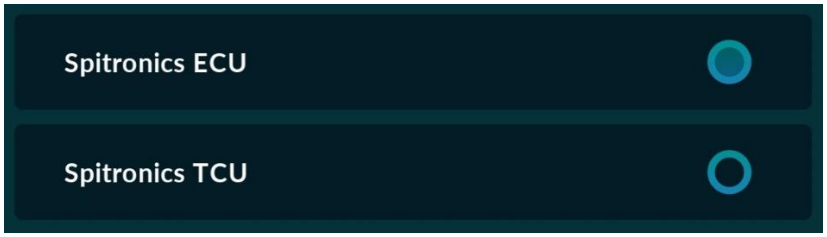
👉 Tap the top middle if setup screen does not appear

4. Select:

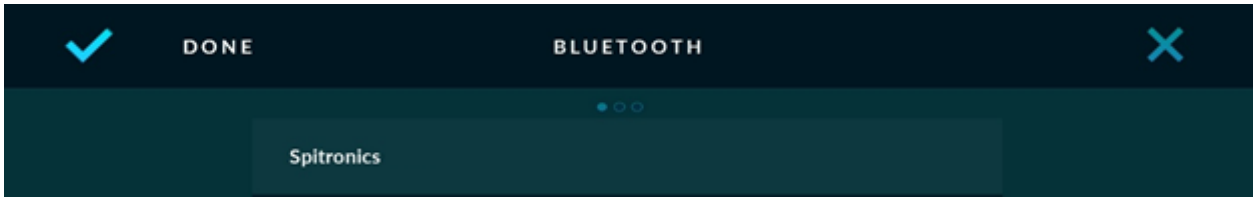
- Car → Dashboard → Connections

5. Click **Add**
6. Select **Spitronics** → Next

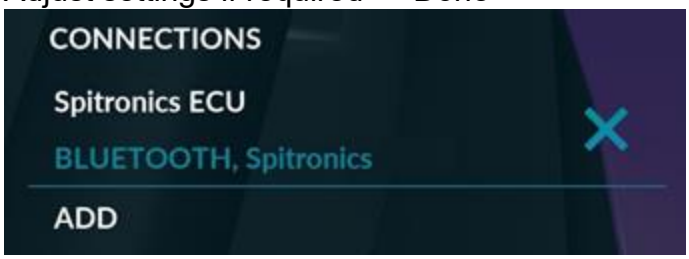
7. Select ECU/TCU → Next



8. Select **Bluetooth** → Next



9. Select device → Next
10. Adjust settings if required → Done



👉 Setup is complete

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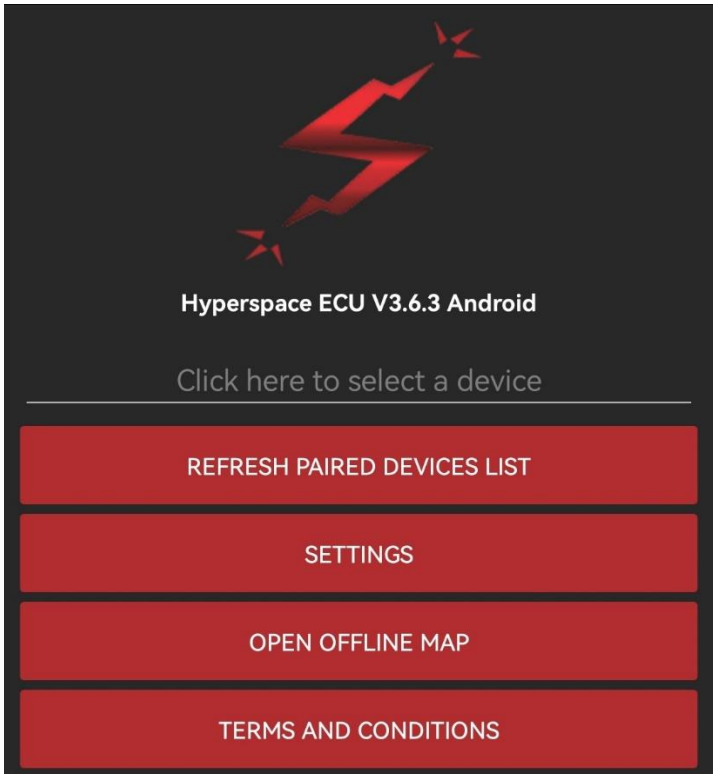
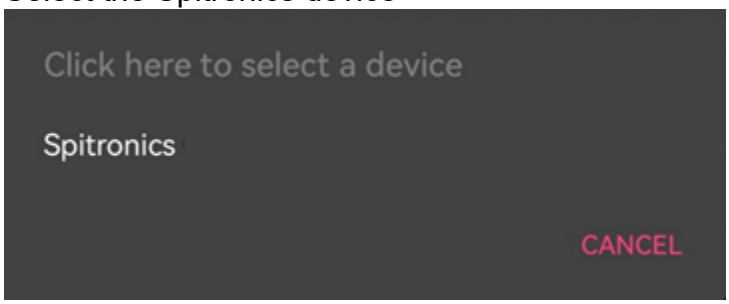
7. Connecting to Spitronics Android App

1. Ensure Bluetooth pairing is complete
2. Open the Spitronics app

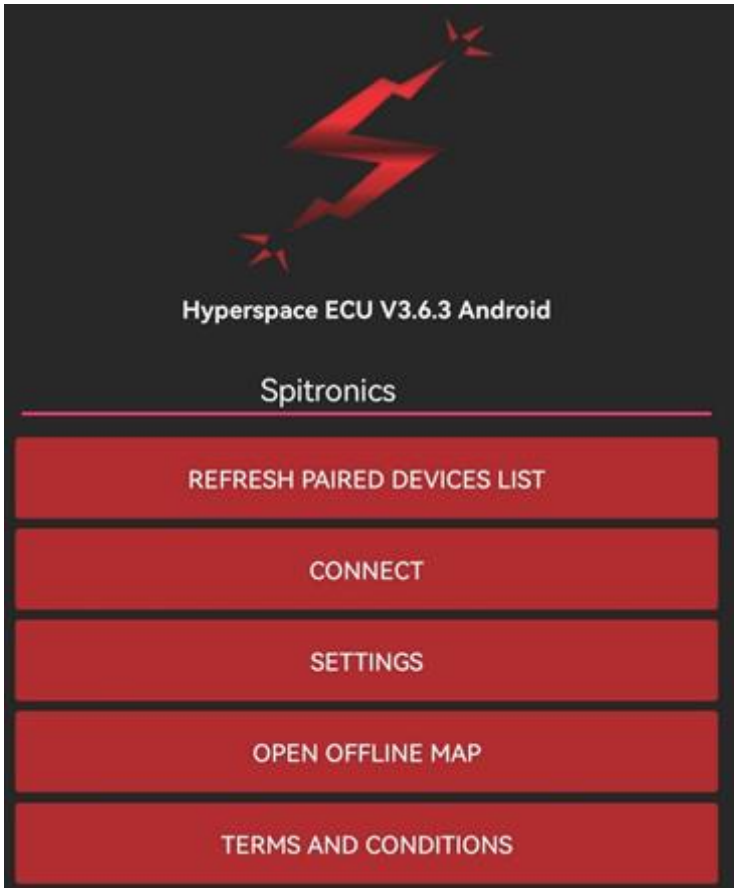


3. Click:
- **Refresh Paired Devices List**
- **Select Device**

4. Select the Spitronics device



5. Click **Connect**



If Connection Fails

- Go to **Settings**
- Increase **Poll Error Count** to 3 or higher

👉 Adjust until connection is stable (green LED stable)

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8. Important Notes

⚠ Bluetooth is slower than USB
⚠ Communication settings must be adjusted correctly
⚠ Not all Android devices are supported
⚠ Pairing code cannot be recovered

👉 Always test communication before tuning
