

Z1 ECUTEK TUNING (DIRECT TUNE DELIVERY) INSTALLATION MANUAL



PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Off-Road EcuTek Engine Tuning (Direct Tune Delivery), consult with a Professional Mechanic, or contact Z1 Off-Road for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Z1 by EcuTek Bluetooth connector

BEFORE YOU BEGIN:

A BATTERY CHARGER IS NEEDED WHEN FLASHING THE VEHICLE. FLASHING TAKES A BIT LONGER ON THE OFFROAD VEHICLES. IF THE BATTERY VOLTAGE DROPS TOO MUCH, THE ECU WILL BE BRICKED. IT IS IMPERATIVE THAT A BATTERY CHARGER IS CONNECTED TO THE BATTERY THROUGHOUT THE ENTIRE PROCESS.

PROCEDURE:

1. Install the ECU Connect app on your iOS or Android device. *Figure 1.*

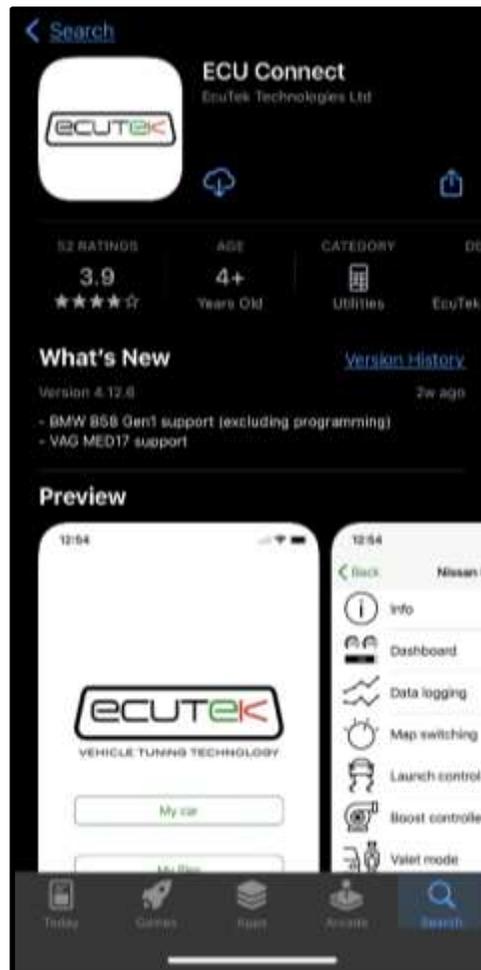


Figure 1

- Open the app. On its first use, you will need to select your tuner. Type in Z1 in the search bar, then select Z1 Motorsports. *Figure 2.*

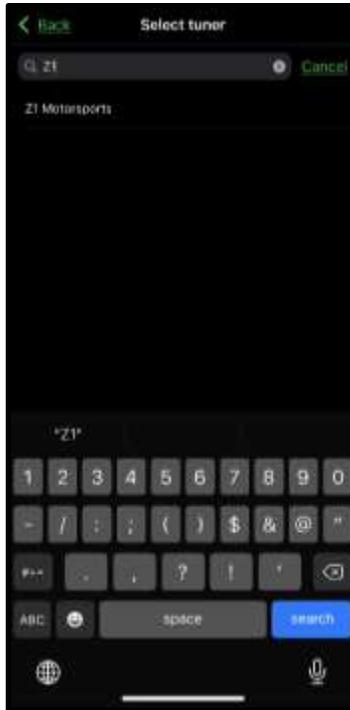


Figure 2

- Follow the prompts on screen to either create a new EcuTek Cloud Account or login to an existing one. *Figure 3.*

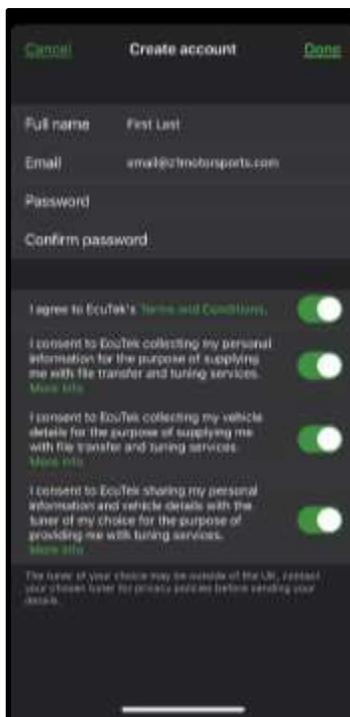


Figure 3

- Once complete, plug in your Z1 x EcuTek Bluetooth connector into your car's OBD2 port. Turn the ignition key to the **ON** position but DO NOT start the engine, for push button cars – press the start button without depressing the brake pedal. *Figure 4.*

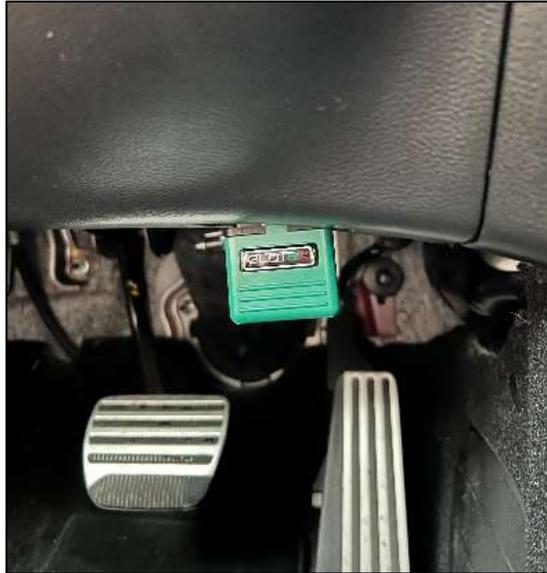


Figure 4

- Select **Continue** and follow the prompts on your device to go through the Bluetooth pairing process and setup a PIN.
- The setup process is now complete. Continue to the next section for retrieving vehicle information.

Retrieve your vehicle information and send to Z1:

1. Open the ECU Connect app. Ensure the Z1 x EcuTek Bluetooth connector is plugged into your vehicle and the ignition is turned to the **ON** position.
2. Check your email for the EcuTek Tune Code. *Figure 5.*

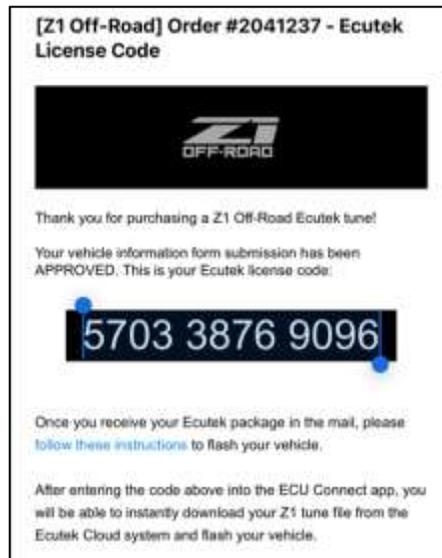


Figure 5

3. Open the **My car** section of the ECU Connect app and then select the **Program ECU** option. *Figure 6.*

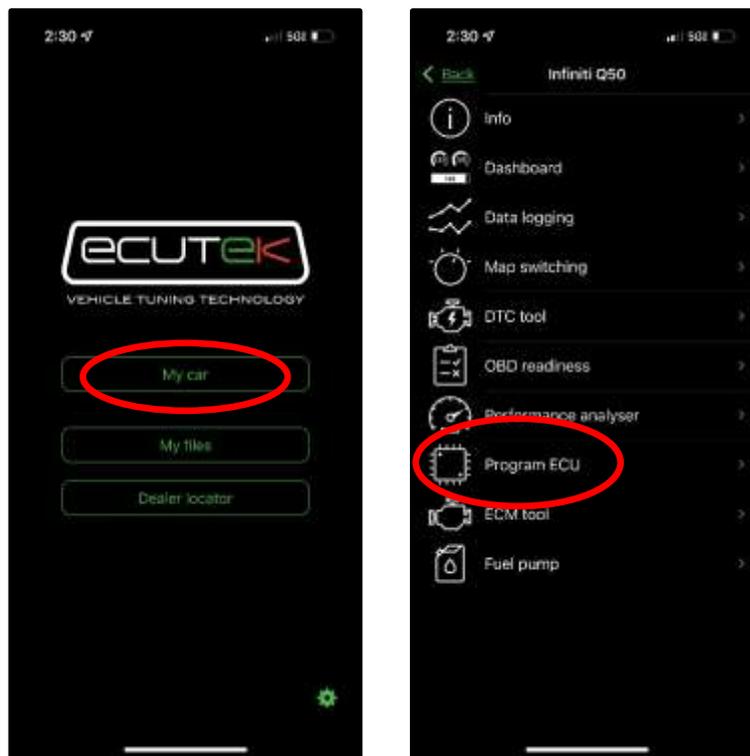


Figure 6

4. Select **Redeem Product Code**. *Figure 7.*

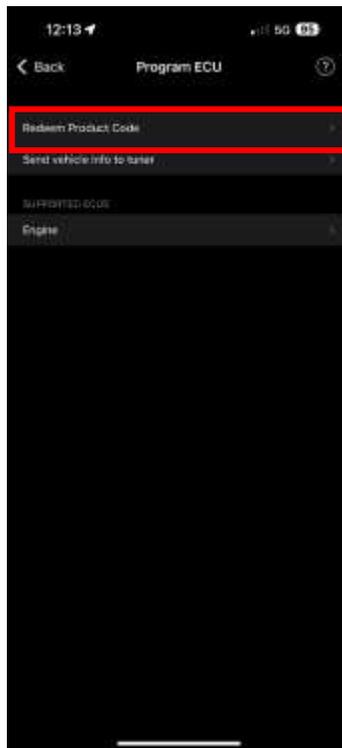


Figure 7

5. Select **Enter Manually**. *Figure 8.*

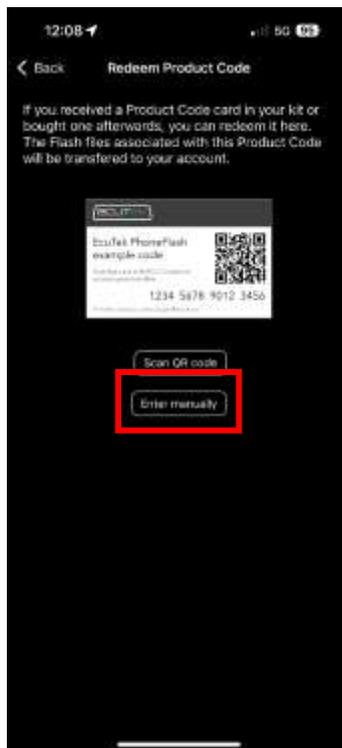


Figure 8

6. Enter in the Code you received in the email from *Step 2. Figure 9.*



Figure 9

7. Fill out your Vehicle Information. *Figure 10.*

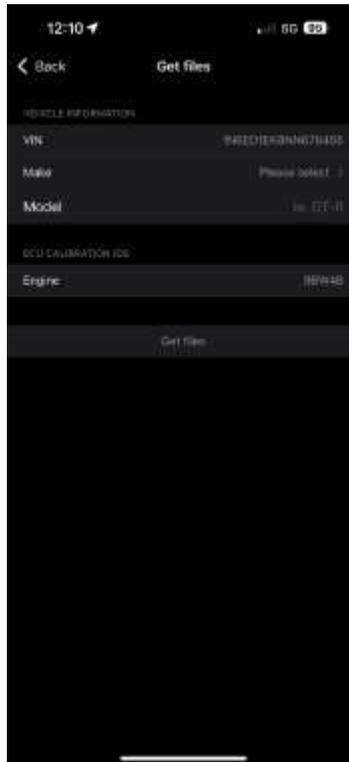


Figure 10

10. Once back on this screen, select **Program ECU** again. *Figure 13.*

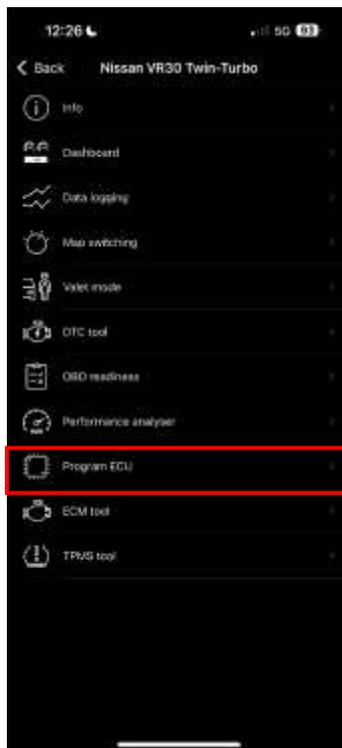


Figure 13

11. Click on **Engine** under the *SUPPORTED ECUS* section. *Figure 14.*

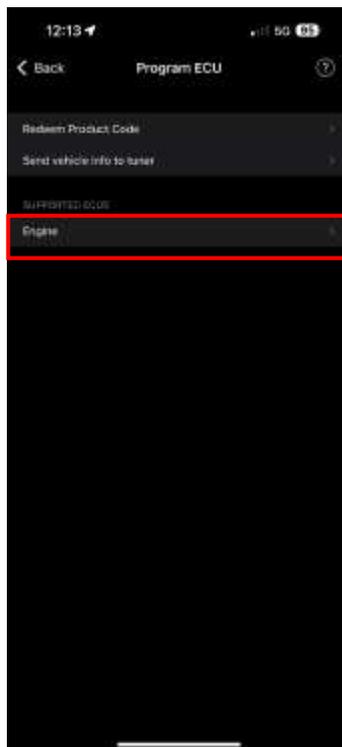


Figure 14

12. Withing the **Engine** tab, you will be able to select the tune you would like to flash onto the ECU. These will be stored in the EcuTek app and can be swapped at any time. Choose your desired tune then continue to *Step 13*.
13. Select **Program** and then **Start Test** to begin the communication test. This will take ~5 minutes to complete, then select **Continue**. *Figure 15*.

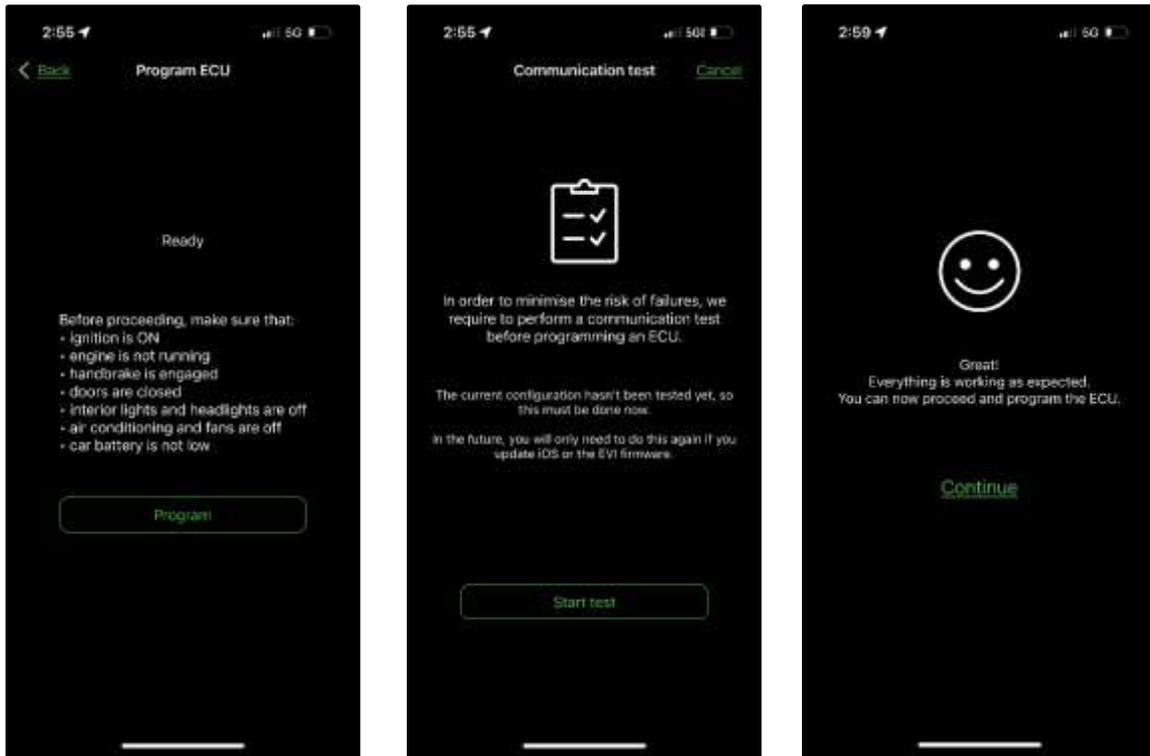


Figure 15

14. Now it is time to flash the ECU, select **Program** once again to begin the process. *Figure 16.*



Figure 16

15. When prompted, turn the ignition off. Wait a few seconds, and when prompted again, turn the ignition back on. **DO NOT** start the engine during this time, just turn the key to the **ON** position. For push button cars, ensure the brake pedal is not depressed when doing this. *Figure 17.*

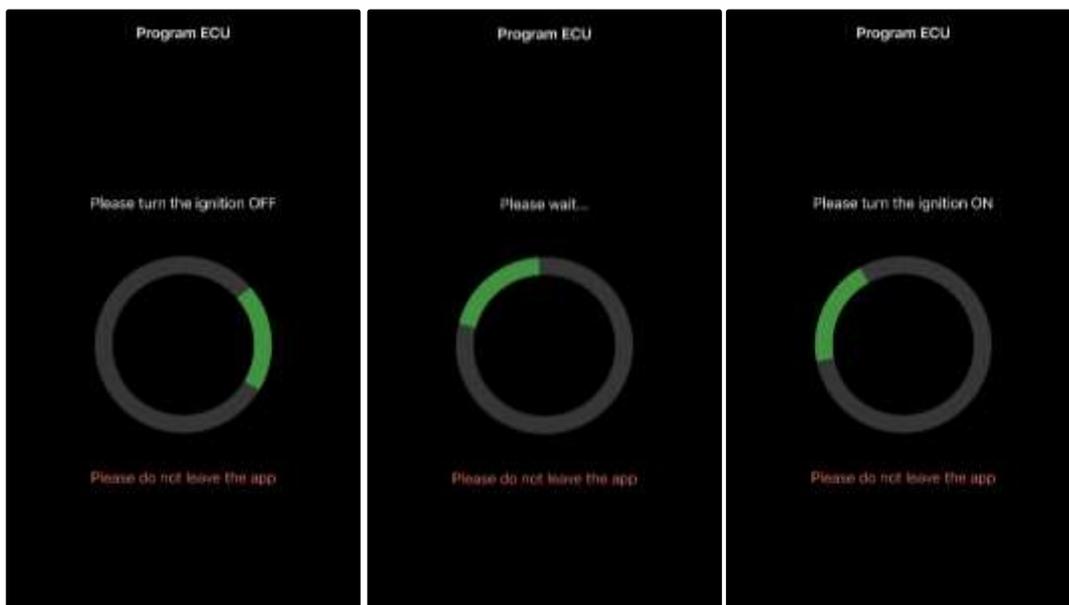


Figure 17

16. Once complete, you will be shown a **Programming Completed Successfully!** message. Select close, and you can now start your vehicle and take it for a test drive. *Figure 18.*

NOTE: Map switching with EcuTek will cause TCM codes, Limp Mode, and other error lights to pop up on the dash, this is normal. Clear the codes within the DTC Section of the EcuTek app after selecting the map you want to run to solve the issue.

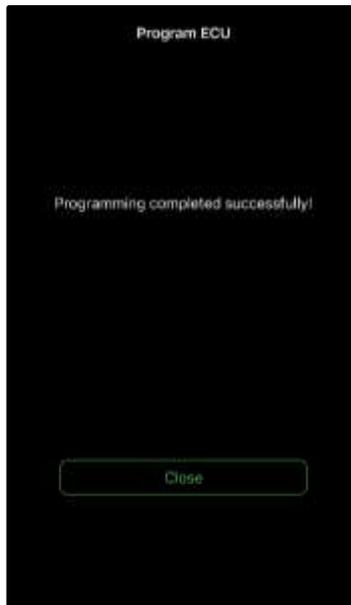


Figure 18

END

Additional Technical Support:
Contact Z1 Off-Road at info@z1offroad.com
Or call 678-839-8019 between 9am and 6pm ET