



VelocityAP Powergate 4 ECU Programming Tool Instructions

Connecting Powergate 4 to your iPhone/Android Device:

- Using an Apple iPhone or Android device, scan the QR code supplied with Powergate 4, download and install the Powergate app.
- Open the Powergate app and create your account.
- Plug the cable to Powergate 4 device, now connect the other end of cable to the vehicle's OBD port (on Aston Martin verify you are connected to the "Engine" and not the "Body" OBD port).
 - This process is wireless to your phone, connection will be through Bluetooth and Wi-Fi.
 - *It's recommended at this point to connect a battery charger to maintain above 11V. If battery voltage drops too low, the entire process will be corrupted.
- Turn on the ignition (do NOT start the engine)
- If not already done, open the Powergate app on your phone; Follow all the instructions to pair the phone to the Powergate 4 via Bluetooth and to your Wi-Fi network.
 - If you run into a Network connection error, the device cannot be on 2.4Ghz network while your phone is connected to 5Ghz or 6Ghz. In this situation, you will need to change the setting in your modem to split 2.4Ghz and 5Ghz, then connect the Powergate and your phone to the same network. Another easier option is to simply Hotspot your phone and connect the Powergate to your phone Hotspot. Please note on Apple, you will need to switch back to the Hotspot app screen while the Powergate is searching for the Wi-Fi network, if you do not perform this act, the phone Hotspot will not be discoverable.



Reading ECU Software:

- With the Powergate 4 now linked to your Powergate app, click on “START” to begin the vehicle selection. Once your vehicle selection is done, confirm at bottom of the screen.
 - Select your vehicle Brand / Fuel Type / Model / Engine. Please note that the app horsepower displayed numbers are not important, the same goes for the exact vehicle model. The main thing to focus on is the engine ECU, if it’s shared with another model through the brand, then you can make that vehicle model section. For example, the 2010 DBS is not listed but has the same engine ecu as the DB9, therefore selecting DB9 is perfectly fine. If you select the wrong model, the device simply will not read and fail, requiring you to find the correct option to select, no harm done..
- When on the screen displaying ID / Reading / Writing:
 - Select ID and follow the screen prompts along with all ignition ON/OFF requests. Again, do NOT start the engine EVER during this entire process. Once the ID is done, you will be brought back to the main screen.
 - Select Reading, same as the ID process, follow through all screen prompts and cycle ignition when requested. Once the reading is complete, the app will self-upload your file to our cloud server. If uploaded correctly, you will be informed the file is under “evaluation”.
 - Next screen will confirm Successful Operation, it will request permission to proceed. This permission is the final step that **“locks”** your Powergate 4 device to your **vehicle VIN and Engine Software Calibration Number**. To unlock this device, would require credits charged at a fee via the tool company. If you are ready to lock this vehicle to the device, simply agree to this message and we can commence the steps to getting your file tuned. If the software in this ecu was to ever change from what the Powergate 4 has read or written, a fee by the tool company will need to be charged to unlock and read the new file. Therefore, if you have any type of dealer updates to go through, make sure they are done **BEFORE LOCKING THE POWERGATE 4 TO YOUR VEHICLE.**



Submit Tuning File Request:

- Now that you have read the file from your vehicle and uploaded it to our cloud server. You need to fill out a file submission request, for us to know what needs to be done.
- Navigate to <https://www.velocityap.com/ecu-file-upload/>
- Enter all the file submission form details.
 - It's very important to input your VAP Order Number, if you purchased from another vender, please reach out to them to provide this number. Incorrect VAP Order Number, results in No File Returned!
 - **Make sure to select the appropriate tool "Powergate 4"**. If you do not select this option, then a file will be requested to attach.
 - **Special Requests:** this is the area where you can note things like disable the Start/Stop system, remove an upshift notification for manual vehicles, operate only on 91aki or 93aki..etc, add in Pops and Bangs, Disable DPF/ADBlue/EGR. These are generic examples and do not mean all apply to your vehicle. ***If you are unsure, you would need to contact us before submitting your file to be edited, if you ask a question through the file submission form, it will not be answered.***
 - **Modifications:** Please note, we do not know which modifications are done OR being done to your vehicle **(regardless of your order)**. You are requested to inform the tuner of all mods that need to be edited into the file. **Failure to mention modifications will result in your file NOT being adapted for those parts!!!**
 - Once all information is completed, click "Submit". Our file service returns are dependent on our load schedule. All files will be processed in the order received. Generally, our return of your file will be 1-2 business days. Be aware that when you submit the file request, you WILL receive an email confirmation. Please make sure to find this email and whitelist our email address. The file when completed will be posted to the cloud for automatic download by your Powergate 4, and the "File is Ready" notification email will be sent to you.



Writing the Tuning File:

- Open the Powergate app, make sure the same network is connected to both the phone and Powergate 4. If using a Hotspot, you might need to go through the network connection steps again.
 - Make sure the OBD plug is connected along with battery charger to maintain above 11V.
- If you are brought to a screen for ECU / DTC.
 - Select ECU.
- When at main screen displaying ID / Reading / Writing.
 - Select Writing.
- Agree to any screen prompts.
- Select the desired ECU tuning file.
- Agree to any screen prompts and cycle ignition when requested.
- Once the flash has completed, you will be brought back to the main screen displaying ID / Reading / Writing
 - Select Exit.
 - You can now unplug the OBD cable and close the Powergate app.
 - Done!

Please note these instructions are generic and might not follow exactly as explained, but it should get you through the entire process successfully. If at any step you require assistance, please do not hesitate to reach out to our tuning department: TUNING@VELOCITYAP.COM