

AccessPORT™

User Guide
Nissan GT-R
2008-2009
(All Models)

COBBTUNING.COM™

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Environmental Information

Product Introduction

Congratulations on the purchase of the new AccessPORT hand held programmer. The AccessPORT can:

- Reprogram the factory engine control unit (ECU) with improved tuning parameters through the on-board diagnostic (OBD-II) port
- Monitor vehicle sensor data using on-screen analog or digital gauges*
- Read and clear engine diagnostic trouble codes (DTCs)
- Measure 0-60 and ¼ mile times *
- Monitor current and average fuel economy*

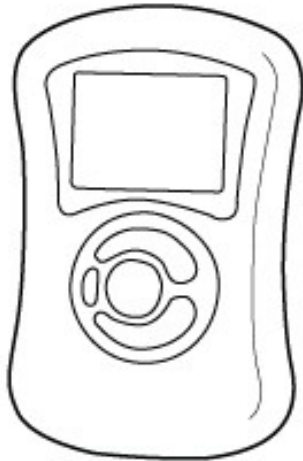
** Not available on all models at initial release.*

Supported Vehicle List

- 2008 Nissan JDM GT-R
- 2009 Nissan USDM GT-R
- 2009 Nissan EDM GT-R*

** Not all models will be supported at initial release.*

In-Box Contents



AccessPORT



AP Manager Software CD



OBD-II Connector



USB Cable

WARNING!

Installation and use of the AccessPORT may void all or a portion of the vehicle manufacturer's standard warranty. There is no guarantee expressed or implied by COBB Tuning or any of its affiliates for the use of the AccessPORT. The user accepts all risks and responsibilities when using the AccessPORT.

WARNING!

Use of the AccessPORT while operating a moving vehicle is strictly prohibited by law. COBB Tuning and its affiliates accept no responsibility for damages or injury caused by misuse of the AccessPORT.

WARNING!

The AccessPORT may not be able to function if the vehicle's wiring has been modified. If problems occur while using the AccessPORT, please verify that all wiring to and from the ECU is correct and functional.

What Is A Map?

The AccessPORT reprograms the tuning parameters inside the factory engine control unit (ECU) using map files, which contain specially written instructions for the AccessPORT to follow during the reprogramming process. A map file can contain information for any number of different modifications or enhancements to a vehicle, ranging from a race map for a heavily modified vehicle to an economy map for a stock vehicle. Through the use of the AccessPORT and different map files the ECU can be reprogrammed to accommodate virtually any vehicle configuration.

AccessPORT Installation

Pre-Installation

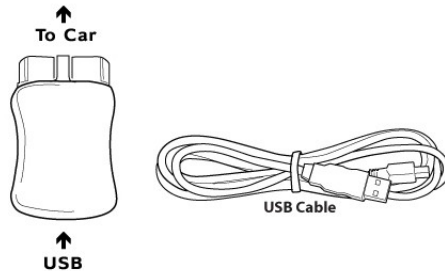
The AccessPORT comes with the most up-to-date software and map files available at the time of shipment. However, it is possible that updated software and/or map files have been made available since the time of shipment. Therefore, the recommended procedure is to connect the AccessPORT to the AP Manager software and download the latest software and map files for the target vehicle. Please see AP Manager Software Manual for more information.

IMPORTANT!

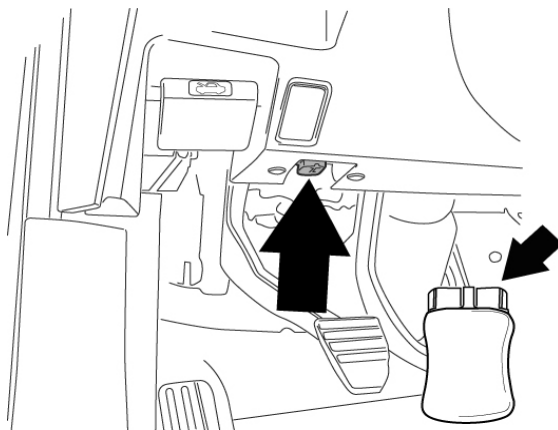
Before installing the AccessPORT on the vehicle, it is important to verify that the vehicle is adequately prepared for the installation process. Since the AccessPORT uses the vehicle's battery for power and the ECU reprogramming process requires adequate battery power as well, it is critical to verify that the vehicle's battery has a good charge. This can be done through the use of a battery charger/conditioner or by driving the vehicle for a period of time prior to installation to allow the alternator to recharge the battery. Furthermore, please ensure that all in-car electronic devices are turned off to reduce power draw on the battery. This includes car stereos, video screens, GPS units, radar detectors, interior and exterior vehicle lights, and any other electronic device that uses the car battery for power.

Getting Started

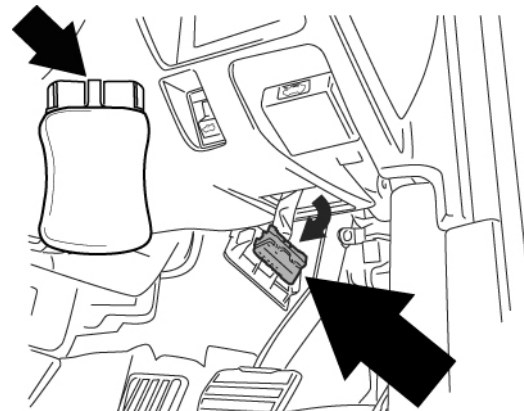
1. Insert the key into the vehicle's ignition and leave it in the OFF position.
2. Connect the small end of the provided USB cable to the mini-USB port on the back of the OBD connector.



3. Plug the OBD connector into the vehicle's OBD-II port. Note different location in diagrams below depending on vehicle model.



(USDM Left Hand Drive)



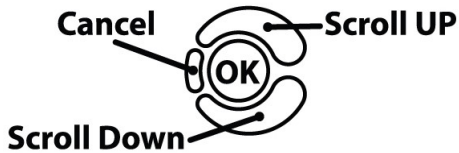
(JDM Right Hand Drive)

4. Plug the large end of the USB cable into the standard USB port on the underside of your AccessPORT. At this point the AccessPORT will power up and after a few moments present the installation menu.



5. Turn the vehicle on, but do not start the engine. This can be done by pressing the Start button twice with your foot **removed** from the break.
- 6.

7. Select **[Install]** from the AccessPORT menu by pressing the **[OK]** button to proceed with installation. Below is a diagram of the AccessPORT's keypad function.



Vehicle Identification

The AccessPORT will attempt to automatically determine the target vehicle for installation.

If the AccessPORT successfully identifies the vehicle:

Verify that the identified vehicle is correct and press **[OK]** to confirm.

If an error occurs:

Please follow the instructions indicated by the AccessPORT.

Map Selection

Once the AccessPORT determines the installation vehicle type, it will present a list of maps from which to choose for installation. The AccessPORT permanently reprograms the ECU with the calibration data from the map file selected for installation. It is important to select the map file that most closely matches the modification level of the target vehicle.

If you are unsure about which map applies to your modification level, please see the map notes and their requirements for the modifications that will best fit your vehicle.

Select a map and press **[OK]** to view detailed information about that map. After confirming that the selected map is correct, press **[OK]** again to proceed, or press **[CANCEL]** to return to the map selection list.

Save Stock ECU Program Data

The AccessPORT has the ability to save the stock ECU program data. However, it takes approximately 30 minutes to complete. Pressing CANCEL will skip the process of saving the stock data; pressing OK will proceed with saving the stock data. The stock data is used during the uninstall process to return to stock. If the stock data is not saved, stock data supplied with the AccessPORT will be used when the AccessPORT is uninstalled. There is no disadvantage to skipping this step and using the stock data supplied with the AccessPORT.

WARNING!

If a previous installation of an AccessPORT is detected, you will be given the option to overwrite it with a new installation. Be aware that the previous installation will be permanently lost and unrecoverable. This detection may occur prior to saving the stock ECU program data, in which case the ECU program data will not be saved. In the case of a previous install, a stock ECU program supplied on the AccessPORT will be used when you uninstall.

Install AccessPORT Programming

After the AccessPORT downloads and saves the stock ECU program data, it will proceed with installation to the vehicle. It is at this point that the AccessPORT reprograms the vehicle's ECU with the new program data and calibration parameters from the selected map file. This process will take 9-10 minutes to complete.

WARNING!

Do not disturb the AccessPORT, the USB cable, or the OBD connector while installation is taking place. Failure to do so may result in incomplete ECU reprogramming which will render the vehicle inoperable.

Installation Complete

The AccessPORT is now fully installed and ready for use. Turn the key to the OFF position and unplug the OBD connector from the vehicle.

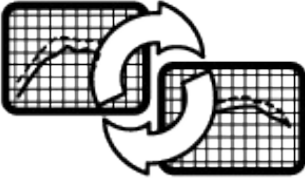
The vehicle's ECU is now programmed with new calibration data. The AccessPORT does not need to be plugged into the vehicle for the calibration to be in effect, however, there are other features of the device that may be used at any time.

Please note that the AccessPORT is designed to work with only one vehicle at a time. **Once the AccessPORT is installed, it cannot be used with another vehicle until it is uninstalled from the original vehicle.**

AccessPORT Features & Functionality

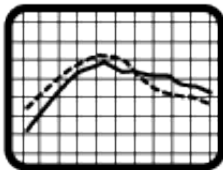
Map Changing

The AccessPORT has the capability to change the programming on the ECU with different calibration maps at any point once it is installed. To change to a different calibration map, use the following directions:



1. Select “Change Map” from the AccessPORT menu to display the map list. Please note that the AccessPORT can only hold 20 maps, and you will be instructed to use AP Manager to remove maps if necessary.
2. From the list, choose the new map for the AccessPORT to program to the ECU.
3. With the new map selected, the AccessPORT will display additional information about the map. To confirm this selection, press the [OK] button. Pressing [CANCEL] will return you to the Map List.
4. At this point the AccessPORT will program the ECU with the new calibration data. Wait for this process to complete.
5. When the upload is complete, the AccessPORT will display a completion message indicating that the map was successfully changed. Follow on-screen prompts to complete the change map operation.

Show Current Map



The AccessPORT can display the last map it applied during the reflashed. To see the last map, select “Show Current Map” from the AccessPORT main menu.

Live Data Display

The AccessPORT can read sensor data from the factory ECU and display it as an on-screen gauge. This feature allows the AccessPORT to function as an auxiliary gauge displaying boost, RPM, temperature, or any number of other parameters.



To utilize the live gauge display, select “Live Gauge” from the main menu. From there, use the following options:

<p>Display live gauge data</p>	<p>The AccessPORT will automatically display the default gauge and communicate with the vehicle to read live data. NOTE: The AccessPORT is only capable of reading live data from the vehicle while the ignition is turned to the “ON” position. The AccessPORT will display an error message if it cannot communicate with the vehicle.</p>
<p>Change to a different gauge</p>	<p>Press the up/down buttons on the AccessPORT while in the live gauge display.</p>

Performance Data Display (Not available on all modes)

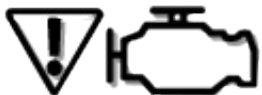


The AccessPORT can calculate the 0-60 MPH time and 1/4 mile results.

To use this feature, select “Perf. Data” from the main menu.

WARNING!

The AccessPORT is not designed to be used by a driver while the vehicle is in motion. All AccessPORT functions should be performed by a passenger while the vehicle is in motion. Under no circumstances should the driver exceed posted speed limits or disobey traffic laws while using the AccessPORT. COBB Tuning and its affiliates assume no responsibility for damages caused by improper use of the AccessPORT.

View And Clear Check Engine Lights

The AccessPORT has the ability to view and clear check engine lights (CELs). Additionally, the AccessPORT can display detailed information about a certain CEL. To utilize the check engine light functions, select “Check Engine Lights” from the main menu. From there, use the following options:

Display CELs	Use this option to have the AccessPORT read all current CELs from the vehicle (if any). When prompted, turn the ignition to the “ON” position. The AccessPORT will communicate with the vehicle and display the CEL results in a list. Codes displayed in the list can be highlighted to show a short description of the code.
Display CEL details	Inside the CEL display list, highlight a code using UP/DOWN buttons and use the OK button to see available detailed information about it (when available). From the CEL detail display, press Cancel to return to the CEL display list.
To clear all CELs ...	Active CEL codes can be cleared by selecting “Reset ECU” from the “Trouble Shooting” main menu item.

When using this option the AccessPORT will show the CELs from multiple modules. When the CELs are presented to the user there will be a header that indicates which module the CELs came from.

If the CEL light is not illuminated on the dashboard then the CELs that the AccessPORT shows are all PAST CELs. This means that the individual module recorded something that was out of normal operating parameters. This does not indicate that there is something wrong with the car.

About AccessPORT



Displays information about the AccessPORT software, serial number, and vendor.

Uninstall the AccessPORT from Vehicle



The AccessPORT has the ability to remove its programming from the vehicle on which it is installed and return the ECU back to a stock state. To remove the AccessPORT from the vehicle and return it to a stock state, select “Uninstall” from the main menu.

AccessPORT Troubleshooting

<i>Symptom</i>	<i>Troubleshooting Steps</i>
AccessPORT will not communicate with vehicle.	<ol style="list-style-type: none"> 1. Check USB cable connection on both the AccessPORT and the OBD connector. 2. Ensure that the OBD connector is making good contact inside the vehicle's OBD port. 3. Verify that the vehicle's ignition is turned to the "ON" position.
AccessPORT cannot reflash ECU.	<ol style="list-style-type: none"> 1. Follow all steps for "AccessPORT will not communicate with vehicle." 2. Verify that all steps required for ECU reprogramming mode were properly followed.
AccessPORT cannot identify vehicle during installation.	<ol style="list-style-type: none"> 1. Ensure that the AccessPORT is running the most recent version of firmware. For more information, see COBB Forums. 2. If the AccessPORT is up to date and still cannot identify the vehicle, please contact tech support.

Support Contact Information

Web	http://www.cobbtuning.com/ http://www.cobbforums.com/
E-Mail	support@cobbtuning.com
Phone	801.713.0035

Environmental Information

Operating and Storage Temperatures

The AccessPORT is designed to be operated at temperatures between 32° and 95° F (0° and 35° C) and with a relative humidity below 90%. Using the AccessPORT outside of these recommendations may result in damage.

When storing the AccessPORT, do so in a place where temperature is always between 0° and 115° F (-20° and 45° C) and with a relative humidity below 90%.

Never store your AccessPORT in an area that receives direct sunlight.

Do Not Get Wet

Take care to prevent any liquids from coming in contact with the AccessPORT or any associated equipment.

In the event your AccessPORT, or associated equipment, gets wet you may need to send it in for service. Please contact technical support BEFORE attempting to use the AccessPORT.

Handling and Storage

Your AccessPORT may be damaged by improper storage or handling. Be careful not to drop your AccessPORT or any associated parts.

Never store your AccessPORT in an area that experiences any noticeable levels of vibration, static electricity, heat shock, or excessive swings in relative humidity.

Do Not Attempt Repairs Yourself

Never attempt to open your AccessPORT or any associated equipment. Doing so puts the components at risk of damage from, but not limited to, static shock. No user-serviceable parts are inside. At no time will ANY authorized representative of COBB Tuning, Inc. ask you to open or mechanically/electronically alter the AccessPORT.

Opening the AccessPORT will void any and all warranties for the device and its operation.