ALLDATA Diagnostics
ALLDATA Diagnostics delivers next-generation technology that turns a tablet (Android or Windows 10) into a powerful, professional scan tool - an industry first. And it’s the only scan tool solution with ALLDATA Repair or ALLDATA Collision built in. Technicians can retrieve and clear manufacturer P, B, C, and U codes – the brunt of day-in, day-out diagnostics. The scan tool also reads and displays PIDs, providing live sensor data from all modules/vehicle systems, and offers bi-directional component control. ALLDATA Diagnostics offers full-system pre- and post-DTC scan reporting with PDF exports, for detailed, accurate estimates, and OEM-compliant repair plans. Includes coverage for domestic, European, and Asian vehicles.

Instead of housing the scan tool software in a bulky, hand-held unit, ALLDATA Diagnostics has a VCI (Vehicle Connection Interface) device that attaches to the vehicle’s OBDII connector. It links instantly via Bluetooth to your tablet, giving you the flexibility to perform scan tool functions directly on the tablet.

Software and data updates are included in the subscription, at no additional cost.

This user’s guide is designed to show you how to install the App and pair the VCI (Vehicle Connection Interface) device to your tablet. Everything you need to start is included in this guide. It is important that you read and follow the included instructions to achieve the best results.
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REQUIREMENTS

Hardware
Vehicle Connection Interface (VCI)

Software
ALLDATA Diagnostics

Internet Connection
High-speed /broadband such as cable DSL or satellite

Tablet

Android
• Screen Size: 7 inches or larger
• Memory (ROM): 8GB or more
• Connectivity: Bluetooth
• Camera: Autofocus
• Operating System: Android 5.0 or later

Windows
• Screen Size: 7 inches or larger
• Memory (RAM): 2GB or more
• Connectivity: Bluetooth
• Camera: Autofocus
• Operating System: Windows 10

NOTE: Low-cost tablets that lack basic services, or include parts based on older technology, will not reliably meet the requirements. If you cannot access ALLDATA Mobile in the app store through a low-cost tablet, it probably means that tablet does not have basic features, such as GPS tracking or Bluetooth using current technology standards.
Download and install the ALLDATA Mobile app

Follow the instructions below to install the ALLDATA Mobile app to your Android mobile device.

First, ensure you have an internet connection on your tablet. Then, from the home screen of your tablet, locate and tap the Play Store icon. If it is not on the home screen tap the Apps icon in the bottom-right. Swipe right or left until you find the icon and tap it.

When the Play Store opens, tap in the search field and enter ALLDATA. Some suggestions will pop up below the search box as you type, which you can tap to go directly to the app page.

You will see two choices of ALLDATA apps. They are: ALLDATA Mobile and ALLDATA. Tap the ALLDATA icon shown here.

Tap the Install button to start downloading. When they appear, carefully read the Terms and Conditions and tap Accept to continue with the installation.

When the installation is complete, the app will be accessible by tapping the ALLDATA icon which has been placed on your home screen. You can also find it by tapping the apps icon in the bottom-right of your home screen, and swiping left and right to locate the app as described before.
Pairing to a tablet

Follow the instructions below to pair your tablet to the VCI (Vehicle Connection Interface).

To begin, locate the vehicle’s OBDII port. It is typically located in the driver’s area, within reach of the driver’s seat (i.e., under the steering column or dash). Plug in the VCI to the vehicle’s OBDII port and allow the unit to boot up. The five lights will begin to blink on and off during this process. Wait until the Power (red), and Ready (blue) lights are solid and no other lights are illuminated.

Swipe from the edge of your screen across the system status bar. Press and hold the Bluetooth icon until the settings menu opens. You will see a list of devices you can connect to. Locate the ALLDATA-OBD option and tap it.

The orange Connected icon on the VCI will illuminate. When prompted by your tablet, enter the PIN 1234 and then select Pair. Your devices are now paired.
Download and install the ALLDATA Mobile app

Follow the instructions below to install the ALLDATA Mobile app to your Windows mobile device.

First, ensure you have an internet connection on your tablet. Then, from the home screen of your tablet, open the Programs menu. Tap the Windows “Store” icon.

When the Windows Store opens, tap in the search field and enter ALLDATA. Some suggestions will pop up below the search box as you type, which you can tap to go directly to the app page.

You will see two choices of ALLDATA apps. They are: ALLDATA Mobile and ALLDATA. Tap the ALLDATA icon shown here.

Tap the Install button to start downloading. When they appear, carefully read the Terms and Conditions and tap Accept to continue with the installation.

When the installation is complete, the app will be accessible by tapping the ALLDATA icon which has been placed on your home screen.
To begin, locate the vehicle’s OBDII port. It is typically located in the driver’s area, within reach of the driver’s seat (i.e., under the steering column or dash). Plug in the VCI (Vehicle Connection Interface) to the vehicle’s OBDII port and allow the unit to boot up. The five lights will begin to blink on and off during this process. Wait until the Power (red), and Ready (blue) lights are solid and no other lights are illuminated.

Swipe across your screen from the right edge to open the Action Center. Tap the “All Settings” icon. When the settings page opens tap Devices.

Next, select the Bluetooth tab. You will see a list of devices you can connect to. Locate the ALLDATA-OBD option, select it then tap “Pair”.

Tap “Yes” to allow the VCI to connect to your tablet.

The orange Connected icon on the VCI will illuminate. When prompted by your tablet, enter the Passcode 1234 and then select Next. The status of the ALLDATA-OBD device will change to “Paired”.

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**SETUP**

**WINDOWS**

**Connect VCI to OBD II Port**

**Swipe across your screen from the right edge to open the Action Center. Tap the “All Settings” icon. When the settings page opens tap Devices.**

**Next, select the Bluetooth tab. You will see a list of devices you can connect to. Locate the ALLDATA-OBD option, select it then tap “Pair”.**

**Tap “Yes” to allow the VCI to connect to your tablet.**

**The orange Connected icon on the VCI will illuminate. When prompted by your tablet, enter the Passcode 1234 and then select Next. The status of the ALLDATA-OBD device will change to “Paired”.**
ADJUSTING SETTINGS

Use the Settings page to optimize the connection process, set emailing preferences, and select appearance, Quick Scan and Offline Mode options. Tap the Settings icon to go to the Settings page.

Tap the SETTINGS icon

Use the dropdown menu to select the default device ALLDATA Diagnostics will connect to, whenever Quick Scan is used. Tap the gray toggle switch to enable this selection.

OBD II Device Management

Enter a default email address, where Scan Reports will be sent after they have been exported. Tap the gray toggle switch to enable this selection.

Scan the QR Code on the left to access the Settings page.
ADJUSTING SETTINGS

Select between SAE and Metric units which will be shown on the PIDs screen. Tap the desired radio button.

Tap the first gray toggle switch to select Enhanced Powertrain as the default system to connect to when using Quick Scan. If you do not choose to enable this option, you will be asked to select a system each time you connect. Tap the second gray toggle switch to be prompted for Enhanced DTC options each time you scan Enhanced Powertrain.

To use ALLDATA Diagnostics in “Offline” mode, select this switch which will allow you to use all of the diagnostic functions without being connected to the internet. When in this mode you will not have access to ALLDATA Repair information. To access that information, return to this screen and turn Drive Test mode off, once your reconnected to the internet.
CONNECTING THE VCI

Status Indicators

**Power** – Indicates the VCI (Vehicle Connection Interface) is connected to a power supply

**Ready** – Indicates the VCI has completed the booting process and is ready to use

**Vehicle data** – Indicates data is being communicated from the vehicle to the VCI

**Connected** – Indicates that the VCI is paired (connected) to a mobile device

**Error** – Indicate when there is a system error

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To power up ALLDATA Diagnostics:

1. Plug the device into the OBDII Port.
2. During the boot process, all five light indicators will illuminate.
3. After initial boot, only the Power and Vehicle Data indicators will illuminate.
4. When only Power and Ready indicators are illuminated, the device is ready for use.

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Connecting the VCI

Plug in the VCI (Vehicle Connection Interface) to the vehicle’s OBDII port and allow the unit to boot up. The five lights will begin to blink on and off during this process. Wait until the Power (red), and Ready (blue) lights are solid and no other lights are illuminated. You are now connected to the vehicle.
Connect the VCI as described above (page 11). To start data transfer to ALLDATA Diagnostics, turn the vehicle key to the On position or start the engine. (Some vehicles require the engine to be running to connect.) Go to the ALLDATA mobile app’s Home screen. There are two options for connecting to a vehicle. The following steps will cover scanning a vehicle with “Manually Select Options” options OFF.

Depending on your selections in Settings and the vehicle you are connecting to, you may be prompted to provide additional information or make additional selections during the connection process.

If you did not choose a default device in Settings, use this screen to select it. Look for the ALLDATA-OBD option and tap it.

The selection at right is displayed when selecting Enhanced Powertrain and can be turned on or off in Settings under Quick Scan Options.
CONNECTING TO A VEHICLE

Vehicle Connection SCAN VEHICLE (Manually Select Options ON)

Connect the VCI as described above (page 11). To start data transfer to ALLDATA Diagnostics, turn the vehicle key to the On position or start the engine. (Some vehicles require the engine to be running to connect.) Go to the ALLDATA mobile app’s Home screen. There are two options for connecting to a vehicle. The following steps will cover scanning a vehicle with “Manually Select Options When Scanning” is turned ON.

If you did not choose a default device in Settings, use this screen to select it. Look for the ALLDATA-OBD option and tap it. (If you do not see this option tap the Find Devices button.)
When the device is selected, the Connected (orange) light on the VCI will illuminate and the Select Make of Vehicle screen will appear. Choose the appropriate Make.

The next page is where you will select the vehicle. Tap Get VIN. Vehicles that do not provide VIN data will require you to use your device’s camera to scan the vehicle’s VIN bar code or manually enter the VIN. Once the VIN is displayed, verify all of the vehicle information is correct and tap Next.
Select the vehicle system you want to scan and tap Next.

This page will be different for each vehicle, based on the systems that are installed and what information the manufacturer provides.

Selecting “Generic Powertrain” will only display emissions related P-Codes.

If you did not select “Enhanced Powertrain” as the default system in Settings, you will be prompted to make a selection on this page when using “Quick Scan”.

Select your scan options and tap Start Scanning Vehicle. The Vehicle Data (green) light will illuminate and blink when data is being transferred between the vehicle and the VCI.

You are now connected to the vehicle and ready to start viewing vehicle data.
Selecting the DTC’s icon will display all detected DTC codes. When viewing Diagnostic Trouble Codes, you can view Live data as well as review any previous scans. Both active (Mode 1) and pending (Mode 7) data will be displayed. Active codes are listed first and shown in blue. Pending codes are shown below the active codes in grey. If any freeze frame (Mode 2) data has been captured it will be denoted on the code line with FF. From this page, you can also clear any active codes by tapping the Clear button. The export button will save the DTC report to your device’s local storage.
VIEWING DIAGNOSTIC TROUBLE CODES

Tapping the code line will open a page where you can view any available freeze frame data, as well as provide a link to any ALLDATA Repair articles for diagnosing, troubleshooting or correcting the associated code. You can scroll through the codes using the < and > arrows at the bottom of the page.

Tap “Scan History” to review any previous scan data. The date and time of the scan are shown as well as the codes that were detected at that time. Tapping the date/time line will open the scan records page.
The Emissions Monitors page will indicate whether or not a vehicle is ready to run an emissions test. It shows the status of both continuously and non-continuously monitored systems. A green bar means the system test has been run and completed. A red bar means the test has not been run or is not complete. If the bar is gray, this indicates the system or test is not available on the selected vehicle. At the bottom of the page is a grid which displays Mode 6 data.

NOTE: You must be in Generic Powertrain mode to view emissions monitor information.
To view live sensor (Mode 1) data tap the PID’s icon. On the page that opens choose the sensors you want to view by tapping the slider next to its name. The sensors available for selection will depend on the system you selected during the initial connection process. Additional PIDs may be available by selecting a different system. At the top right of the screen, choose how you want to see the information. Your choices are: Grid, Graphs and Meter. Samples of each are shown below.
USING ACTUATORS FOR BI-DIRECTIONAL CONTROL

Tap the “Actuators” icon, to open the Actuations panel. This panel facilitates bi-directional control of modules, motors, solenoids, switches, relays etc. The available items will vary by vehicle. Tap the icon again to close the panel.
TOOLBAR, DISCONNECTING AND CHANGING SYSTEMS

At the top of each page is the toolbar. Tap the blue down arrow to open the options page. From here you can access other ALLDATA applications such as Repair Community and Quotes.

Tap the Connect button to open the fly out panel.

Tap Disconnect to disconnect the VCI from the vehicle.

NOTE: It is very important to use this method to disconnect from the vehicle. DO NOT unplug the VCI before tapping Disconnect in this panel.

To scan a different system tap Change System.

Tapping the Change System button, opens the Select Vehicle System page.

Select the new system to scan and tap Next.
Tap Drive Test to use ALLDATA Diagnostics in “Offline” mode. Selecting this switch will allow you to use all of the diagnostic functions without being connected to the internet.

When in this mode you won’t have access to ALLDATA Repair information.

To turn Drive Test off, tap the AD button at the top of the page.

Tap Settings on the home page.

NOTE: The Orange panel indicates you are in Drive Test mode and not connected to the internet.

Scroll to the bottom of the Settings page and tap the Drive Test toggle to turn off Drive Test mode.
To update the VCI, power up the device using the provided power supply.

On the opposite end of the VCI, use the provided USB cable to connect the VCI to a Windows PC.

Open a web browser and enter 192.168.30.1 in the address bar. When the page opens click the Update tab.
UPDATING THE VCI

Click “Choose File” and navigate to the provided update file, and click “Open”. Click “Upload File”. The Power (red) light on the VCI will illuminate.

When the Connected (orange) light on the VCI begins blinking and the Update Agent Status message reads “Rebooting to finalize update”, unplug the VCI from the power supply. Wait 5 seconds and plug the VCI back into the power supply. Verify that the Scan Tool version matches the update documentation.
TROUBLESHOOTING

Initial troubleshooting

1. Turn the vehicle off.
2. Unplug the connection device.
3. Close the ALLDATA Mobile app.
   a. Android
      i. Press the Recent Apps button to reveal all of the apps that are running.
      ii. Drag the app to the side of the screen to close it.
   b. Windows
      i. Select the Task View icon in the Task Bar to reveal all of the apps that are running.
      ii. Tap the X at the top right of the app you want to close.
4. Verify that the most current version of the ALLDATA Mobile app is installed and update as required.
5. Reset the tablet’s Bluetooth connection:
   a. Android
      i. Swipe from the edge of your screen across the system status bar.
      ii. If Bluetooth is on, tap the Bluetooth icon to disable Bluetooth.
      iii. Tap the Bluetooth icon again to turn Bluetooth on.
   b. Windows
      i. Open the Action Center.
      ii. If Bluetooth is on, tap the toggle button to disable it.
      iii. Tap the toggle button to enable Bluetooth.
TROUBLESHOOTING

Problem connecting to the vehicle

1. The connection device...
   a. is already connected to another tablet.
   b. has not completed the startup cycle.
   c. is not working properly.
   d. has not been paired properly within the device Bluetooth settings.

2. The tablet...
   a. has an outdated version of the ALLDATA mobile app installed.
   b. has weak or no internet connection.
   c. Bluetooth is not set up or working properly.

3. The vehicle...
   a. ignition switch is not turned on.
   b. engine is not running. (certain vehicles only).
   c. OBDII port is not working properly.

After all troubleshooting options have been exhausted:

Verify the connection device works on a different vehicle.

1. If the connection is successful:
   a. The device is working properly. Retry the connection on the original vehicle.
   b. If the connection fails a second time on the original vehicle, there may be a problem with the vehicle’s OBDII connector. Vehicle troubleshooting should be completed before attempting connection again.

2. If the connection is unsuccessful:
   a. Contact ALLDATA Support for additional assistance.

FAQ’s

To view a list of frequently asked questions visit: https://support.alldata.com/alldata-mobile-diagnostics-faqs