

The next generation car to  
smartphone technology is here.



## Kiwi 3 User Manual

V1.0.7



# Contents

<b>Setup</b>	<b>2</b>
1. Locate your car's OBDII port and plug in Kiwi 3	2
2. Launch your favorite app and enjoy	2
Configuring specific iPhone apps	3
<b>Troubleshooting</b>	<b>5</b>
Kiwi 3 Indicator Lights	5
Basic Light Test	5
Kiwi 3 will not connect (BT continues to blink after app is launched)	6
Kiwi 3 connected, but does not receive data from OBDII port	6
Updating Kiwi 3 Firmware	7
Test the new firmware	7
Apps for All	8
OBD Car Doctor– simple, intuitive OBD tools and gauges	8
Torque– for the car enthusiast who wants it all.	9
Harry's LapTimer– for the driver that lives for the track	10
OBD Auto Doctor– The most popular app available for Android, iOS, and Windows	11
DashCommand– a comprehensive tuner's toolbox.	12

# Before you start

To ensure full warranty protection, register your product within 15 days of purchase.

To register please visit: [plxdevices.com/warranty](http://plxdevices.com/warranty)

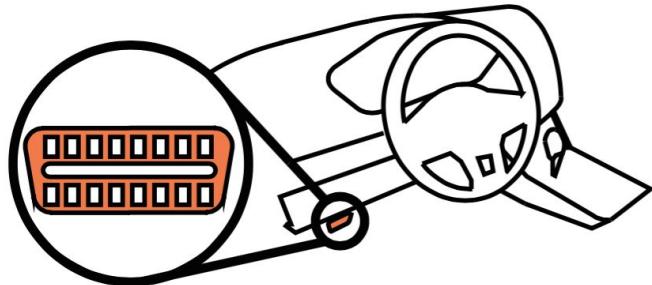
## Setup

### Configuring Kiwi 3

#### 1. Locate your car's OBDII port and plug in Kiwi 3

Most cars have OBD located on the driver's side below the steering wheel.

By OBD standards the connector must be located within three feet of the driver and must not require any tools to be revealed. If your OBD port is not visible in plain sight trying looking under the dash, behind ashtrays, and around/in fuse boxes.



**Having trouble finding your OBD port? Not sure if your car is OBD compliant?**  
Visit <http://www.plxdevices.com/obd-compatibility> for additional information.

#### 2. Launch your favorite app and enjoy

Upon launching the app, Kiwi 3 should automatically find and connect to your device.

Some apps may need additional configuration.  
Please see the next section for details.

**Need help choosing an app? Skip to App Section**

	Android	iOS	Windows Phone
DashCommand	✓	✓	
OBDAutoDoctor	✓	✓	✓
OBDCarDoctor	✓	✓	
Harry's Lap Timer	✓	✓	
Torque	✓		

## Configuring specific iPhone apps

(for configuring specific Android apps see page 4)

**A. For maximum compatibility** and the best user experience please make sure your operating system has been updated to the latest OS version (ie. iOS 10.2.1)

### B. Configure your favorite app

OBD Auto Doctor

1. Select 'Extras' (bottom right corner of the screen)
  2. Under Settings select 'Connectivity'
  3. Select the 'Bluetooth' option
  4. Select 'Status' (bottom left corner of the screen)
  5. Select the Connect (Chainlink icon in the top right corner of the screen)
- OBD Auto Doctor should now be connected and reading parameters from your car.

Harry's LapTimer Rookie / Petrolhead / Grand Prix

1. From the LapTimer home screen select Administration > Settings (You can also select the menu button in button in the top right corner of any screen and select Switch view ... > Settings)
  2. Select Expert Settings
  3. Check the box to the right of Use Bluetooth LE Sensors
  4. Fully close and relaunch the app
- Harry's should automatically connect and reconnect in the future.

OBD Car Doctor

1. Launch OBD Car Doctor
2. From the main screen select Settings
3. Under Connection type please make sure that Kiwi3 is selected (green). You can also have Kiwi 3 autoconnect in the future by enabling Autoconnection
4. Hit the < Back button (in the top left corner of the app)
5. Select Connect

DashCommand

DashCommand should automatically connect. Follow the Kiwi 3 will not connect troubleshooting steps on page 5.

OBD Fusion

OBD Fusion should automatically connect. Follow the Kiwi 3 will not connect troubleshooting steps on page 5.

### C. If Kiwi 3 continues to have problems

Continue to the troubleshooting steps on page 5

## Configuring specific Android apps

### A. Make sure that your smart device can see Kiwi 3

1. Open your Bluetooth Settings (On most devices go to Settings > Bluetooth)
2. Hit 'Scan' or 'Scan for Devices'
3. Verify that your Kiwi is listed under paired devices

### B. Configure your favorite app

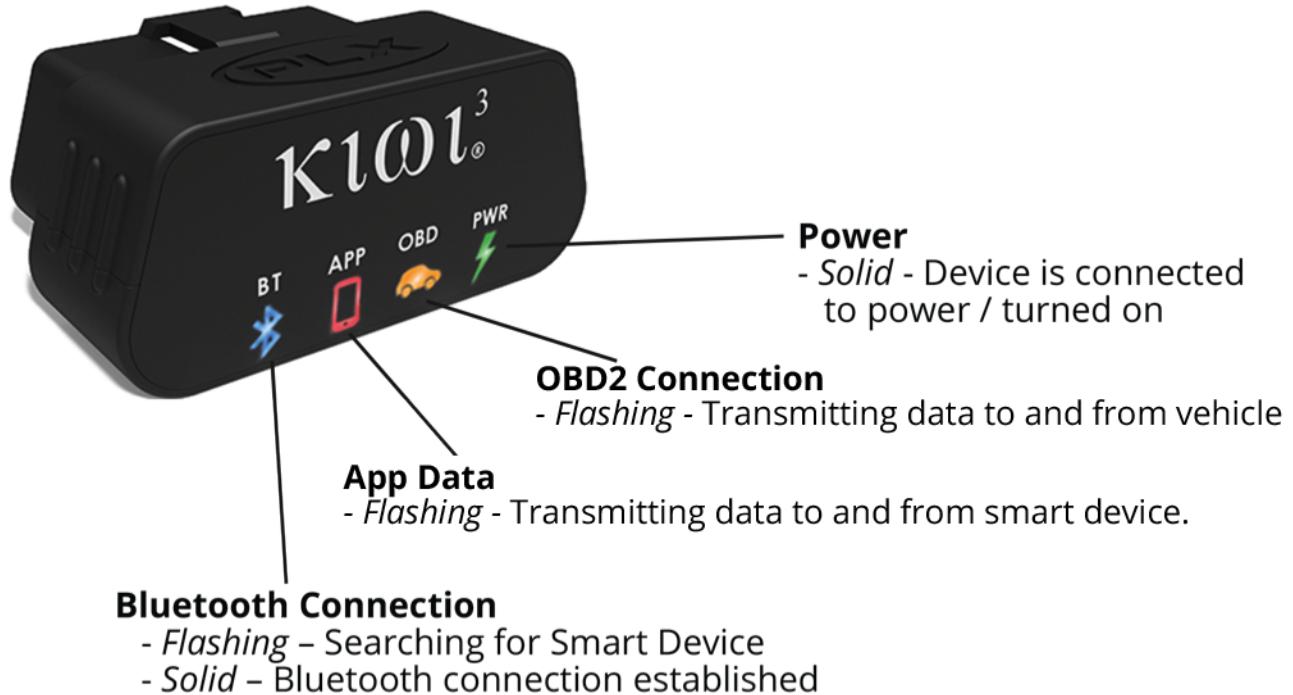
Torque Lite / Torque Pro	<ol style="list-style-type: none"><li>1. Go to the Torque home screen (says TORQUE across the top)</li><li>2. Click the gear icon in the bottom left corner of the screen</li><li>3. Select <i>Settings &gt; OBD2 Adapter Settings &gt; Choose Bluetooth Device</i></li><li>4. Select your Kiwi</li></ol> <p>Torque should automatically connect and reconnect in the future.</p>
OBD Auto Doctor	<ol style="list-style-type: none"><li>1. From the OBD Auto Doctor home screen select Connect</li><li>2. Verify that Bluetooth is the selected Connection Method</li><li>3. Under Bluetooth device select Search/Change</li><li>4. Select Kiwi 3 from the devices</li></ol> <p>OBD Auto Doctor should now connect with your Kiwi 3 and ECU.</p>
Harry's LapTimer Rookie / Petrolhead / Grand Prix	<ol style="list-style-type: none"><li>1. From the LapTimer home screen select Administration &gt; Settings (You can also select the menu button in button in the top right corner of any screen and select Switch view ... &gt; Settings)</li><li>2. Select Expert Settings</li><li>3. Check the box to the right of Use Bluetooth LE Sensors</li><li>4. Fully close and relaunch the app</li></ol> <p>Harry's should automatically connect and reconnect in the future.</p>
OBD Car Doctor	<ol style="list-style-type: none"><li>1. Select the menu button at the top right corner of the screen and select <i>Configuration &gt; Connection &gt; Connection mode &gt; Kiwi 3</i></li><li>2. Fully close and relaunch the app</li></ol>
DashCommand	DashCommand should automatically connect. Follow the Kiwi 3 will not connect troubleshooting steps on page 5.
OBD Fusion	OBD Fusion should automatically connect. Follow the Kiwi 3 will not connect troubleshooting steps on page 5.

### C. If Kiwi 3 continues to have problems

Continue to the troubleshooting steps on page 5

# Troubleshooting

## Kiwi 3 Indicator Lights



## Basic Light Test

1. Firmly plug in Kiwi 3 the green PWR light should light up solid green and the blue BT light should flash.
2. If the green PWR light or the blue BT light does not come on unplug the device and firmly plug it back in.
3. Be sure to check that there is no interference of the pins in Kiwi 3 to making a firm contact to your OBD2 port. Such as your dash paneling or a cover on your OBD2 port.
4. If the green PWR light does not come on or the blue BT light immediately goes solid unplug the device and firmly plug it back in.
5. If the blue BT light continues to come on solid (not flash) immediately after being plugged in update your firmware using the instructions on page 7

## Kiwi 3 will not connect

(BT  continues to blink after app is launched)

1. Power on your vehicle, then plug in your Kiwi 3 to your OBDII port.
2. Verify that your Bluetooth is turned on (On most devices go to Settings > Bluetooth), and no other devices are connected to your Bluetooth (ie. car radio).
3. Be sure there are no other OBD2 apps running in the background, only run one application at a time when using the Kiwi 3.
4. Verify that the app version you have is current

App	Android	iOS
<i>DashCommand</i>	4.6.20	4.6.19
<i>OBD Car Doctor</i>	5.0.0	1.8.2
<i>OBD Auto Doctor</i>	Varies with Device	2.4.0
<i>Harry's LapTimer</i>	20.2.4	20.2.4
<i>Torque</i>	1.8.154	Not Available
<i>OBD Fusion</i>	4.0.0	4.2.1

5. Relaunch
  - a. Restart your smart device
  - b. Disconnect and reconnect Kiwi 3 ensuring that the device is firmly connected to your car's OBDII port (PWR  should be solid and BT  should be blinking)
  - c. Relaunch the app on your smart device
6. Check your Phone specific settings (see pages 5 and 6)

## Kiwi 3 connected, but does not receive data from OBDII port

(PWR  and BT  are solid but OBD  and APP  are idle)

1. Verify that your vehicle is turned on
2. Follow the troubleshooting steps for 'Kiwi 3 will not connect' (above)
3. If Kiwi 3 continues to have problems contact PLX Devices by visiting  
<http://www.plxdevices.com/contact-support>

## Updating Kiwi 3 Firmware

More of a visual person? Visit <http://plxdevices.com/kiwi3firmware> for a tutorial video.

1. Close all apps running in the background, and have your Bluetooth turned on.
2. Open the Google Play Store for Android or App Store for iOS and find the Kiwi3 OTA app. Download and install Kiwi3 OTA.
3. Launch the Kiwi3 OTA app.
4. Scan for your Kiwi 3 and select it.
5. Tap Update/Start OTA. (Kiwi3 OTA will automatically find the most recent firmware version.)
6. **IMPORTANT:** Do not manually input a firmware version file name, or use any other OTA app for your Kiwi 3 other than Kiwi3 OTA.
7. **EXTREMELY IMPORTANT:** Be sure your phone screen does not turn off or go to sleep during the update process. Do not exit out the app while the update is taking place, doing so can cause irreversible issues with your Kiwi unit.
8. Let the update and the reboot complete before exiting the app. Depending on your Internet connection and device the update can take a minute or two to download and install. Upon completion Kiwi3 OTA should show your firmware version as being up to date.

## Test the new firmware

1. Open your Bluetooth settings and select *SEARCH / SCAN*. Select your Kiwi to pair. (Your device will not connect here.)
2. Open your favorite OBD app and double-check your Bluetooth configuration.
3. Connection may require multiple attempts. (Please allow up to 30 seconds to connect.)

## Apps for All

Choose the Right App for You

Kiwi 3 supports a variety of industry apps for every level of car enthusiast.

The following apps can be downloaded from iTunes App Store, Google Play Store, and Windows App Store (depending on operating system availability).



### OBD Car Doctor

**OBD Car Doctor- simple, intuitive OBD tools and gauges**

Operating System: Android and iOS / iPhone

★★★★★ 10,448

*OBD Car Doctor (free) features:*

- Check engine light code reader and reset
- Real-time gauges and data including speed, rotation, temperature, pressure, and lambda
- Fuel economy tracker



*OBD Car Doctor Pro (\$2.99) features:*

- Real-time parameter recording
- Multiple parameters display
- Parameter recorder (with background mode)
- View and sending recorded parameters traces
- GPS support



# TORQUE

**Torque- for the car enthusiast who wants it all.**

Operating System: Android

★★★★★ 38,058

*Torque Lite (free) features:*

- Fully customizable real-time gauges
- Check engine light code reader and reset
- Massive fault code database for lookup of fault codes from different manufacturers
- Dynamometer (Dyno) including horsepower, torque, and transmission temp
- Turbo boost feature for vehicles that support MAP and MAF sensors



*Torque Pro (\$4.95) features:*

- Support for more vehicles and ECU types
- Cleaner user interface without ads
- Alarms and warnings (for example if your coolant temperature goes over 120°C)
- Video Track Recorder with real-time gauges and mapping overlay
- Fully customizable dashboard, profiles, and themes
- AIDL API for third party apps,
- Horsepower, Torque, 0-60 , and quarter mile tests
- Data logging / graphing
- Map / track views
- ABS / Knock sensor
- And much more ...





# Harry's LapTimer

**Harry's LapTimer- for the driver that lives for the track**

Operating System: Android and iOS

★★★★★ 150

*Harry's LapTimer Rookie (\$8.99)*

*features:*

- Lap time and data recording
- Support for dozens of external GPS and OBD sensors
- State of the art predictive lap timing
- Repository of more than 750 tracks world wide
- Upgradeable to Petrolhead and Grand Prix editions



*Harry's LapTimer Petrolhead (\$19.99) features:*

- Everything from Rookie Edition
- Video recording and overlaying (including Picture in Picture)
- Realtime / Online View showing your peers
- Enhanced data analytics
- Full range of timer and specialized views

*Harry's LapTimer GrandPrix (\$27.99) features:*

- Everything from Petrolhead and Rookie Editions
- Professional sensor support (>20 Hz GPS, engine data)
- Video reference lap comparison
- MultiCam for iOS devices, GoPro HERO and Sony cams
- Even more enhanced data analytics





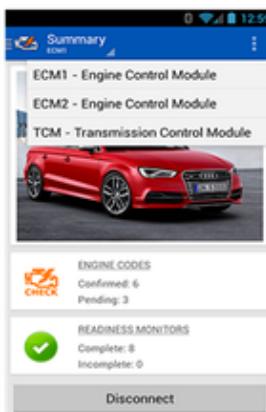
## OBD Auto Doctor- The most popular app available for Android, iOS, and Windows

Operating Systems: Android, iOS / iPhone, and Windows Phone

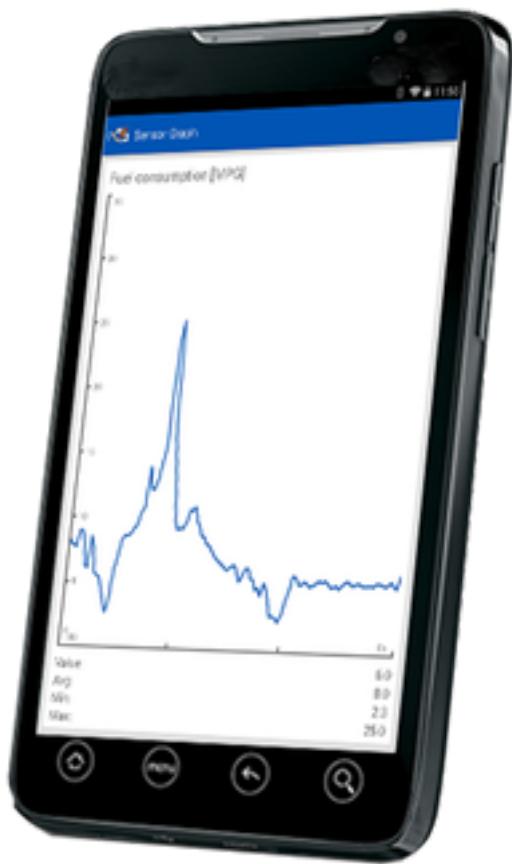
★★★★★ 2,125

*OBD Auto Doctor (free with in-app purchases) features:*

- Smog readiness monitor indicates whether or not your car is ready for emissions testing
- Diagnostic Trouble Codes (DTCs) reader for reading, freeze framing, and clear the codes and MIL
- Fuel consumption monitor for gas and diesel
- Real-time OBD-II parameter and sensor for detecting abnormalities
- OBD-II monitor including numerical or graphical presentation
- Support for multiple electronic control units such as engine, transmission, etc.



DTC Database	
Code	Description
B0001	Driver Frontal Stage 1 Deployment Control
B0002	Driver Frontal Stage 2 Deployment Control
B0003	Driver Frontal Stage 3 Deployment Control
B0004	Driver Knee Bolster Deployment Control
B0005	Deployable Steering Column Deployment Control
B0010	Passenger Frontal Stage 1 Deployment Control
B0011	Passenger Frontal Stage 2 Deployment Control
B0012	Passenger Frontal Stage 3 Deployment Control
B0013	Passenger Knee Bolster Deployment Control
B0020	





## DashCommand- a comprehensive tuner's toolbox.

Operating Systems: iPhone and Android

★★★★★ 7,400

*DashCommand (\$9.99) features:*

- Performance gauges including engine speed, corrected vehicle speed, open/closed loop, boost/vacuum combo, acceleration, braking, and torque
- Fuel economy including instant fuel economy, average fuel economy, distance to empty, time to empty, fuel level %, fuel remaining, fuel flow rate gauge
- Engine gauges including timing/spark advance, engine coolant temp, intake air temp, ambient air temp, manifold absolute pressure, mass air flow, fuel trims (short and long term), percent engine load, catalyst temp, fuel pressure, air/fuel ratio T
- Trip computer that maintains stats for up to 5 trips and includes distance travelled, fuel consumed, average fuel economy, fuel cost, elapsed time, drive time, average carbon dioxide emission rate, total carbon dioxide emission, start date & time
- Emissions Testing allowing you to read and clear diagnostic trouble codes and know your IM readiness status
- Professional skid pad showing lateral and acceleration/braking Gs with min/max indicators.
- And much more ...



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