

iQuad+

BY **QUADZILLA**
POWER



INSTALLATION INSTRUCTIONS



WARRANTY

Products purchased under Minimum Advertised Price (MAP) will not be eligible for warranty through Quadzilla Power, LLC. Products are only eligible for warranty when registered at **QuadzillaPower.com/Warranty_Card/**. See pages 14-15 for more warranty information.

INTRODUCTION

Thank you for your purchase of a Quadzilla iQuad+. We hope you'll be more than satisfied with the increased performance our product provides.

Installation of this product indicates the BUYER has read and understands this agreement and the **'Disclaimer of Liability'** agreement contained at the end of this document and accepts its terms and conditions.

IMPORTANT: THIS IS A HIGH PERFORMANCE PRODUCT. USE AT YOUR OWN RISK.

Before beginning the installation of your new iQuad+, read these instructions in their entirety. Make sure you understand the steps and possess the skills required to install this product. If you have any questions regarding the installation please contact your dealer before starting the installation process.

SUMMARY:

The all new iQuad+ supersedes the iQuad/iQuadBT kits and is able to connect to both Android and iOS devices. The iQuad+ allows users to connect to both platforms interchangeably without requiring a different module. The iQuad+ also boasts improved hardware to provide a smoother and faster connection.

When the iQuad+ is not connected to a device, two signals are being broadcasted simultaneously (WiFi and Bluetooth).

Bluetooth Connection- For use with Android ONLY

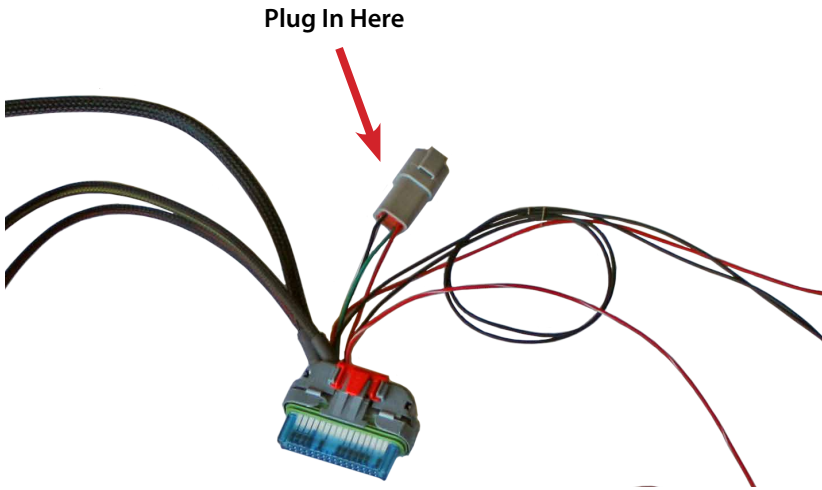
WiFi Connection- For use with iOS ONLY

Once a device is connected, the signal not being used (WiFi or Bluetooth) will be eliminated. Both signals can't be used at the same time.



INSTALLATION:

Connecting your iQuad+ Module is simple. If necessary unplug your existing ControlPod, Pulse V2, or iQuad/iQuadBT. Plug your iQuad+ wiring harness into the connector shown below.



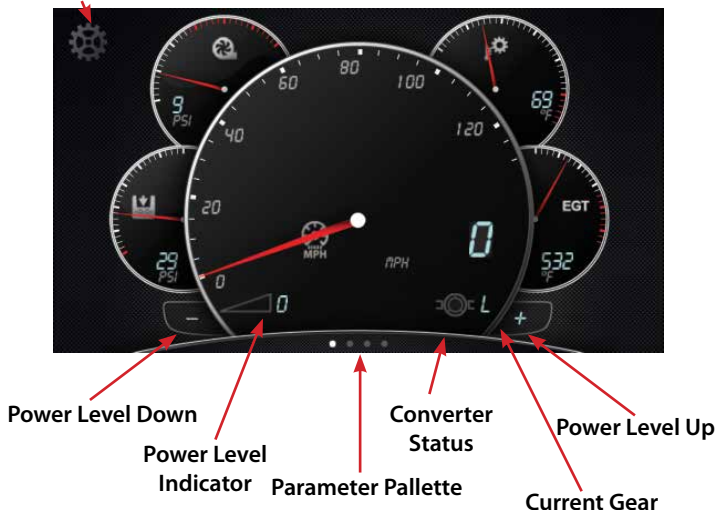
The iQuad app is available for free from the App Store™ and Google Play™. Begin by selecting to install the application on your smart device. When opening the app for the first time, you will see a gauge layout, with only the speedometer showing. Once a vehicle selection is made, gauges will auto populate and can also be changed.





IQAD NAVIGATION/FEATURES

Main Menu



Yellow parameter icon indicates a warning for this parameter that is currently on the Main Display.

Yellow icon warning indicates a warning for a parameter that is on the Main Display.



Yellow Palette indicates a warning for a parameter that is NOT currently on the main display.

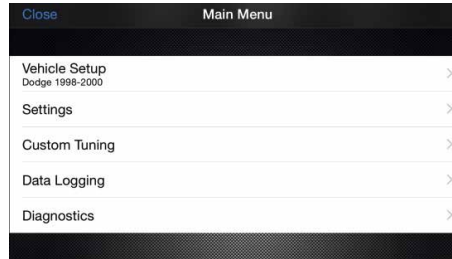
Yellow Turbo indicates that the turbo timer is enabled.

**** SCREEN CAPTURES AND OPTIONS MAY DIFFER FROM IOS AND ANDROID APPS**



MAIN MENU

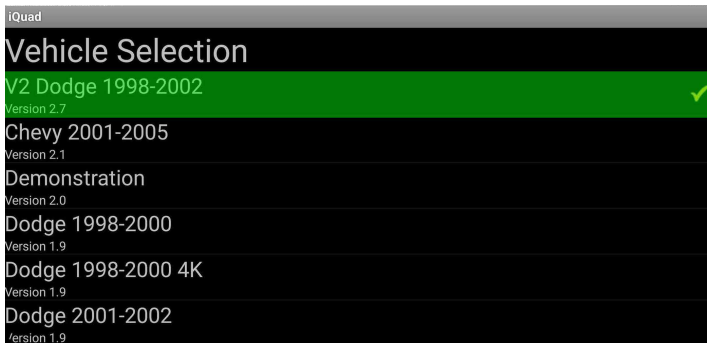
Download and open the iQuad App. Tap on the top left corner of the screen on the grey gear icon to navigate to the main menu.



VEHICLE SELECTION:

***Vehicle Selection can only initially be made if you are connected to the internet (via local WiFi or cellular service; hotspot connection may not be sufficient).

All new Adrenaline units are sent out with V2 tuning. In order to have full functionality of the Adrenaline and iQuad modules you must be in the vehicle selection "V2 Dodge 1998-2002".



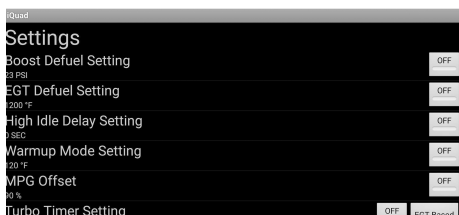
Other vehicle selections are for legacy modules, tunes, and board modifications. You must have the matching software and hardware in order to run different vehicle profiles. "V2 Quadzilla Only" is for internal company use and testing only.

From time to time we will release vehicle updates that will be available without going through the app store. To check for these updates just re- select your vehicle, if an update is available you will be notified, if no update is available you will be returned to the main menu.



SETTINGS MENU

Make sure your desired value is displayed before turning a setting on. Touch the setting name to edit the value and a keyboard will appear. Enter the new desired value and select save in the top right hand portion of the display.



Turn each individual setting on or off by touching the grey toggle button on the right hand side of each setting. The setting will turn green when on.

BOOST & EGT DEFUEL

These safety parameters give you the ability to have the Adrenaline cut fuel once these values are met. This can prevent over spinning your turbo from too much boost or engine damage from running excessive EGT's.

****Having this setting on can prevent max performance gains from the Adrenaline.****

HIGH IDLE & WARMUP MODE

The High Idle Delay Setting must be on and the Adrenaline power level set to 0 in order for your truck to enter a high idle. The delay value is how long the truck has to be idling before it begins to idle higher. A delay setting of 0 seconds will cause the truck to immediately enter high idle.

Warmup Mode puts the truck into power level 0 (stock) until the designated value is met. When engaged, the power level indicator will turn green. The truck will only engage high idle below the set warmup mode value. If power level is at 0 it will start automatically.

****The Adrenaline's high idle is not for use with trucks that have factory high idle enabled. Your truck will shut off as it attempts to enter high idle.**

****SCREEN CAPTURES AND OPTIONS MAY DIFFER FROM IOS AND ANDROID APPS**



MPG OFFSET

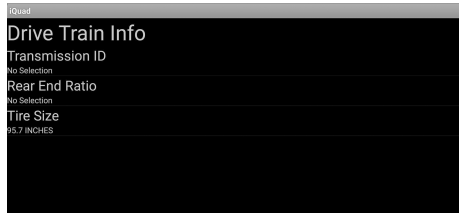
Changing this value will adjust your mpg readout for larger injectors, different gear ratios, and other modifications. Compare what the Adrenaline reads as your average mpg to your hand calculated mpg and offset the difference. To reset your MPG or gallon trip, toggle this button on/off.

TURBO TIMER SETTING

A turbo timer is a great safety feature that can prevent premature turbo wear. The Adrenaline can keep the truck running after the key has been pulled out. This allows air and oil to cool the turbo before shutoff and prevent breaking down your oil due to heat. To switch from an EGT Based timer to a Time Based turbo timer touch the box to the right of the on/off toggle button. Either Time or EGT can be selected.

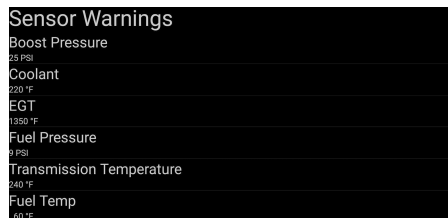
DRIVE TRAIN INFO

To change Drive Train Info touch the setting and then select from a drop down list of available options. For tire size a keypad will display, type in the circumference of your tire (Diameter of tire multiplied by 3.14).



SENSOR WARNINGS

The Sensor Warnings menu selection allows for different warnings to be set for the listed parameters. To turn a sensor warning on or off tap the grey toggle button on the right hand side of each parameter. The setting will then turn green when on.

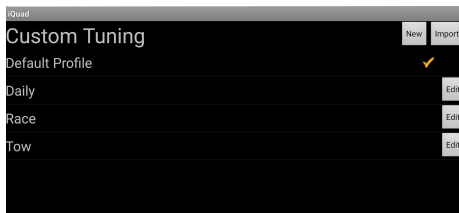


To change the value in which the sensor warning is activate, tap the parameter title and enter the desired value.



CUSTOM TUNING

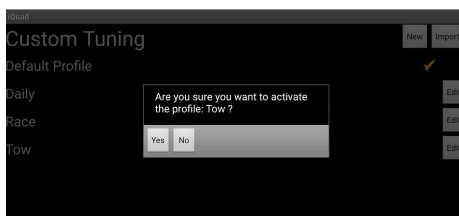
One of the greatest features of the Adrenaline and iQuad+ setup is the ability to custom tune. When you first install your Adrenaline, the “Default Profile” will be selected. This is the standard, 10 power level, tune that is loaded onto all new Adrenaline units.



To make a new tune, select “New” or the “+” button in the top right corner. Establish a profile name and select “Save”. Now all of the different parameters that are able to be changed are listed. To make a change to a particular parameter simply touch it and use the keypad to make your change. Once done use the “Save” button in the upper right hand corner to save that change. You will then be taken back to the parameter list.

Once you have made all of your changes for your new tune profile touch “Save” in the upper right hand corner of the entire parameter list. This creates the tune profile.

Once your profile is saved you will return to the main Custom Tuning Menu. To activate a profile simply touch one that does not have a check mark. You will be asked to confirm your decision to run that tune profile.



The tune profile currently running on your Adrenaline will be identified by the check mark at all times. To edit a tune profile touch the edit button to the right of the screen. To delete a tune profile touch the trash can in the lower left hand corner of the screen, then touch the red minus sign beside the tune profile you wish to delete. Follow this by touching the red delete button and follow any on screen prompts.

**** SCREEN CAPTURES AND OPTIONS MAY DIFFER FROM IOS AND ANDROID APPS**



CUSTOM TUNING PARAMETERS

NUMBER OF POWER LEVELS

Select the total number of power levels you would like in the tune. This will not affect peak power, it will only scale how much wiretap is being used on the upper power levels. Power levels 0 to 3 will always be:

LEVEL 0

STOCK TUNING WITH BOOST FOOLING

LEVEL 1

VALET MODE (LESS THAN STOCK POWER)

LEVEL 2

TIMING AND USES CUSTOM CANBUS FUELING CURVE UP TO 100%
(WON'T GO ABOVE STOCK FUELING)

LEVEL 3

TIMING AND FULL CANBUS FUELING CURVE (WILL GO ABOVE STOCK
FUELING)

LEVEL 4

TIMING, FULL CANBUS FUELING CURVE, AND ADDS SOME WIRE TAP

LEVEL 5+

SAME AS POWER LEVEL 4, BUT WILL SCALE THE AMOUNT OF PUMP
TAP UP DEPENDENT ON HOW MANY POWER LEVELS YOU HAVE

RPM LIMIT

Decide what RPM you would like to fuel up to. This extends your pump tap to the desired RPM. However, if you have a weak pump, not enough fuel, etc. it may be hard for your truck to reach higher RPM. Upgraded valve springs are recommended over 3400rpm.

MAXIMUM VALET MODE POWER

The Valet mode value dictates what percentage of stock power you will have in your Valet Mode (Power Level 1). 0% will virtually remove all power from the truck, and 100% will make the truck run stock.

MAXIMUM FUEL STRETCH

Maximum Fuel Stretch is the pulse time that the Adrenaline is telling the fuel solenoid to stay open. Higher fuel stretch does not always mean more power, as too high of a fuel stretch can limit top power output.



TPS PUMP MAXIMUM

This is the value that will determine the throttle position at which the wire tap fueling will peak out at. For example, if set at 70%, your pump tap will be demanding the maximum amount of fuel from 70% throttle to 100%.

TPS PUMP MINIMUM

This value that determine the throttle position at which the wire tap fueling will begin.

MINIMUM PUMP TAP FUELING PERCENTAGE

This parameter dictates how aggressively the pump tap will kick in. As you gain more boost and demand more fuel the pump tap becomes increasingly more aggressive. Increasing this value will begin the fueling curve higher. A 0% value will make the smoothest transition when the tap does engage, while a 50% value will make it engage hard.

PUMP LOW BOOST SCALE PSI

Similar to the TPS Pump Minimum, this is the boost psi you must reach in order for the tap to engage. Please note that both this value and the TPS Pump Minimum must be met to engage the pump tap.

BOOST SCALING

Boost scaling is the boost value where the pump tap will peak out at. Again, both this value and the TPS Pump Maximum must be met to achieve maximum fueling.

MAX LOAD TIMING OFFSET

This allows you to tune timing based on a weighted calculation of load and rpm. This setting does not increase your max timing. It reduces timing as load increases (ie for towing).

LOW PSI TIMING REDUCT

Variable to allow for the user to set a max amount of timing to pull when TPS is high and boost is low. Pulling timing will assist in spooling the turbo.



TIMING REDUCT SCALING

This allows you to set how much timing gets pulled from the Low PSI timing reduct number set. You may want more timing down low, but want to pull timing up top. Scaling function will limit max timing at high rpm but allow for the map to calculate off of the max timing until that point is reached.

LIGHT THROTTLE TIMING ADVANCE

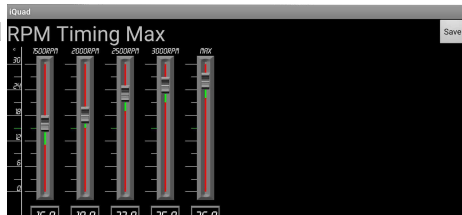
This setting allows you to advance timing above the base timing curve if load is low. Timing advancement is based on load percentage where 0% load would give you the most timing advance and as load increases timing will decrease. Above 50 mph there is an additional 1* of timing added on top of the configured value.

LIGHT THROTTLE LOAD LIMIT

This setting allows you to set a maximum value for engine load for light throttle timing advance. If engine load is above this level, the truck will no longer use light throttle timing advance. Aggressive timing may make the truck feel sluggish.

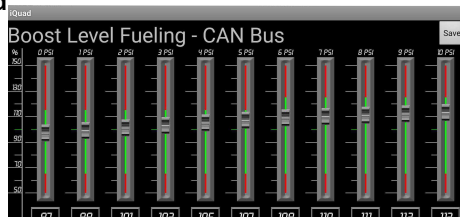
RPM TIMING MAX

When this parameter is opened you will be presented with five sliding controls that determine the maximum TOTAL amount of timing at a given RPM. Stay within the green values for unmodified motors.



BOOST LEVEL FUELING- CAN BUS

When this parameter is opened you will be presented with 24 sliding controls. At each PSI of boost you can choose what percentage of stock ECM fueling you would like. 100% fueling across the board will provide stock computer fueling (not including pump tap). This is the most effective parameter for controlling smoke and over fueling.





DATA LOGGING

The Data Logging menu selection presents you with several minimum and maximum values for different parameters while a device is connected to the iQuad+. You can also export a detailed data log file with timestamps using the export button on the top right of the screen.

****Please note that data logs will clear from your device once connection with the iQuad+ is terminated. You must export the log while connected to the truck.**

iQuad		Export	Clear
Data Logging			
Backdown Percentage		Max:0%	
Boost Pressure		Max:0PSI	
Coolant		Max:0°F	
ECM Voltage	Min:0.0V	Max:0.0V	
EGT		Max:0°F	
Engine Load		Max:0%	
Fuel Pressure		Min:0PSI	
Intake Air Temperature		Max:0°F	

TROUBLESHOOTING/FAQ

I can't connect my device.

1. Make sure the Adrenaline has a proper ground connection and the red/white ignition wire is getting 12v.
2. Go into your device settings and search/connect to the iQuad via WiFi or Bluetooth, with the app closed. Then open the app once connected.

All of my parameters are reading 0.

1. Go into your device's settings and ensure you are connected to the iQuad+.
2. If there is only one gauge in your layout and no other values are showing, you must drag and drop what parameters you would like to see. To access the parameter pallet, click on the carrot at the bottom of the gauge layout and then drag and drop desired parameters.
3. Check your Data Link connection on the truck. If it is not connected, or the truck's wires have corroded the iQuad+ will not read most parameters.

What vehicle selection do I choose?

1. If your Adrenaline was manufactured in 2017+ you most likely have V2 tuning and must select V2 Dodge 1998-2002. If you would like the V2 update, but have older tuning, Quadzilla offers a "Test and Update" service available on our website.

My power level bar is green.

1. You are in a warmup mode, turn this off in the settings menu.

I can't go up in power levels.

1. Double check that you are connected to the iQuad+.
2. Check your Data Link Connection to make sure it is secure.
3. Ensure your warmup mode setting is in the off position.



TECH SUPPORT

Please contact your dealer for all Tech Support prior to contacting Quadzilla Power. Your dealer should be able to provide you with additional assistance. If further support is needed, Quadzilla Power, LLC can be reached by the phone number or e-mail address below. Any messages/e-mails received will be returned within the next business day.

801-872-5472

TECH@QUADZILLAPOWER.COM

Ask a question online:

www.QuadzillaPower.com/contact-support/



Quadzilla Power, LLC offers a 30-Day Money Back Guarantee for Electronic Modules returned in NEW CONDITION, as determined and verified by Quadzilla. Quadzilla Power, LLC warrants that all Goods shall be free of substantive defects in material and workmanship for a period of one (1) year, unless otherwise stated in writing. **Failure to register your product within 90 days of purchase will void the one (1) year unlimited mileage warranty.** Warranty registration requires proof of purchase and/or sales receipt. Any product returned for refund must be sent back to the dealer it was purchased from. Quadzilla Power, LLC does not refund the end user if product was not purchased direct. Please contact your dealer prior to returning products for refund.

An RMA # (Return Merchandise Authorization) must accompany all returns and exchanges. The RMA # must be written on the outside of the box and be visible by the receiver, or they will be refused. Returns and exchanges must be shipped pre-paid or they will be refused.

Damage to any items occurred during shipping due to improper packaging is the responsibility of the customer. For any item not covered under WARRANTY the customer is responsible for all charges that include, but is not limited to: repair work, replacement of parts, replacement of items, and shipping back to customer. Quadzilla is not responsible for any damage or modification done to any items while in customer's possession. If items are not covered under WARRANTY the customer will be charged any and all expense to repair/replace any items damaged or modified. This includes improper care and installation. Unclaimed items sent in for repair or warranty after 30 days will be disposed of.

PLEASE CONTACT YOUR DEALER FOR ADDITIONAL PRODUCTS AVAILABLE FOR YOUR VEHICLE.

WARRANTY

All QUADZILLA Performance Modules, Tuners, and units are covered by a one-year unlimited mileage warranty to the original purchaser, when purchased at MAP (except for Quadzilla authorized sales). Purchases from unauthorized dealers will not be warranted. Products are only eligible for warranty when registered at quadzillapower.com/Warranty_Card/.

WHAT IS WARRANTIED:

Any Performance Modules/Tuners Diesel Performance Enhancement Software specified for Cummins, Powerstroke, and, Duramax diesel engines, except those units sold exclusively for racing and/or off-road use.

WHO IS COVERED BY WARRANTY:

The original purchaser of a Performance Modules/Tuners who has completed the required warranty registration and provided proper proof of the original retail purchase and all other required information.

WHAT IS NOT WARRANTIED:

Performance Modules/Tuners used for any type of racing or competition, any off-road use, custom or modified applications, any non-legal or industrial applications are not covered under warranty.

WHAT VOIDS THE WARRANTY:

Incorrect Installation: The Performance Modules/Tuners must be installed following Quadzilla installation procedure as outlined in the product literature that accompanies the Performance Modules/Tuners. **Physical damage to the unit due to improper care in installation or removal will not be covered under this warranty.** **No Registration:** Failure to register your product within 90 days of purchase will void the one-year unlimited mileage warranty. **No Proof of Purchase:** At time of warranty claim, buyer must provide proof of purchase (original receipt or invoice). **Incorrect Use:** Any damaged, abused or modified Performance Modules/Tuners will not be warranted. Products purchased under Minimum Advertised Price (MAP) will not be eligible for warranty through Quadzilla Power, LLC.

EXTENT OF WARRANTY:

Any defective Performance Modules/Tuners properly returned to QUADZILLA will be replaced or repaired by QUADZILLA. QUADZILLA will not be responsible for any other expenses incurred by the customer under the terms of this warranty, nor shall it be responsible for any damages consequential, special, contingent, or otherwise; or expenses or injury arising directly or indirectly from the use of the Performance Modules/Tuners unit or software. Any Performance Modules/Tuners returned to QUADZILLA must be sent at the customer's expense along with proof of purchase. QUADZILLA reserves the right to determine whether the terms of the warranty, set out above, have been properly complied with. In the event that the terms are not complied with, QUADZILLA shall be under no obligation to honor this warranty.

SHORTAGES AND DAMAGED GOODS:

It is the responsibility of the customer to inspect and count products upon receipt. Any shortages or errors must be reported to Quadzilla immediately. Claims for shortages or damaged goods must be received within 3 days of receipt of the product. All merchandise is inspected before packaging. Any damaged goods should be reported to the freight carrier immediately. All packaging of damaged goods must be kept for inspection by the freight carrier.

RETURNS AND EXCHANGES:

An RMA # (return merchandise authorization) must accompany all returns and exchanges. Returns must include a copy of the original invoice. Returns and exchanges must be shipped pre-paid or they will be refused. Returned or exchanged products must be undamaged, or in "like new" condition. Damage occurred during freight due to improper packing is the responsibility of the customer. Unauthorized or refused merchandise are subject to a 20% restocking fee.

*** NOT CARB LEGAL: NOT FOR SALE OR USE IN CALIFORNIA OR CARB STATES.**

DISCLAIMER

THIS IS A HIGH PERFORMANCE PRODUCT. USE AT YOUR OWN RISK

Do not use this product until you have carefully read the following agreement.

This sets forth the terms and conditions for the use of this product. The installation of this product indicates that the BUYER has read and understands this agreement and accepts the terms and conditions.

DISCLAIMER OF LIABILITY

Quadzilla Power, LLC and its distributors, jobbers and dealers (hereafter SELLER) shall in no way be responsible for the product's proper use and service. THE BUYER HEREBY WAIVES ALL LIABILITY CLAIMS.

The BUYER acknowledges that he/she is not relying on the SELLER's skill or judgment to select or furnish goods suitable for any particular purpose and that there are no liabilities which extend beyond the description on the face hereof and the BUYER hereby waives all remedies or liabilities, expressed or implied arising by law or otherwise, (including without any obligations of the SELLER with respect to fitness, merchantability and consequential damages) or whether or not occasioned by the SELLER's negligence.

The SELLER disclaims any warranty and expressly disclaims any liability for personal injury or damages. The BUYER acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and the BUYER agrees to indemnify the SELLER and to hold the SELLER harmless from any claim related to the item of the equipment purchased. Under no circumstances will the SELLER be liable for any damages or expenses by reason of use or sales of such equipment.

The SELLER assumes no liability regarding the improper installation or misapplication of its products. It is the installer's responsibility to check for proper installation and if in doubt, contact the manufacturer.

LIMITATION OF WARRANTY

Quadzilla Power, LLC (hereafter "SELLER") gives limited warranty as to description, quality, merchantability, fitness for any product's purpose, productiveness, or any other matter of SELLER's product herewith. The SELLER shall be in no way responsible for the product's open use and service and the BUYER hereby waives all rights other than those expressly written herein. This warranty shall not be extended or varied in, except by a written instrument signed by SELLER and BUYER.

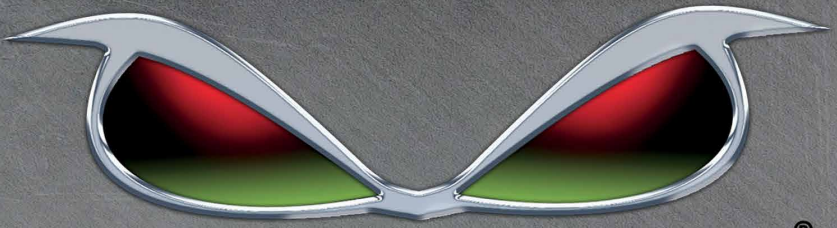
The warranty is limited to one (1) year from the date of sale and limited solely to the parts contained within the product's kit. All products that are in question of Warranty must be returned shipping prepaid to the SELLER and must be accompanied by a dated proof of purchase receipt. All warranty claims are subject to approval by Quadzilla Power, LLC.

Under no circumstances shall the SELLER be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or reinstallation of this product, or any other contingent expenses.

Under no circumstances shall the SELLER be liable for any damages or expenses insured by reason of the use of sale of any such equipment.

IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT: THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UNUSED CONDITION WITH A DATED PROOF OF PURCHASE TO THE PLACE OF PURCHASE WITHIN THIRTY (30) DAYS FROM THE DATE OF PURCHASE FOR A FULL REFUND.

THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.



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 **QUADZILLAPOWER** 

VISIT OUR WEBSITE FOR THE
LATEST VERSION OF INSTRUCTIONS
<http://quadzillapower.com/installation-instructions>