



KVR POWER KIT-XL

**HIGH PERFORMANCE FRONT SPEAKER KIT
WITH 225 WATT AMPLIFIER**

FOR USE ON 2009 - CURRENT KAWASAKI VAQUERO AND VOYAGER MODELS

INSTALLATION MANUAL

CONGRATULATIONS!

Congratulations and thank you for purchasing Metrix Audio's KVR Power Kit-XL by Hogtunes. Since positive word of mouth is the best way to grow our business, we want your kit to work as well as designed to. If you have any questions or concerns, we are here to help! Please contact us during regular business hours via email or phone.

The Metrix Audio KVR Power Kit-XL is made of a Hogtunes 225 watt amp as it works so well with the factory Vaquero radio. The supplied XL Speakers also work very well in the Vaquero fairing. Although these parts come from the Hogtunes line up, the supplied wire harness and amplifier mounting plate are specific to Vaquero.

The REV 225-AA amplifier is a Class D design. It should be understood that ALL Class D amplifiers, REGARDLESS OF BRAND, cause a reduction in FM reception. The REV 225-AA features a proprietary circuit design called R.E.M.I.T. (Reduced Electro Magnetic Interference Technology) that Metrix Audio believes gives the BEST FM reception available for any Class D Amplifier designed for a motorcycle. If you add a 2nd or 3rd model amplifier to your system, reduction of FM reception is increased and is considered normal.

Hogtunes understands that some riders prefer the cosmetics of in-fairing antennas, however it should be noted that NOTHING WORKS AS WELL AS THE FACTORY ANTENNA. If FM is an important part of your riding experience, we strongly advise against the use of any in fairing type antenna!

Hogtunes Contact Information

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INSTALLATION

Step #1: Remove the seat, and power and ground wires from the battery. Remove the bikes outer fairing/headlamp assembly from the bike. Refer to your manual if you need help with this.

Note: A towel or something similar over the front fender may help prevent unnecessary scratches and dings. High volume expletives, and having your friends laugh at you may also be kept to a minimum.

Step #2: On each speaker grill, remove the 2 screws highlighted by the arrows as shown in the Diagram 1.1 and remove the grills from the bike. Undo the screws that hold each speaker to the bike, gently pull each wire from each speaker, and pull each speaker away from the bike.



Diagram 1.1

Step #3: Diagram 1.2 shows where the amplifier will be mounted on the supplied plate. Remove the 2 bolts high-lighted by the arrows. Locate the supplied metal mounting bracket that came in the kit and position it as shown so the plate the amp sits on is between the bolts and the inner fairing. Attach the plate to the bike using the factory bolts removed earlier.

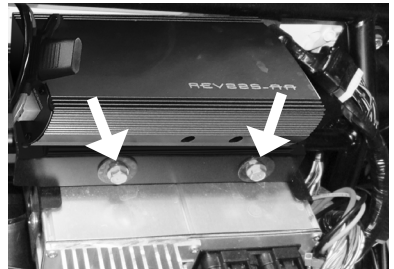


Diagram 1.2

Step #4: Inside the amplifier box is a piece of Velcro of which both halves need to be separated. One half of the Velcro will get applied the bottom of the amp, and the other half will applied to the plate. The amp can get now get "stuck" to the plate in the orientation shown in Diagram 1.2. noting that the 4 wires ending in a black plug should be on your left (brake side) and the power connector should be on your right (clutch side).

Step #5: Locate the main power harness and plug it into the matching connector on the side of the amp. Locate the "audio Input" harness, and plug it into the matching socket on the end of the amp. Locate the "audio out" harness and plug its black plug into the **BLACK PLUG** on the amplified output "pigtail". You will see an empty blue 4 pin plug on the input harness that is there for possible future system expansion and is **NOT USED** in this installation!

Step #6: On the clutch side of the bike, carefully pull the factory speaker wires out of the speaker housing and plug them into the yellow/black wires on the audio input harness, noting these will only go on one way.

On the brake side of the bike, carefully pull the factory speaker wires out of the speaker housing and plug them into the green/black wires on the audio input harness, noting these will only go on one way.

Step #7: The audio out harness is what carries the amplifier power out to your new speakers. Take the brown/black wires on the audio out harness and feed them into the speaker "tube" on the clutch side of the bike. Take one of the speakers and attach the wires coming off the speaker to the audio out wires from the amp noting they will only plug together one way. Sit the speaker in place for now.

Take the blue/black wires on the audio out harness and feed them into the speaker "tube" on the brake side of the bike. Take the second speaker and attach the wires coming off the speaker to the audio out wires from the amp noting they will only plug together one way. Sit the speaker in place for now.

It's time to fasten the speakers into the bike. The speakers will need to be turned into the correct position so they fit all the way in. They only fit "one way." With each speaker in position, secure the new speakers in place using the factory screws removed earlier.

Step #8: Routing the power/ground harness. You will see where the factory wires exit the fairing towards the frame of the bike. The amps power and ground wires will exit there, and run down the brake side "backbone" of the frame, under the fuel tank. You may need to undo the 2 bolts that secure the back of the fuel tank and gently lift the tank up to help run these wires. With the back of the tank up, you may find that a make shift wire "snake" will make things easier.

Connect the amps red power wire and factory positive wire to the positive post of the battery.

Step #9: Re-install the factory ground wire to the battery.

The amp and new speakers are now installed and wired. Please take a minute and make sure all connections are "solid". Once you're satisfied with the connections, turn the bike's ignition on at low volume, make sure everything is working.

Step #10: Using the supplied "zip-ties" clean up and secure any wires on the supplied harness.

Attach the amps ground (black) wire to the factory bolt highlighted by the white arrow in Diagram 1.3

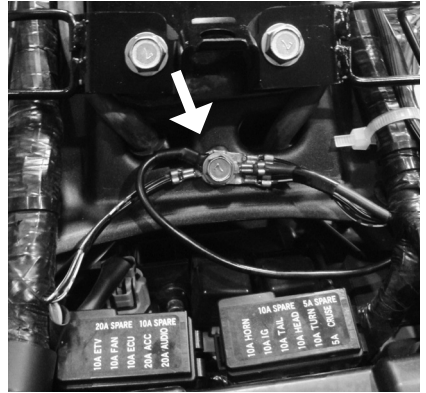


Diagram 1.3

IMPORTANT: With all wires secured, turn the front wheel to each extreme side making sure that any wires cannot bind or impede the steering of the motorcycle. Failure to do so can cause an accident resulting in serious injury or death!

Your system is designed specifically for a motorcycle at speed. Exhaust noise and wind noise have been taken into careful consideration in how your system performs. How your new system sounds in a driveway or garage is radically different from how it will sound at highway speeds. Although your system was "voiced" with a factory radio with its bass and treble controls in the middle position, if you feel the need to make adjustments, please do so (carefully) at your normal cruising speed.

AMPLIFIER WIRING DIAGRAM



Clutch-side factory speaker wire plugs into yellow/black on amp

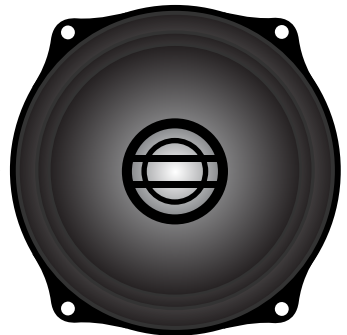
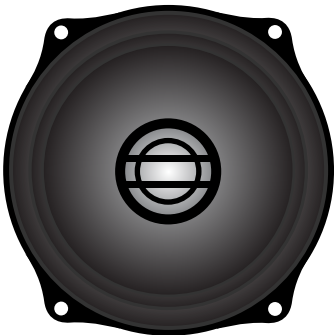
Brake-side factory speaker wire plugs into green/black on amp



Power & ground wires go to battery area

Brown/Black wire plugs into clutch-side speaker

Blue/Black wire plugs into Brake side speaker



TECHNICAL SPECIFICATIONS

REV 225-AA Amplifier

RMS Power at 2 Ohms:..... 112.5 watts x 2
Freq. Response:30hz-25khz
Fuse at Amp: 15 amp

XL Series Speakers

Power Handling: 150 RMS-200 Peak
Frequency Response:40hz-25Khz
Sensitivity:94 db 1watt/1meter
Nominal Impedance:2.0 Ohms

WARRANTY INFORMATION

XL Series speakers are warranted for a period of 5 years. The REV 225-AA Amplifier is warranted for 3 years from original purchase date. Proof of purchase is required for all warranty claims. The warranty applies to the original retail customer and is not transferable. Please contact PowerSports Audio for all warranty claims. Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at PowerSports Audio's sole discretion. PowerSports Audio complete warranty policy is available on our website at www.hogtunes.com/warranty.html

What Is Not Covered:

- 1) Any expense related to the removal or re-installation of PowerSports Audio products.
- 2) Repairs to these products performed by anyone other than PowerSports Audio.
- 3) Subsequent damage to any other components.
- 4) Any product purchased from a non-authorized PowerSports Audio dealer.
- 5) Damage to PowerSports Audio products due to an accident or collision.
- 6) PowerSports Audio Amplifiers with broken or removed "warranty void" stickers.
- 7) Damage due to water from custom installations.
- 8) Damage from incorrect installation, improper use, abuse or modifications.
- 9) Damage to inbound product due to improper packing.

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Metrix Audio products will play much louder than the original equipment, which can be a distraction to the rider and/or passenger. Please use caution when adjusting, or playing your stereo at high volume, especially in traffic.

You are a valued customer so please:

**Ride Alert
Arrive Alive!**

www.metrixaudio.com