

Calibration of AVMS 360° Systems (Kit # AVMS-3699)

Please read thoroughly before starting installation and check that kit contents are complete.

Items Included in the Kit:

Calibration Programmer
Wire Harness
SD Card
2 Calibration Banners
USB flash drive w/calibration software

Tools & Supplies Needed:

Windows computer
Computer must have SD card reader or
SD card to USB adaptor

Safety Precautions:

- Work in well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which are in good repair.
- Only perform this task if confidence, skill, and physical ability permit.

NOTE: We strive to provide accurate and up-to-date installation instructions. For the latest full color instructions, as well as an installation video, please visit www.brandmotion.com

1. Make sure all 4 cameras have a good view of the ground and about 10% of the vehicle is shown in the picture. Check with the installed system by pressing the image button to change views.
2. Move the vehicle to a flat open area.
3. Plug the programmer into the calibration port on the 360° module.

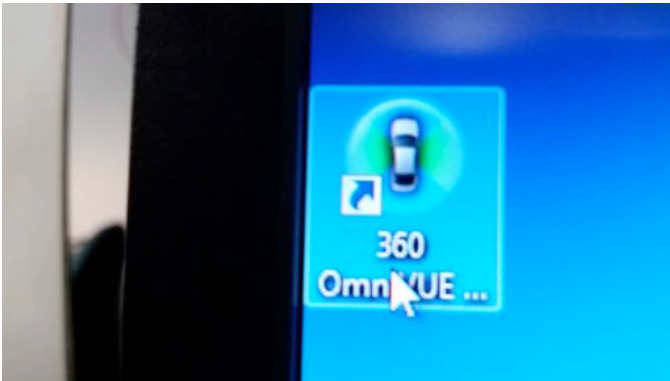


4. Insert the SD card into the programmer.

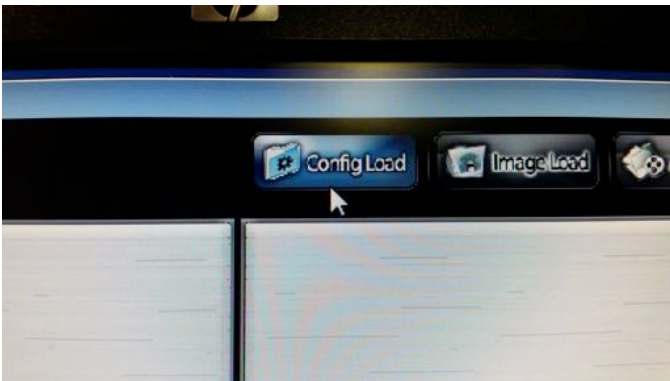
5. Lay out (1) of the calibration banners in front of the vehicle.
6. Lay the 2nd calibration banner in the rear of the vehicle. About 6-12 inches from the edge of the bumpers.
7. Check to see if the banners are visible from all (4) cameras by pressing the 360°/image button.
8. Use the 360°/image button to take a picture of all (4) cameras by pressing the button for 6 seconds and releasing.



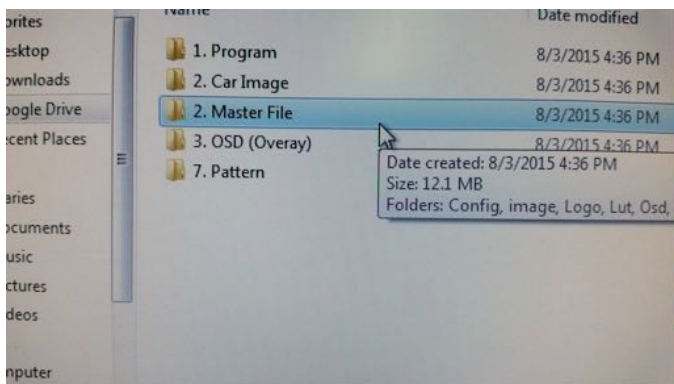
9. Remove the SD card.
10. On the computer, insert the USB drive and load the software. Double click Program and then double click the setup file.
11. Click on desk top file 360 OmniVUE.



12. Insert the SD card from the programmer.
13. At the top of the screen go to Config Load.

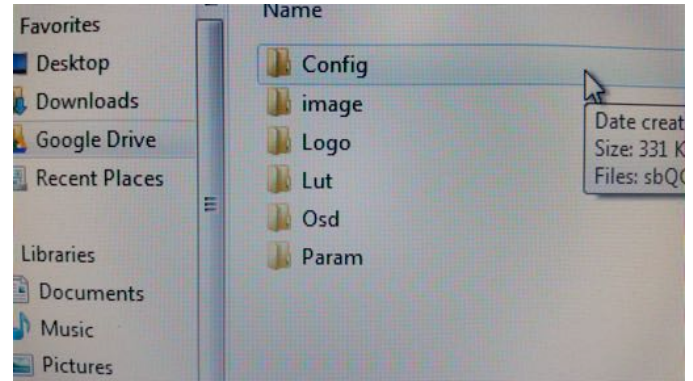


14. Then in drop down menu choose Master File.

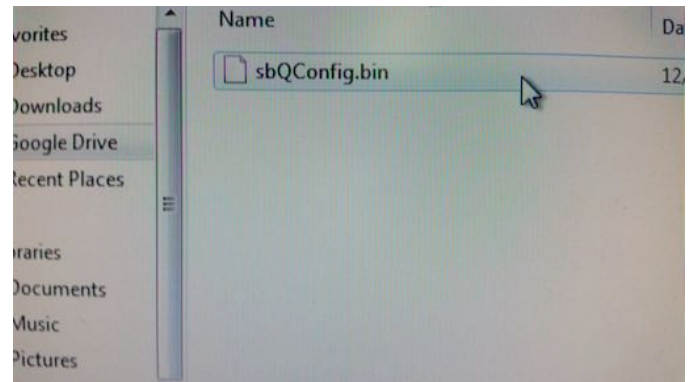


INSTALLATION INSTRUCTIONS

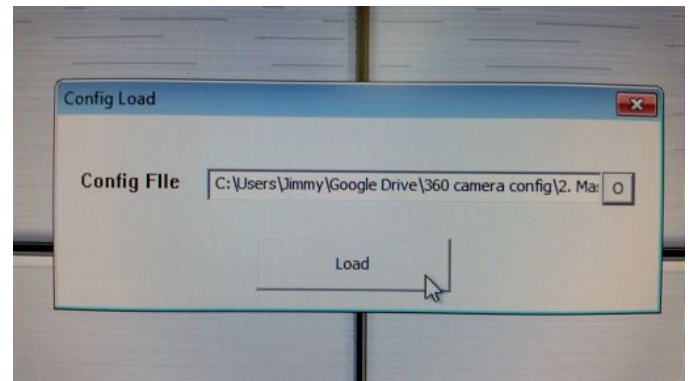
15. Then Config.



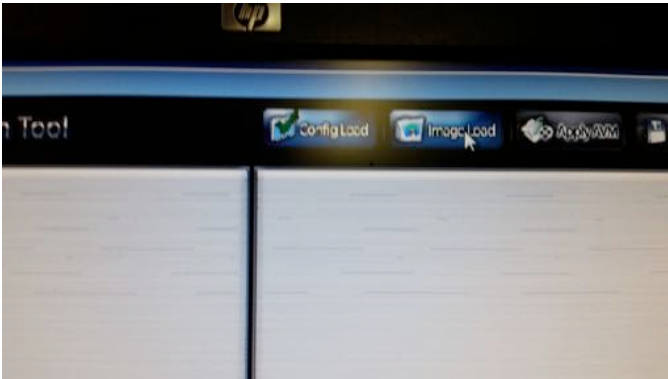
16. Then sbQConfig.bin



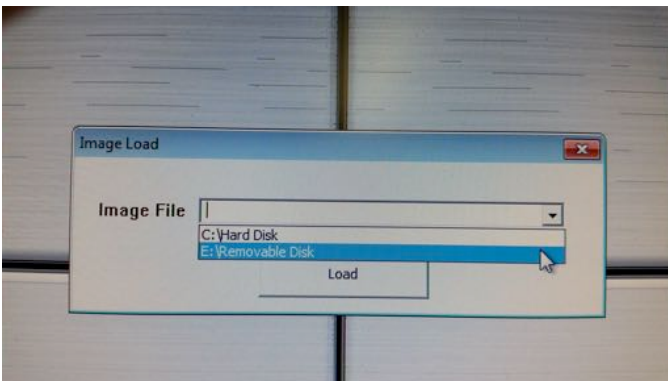
17. Then click Load.



18. Next at the top of the screen go to Image Load.



19. In drop down menu choose Removable Disk.

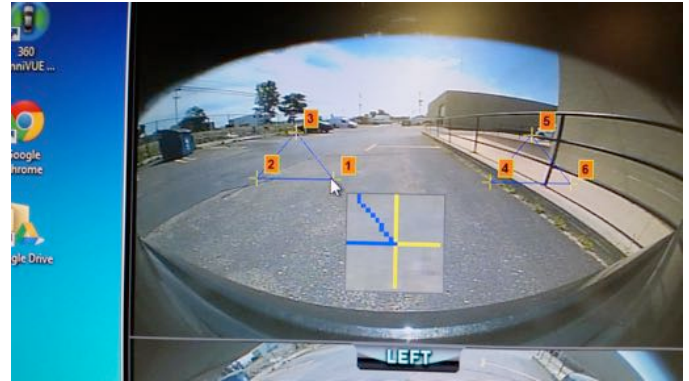


20. It will then load the (4) camera images that the programmer recorded.

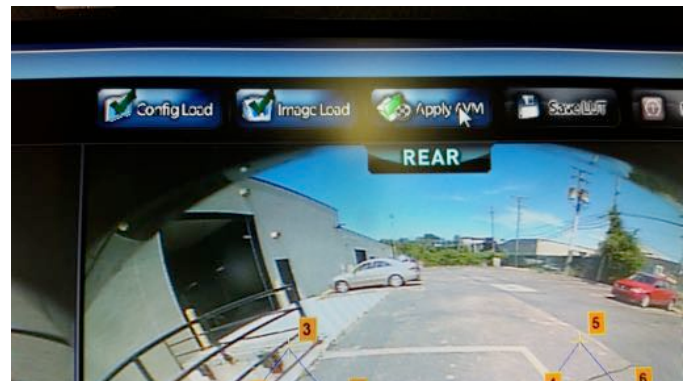


INSTALLATION INSTRUCTIONS

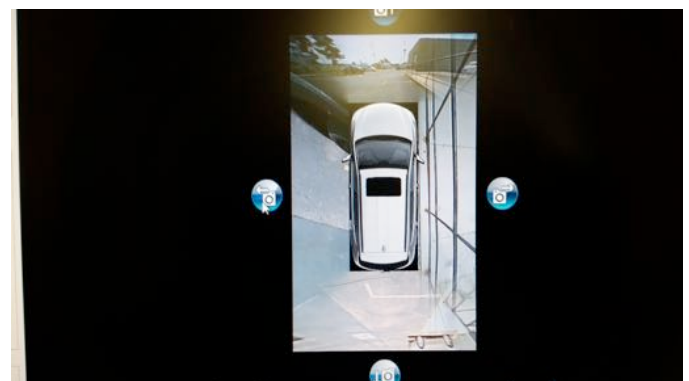
21. Move the points of the triangles to match up on the banners. The more accurate the better. (There are no banners in the pictures, pictures are for instructions only).



22. After done click on Apply AVM at the top of the screen.

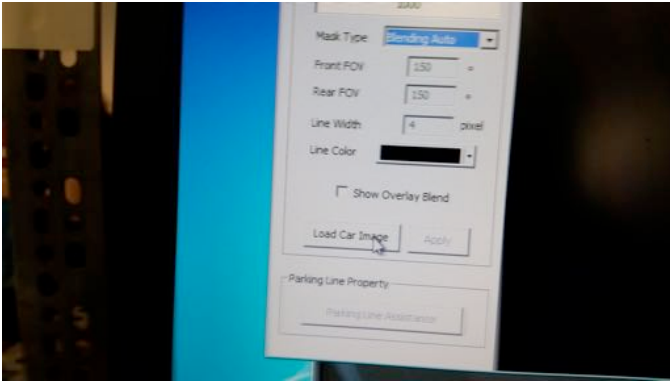


23. Move the car image to center in in the stitched images, by using the side arrows on the screen. Click on apply when done.

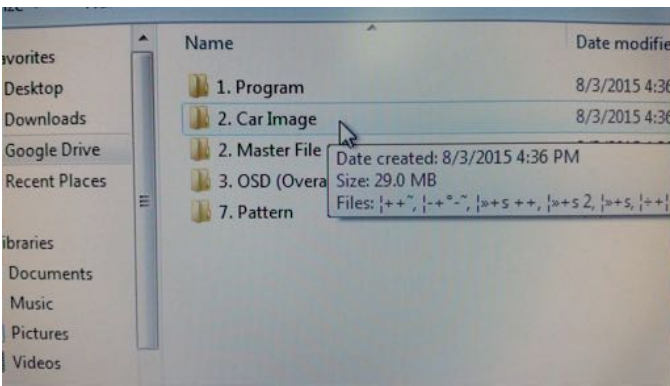


INSTALLATION INSTRUCTIONS

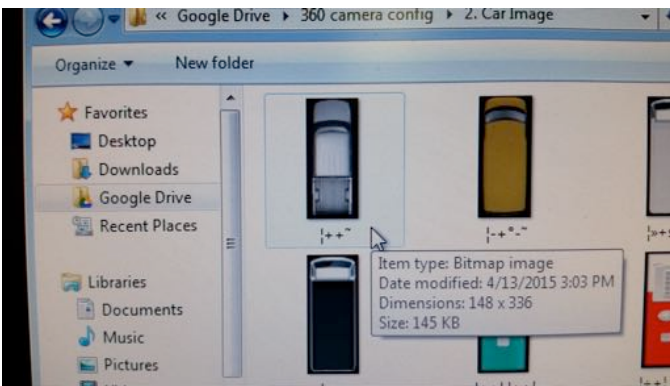
24. To change the car image change the Masked Type to Blending Auto and click on Load Car Image.



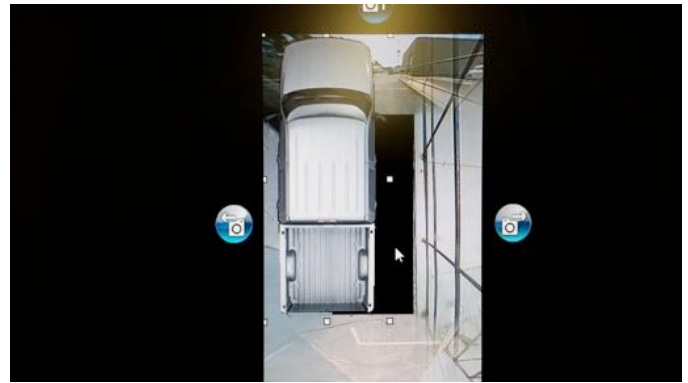
25. Choose Car Image.



26. Then choose vehicle type image.



27. Realign car image on picture.

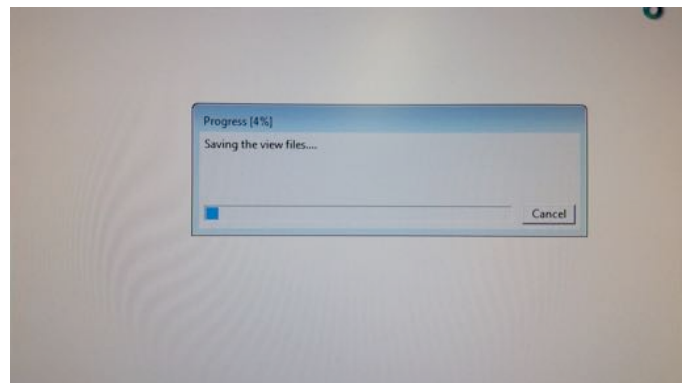


28. Next click on Save LUT at top of screen.

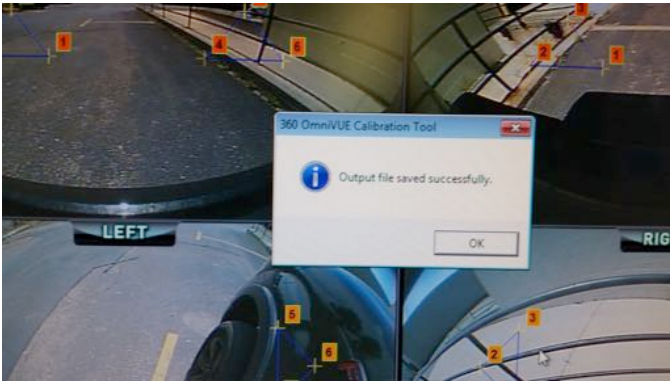


29. In the drop down menu choose Removable Disk.

30. Then click Save.



31. You will get a message, Output file saved successfully.



32. Next click Exit at the top of the screen.

33. Reinsert the SD card into the programmer.

34. Turn the vehicle ignition on,

A If using a factory screen, press the 360° one time to turn on system. Then temporarily ground the *red* wire in the harness on the key box for 4 seconds then release. (*This wire may be in the harness and you will have to cut the insulation back to access it*). The images will start to load. (*Make sure the vehicle is not in reverse.*)

B If you are using a mirror or after market display. Press the power button on the Key Box. Press the power button on the Key Box for 4 seconds then release. The images will start to load. (*Make sure the vehicle is not in reverse.*)

35. After all the images load unplug the programmer from the 360° module.

36. Press the image button to see all the images and the stitching of the 360° view.

37. If all images are correct, cleanup wiring and reassemble vehicle.

38. Fold up calibration banners and box up with programmer, SD card, wire harness and USB drive.