

# AirPro Auggie

## Detailed Set Up Guide



**Auggie Assist- Direct Line 904-990-1122**



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These instructions will guide you through setting up the AUGGIE onto the vehicle and initiating calibration of the forward-facing camera.

## **WARNING**

*DO NOT EVER STAND OR SIT ON THE AUGGIE CASE, INJURY AND/OR DAMAGE TO THE CASE AND/OR THE VEHICLE MAY RESULT.*

## **CAUTION**

*DO NOT EVER PLACE AUGGIE WITH THE LEGS ON THE GROUND. THIS MAY RESULT IN DIRT AND DEBRIS BECOMING LODGED IN THE FEET. DAMAGE TO THE VEHICLE PAINT AND/OR THE WINDSHIELD MAY RESULT.*

## **NOTE**

*TO ENSURE THE VEHICLE MODULES HAVE SUFFICIENT POWER TO FULLY FUNCTION DURING A CALIBRATION, VEHICLE MANUFACTURERS RECOMMEND THAT A BATTERY MAINTAINER BE USED DURING THE ENTIRE CALIBRATION PROCESS.*

## **NOTE**

*SHOULD THE AUGGIE BE DROPPED OR KNOCKED OFF THE VEHICLE, CONTACT THE AUGGIE SUPPORT LINE TO PROVIDE DETAILS AND RECEIVE ANY REQUIRED FURTHER ACTIONS NEEDED TO ENSURE THE AUGGIE IS FUNCTIONING WITHIN SPECIFICATIONS.*

## **NOTE**

*INTERNET SPEED MINIMUM REQUIREMENTS ARE 10 MBPS DOWNLOAD, 4 MBPS UPLOAD, AND UNDER 200 M/S PING.*

## **Items Included with your Auggie (in the Case):**

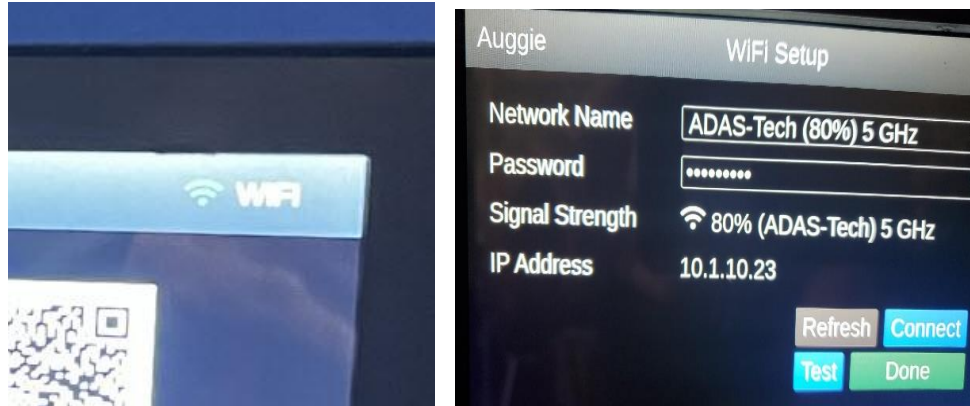
- Auggie
- Vehicle Protection Mat
- Auggie Cover Shroud
- 2 Foot Level
- Microfiber Towel
- Instructions Package
- Windshield Sun Visor w/Case
- Inclinator w/Case
- Retractable Cloth Tape Measure
- Battery Charger
- Retractable Suction Cup/Cable Assembly
- (2) Plastic Clip Suction Cups
- (2) Li-ion 14.4V 7800mAh Battery Pack
- (2) Yaw/Roll ArUco Marker
- (2) Camera Distance ArUco Marker

# Setting up and Using the Auggie

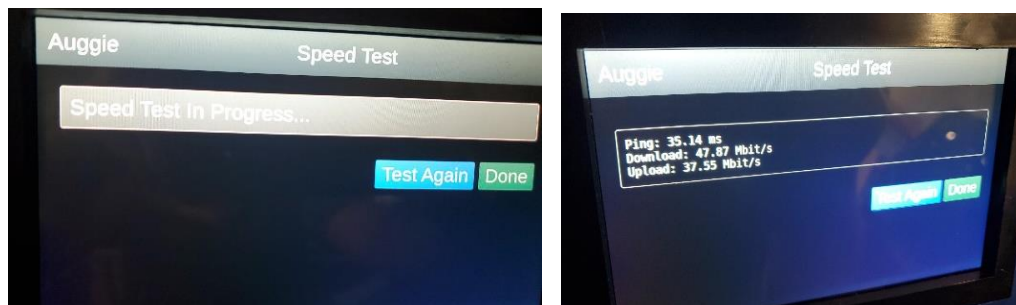
## ----- Installation -----

### A. Auggie Pre-Calibration Requirements

1. Connect Auggie to Wi-Fi (if not already connected to desired network) using the side screen display, touch the Wi-Fi icon, select Network Name and push Connect.



- a.
  - b. After you have connected to your desired network push Done.
2. Validate your internet connection and speed by selecting Test on the side screen.
    - a. Minimum requirements are 10 Mbps download, 4 Mbps upload, and 200 m/s ping



- b.
3. Ensure the vehicle is ADAS calibration ready.
  4. Complete all pre-calibration requirements stated by OEM.
  5. Do not sit in or jostle the vehicle at any time during calibration.
  6. Ensure wheels are in the straight position.
  7. OEMs recommend you utilize a battery maintainer during calibration process.
  8. Clean Windshield/ Auggie Components with Isopropyl Alcohol (as Required)
  9. Ensure wipers are off
    - a. Auto wipers may go off while Auggie is on causing damage.
  10. Perform pre-scan of camera module with your scan tool.

## **B. Auggie Set Up Instructions- Steps**

### **1. Opening the Auggie Case**

- Open the case and place the Blue Fender cover on the driver's side front fender.
- Place the Black Shroud on the roof of the car.
- Pull the Auggie out of the case, turn 90 degrees and rest on top of the foam inside the open case.

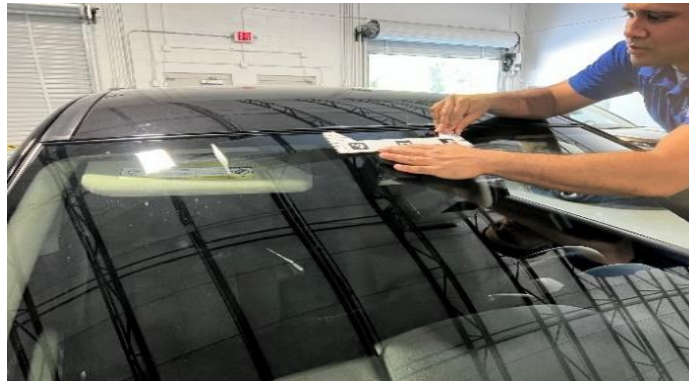
### **2. Power Auggie using round button located on the back of the tool**

- Button will latch in the recessed position.
- Blue ring around the button will illuminate indicating power is on.



### **3. Install Top Yaw/Roll Marker (aRuco Marker)**

- Ensure Yaw/Roll Marker is completely flat on the windshield.
- Ensure Yaw/Roll Marker is level to the roof line.
- Use the numbered lines on the marker to verify the marker is even on both sides to the top of the windshield.
- Ensure Yaw/Roll Marker is centered on the windshield (must be centered on Windshield +/-1" to vehicle centerline). Measure the center of the windshield, if necessary, using the tape measure provided in the kit.

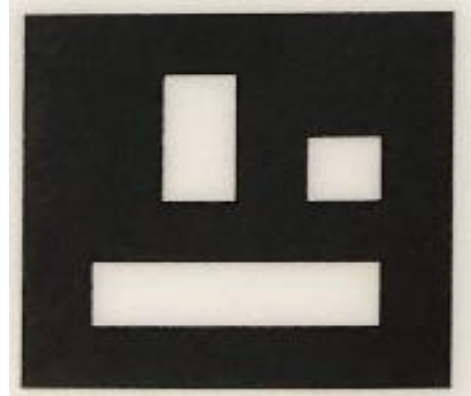


#### 4. Install the Bottom Camera Distance Marker (aRuco Marker)

- Center the marker over the camera lens



- Ensure this symbol is in the bottom driver's side position





## 5. Install Suction Cup Assembly

- Remove cup covers and inspect suction cup assembly for damaged cable or damaged rubber cups.
- Loosen cable lock on the driver's side suction cup.
- Install the small suction cup on the top corner of the passenger side windshield approximately 1" from the top corner and 1" from the side.
- Angle the suction cup assembly cable to the bottom of the glass, approximately in the direction of the VIN label or 45 degrees downward.
- Pump until red line on pump button IS NOT visible.



- Pull the T handle along the cable with the driver side suction cup to the driver's side of the windshield.
- Install driver side suction cup approximately 1" from the top corner and 1" side of the windshield while angling the Suction Cup Assembly cable 45 degrees downward towards the hood.
- Pump until red line on pump button IS NOT visible.
- Tighten the cable lock.



## 6. Measure Windshield Angle

- Place level on floor centered on vehicle camera



- Place inclinometer on level and hold zero button until zeroed.



- Place inclinometer on upper ArUco marker as seen in the picture below.



- Record windshield angle someplace you can reference later (if needed)

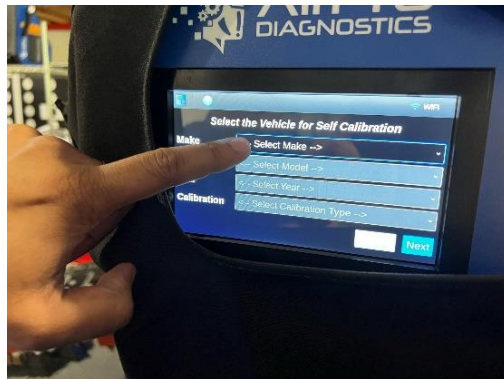


## 7. From the Auggie Side Panel, select the correct option for your Calibration:

- Assisted Calibration (AirPro/ Auggie or A/M Scan Tool/Auggie)
- Self-Guided Calibration (A/M Scan Tool/Auggie with Self-Guided activated on Tool)



## 8. Enter vehicle information and select Next:



## 9. Enter in the LAST five digits of the vehicle VIN and select Next (Self-Guided Only):

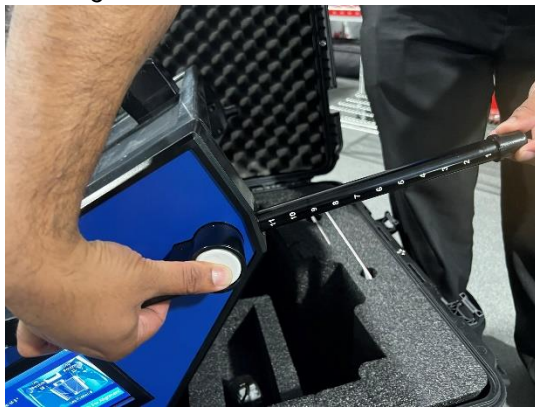


**10. The leg lengths for your Year/Make/Model Vehicle will be Displayed on the Side Screen:**



**11. Setting Leg Lengths on your Auggie:**

- Push the white button (front legs) and snap each leg into place with the correct position (from above diagram on side screen). The number of leg length should show at the top of each leg.



- Pull the lever (rear leg) and lock it into place with the correct # showing at the top of the rear leg.
- Note- The leg length may be different from the driver to the passenger side based on vehicle's camera offset (if applicable).

## 12. Place Auggie onto windshield near A-pillar

- Loosen cable lock on the Suction Cup Assembly
- Place Auggie on windshield, positioning the top 2 legs towards the windshield markers, holding the Auggie with your left hand.



- Pull the T-Handle on the cable with your right hand over the top handle on Auggie and place cable around the top handle where there is a metal slot on the back of that handle.
- Pull the T-Handle back towards the driver's side suction cup.
- Slide the Auggie up the windshield, with front legs around the markers, position in the center of the windshield and to estimated position over the camera.
- Tighten Cable Lock



- Make sure you do not disturb the position of the windshield markers.
- Reposition markers if disturbed.

### 13. Install Black Shroud/Auggie Cover

- Place the Black Shroud over the Auggie, positioned so the 3 rods sewn in the shroud are on the roof of the vehicle.



- Slide the 2 “wings” of the shroud under the cable on both sides.



- The large opening on the shroud should be positioned on the driver’s side of the vehicle and over the touch screen on the side of the Auggie.
- Velcro the back of the shroud together.
- Make sure the shroud lays as flat as possible around the edges, to minimize light penetrating the sides. Important: Cover must enclose Auggie as best as possible to ensure successful calibration.

- If there is excessive sun/light shining into the vehicle, use the sun visor(s) provided in the Auggie kit, to reduce light inside the vehicle.



#### 14. Ready for Alignment/ Making Final Adjustments

- Press "Ready for Alignment" Button.
- Using the side screen adjust the Auggie into place.
- Align the Red Reticle over camera lens by slowly sliding the Auggie (up/down/left/right) until the camera lens is centered inside the Reticle.



- Once the red reticle is aligned over the camera lens, lock the suction cup assembly in place by tightening the cable lock on the driver's side suction cup.





- Gently move the Auggie to adjust Roll and Yaw. The Yaw is adjusted by holding the top right leg stationary and by sliding the bottom leg sideways in small movements. It is best to move the leg and then wait for the Yaw reading to stabilize on the screen.
- The Roll is adjusted by holding the bottom leg with your left hand and gently pushing/pulling the top leg (Push leg slightly towards the passenger side to fix positive and pull to driver's side to fix negative). After Adjusting Roll close to zero, if yaw is out of specification, the roll can be re-adjusted slightly away from zero, to move Yaw into allowable range.
- Yaw and Roll will turn green when they are within tolerance and the "Ready" button will become clickable but attempt to get each as close to zero as possible.
  - ✓ **Roll tolerance: +/- 1°**
  - ✓ **Yaw tolerance: +/- 1.5°**
- Verify Auggie is in the proper position by pushing "Ready".

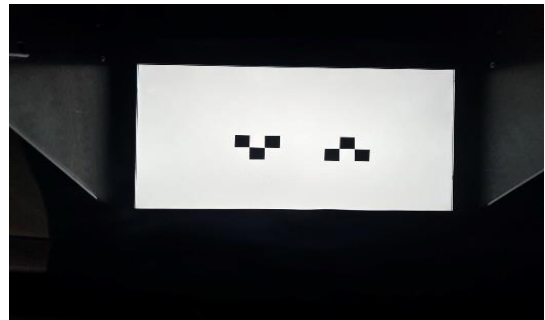
## 15. Initiate the Calibration

- For a Self-Guided Calibration continue with your calibration tool.
- For an Assisted Calibration, request the scan using the AirPro scan tool/Or through the AirPro Companion App.

**NOTE: THE FOLLOWING STEPS ARE FOR SELF GUIDED CALIBRATIONS ONLY**

## 16. Perform the following steps to initiate and complete the calibration.

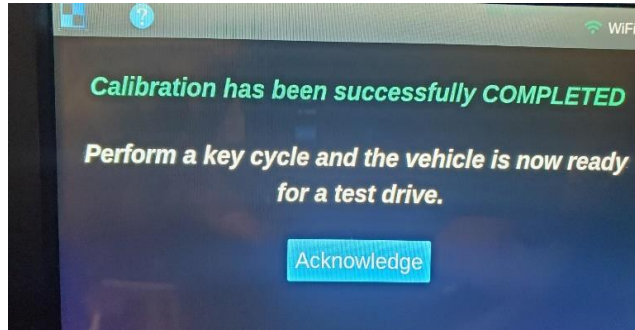
- Use Auggie to display the target by selecting "Send Target".
- If there are sequential targets, you will cycle through them by clicking "Next Target" when prompted by the A/M Scan Tool.



- Perform "Key Cycle"



- Press "Acknowledge" after the Calibration is completed. This will end the session.



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- Test drive vehicle to "Confirm the Calibration" once the Calibration has successfully completed.

## -----Auggie Tear Down after Calibration-----

### ----- Removal -----

1. Remove Shroud (cover) from Auggie
2. Remove ArUco markers from windshield
3. Loosen cable lock on suction cup assembly and remove the cable from the Auggie
4. Remove Auggie from the windshield
5. Turn Auggie off
  - a. Push orange colored "Power" icon in the lower right corner of the side screen.
  - b. Once the side screen goes black, push the power button on the back of the Auggie.
6. Remove the driver side suction cup from the driver side.
7. Remove passenger side suction cup
8. Replace protective covers on the suction cups
9. Remove battery and charge at the end of each workday
10. Store Auggie and associated parts in storage case
  - a. There are instructions that explain the repackaging process in the work instructions provided
11. Inventory Auggie
  - a. Case
  - b. Vehicle Protection Mat
  - c. Auggie Cover
  - d. 2 Foot Level
  - e. Microfiber Towel
  - f. Instructions Package
  - g. Windshield Sun Visor w/Case
  - h. Inclinometer w/Case
  - i. Retractable Cloth Tape Measure
  - j. Battery Charger
  - k. Retractable Suction Cup/Cable Assembly
  - l. (2) Plastic Clip Suction Cups
  - m. (2) Li-ion 14.4V 7800mAh Battery Pack
  - n. Yaw/Roll ArUco Marker
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**If you need assistance, please contact Auggie Support**  
**Line: 904-990-1122**