









## Commercial 360° SurroundVUE™ System

### FLTW-3601



Recommended Tools			Difficulty Level
 Wire Strippers	 Wire Cutters	 Electrical Tape	
 Screw Driver	 Panel Removal Tool	 Zip Ties	<b>Install Time</b>
			 <b>5hr - 8hr 30m</b>
Questions? Call the Brandmotion technical support line at (734) 619-1250 or <a href="#">CLICK HERE</a>			

## Kit Contents

### Components for installing the *FLTW-3601*



#### **Kit Contents:**

1x Display Monitor

4x Cameras

7x Camera Cables

1x Power/Camera Input Harnesses

1x Monitor Housing

1x USB Extension

1x Rotary Dial

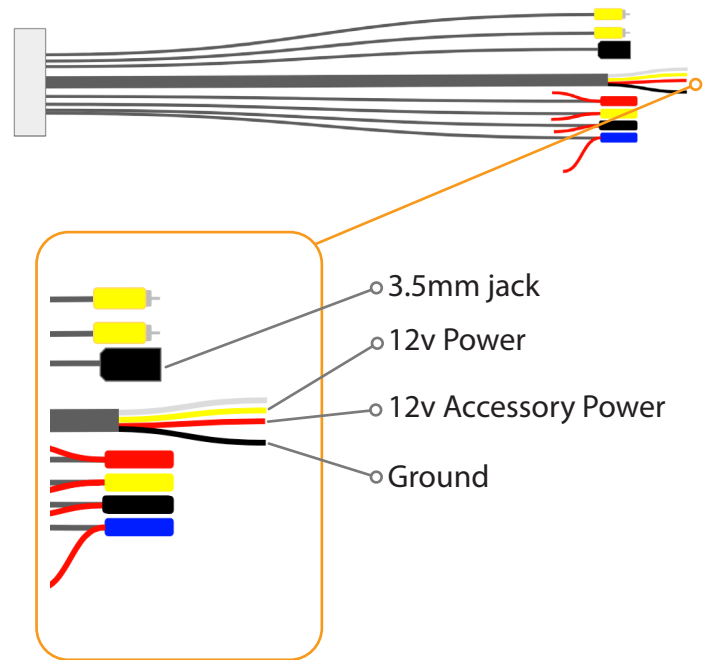
1x Misc Install Supplies

## Setting up Head Unit and 360°

### Part 1

### Wiring the 360 Harness

1. On the monitor harness, connect 12v constant power (yellow), Ground (black), and Accessory (red) to vehicle wiring. White is not used.
2. RCA is available for AHD video output from what is on the display.
3. Plug in Dial Remote Receiver into the 3.5mm jack.
4. Plug the White Connector into the side of the monitor.

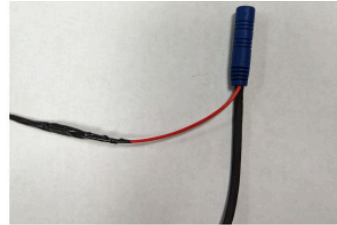


## Installing Hardware

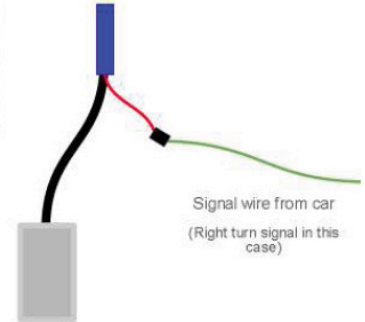
### Part 1

### Signal Wires (Left Turn, Right Turn and Reverse)

1. According to your specific vehicle, locate and tap into the reverse signal wire and left and right turn signal wires. Run leads up to where the system will be installed.
2. Connect Reverse signal and Left and Right turn signal wires to the Red wire at the end of the corresponding camera inputs for each on the Harness.



Left, right, rear connectors have a trigger wire. These are to be wired to turn signals (left and right) and reverse light signal.



### Part 2

### Mounting the Housing in the Vehicle

1. This monitor has two unique mounting options. A fan mount unit, and a threaded 1/4" mounting hole located on the bottom of the bracket.
2. Choose a desired mounting location on the dashboard to screw the Fan-Bracket in.
3. Take the monitor and slide in between the Fan-bracket so the holes on the side line up, use the provided screws to secure the monitor.
4. To use the 1/4" threaded mount, simply thread the bolt into the bottom of the monitor mount.



## Installing Hardware

### Part 3

### Cameras and Running Wires

1. Determine the desired locations for the four cameras. About 10% of the screen view should be the vehicle at the bottom part of the field of view.

Front Camera = Top of the grille  
 Left & Right Camera = Top of the vehicle at the length midpoint  
 Rear Camera = Top center of the vehicle

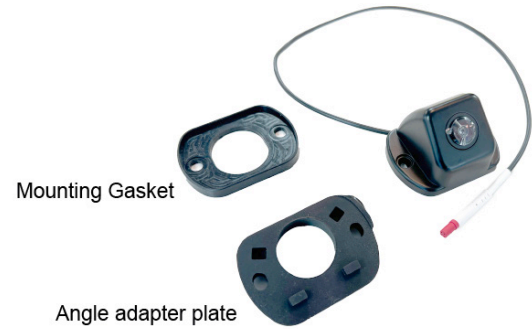
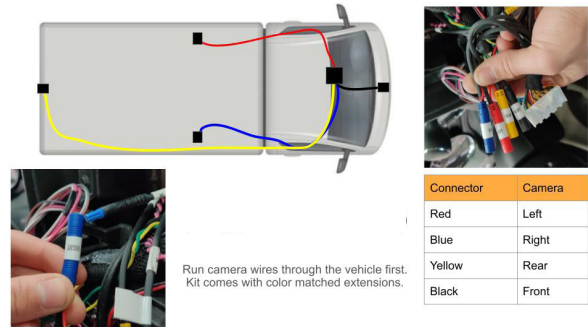
2. Run camera extension wires through the vehicle from each camera to the 360 Housing location.

Red Connector = Left Camera  
 Blue Connector = Right Camera  
 Yellow Connector = Rear Camera  
 Black Connector = Front Camera

3. Drill 1/4in hole in the vehicle at each proposed camera location to run the wire. **Note:** Check to ensure there is nothing behind your drill location and you can access the other side.

4. Run the camera wire through the drilled hole and assemble the camera & housing.  
**Note:** The camera has an angle adapter plate. To angle the camera farther down or up if needed, please place the angle adapter plate between the gasket and the camera body.

5. Mark and pre-drill the screws that will attach the camera to the vehicle body.
6. Fasten self screws through the camera body and into the mounting surface (not provided).
7. Connect each camera extension wire to Camera Harness according to color.



#### SIDE CAMERA



FRONT CAMERA

REAR CAMERA

## Installing Hardware

### Part 1

#### Preparing for Mounting (Rotary Knob)

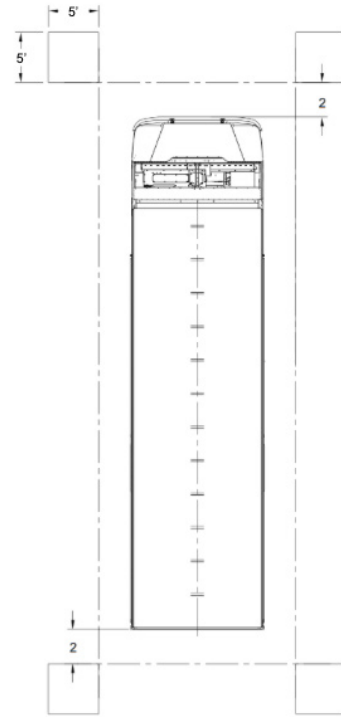
1. Clean the mounting location surface with isopropyl alcohol and attach double sided industrial tape
2. Mount the knob wherever is preferred by the driver. Note: the knob battery cover slides off, ensure the mounting orientation is such that the knob slides down onto the cover.

# Calibration

## Part 1

### Preparing for Calibration

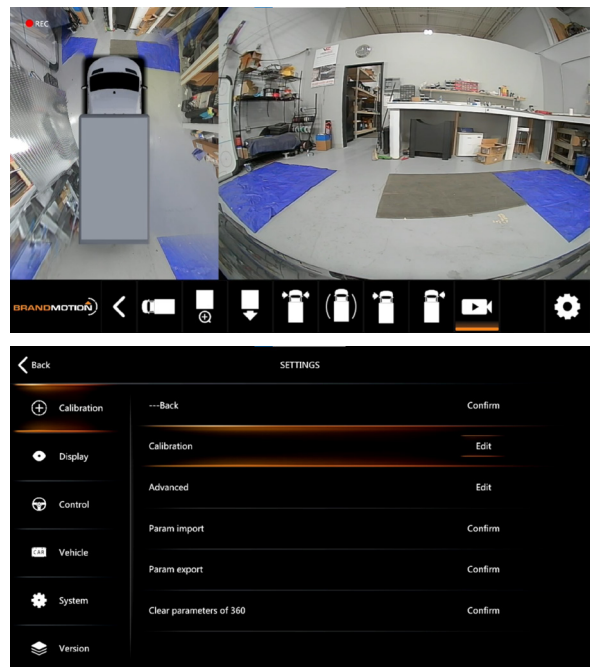
1. Use either the calibration mats, or create your own by cutting four 5' x 5' squares in a color that contrasts the floor.
2. Place a square in each corner of the vehicle about 2' from front/back and 11' apart.
3. It is required to have the mats lay flat during the calibration process to ensure an accurate reading.
4. This number is a starting baseline and is not an exact requirement.
5. They can be adjusted as needed in later steps.
6. It is important that they are in line and parallel with the vehicle.



## Part 2

### Calibration Setup

1. Tap on the rightmost arrow icon to show the gear icon.
2. Tap the gear to enter settings.
3. In the calibration menu, tap edit.



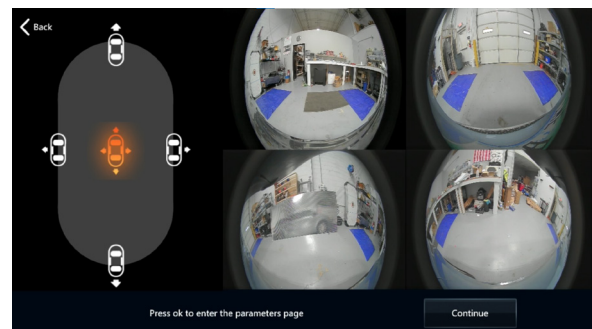
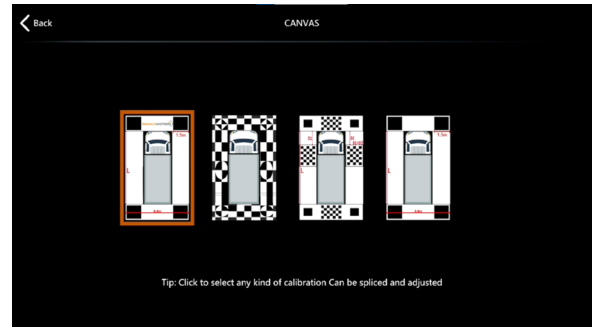


## Calibration

### Part 2

### Calibration Setup

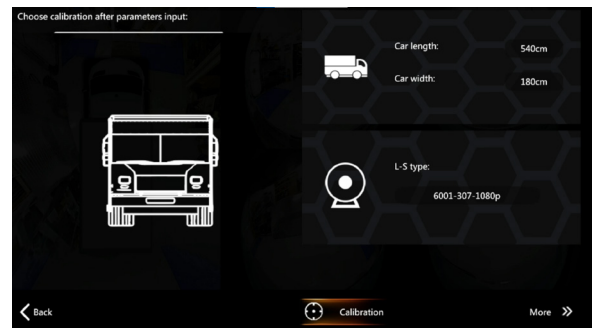
4. Tap the leftmost option showing the four squares in the corners of the vehicle.
5. Make sure you can clearly see all four corners of the squares for both squares in each camera.
6. If you cant see all the corners, move the square until you can see them. Make sure you move them uniformly.
7. Tap [Continue] when all squares are clearly visible.



### Part 3

### Vehicle Dimensions

1. Measure the vehicle length and width in cm. Enter those values into the appropriate boxes. If the length greater than 610 centimeters, divide the length and width by 1.5 and enter those values. (Length  $\div$  1.5 = New Value) and (Width  $\div$  1.5 = New Value)
2. Tap [Calibration]
3. You will now see a loading indicator for 20 seconds or less
4. The system will try to automatically find the squares. It may fail if there is not enough contrast or the background is too busy. This is okay you can manually correct it.



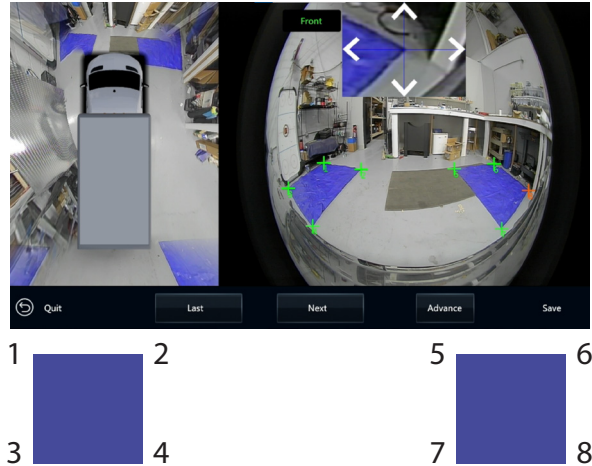


# Calibration

## Part 4

### Image Adjustments

5. Tap [OK]
6. Drag each + in the corners of the squares, making sure you follow the pattern:  
  
Upper Left, Upper Right, Lower Left, and Lower Right.
7. Repeat for each of the squares on screen to improve calibration.



## Part 4

### Image Adjustments (Optional)

1. You may see some distortion of straight lines along the left and right side of the vehicle.
2. Tap [Advance]
3. Tap on the side of the vehicle you would like to modify (left shown above)
4. Adjust the Vertical Centerpoint until the lines straighten out.
5. Do this for left and right sides.
6. To straighten the front, tap on the front of the truck and adjust L-gap and R-gap to align
7. The same can be done for the rear
8. When you have a calibration you are satisfied with, tap [Save Quit]
9. Tap [Ok]
10. The system has been calibrated.

