



Wireless Observation Camera System

with 7" HD DVR Monitor

AHDS-7810v2



Recommended Tools				Difficulty Level
 Wrench	 Wire Strippers	 Wire Cutters	 Electrical Tape	
 Screw Driver	 Panel Removal Tool	 Zip Ties	 Socket Set	Install Time
Questions? Call the Brandmotion technical support line at (734) 619-1250 or CLICK HERE				 1hr 30m - 2hr

Kit Contents

Recommended Tools	Components for installing the <i>AHDS-7810v2</i>
	

Kit Contents:

1x 7" Mointor & Cigarette Power Adapter
1x Monitor Suction Cup Mount
1x Monitor U-Bracket Mount
1x Wireless Camera & Power Harness
1x Universal Camera Bracket
1x Pre-Wired Camera Bracket

Monitor Mounting & Power

Decide which Monitor Mounting is best, Part 1a. Temporary Mounting & Part 1b. Permanent Mounting

Part 1a.

Temporary Mounting the Monitor

1. Take the suction-cup mount and loosen the top thumb screw and slide onto the back of the monitor.
2. Tighten the top of the mount at the desired location.



Part 1b.

Permanent Mounting the Monitor

1. Choose a desired mounting location on the dashboard to screw the U-Bracket in.
2. Take the monitor and slide in between the U-bracket so the holes on the side line up, use the provided screws to secure the monitor.



Monitor Mounting & Power

Decide which Power Solution is best, Part 2a. Temporary Power & Part 2b. Permanent Power

Part 2a.

Temporary Powering the Monitor

1. Take the power cable with a cigarette adapter and plug into the monitor cable and the cigarette outlet. Make sure to route the wire that will not interfere with any operation of the vehicle.



Part 2b.

Permanant Powering the Monitor

1. Using the power harness with the cigarette lighter plug, cut the plug off of the harness and discard the plug
2. Connect the red wire to the accessory and the black wire to ground.



Camera Mounting & Power

Identify if your trailer is pre-wired for a wireless camera i.e Furion. If so, use the adapter mounting plate and power adapter (Part 1). If not, use the universal mount and power harness (Part 2).

Part 1

Per-Wire Camera Power Connections and Mounting

1. Locate the per-wire housing mounted to the rear of the trailer.
2. Remove the 4 tiny Phillips screws holding the square cover plate on. Discard the cover plate, but **Keep the screws for a later step.**
3. Inside the housing, there should be a 3.5mm connector. Plug in the supplied power adaptor and tape connection.
4. Attach the adaptor mounting bracket to the back of the camera supplied in the kit to the back of the camera by using the 4 small black Phillips screws supplied in the kit.
5. Plug the power connection of the camera into the power adaptor connected in step 3. Tape the connector.
6. Push all the extra wire slack into the hole that is in the housing where the power wire is coming from.
7. Attach the antenna to the camera.
8. Aline the mounting plate to the 4 holes in the housing. Attach the mounting plate with the 4 screws removed in step 2. Be careful not to over-tighten the screws.
9. Test the camera with the monitor by turning on the parking light of the vehicle to supply power to the camera.
10. If the camera does not show on any channel follow the instructions for connecting additional cameras.



Camera Mounting & Power

Part 2

Universal Camera Power Connection and Mounting

1. Remove the rear center top marker light so the wiring is exposed.
2. Splice the power harness into the power & ground wires that are connected to the light.
3. Feel inside the hole where the light power wires are coming through to find out where the "stud" of the trailer wall is to see where you can drill a hole to run the power connector of the harness through for the camera. (If the stud is next to the power wire hole, drill a ½ inch hole under the center marker light. If the stud is under the power wire hole, drill a ½ inch hole next to the center light between the center and right side marker light.
4. Run the connector or the camera power harness through the hole just drilled.
5. Reinstall the light that was removed in step 1. Make sure the base plate of the light is sealed to the trailer wall to prevent water from entering.
6. Connect the universal mounting plate to the back of the camera by using the 4 small black Phillips screws.
7. Connect the power harness to the camera. Tape the connector to make sure it does not come unplugged.



Camera Mounting & Power

Part 2

Universal Camera Power Connection and Mounting Cont.

1. Connect the power harness to the camera.
Tape the connector to make sure it does not come unplugged.
2. Push all the extra wire slack into the drilled hole, until the camera bracket touches the trailer. Mark the 4 holes to drill for mounting.
3. Pull the camera away from the trailer and drill the 4 ____ inch holes.
4. Push the wires back in the hole and seal them with silicone. Mount the camera with 4 Phillips screws that were just drilled.
5. Attach the antenna to the camera.
6. Test the camera with the monitor by turning on the parking light of the vehicle to supply power to the camera.
7. If the camera does not show on any channel follow the instructions for connecting additional cameras.



Pairing a New/Additional Camera

Part 1

Pairing New/Additional Camera

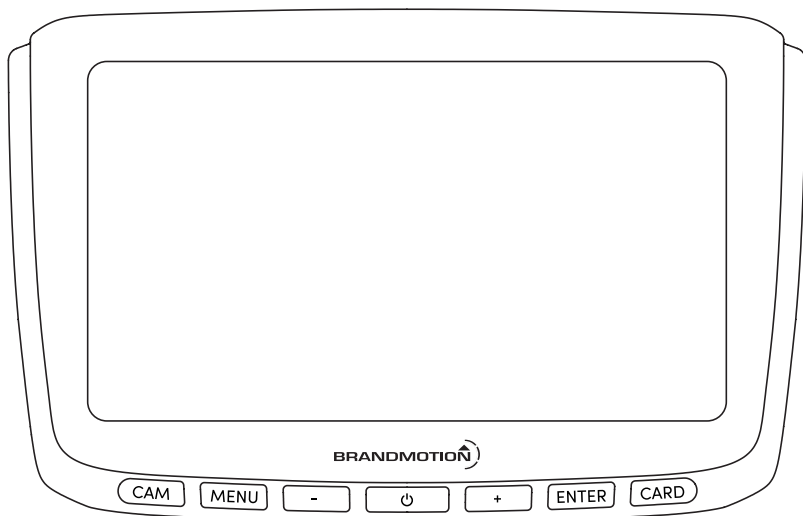
1. Follow steps outlined in Section 2: Camera Mounting & Power for mounting & connecting to power
2. Once Connected return to the monitor you wish to connect too & turn on the vehicle.
NOTE: the trailer the camera is connected to must also be powered, you only have 45 seconds to connect to the camera to the monitor once powered up.
3. Select the channel # you wish to connect too
4. Hold down the "CAM" button to begin pairing



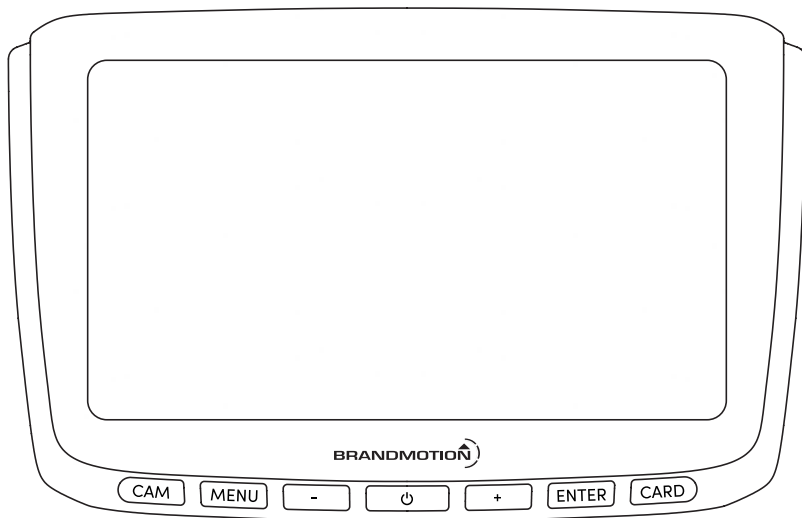
USER MANUAL

AHDS-7810v2

Wireless HD Observation System



Wireless Monitor - Controls



CAM:

- **Press** to cycle between 5 camera views (CH 1, CH 2, CH 3, CH4, and SPLIT SCREEN)
- **Press and Hold** to enter "PAIRING MODE" to pair the wireless camera



- **Press** to turn the monitor on/off

MENU:

- **Press** to open the Menu Screen
- **Press** within menu screens to go back

ENTER:

- **Press** within menu screens to open selections

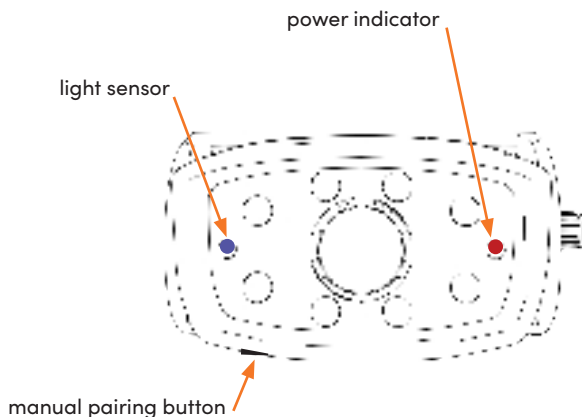
- / +:

- **Press** to decrease brightness on the camera screen
- **Press** to move selection to the left (-), and right (+) within menu screens

CARD:

- **Press** from the camera screen to open the SD Card menu

Wireless Camera - Pairing



Single Camera Pairing:

*Note: Once the camera is powered, you will have **45 seconds** to initialize the pairing process.*

1. Power both the monitor and camera on. To check if the camera is properly powered, look for the RED light on the camera body.
2. Cycle the CAM button until you are on the specific channel you wish to pair the camera to.
3. Press and Hold the CAM button until the pairing process begins.



Multiple Camera Pairing:

1. When pairing multiple cameras, you will need to use the PAIRING BUTTON located on the bottom of the camera housing.
2. Cycle the CAM button until you are on the specific channel you wish to pair the camera to.
3. Press the MANUAL PAIRING BUTTON on the camera, then Press and Hold the CAM button on the monitor until the pairing process begins.

Recording Setup

Setting the Time/Date:

1. Press the MENU button to open the display menu options.
2. Select SYSTEM from the main menu. 
3. Select TIME and program using - / + and ENTER.



DVR Recording:

1. Insert the SD card into the side of the monitor. You can use up to a 128GB SD card.
2. Press CAM to view the input that you would like recorded.

Note: If the camera is not visible on the screen, the monitor will not capture that video input. Only active cameras are recorded.

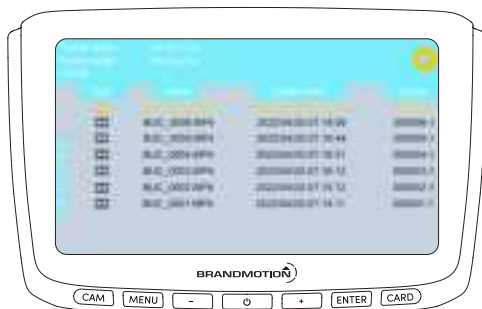
3. The monitor will automatically begin recording once an SD card is inserted into the unit.
4. For SD Card options, select RECORD from the main menu 



Viewing Recordings

Monitor Playback:

1. Press the CARD button or press the MENU and select PLAY 
2. Press ENTER to open 100MEDIA Folder to view recorded video files



Computer Playback:

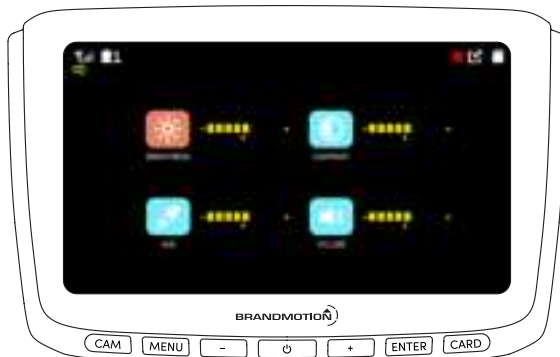
1. Remove SD card from the monitor
2. Insert the SD card into a computer
3. Use the computer's default media player to open .mp4 files

Main Menu



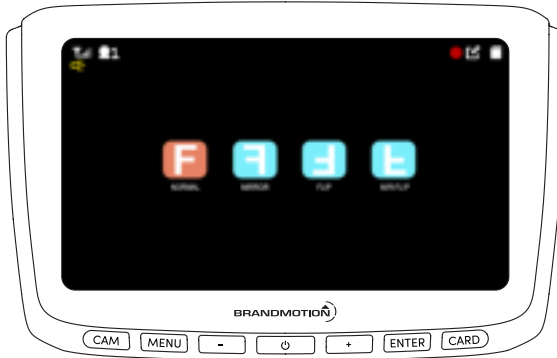
- Select the MENU button to open the Main Menu.
- You can use the - and + buttons to navigate your selection left and right. To select an option, click the ENTER button. To deselect an option or go back, click the MENU button

Picture



- Adjust various settings related to the monitor picture quality: Brightness, Hue, and Contrast
- Adjust the volume of the monitor's built in speakers

Mirror-Flip

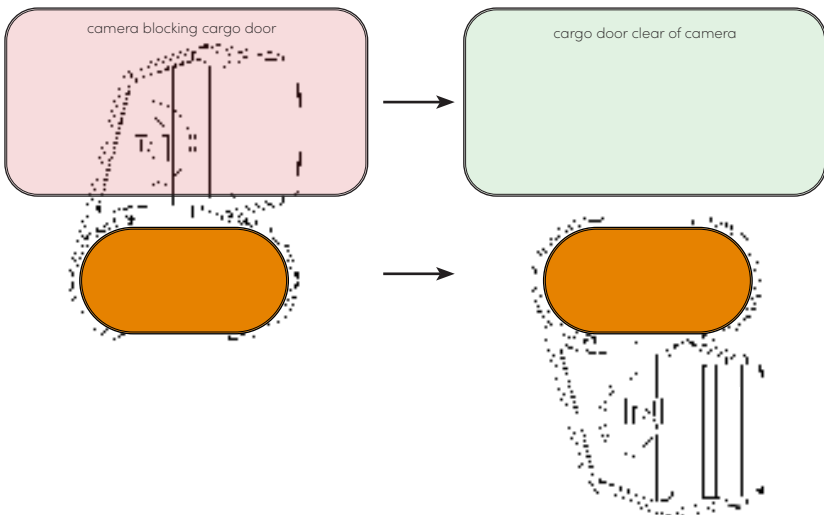


- Select multiple orientations to display the video on the monitor. This is helpful for those who have mounted their cameras in alternative orientations.

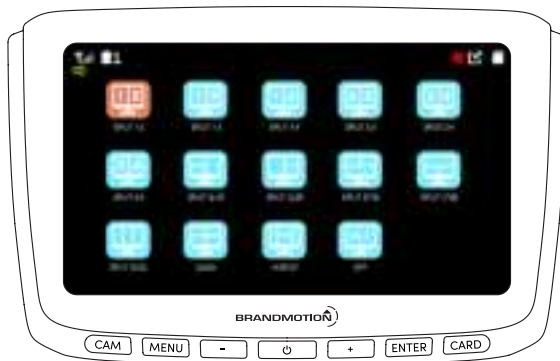
Side Marker Camera Alternative Mounting Option:

Note: This operation is only recommended for owners of the AHDS-7812 Side Marker Light Cameras that have an obstruction preventing installation of their system.

1. After pairing each camera, open the MENU and set each side marker camera view to the FLIP setting to see video in the correct orientation if side marker lights have to be mounted upside down.

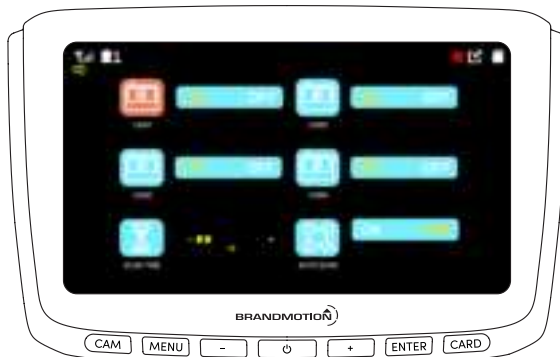


Mode

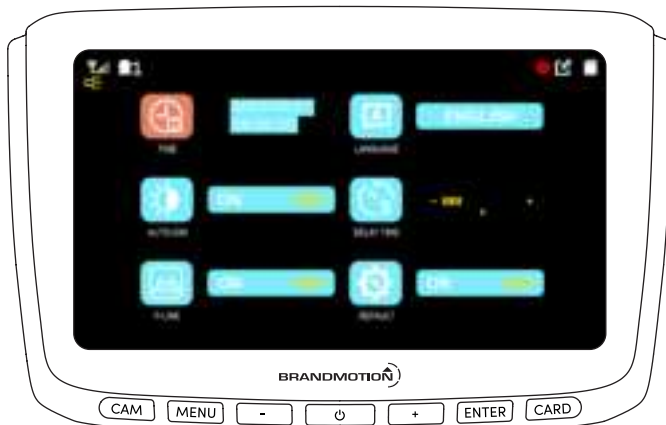


- From the Main Menu, select MODE to choose from a variety of 14 Split Screen combinations.
- The Split Screen option you select is what will be displayed as the 5th camera view when you cycle the camera input with the CAM button
- Select OFF to disable the mode input

Cam-Setup

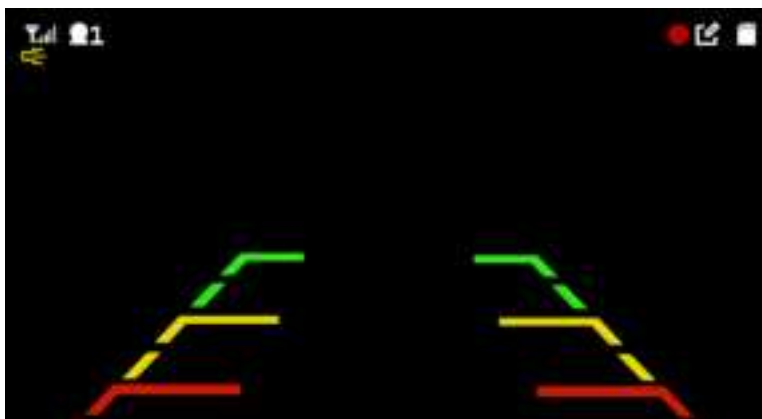


- Toggle what Camera Inputs are active when the CAM button is pressed
- Toggle AUTO SCAN to enable the monitor to automatically switch to a live camera when no signal is detected on the active input. This is useful for vehicles with cameras installed on multiple trailers.



- Toggle system settings such as Time, Language, and AUTO-DIM
- Toggle Parking Lines overlay for camera views
- Perform a Factory Reset on the monitor to restore default settings

parking lines example



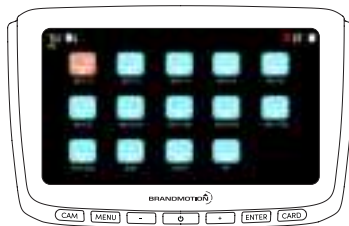
Frequently Asked Questions

Q: Will the system record with the screen off?

- No, the monitor will only record the active video being displayed on the screen. If there is no live video on the screen, there will be no data recorded.

Q: How many hours of recording will I get from a 32GB SD Card?

- When viewing a single camera, the system can record up to 50 hours of video content on a 32GB card before automatically overwriting old recordings.
- 1 Live Camera = 50 hours
- 2 Live Cameras = 25 hours
- 3 Live Cameras = 15 hours
- 4 Live Cameras = 12 Hours



Note: The monitor can support up to a 128GB SD Card

Q: How do I change what cameras I view on the split screen?

- The DVR output is a single video that shows all four cameras in their native video perspective. Menus, unique perspectives, and sound is not recorded. For more information, please see page 5.

Questions? Call the technical support line at
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COMPLETE YOUR OBSERVATION SYSTEM



AHDS-7811V2
WIRELESS HD OBSERVATION CAMERA



AHDS-7812
WIRELESS HD SIDE MARKER LIGHT CAMERAS

