

PMC-WAHD



Wireless AHD Camera and 7" Monitor Kit

User Manual



ECHOMASTER



Introduction

Thank you for purchasing your EchoMaster Wireless Back Up Camera and Monitor Kit.

EchoMaster Camera and Monitor Kits are designed to improve safety by providing Analog High Definition (AHD) camera images of the area surrounding your vehicle, meaning your maneuvering and vehicle awareness will be greatly improved.

Please ensure you read and understand all aspects of this manual before fitting or using your EchoMaster AHD camera and monitor kit.

Box Contents

- ▶ Wireless AHD Camera with 2 bracket options
- ▶ Wireless 7" AHD Monitor with Sunshade
- ▶ Dash Mount
- ▶ Power Harness
- ▶ Installation Hardware
- ▶ Optional antenna extension
- ▶ User Manual

Key Features

- ▶ 7" HD LED Display
- ▶ 720p Resolution
- ▶ 2.4 GHz Wireless Video Signal Input
- ▶ 2.4 GHz Wireless Camera
- ▶ 1/3" CMOS Sensor
- ▶ 720p AHD
- ▶ 120° Viewing Angle
- ▶ Audio (Mic)

PMC-WAHD

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Fitting Instructions

Please ensure you read these instructions fully before fitting your new EchoMaster camera and monitor kit.

Monitor:

Choose a suitable mounting location dependent on the application. This location should not interfere with the driver's normal vision of the road. Ensure that there are no wiring harnesses or hoses/pipes located behind this panel before drilling any holes.

Drill the cable entry holes, if necessary.

If the cable passes through any metal, then the hole should be protected with a suitable rubber grommet.

If using the adhesive pad to mount the bracket, ensure the mounting area is clean and free from dirt and silicone based cleaners.

Mount the monitor bracket and run the cable through the grommet.

Loosely attach the monitor to the bracket but do not tighten until the image has been checked to ensure the correct viewing angle.

Make all required connections as per the wiring diagram in this manual.



Fitting Instructions (continued)

Camera:

Choose a suitable mounting location dependent on the application. Ensure that there are no wiring harnesses or hoses/pipes located behind the mounting location before drilling.

Tape the mounting area using masking tape and then mark the mounting holes with a pen. Also, you can mark the hole for the cable entry at this time.

Center punch the mounting holes and then proceed to drill the holes.

Once all the mounting and cable entry holes have been drilled, they should be treated with a rust protectant or paint. Any cable entry holes should be protected with a suitably sized rubber grommet to protect the cable from chafing on the metal.

Mount the camera bracket and run the cable through the grommet. Loosely attach the camera to the bracket, but do not tighten until the image has been checked to ensure the correct viewing angle.

Make all wire connections as per the wiring diagram.

Power up the camera and monitor and verify/adjust image and camera angle.

Tighten the mounting bolts on both the monitor and camera.

PMC-WAHD

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Button Reference



- 1. Sunshade
- 2. Left Arrow
- 3. MENU Button
- 4. Right Arrow
- 5. POWER Button
- 6. Mirror Image

- 7. Parking Lines
- 8. Pairing Button



Operating Instructions

Power

Press the Power button to turn the monitor on or off. The monitor will automatically turn on when a video signal is present.

Menu

Press the Menu button to access the display settings.



Brightness



Contrast

Use the Left / Right Arrows to adjust.



Saturation

Mirror Image

Press to flip image vertically or horizontally.

Parking Lines

Press to turn parking lines on/off.

Pairing

Press to pair the camera and monitor together. "PAIRING" will appear on the monitor to indicate the pairing process.

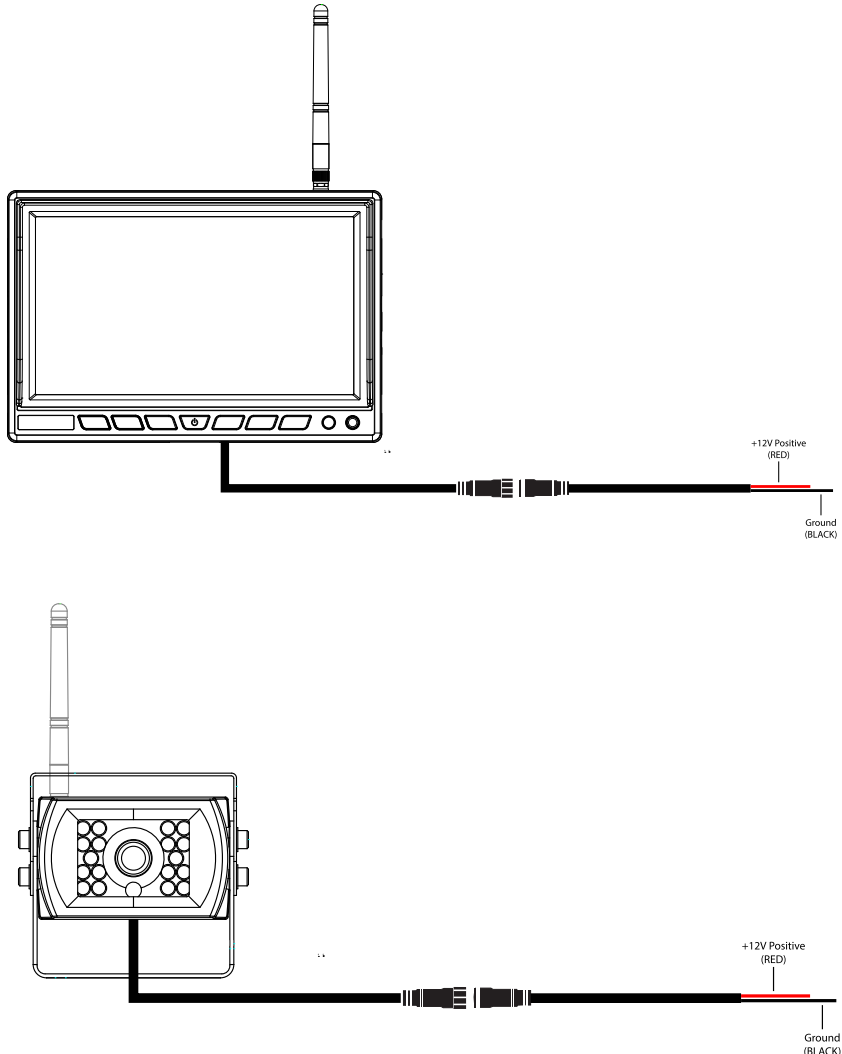
Either button on the monitor or camera cable will initiate pairing process. Signal Strength is shown on top left of display.

PMC-WAHD

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Wiring Diagram

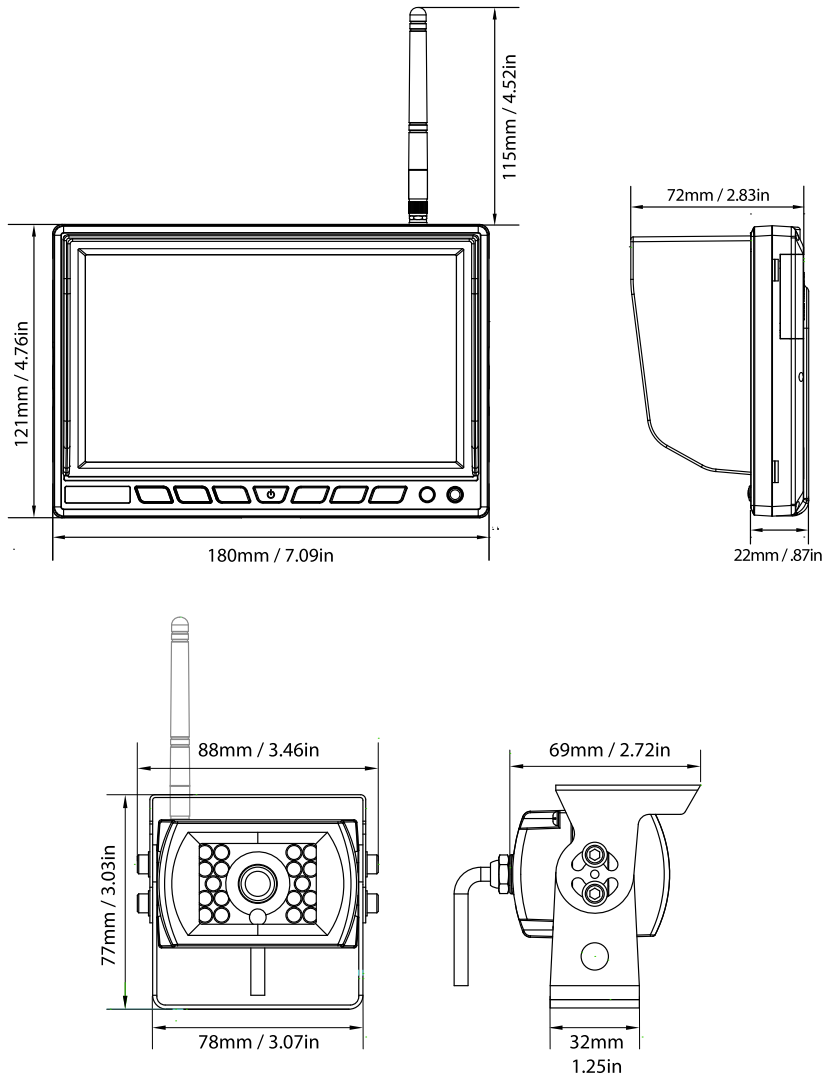


Installation Guide



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Dimensions (mm/in)



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Monitor Specifications

PMC-WAHD	
Screen Size	7"
Aspect Ratio	16:9
Power Supply	9V-24V
Resolution	1024xRGBx600
Luminance	500 cd/m2
Receiver Sensitivity	-88dBm@4MHz
Transmission Bandwidth	3Mbps
Delay Time	120ms
Wireless Video Inputs	1
Wireless Audio Inputs	1
Current Draw	<380mA
Operating Temperature	-20~+60 °C
Parking Guidelines	YES
Mirror Image	YES
Dimensions (mm/in)	180 x 121 x 22 mm 7.09 x 4.76 x .87 in



Camera Specifications

PMC-WAHD	
Sensor Type	1/3" CMOS
LEDs	18
Illumination	0 LUX
Viewing Angle (Horizontal)	120°
Mirror Image	VIA MONITOR
Parking Lines	VIA MONITOR
Water/Debris Proof	IP67
Audio	YES
Power Supply	9V-24V
Current	<110mA
Operating Temperature	-20~+60 °C
Resolution	1280x720
TV Lines	720p AHD
Dimensions	78 x 77 x 69 mm 3.07 x 3.03 x 2.72 in

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email - support@aampglobal.com (US)
tel - 866-931-8021



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www.EchoMaster.com

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