

## Universal Wireless 7" Monitor and Commercial Camera

Visit [iBEAMUSA.com](http://iBEAMUSA.com) for more detailed information about the product and up-to-date vehicle specific applications.



### Product Features

- Wireless HD camera and monitor kit
- 7" LCD Monitor
- 90 M / 300 FT range
- DC socket for monitor power with power button for easy activation

## Part Components

A) Monitor and mount    B) Camera    C) Accessories



### TABLE OF CONTENTS

Installation.....	2-3
Wireless Pairing and Settings.....	4-5
Wire Lengths .....	6
Specifications.....	7

### TOOLS REQUIRED

- Wire stripper
- Tape
- Digital Multi-meter
- Cutter

**Attention!** When testing the aftermarket equipment, ensure that all factory equipment is connected before cycling the key to ignition.

# MONITOR INSTALLATION

## Monitor install and wiring

1. Select the desired location and use the double stick tape to allow the monitor to be mounted to the dashboard (**Figure A**). Slide the desired mount onto the back of the monitor.
2. Clean the surface on which you wish to mount the monitor and mount the monitor by either the double sided tape or suction cup.
3. Plug the DC socket into the monitor and run the wire in the path shown in **Figure A** so safely hide the wire from being pulled or caught on while operating the vehicle.
4. Plug the DC socket into the socket in the vehicle. There is a button to power the monitor on/off. (**Figure B**)

**NOTE:** If your vehicle DC socket has power while the vehicle is powered down, you may need to use the button on the plug to turn off the monitor.

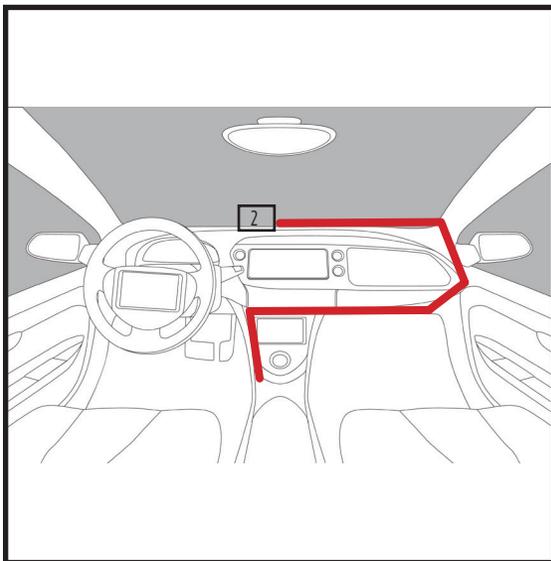


Figure A



Figure B

# CAMERA INSTALLATION

## Camera Installation

1. Mount the camera.
2. Remove the tail light from the vehicle to allow access to the light bulbs wiring. (If help is needed, review the vehicles owners manual section on replacing the tail light bulbs.) (Figure A)
3. Find the wiring that connects to the reverse bulb. There is normally 2 wires. (Figure B) Strip the insulation to expose the copper wire.
4. Using a Digital Multi-meter on the DC Voltage setting, to verify the reverse wire. (Figure C)
5. Connect the wires from the camera
  - Connect the **RED** wire to reverse, either found at the taillight or another source for reverse.
  - Connect the **BLACK** wire to chassis ground.

NOTE: The camera can also be powered on the ignition wire if the user desires it to be on while the vehicle is running.

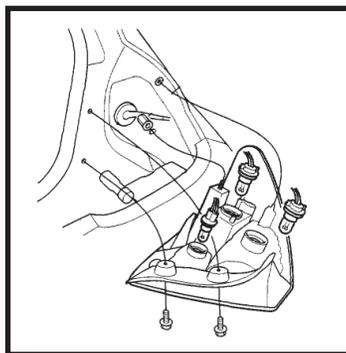


Figure A

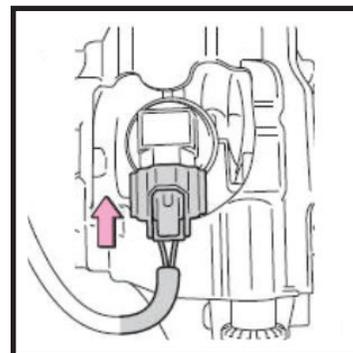


Figure B

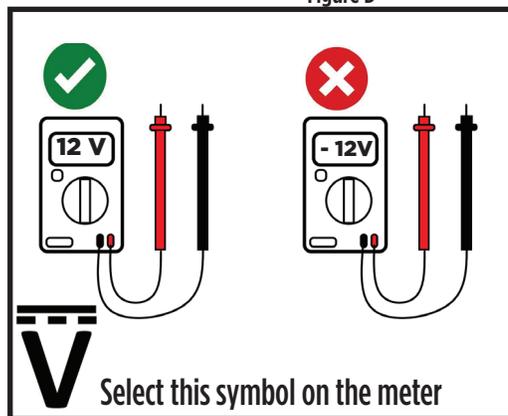


Figure C

# WIRELESS PAIRING AND SETTINGS

## Monitor to Camera pairing

1. Before operation, the camera and monitor need to be paired to each other. Start by connecting power to both devices. If camera is connected to reverse, the vehicle must be put into the reverse gear. **NOTE: Please activate parking brake while pairing for safety.**
2. Once both devices are powered, Press the MENU button on the monitor and then choose the **PAIRING** selection. Then press the **AV1/AV2** button to begin **PAIRING**.
3. Once the pairing has happened, the camera image will appear. The camera and monitor are now paired. Cycle key and test the camera/monitor.

## Reversing/flipping the image

1. Press the MENU button to enter into the settings menu, use the + and - buttons to navigate to the camera icon. Press "AV1/AV2" button to enter setting.
2. Using the + and - buttons to switch between NORMAL, MIRROR, FLIP or MIRROR FLIP.
3. Press the MENU button to exit the settings.

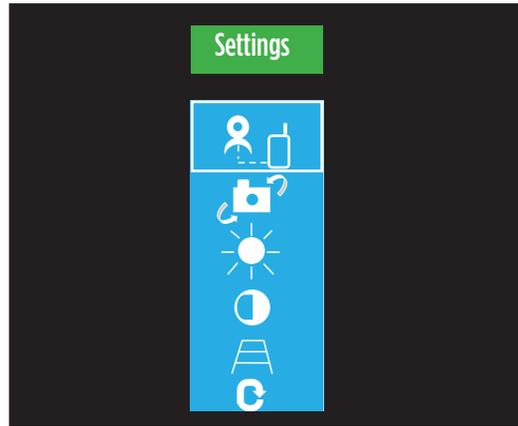


Figure A

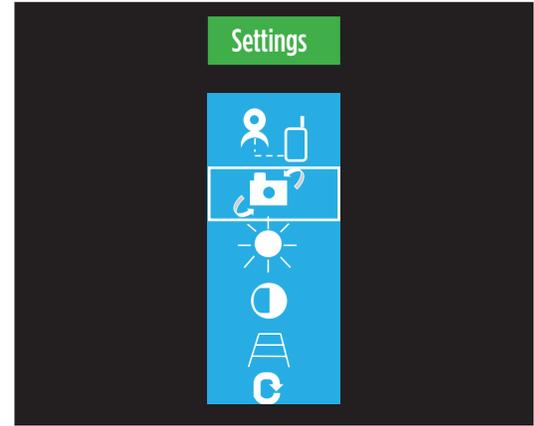


Figure B

# SETTINGS

## Brightness/Contrast

1. Press the MENU button to enter into the settings menu, use the + and - buttons to navigate to the sun or half circle icons. Press “AV1/AV2” button to enter either setting.
2. Use the + and - buttons to increase or decrease the set values.
3. Press the MENU button to exit the settings.

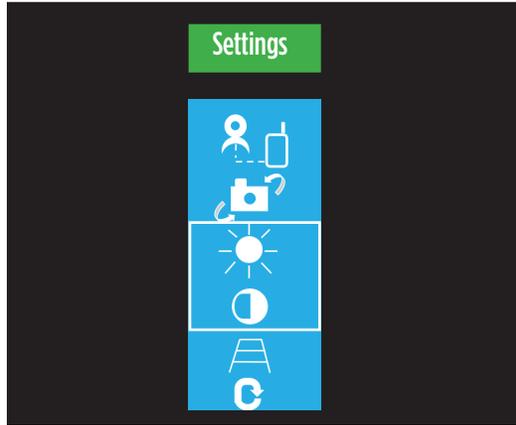


Figure A

## Parking Lines

1. Press the MENU button to enter into the settings menu, use the + and - buttons to navigate to the parking line icon. Press the “AV1/AV2” button to enter the setting.
2. Use the + and - buttons to navigate to ON or OFF. Use the “AV1/AV2” button to select ON or OFF.

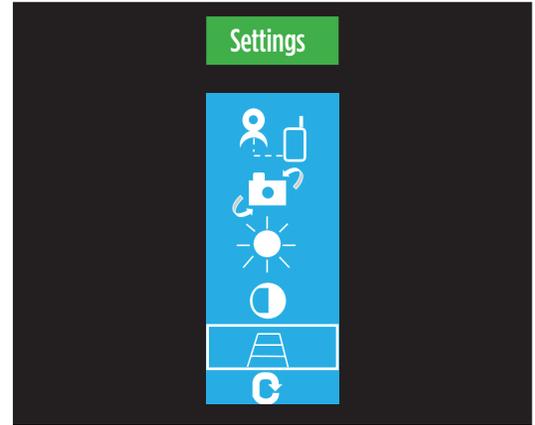
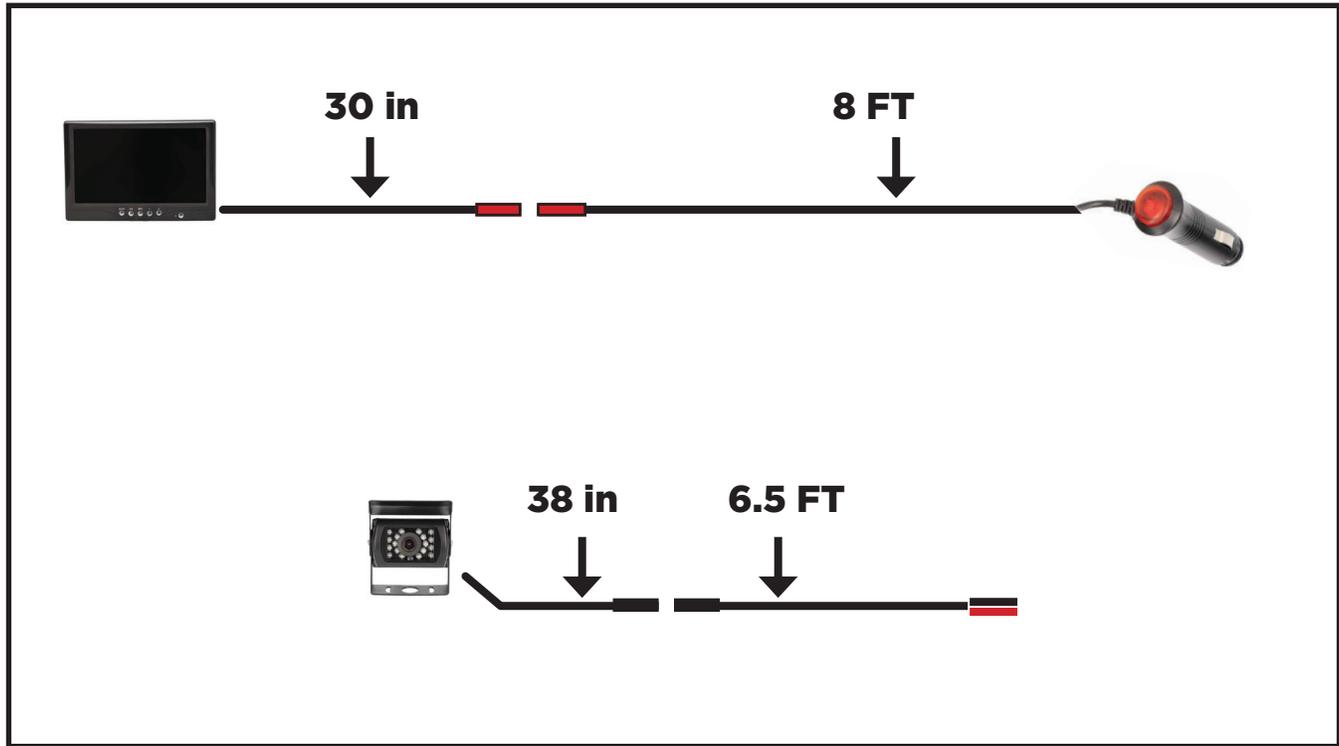


Figure B

# WIRE LENGTHS



## SPECIFICATIONS

TV SYSTEM	NTSC
EFFECTIVE PIXEL	1280 X 720
IP RATING - camera	IP67
VISUAL ANGLE	70 degrees
MIN. ILLUMINATION	0 Lux - w/ IRs active
WORKING VOLTAGE	9 - 36V
WORKING TEMP.	-10 C ~ 65 C
STORAGE TEMP.	- 20 C ~ 85 C
SCREEN SIZE	7 inch LCD
DISPLAY RESOLUTION	720P
SCREEN BRIGHTNESS	400 CD/m <sup>2</sup>
POWER CONSUMPTION	0.5 amps @ DC 12v



**TE-WMCE**  
INSTALLATION INSTRUCTIONS  
#IBEAMSAFETY



Having difficulties? We're here to help.



Contact our Tech Support line at:  
**386-257-1187**



Or via email at:  
[techsupport@metra-autosound.com](mailto:techsupport@metra-autosound.com)

**Tech Support Hours (Eastern Standard Time)**

Monday - Friday: 9:00 AM - 7:00 PM

Saturday: 10:00 AM - 7:00 PM

Sunday: 10:00 AM - 4:00 PM



**KNOWLEDGE IS POWER**

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto [www.installerinstitute.com](http://www.installerinstitute.com) or call 800-354-6782 for more information and take steps toward a better tomorrow.



**Metra Recommends MECP  
certified technicians**