



Universal Wireless 7" Monitor and Commercial Camera

Visit 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

A



B



C



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.

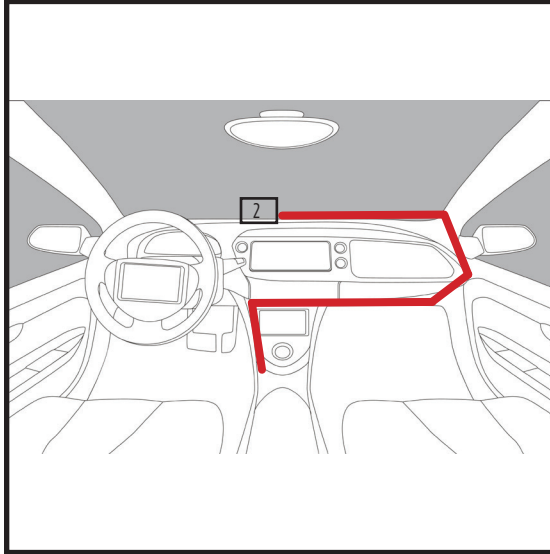


Figure A



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.

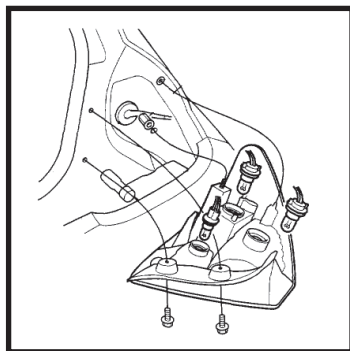


Figure A

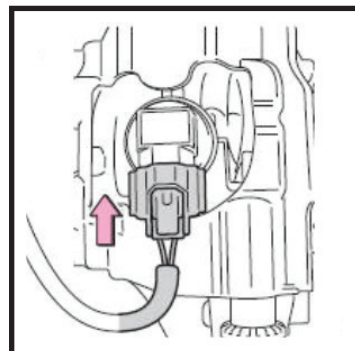


Figure B

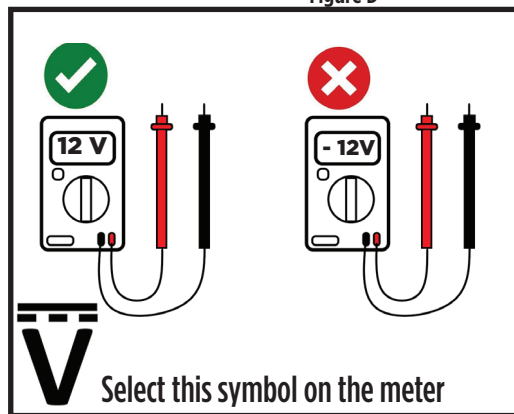


Figure C

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 by using the + and - buttons. 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.



Brightness/Contrast/Hue

1. Press the MENU button to enter into the settings menu, use the + and - buttons to navigate to the PICTURE icon. Press AV1/AV2 button to enter either setting.
2. Use the + and - buttons to choose BRIGHTNESS, CONTRAST or HUE and press the AV1/AV2 button to confirm your choice.
3. Use the + and - buttons to increase or decrease the set values and press the AV1/AV2 button to set your values.
4. Press the MENU button to exit the settings.



Reversing/flipping the image

1. Press the MENU button to enter into the settings menu, use the + and - buttons to navigate to the FLIP 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 AV1/AV2 button to confirm your choice.
4. Press the MENU button to exit the settings.

SETTINGS



Mode Settings

1. Press the MENU button to enter into the settings menu, use the + and - buttons to navigate to the MODE icon. Press AV1/AV2 button to enter setting.
2. Use the + and - buttons to choose INVERSION, AUTO BRIGHTNESS or SIGNAL ENHANCEMENT and press the AV1/AV2 button to confirm your choice.
3. Use the + and - buttons to turn setting ON or OFF and press the AV1/AV2 button to set your selection.
4. Press the MENU button to exit the settings.



Parking Lines

1. Press the MENU button to enter into the settings menu, use the + and - buttons to navigate to the CAR 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

Note: You can turn the Parking Lines on or off from the main screen without having to access the menu by pressing the AV1/AV2.

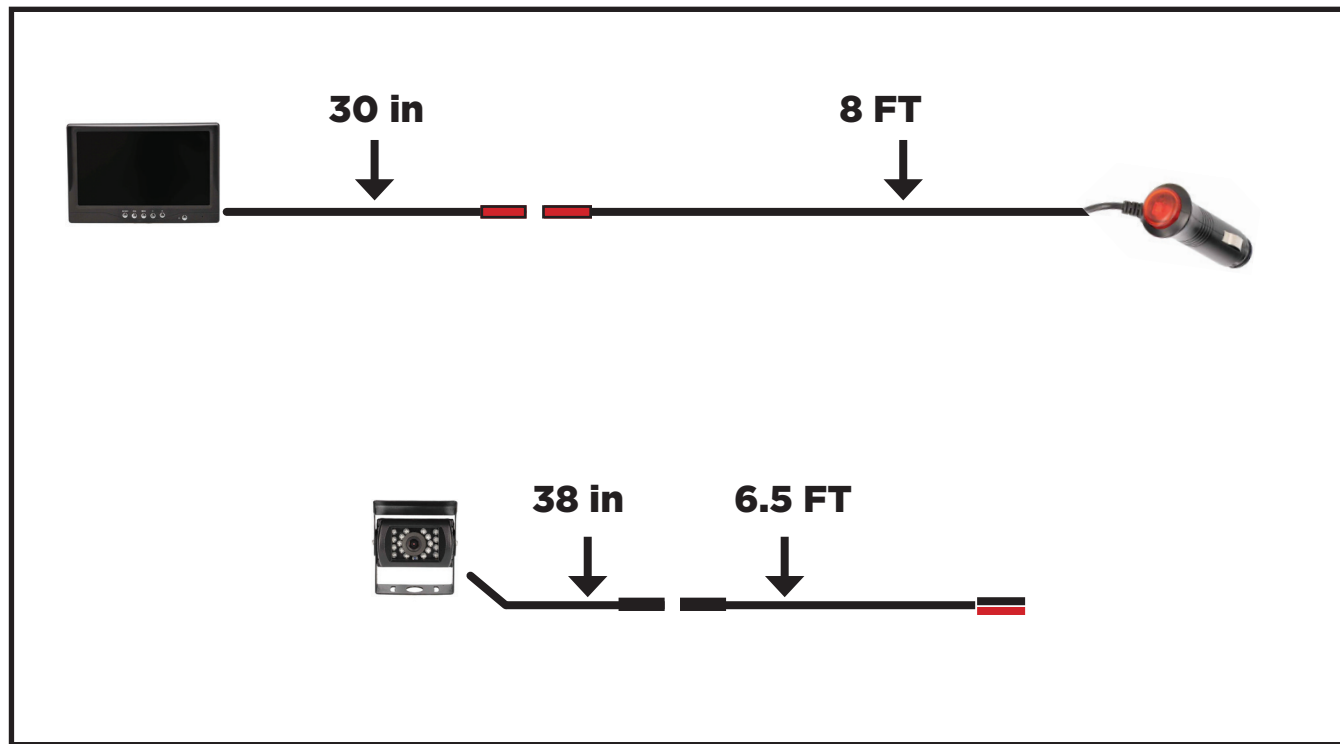


System Settings

1. Press the MENU button to enter into the settings menu, use the + and - buttons to navigate to the SYSTEM icon. Press AV1/AV2 button to enter either setting.
2. Use the + and - buttons to choose LANGUAGE or FACTORY SETTINGS and press the AV1/AV2 button to confirm your choice.
2. Use the + and - buttons to choose the language or reset the device and press the AV1/AV2 button to confirm.
3. Press the MENU button to exit the settings.

Note: If you choose Factory Setting to reset the device, you will need to pair the camera to the monitor. Cycle the key to put the camera into pairing mode, and follow the PAIRING instructions.

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/m2
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

Tech Support Hours (Eastern Standard Time)

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

Saturday: 10:00 AM - 5:00 PM

Sunday: 10:00 AM - 4:00 PM



**Metra recommends MECP
certified technicians**