



## **Wireless Backup Camera User Manual**

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## PBC-A56J Wireless Backup Camera User Manual

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### • Back-Up Camera Safety

- Please check with your local and state authorities to confirm what is legal regarding the mounting of the Back-Up Camera to your vehicle. It is the responsibility of the vehicle owner to understand state and municipal regulations and ensure compliance.
- When installing the Back-Up Camera, the vehicle must be turned off with the vehicle in park and the park brake applied.
- Do not attempt to install the Back-Up Camera while the engine is operating.
- Do not modify the wiring in any way.
- Only install the Back-Up Camera to a 12-volt DC system. Connecting to anything other than a 12-volt DC system may damage the Back-up Camera components or the vehicle electrical system.
- If you are not confident working with 12-volt DC vehicle wiring, have the Back-Up Camera professionally installed.
- This device as well as other wireless devices may be subject to interference. Interference may be caused by cell phones, Bluetooth headsets, Wi-Fi routers, power lines and other various electrical equipment.
- Keep all power cords and wires away from the vehicle's mechanical controls.
- Do not mount the monitor where it will interfere with your view of the road
- Do not adjust monitor settings while operating the vehicle
- Do not install the Back-Up Camera to the front of your vehicle.
- Do not paint or spray the camera.

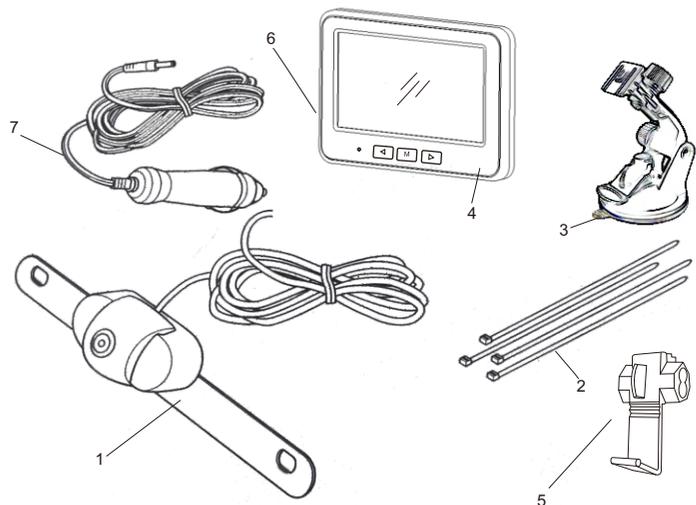


## • INTRODUCTION

The Back-Up Camera displays images behind the vehicle, and is used when backing up a vehicle. When the vehicle is driven in reverse, the camera is activated, which sends a signal to the Transmitter. The transmitter sends a video signal to the monitor, which then displays the view captured by the camera.

## • FEATURES

Color monitor displays view from the rear of the vehicle. Wireless monitor can be suction-mounted to windshield or dash for easy visibility. Adjustable monitor bracket. Adjustable vertical camera. angle Weatherproof camera with 120 degrees viewing angle. Reduce the danger of harm or damage due to unseen objects. System activates automatically when car is shifted into reverse.



### Legend

1. Wireless Camera (Built-in Transmitter)	2. Ties	3. bracket
4. Wireless Monitor	5. clip	6. USB Socket
7. Monitor Cigarette Lighter/Accessory Socket Power Cord		

## • INSTALLATION

### NOTICE

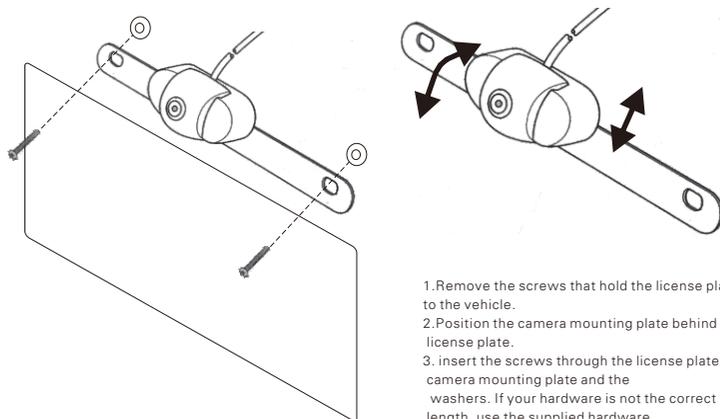
Some states or local governments may have regulations or laws that restrict the use of anything that might impair the clear view of a license plate. Check local laws for compliance.

### NOTICE

For the Back-Up Camera to be properly installed, it must be wired into the vehicle's taillight harness. If you are not comfortable or knowledgeable with 12-volt DC wiring, have the system professionally installed.

### NOTICE

These instructions are only meant as a general guide due to the number of different makes and models of vehicles. For vehicle-specific questions, contact your vehicle's manufacturer.



1. Remove the screws that hold the license plate to the vehicle.
2. Position the camera mounting plate behind the license plate.
3. Insert the screws through the license plate, the camera mounting plate and the washers. If your hardware is not the correct length, use the supplied hardware.

### 4. Adjust the camera as required:

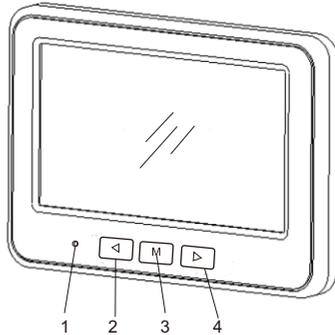
- .To adjust the camera angle, tilt the camera to one of the five positions.
- .The camera should be adjusted to a horizontal position relative to the ground so as to provide optimal view of objects behind the vehicle.
- .To adjust the camera height, remove the camera adjusting screws, move the camera to line up with the desired holes and install the camera adjusting screws. Make sure the arrows on the back of the camera are pointing upward.

## • OPERATION

### Testing the System

- 1.The blue LED will light when power is on.
- 2.With the park brake applied,turn the vehicle ignition switch to the ON position. Do not start the vehicle.
- 3.Shift the vehicle to reverse to power the transmitter.The blue power LED will light continuously and the monitor will display the image from the camera.
- 4.If the image does not display, check your connections and make sure the camera view is not obstructed.

### 7.Monitor Controls



**Legend** 1.Power LED 2.Up Button 3.Menu Button 4.Down Button

### • Blue Power LED

The LED will blink when the monitor has power and is turned on, but the vehicle is not in reverse (standby mode). When the vehicle is in reverse, and the monitor has power and is turned on, the LED will light continuously.

### • Adjusting Monitor Settings

To adjust the following monitor settings, make sure the park brake is applied, turn the ignition switch to the ON position and shift the vehicle to reverse.

## NOTICE

In extremely bright conditions, the screen image may take a few seconds to stabilize. Wait until the image has stabilized before backing up.

- 1.Press the menu button to bring up the settings screen.
- 2.Press the menu button to scroll through the different adjustments. Press the up button to increase or the down button to decrease settings.
- 3.The monitor can be mounted in any position. To change the view on the screen, scroll to direction. Press the up or down button to change the view and display the image correctly.
- 4.To exit, scroll to exit and press the down or up button.
- 5.To turn the guidelines on or off, press the guidelines button.

## • CARE AND MAINTENANCE

### CLEANING

Do not clean or wipe the Back-Up Camera with solvents or chemical materials. If necessary, remove dirt or stains using a soft cloth dampened with a mild detergent solution.

### DISPOSAL

The Back-U Camera is designed to provide years of service. The Back-Up Camera should be recycled or safely disposed of at a local recycling center. Examples of places that will accept items like this are: county or municipal recycling drop-off centers or scrap metal dealers.

## • SPECIFICATIONS

Camera	
Current consumption (with transmitter)	<250 mA
Pixels	640 x 480
View angle (measured 9.8 ft [3 m]from camera)	120±15
Power cord fuse	DC12-24V 1A
Transmitter	
Frequency	2414±0.3 MHz
RF transmission distance	495 ft (150 m)
Operation/storage temperature	14-140F(-10-60C)
Monitor	
Display screen size	4.3 in. (109 mm)
Power cord fuse	DC 5V 1A

## • TROUBLESHOOTING

Problem	Situation	Action
Monitor display is blank or unclear	The camera lens is covered with snow, mud, ice, etc.	Clean lens.
	The camera is mounted incorrectly	Check camera location and alignment. Realign as necessary.
	No power to the monitor or camera	Ensure all wires are correctly connected to the monitor, transmitter, camera and into the vehicle reverse light circuit. Check all wire connections and splices for proper connection
	Camera is angled incorrectly	Adjust camera angle
	Screen settings are incorrect	Adjust screen using monitor buttons.
	Monitor is angled incorrectly	Adjust monitor angle using adjustment knobs

## • FCC INFORMATION

### WARNING

Changes or modifications to this equipment not expressly approved by the party responsible for the compliance could void the warranty.

### NOTICE

This equipment has been tested and found to comply with the limits for a class B digital device, Pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment can radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

### Reorient or relocate the transmitter

Increase the separation between the equipment and monitor. Connect the equipment into an outlet on a circuit different from that to which the monitor needed.

Consult the dealer or an experienced radio/TV technician for help. This device Complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation of device. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate this equipment.

## Reorient or relocate the transmitter

Notice to Drivers in California and Minnesota:  
State law prohibits drivers in California and Minnesota from using suction mounts on their windshields while operating motor vehicles. Other dashboard or friction mounting options should be used [www.polaroid.com](http://www.polaroid.com) /Customer Service (Toll Free): 855-315-8600 does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice. (see California vehicle Code Section 26708(a), Minnesota Statutes 2005, Section 169.71)

## • LIMITED WARRANTY

Manufacturer warrants to the original consumer, or purchaser, that the Polaroid . PBC-A56J 4.3-inch Back-Up Camera will be free from defects in material and workmanship for 1 year from the date to the original purchaser. Manufacturer hereby excludes and disclaims any and all other warranties, expressed or implied, beyond those warranties specified above. Manufacturer excludes any implied warranty of merchantability or fitness for a particular purpose.

IF YOUR POLAROID, BACK-UP CAMERA MALFUNCTIONS DUE TO A DEFECT IN MATERIALS AND WORKMANSHIP WITHIN THE ONE YEAR WARRANTY PERIOD, MANUFACTURER WILL, AT ITS ELECTION REPAIR OR REPLACE IT. MANUFACTURER SHALL NOT, HOWEVER, BE RESPONSIBLE FOR ANY DAMAGE TO YOUR PRODUCT DUE TO ANY CAUSE OTHER THAN DEFECTS IN MATERIAL OR WORKMANSHIP, INCLUDING WITHOUT LIMITATION: FAILURE TO FOLLOW INSTRUCTIONS FOR USE; MISUSE; REPAIRS BY AN UNAUTHORIZED PERSON; MISHANDLING; MODIFICATIONS; NORMAL WEAR AND TEAR; ACCIDENT OR OVERLOAD. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. MANUFACTURER SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY ON THIS PRODUCT OR BASED ON ANY OTHER CAUSE OR CLAIM.

### To Obtain Service:

1. Product to the place of purchase for service. Send your unit, postage prepaid and insured, along with a copy of the original sales receipt and a phone number to the address below. Pack your unit properly, as we are not responsible for any damage caused during shipping.
2. A copy of the original receipt is required for warranty service. If no receipt is provided, the unit manufacturer's date will be used as the date of purchase.

Polaroid, Polaroid & Pixel, Polaroid Color Spectrum, and Polaroid Classic Border Logo are trade marks of PLR IP Holdings, LLC, used under license. PLR IP Holdings, LLC does not manufacture this product or provide any Manufacturer's Warranty or support.

## ONE(1)YEAR LIMITED WARRANTY

### WARRANTY COVERAGE:

This warranty obligation is limited to the terms set forth below.

### WHO IS COVERED:

This product is warranted to the original purchaser or the person receiving the product as a gift against defects in materials and workmanship as based on the date of original purchase ("Warranty Period") from an Authorized Dealer. The original sales receipt showing the product name and the purchase date from an authorized retailer is considered such proof.

### WHAT IS COVERED:

This warranty covers new products if a defect in material or workmanship occurs and a valid claim is received within the Warranty Period. At its option, the company will either (1) repair the product at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new, or serviceable used parts and is at least functionally equivalent or most comparable to the original product in current inventory, or (3) refund the original purchase price of the product. The Company warrants replacement products or parts provided under this warranty against defects in materials and workmanship from the date of the replacement or repair for the remaining portion of the original product's warranty. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes the company's property. When a refund is given, your product becomes the company's property.

Replacement product can only be sent if all warranty requirements are met. Failure to follow all requirements can result in delay.

### WHAT IS NOT COVERED –

#### EXCLUSIONS AND LIMITATIONS:

This Limited Warranty applies only to the new products that can be identified by the trademark, trade name, or logo affixed to it. This Limited Warranty does not apply to any non-GiiNii hardware product or any software, even if packaged or sold with the product. Non-GiiNii hardware manufacturers, suppliers, or publishers may provide a separate warranty for their own products packaged with the bundled product.

The Company is not liable for any damage to or loss of any programs, data, or other information stored on any media contained within the product, or any non-GiiNii product or part not covered by this warranty. Recovery or reinstallation of programs, data or other information is not covered under this Limited Warranty.

This warranty does not apply (a) to damage caused by accident, abuse, misuse, neglect, misapplication, or non-GiiNii product, (b) to damage caused by service

performed by anyone other than an Authorized Service Location, (c) to a product or a part that has been modified without written permission, or (d) if any serial number has been removed or defaced, or (e) to a product, accessories or consumables sold "AS IS" without warranty of any kind by including refurbished GiiNii products sold "As IS" by some retailers.

### THIS LIMITED WARRANTY DOES NOT COVER:

- Shipping charges to return defective product.
- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of any part outside of the product
- Product repair and/or part replacement because of improper installation or maintenance, connections to improper voltage supply, power line surge, lighting damage, retained images or screen markings resulting from viewing fixed stationary content for extended periods, product cosmetic appearance items due to normal wear and tear, unauthorized repair or other cause not within the control of the company.
- Damage or claims for products not being available for use, or for lost data or lost software.
- Damage from mishandled shipments or transit accidents when returning product.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Product lost in shipment and no signature verification receipt can be provided.
- Failure to operate per Owner's Manual.

### TO OBTAIN ASSISTANCE

Send an email to [customerservice@GiiNii.com](mailto:customerservice@GiiNii.com).

For technical support call toll free: 1-866-909-3550

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CONSUMER. GIINII SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusions or limitations of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights. You may have other rights which may vary from state/province to state/province.

*Important!* Veuillez envoyer  
le courrier **AUJOURD'HUI**  
ou vous inscrire en ligne  
ou Register Online

First Class  
Postage  
Required



P.O. Box 611090  
San Jose, CA 95161

## Product Registration Card Carte d'enregistrement du produit

Model Number / Numéro de modèle

Serial Number / Numéro de série

Registering your product is essential to receive all of the privileges of product ownership.  
So please complete the information below in ink and mail this card today.

L'enregistrement de votre produit est essentiel pour bénéficier de tous les avantages liés à l'achat du produit.  
Veuillez donc fournir les renseignements ci-dessous à l'encre et nous renvoyer cette carte dès aujourd'hui.

Your Name Votre Nom	First / Prénom	Initial / Initiale du deuxième prénom	Last / Nom	Serial Number / Numéro de série
Address Adresse	Street / Rue		State / Province	Appt # / N° d'appartement
Date of Purchase Date d'achat	Month Mois	Day Jour	Year Année	Zip Code / Code postal
*Final Address *Adresse de courriel		Where Purchased / Lieu d'achat		Type of Store Type de magasin
Phone Number (Optional) Numéro de téléphone (facultatif)		Area Code / Code de la région		Online En ligne
				Retail Chez un détaillant

**Important – Please return this card at once**  
**Important – Veuillez renvoyer immédiatement cette carte**

YES Would like to receive information on product updates/  
NO upgrades, new products and other exclusive offers.

OUI Je voudrais de recevoir des informations sur Mes 3 jour  
de prodromes à jour de nouveaux produits et d'autres  
NON offres exclusives.

