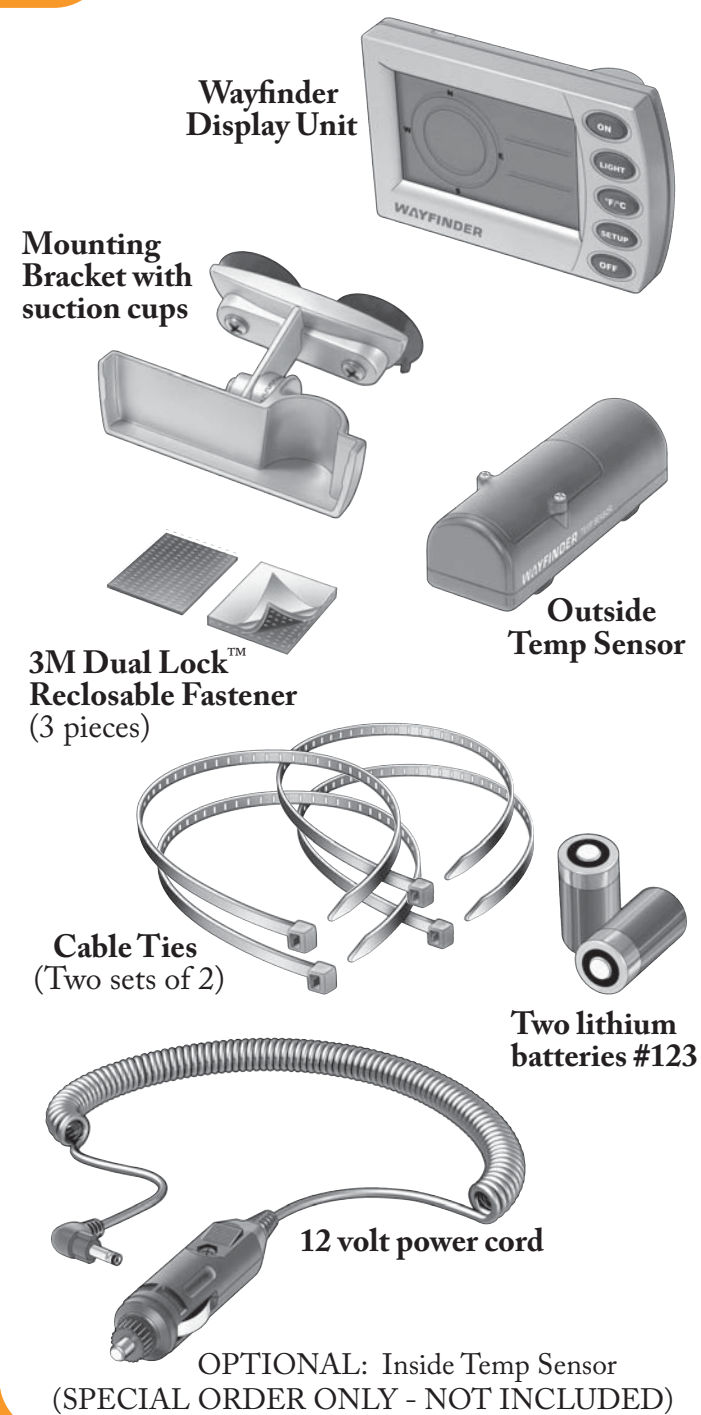


1

**WHAT'S INCLUDED**

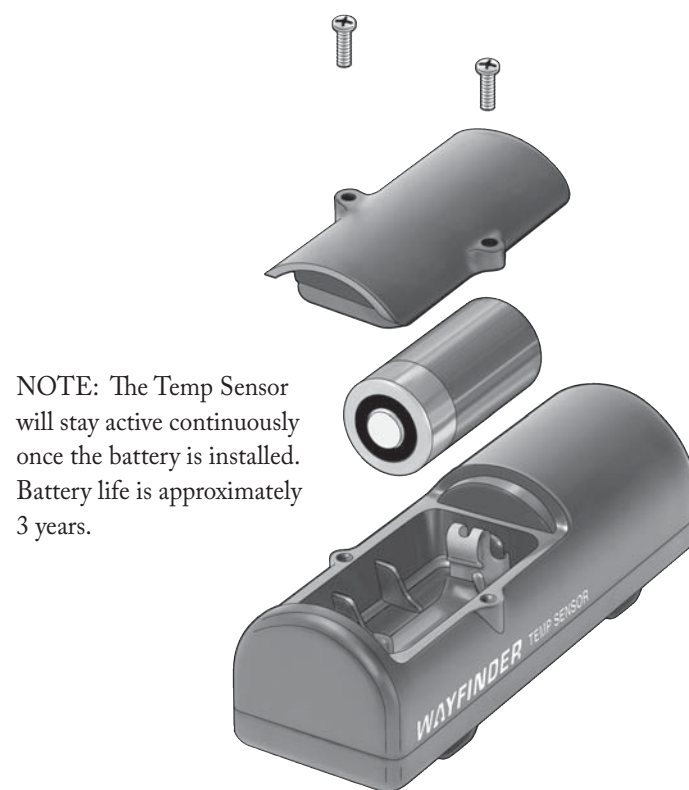
2

**MOUNTING THE OUTSIDE TEMP SENSOR**

The Temp Sensor is designed to withstand extreme temperatures from  $-35^{\circ}$  to  $+120^{\circ}$  F. There is no need to remove the Sensor during summer or winter seasons. Note that the temperature reading will be inaccurate for several minutes after vehicle start-up until airflow to the Sensor is established.

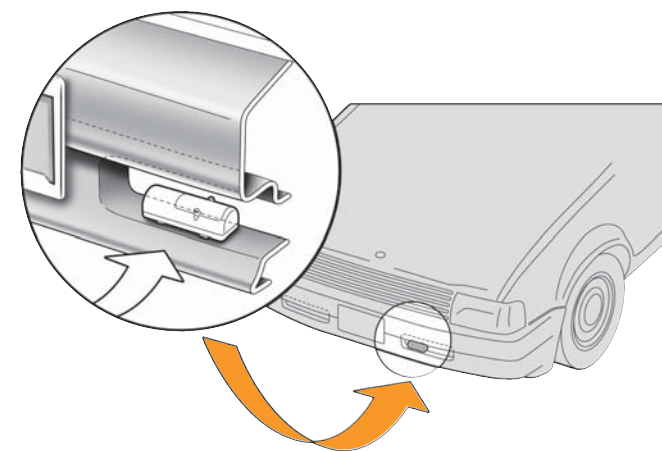
**A. Insert battery**

- 1) Remove the 2 screws from the battery lid on the curved side of the Sensor.
- 2) Install a lithium battery #123 in the cavity, with the positive (+) polarity facing the rear outside edge of the Sensor (as shown in the drawing).
- 3) Replace the lid and screw down tight.

**B. Attach to front of vehicle**

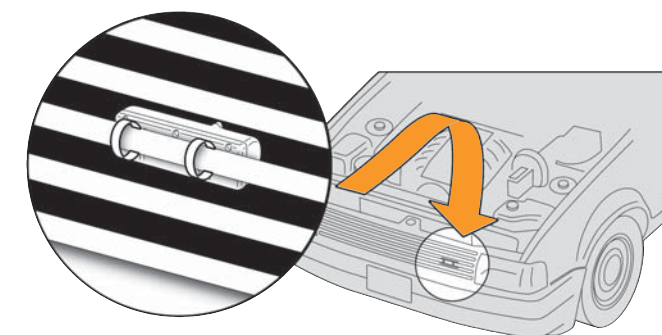
Choose one of the locations shown below to attach the Outside Temp Sensor to your vehicle. The location you choose will depend on the make of your vehicle.

- 1) **Inside the airflow cavity on your front bumper.**  
Use the cable ties or Dual Lock to attach the Sensor inside the airflow cavity on the front of your bumper (see illustration).  
- If possible, place the Sensor in the airflow cavity behind the license plate, as it will be well protected from the elements.



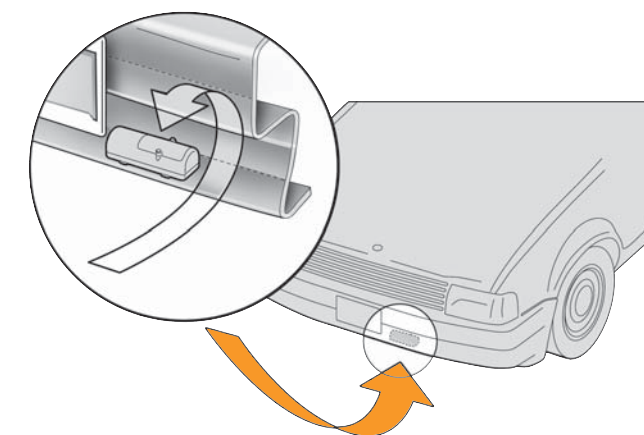
- 2) **Behind your front grill.**

Use the cable ties to attach the Sensor to the back side of the grill (see illustration). Be sure there is at least 3 to 4 inches of air space around the Sensor.



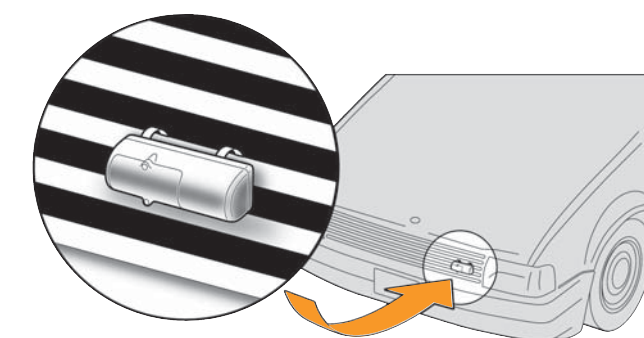
- 3) **On the spoiler shelf behind your front bumper.**

Use Dual Lock to attach the Sensor to the spoiler shelf on the bottom, back side of your front bumper (see illustration).



- 4) **On the front of your grill.**

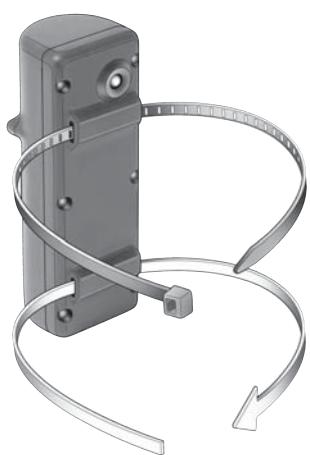
Use cable ties to attach the Sensor to the front of your vehicle grill.



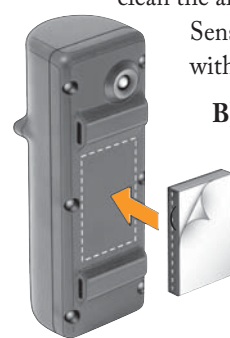
If none of these options works for your vehicle, check our website at [www.pnicorp.com](http://www.pnicorp.com) for more information.

**USING CABLE TIES:**

- A) Slip the cable ties through the slots on the back of the Temp Sensor, and then around the section of the bumper or grill where it will be attached.
- B) Insert the tail end of the cable ties through the slot in the cable tie head, and cinch the ties so the sensor is secure. Clip the loose ends.

**USING 3M DUAL LOCK™ FASTENER:**

- A) **IMPORTANT:** To ensure a lasting adhesion, carefully clean the area where you intend to place the Temp Sensor with soap and water, then wipe the area with rubbing alcohol to remove soap residue.
- B) Peel the tape shield off one side of the two-piece Dual Lock fastener and attach the locked pieces firmly to the bottom (flat side) of the Sensor.
- C) Peel the second tape shield off the bottom of the Sensor and attach it to the cleaned area on your bumper or grill.

**FOR BEST RESULTS:**

- Use the cable ties to attach the Temp Sensor to an area that is protected from direct sunlight and is at least 3" to 4" away from the engine or radiator.
- Do not place the Sensor on your back bumper as exhaust fumes will interfere with proper temperature readings.

3

**INSTALLING THE INSIDE TEMP SENSOR (optional item – sold separately)**

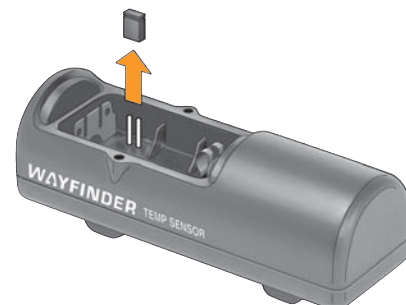
- A. **Insert Battery** (same as for Outside Temp Sensor, see Section 2).

**B. Place Inside Vehicle**

- 1) Place the Inside Temp Sensor in a convenient location inside your vehicle, such as the glove compartment or under your seat.
- 2) Keep the Sensor away from direct sunlight to ensure it reads the true ambient air temperature.

**ADAPTING AN OUTSIDE SENSOR FOR INSIDE USE:**

The Outside Temp Sensor can be easily converted to an Inside Temp Sensor by removing the jumper from inside the Sensor battery cavity.

**ADDITIONAL USES:**

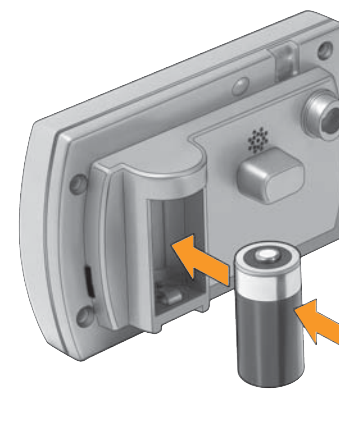
The Temp Sensor can be placed in a specific area of your vehicle (such as on a luggage rack) or inside a trailer (such as a horse trailer) to measure the temperature for those specific areas only.

To order, visit [www.pnicorp.com](http://www.pnicorp.com) or call (888) 422-6772.

4

**MOUNTING THE WAYFINDER® DISPLAY UNIT****A. Insert battery**

- 1) Slide open the battery cover on the back of the unit.
- 2) Insert a lithium battery #123 with the positive (+) polarity facing the top of the unit.
- 3) Replace the battery cover.

**B. Attach bracket**

- 1) Slide the compass into the mounting bracket until it clicks securely into place (it will only fit one way).
- 2) Adjust the unit on the bracket for optimal viewing angle.
  - a) Hold the unit face down, grasp the bracket handle, and pull it to the right to separate the locking teeth.
  - b) Move bracket to the desired position and release the handle to re-engage the teeth.
  - c) Adjust as needed after mounting. For greatest accuracy, the display should be no more than 20° from its horizontal position.

**C. Secure to windshield**

- 1) Find a spot on your windshield that allows easy viewing of both the Wayfinder and the road, and clean well.
  - For maximum accuracy, be sure the unit is at least 5 inches away from sources of magnetic interference such as audio speakers, radios, rear view mirrors, etc.
- 2) Press the suction cups firmly against the windshield.

**WAYFINDER®**

**Full Spectrum™  
Temperature and Compass  
System**

**USER'S  
GUIDE**

**PNI Corporation**  
5464 Skylane Boulevard, Suite A  
Santa Rosa, CA 95403  
USA  
T: (888) 422-6672 (Customer Service)  
F: (707) 566-2261  
[www.pnicorp.com](http://www.pnicorp.com)

# 5

## SETTING UP THE COMPASS

The compass must be setup in order to provide accurate readings. Always setup the compass AFTER the Wayfinder Display Unit has been mounted on your windshield.

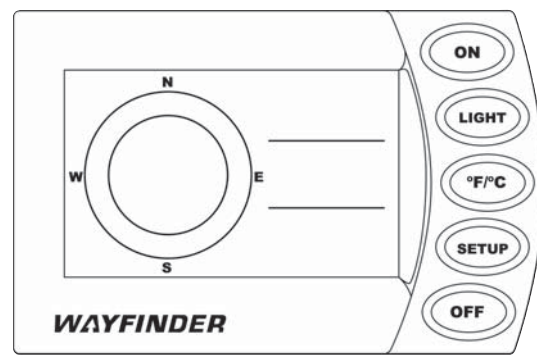
- 1) Drive to an area where you can easily turn your vehicle in a small circle (such as an empty parking lot or cul-de-sac).
- 2) Press the SETUP button. The screen will read "PRESS SETUP FOR 2 SECS".
- 3) Press and hold the SETUP button for 2 seconds. The screen will begin displaying "TURN CAR IN FULL CIRCLE."
- 4) Drive your vehicle in one complete circle (any direction). Once you've begun the maneuver, the screen will display "PRESS SETUP WHEN DONE".
- 5) When you've completed the circle, press SETUP. The screen will display "SETUP DONE".
- 6) Changing your bracket angle, the mounting location or the battery will require you to setup the compass again.

NOTE: For maximum accuracy, all compasses should be reset every 3 months due to ongoing changes in magnetic fields.

# 6

## USING THE BUTTONS

### A. Button Functions



- ON – turns the Display Unit on
- LIGHT – turns the backlight on and off
- °F/°C – switches between Fahrenheit and Celsius readings
- SETUP – begins compass setup
- OFF – turns the Display Unit off

### B. Automatic On and Off

- 1) When plugged into the 12V adapter, the Wayfinder display unit will automatically turn on when your vehicle engine is started.
- 2) The Wayfinder display unit will shut off automatically after 10 minutes with no detectable change in vehicle direction.

### C. Backlight

- 1) **When battery operated:**
  - a. Press the LIGHT button to turn the backlight on for 30 seconds.
  - b. Press and HOLD the LIGHT button for 2 seconds to keep the backlight on continuously.
    - i. In daylight conditions, the backlight will automatically turn off after 2 minutes.
  - c. Press the LIGHT button again to turn off the backlight.
- 2) **When 12-volt operated:** If your unit is plugged into a 12V socket, the backlight will automatically turn on in low-light conditions, and turn off in daylight conditions.

### D. Signal Strength

You may occasionally want to check your Sensor's signal to be sure you're getting accurate readings.

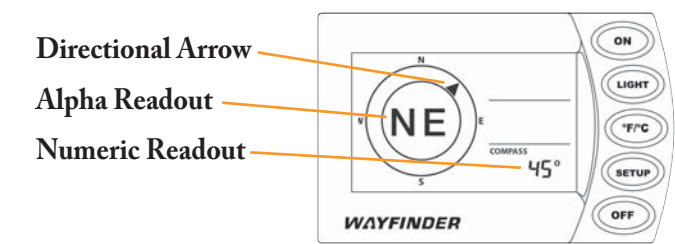
- 1) Press and HOLD the °F/°C button for 2 seconds.
- 2) A number from 1 to 10 will appear in the Outside Temp field.
- 3) A signal reading of "5" or above indicates your sensor is working well.
- 4) Any number below "5" indicates your signal strength is weak and you should adjust the location of your sensor.

# 7

## READING THE DISPLAY

### A. Compass Directions

- 1) The compass rose provides an alpha readout of the direction your vehicle is headed (N, NW, etc.)
- 2) An arrow revolves around the compass rose to the appropriate directional heading as the vehicle changes direction.
- 3) The Compass section of the screen provides a digital numeric readout of your compass heading.

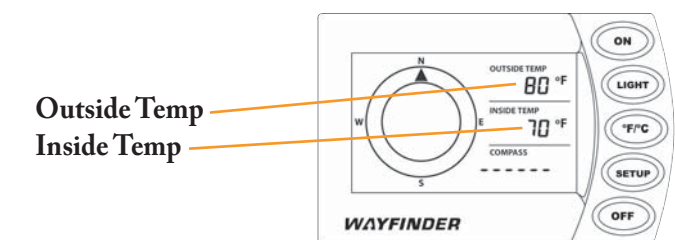


### B. Temperature Signals

- 1) When first turned on, the OUTSIDE TEMP field displays "----" for several minutes while the unit acquires a signal from the Temp Sensor.
 

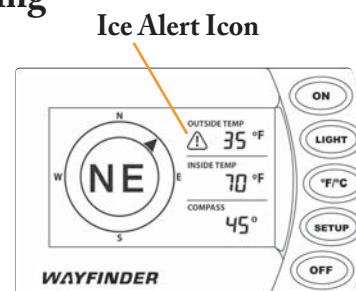
NOTE: The INSIDE TEMP field will not appear on the display until you have installed an inside Temp Sensor and a signal is detected. This can take several minutes.
- 2) Temperature readings can be switched from °F to °C (press the °F/°C button to toggle).
 

NOTE: Temperature readings may be inaccurate while the vehicle is parked, and for several minutes after startup until airflow to the Sensor is established.



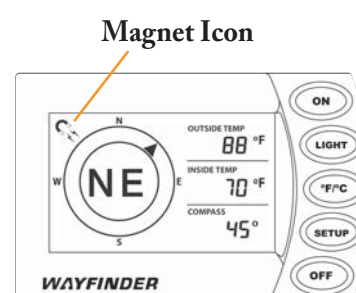
### C. Ice Alert Warning

When the outside temperature reaches 35° or lower, an ice alert warning icon appears next to the OUTSIDE TEMP reading.



### D. Magnetic Distortion Warning

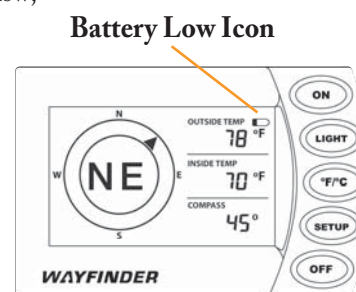
- 1) When the compass is temporarily unable to provide accurate readings due to a disturbance in the magnetic field (for instance, when you're crossing railroad tracks), a magnet icon will flash in the upper left corner of the screen.
- 2) Once your vehicle has moved away from the source of interference, the magnet icon will disappear.
- 3) If the magnet icon continues flashing, setup the compass again.



### E. Battery Low Warning

When your Display Unit or Temp Sensor battery is low, a Battery Low icon will appear on the display as follows:

- 1) In the OUTSIDE TEMP section when the outside temp sensor battery is low;
- 2) In the INSIDE TEMP section when the inside temp sensor battery is low;
- 3) In the COMPASS section when the Wayfinder display unit battery is low.



# 8

## TROUBLESHOOTING

### A. The temperature reading on the display appears to be incorrect.

- 1) Check the Outside Temp Sensor's signal strength, following the instructions in section #6.
- 2) Adjust the Sensor location if needed. Try to ensure the Sensor is:
  - At least 3 to 4 inches away from the radiator so that it doesn't pick up residual engine heat
  - Sitting away from direct sunlight (for instance, on the inside of your vehicle bumper, rather than the outside)
  - Located in an area that allows airflow around the sensor
- 3) Check the location of the Inside Temp Sensor, being sure it is situated away from direct sunlight.
- 4) Remember that the temperature readings will be inaccurate while the vehicle is parked, and for several minutes after vehicle start-up until airflow to the Sensor is established.

### B. The compass reading on the display appears to be inaccurate.

- 1) Be sure you've setup the compass using the instructions in section #5.
- 2) Check to see that the batteries are still active, and then setup the compass again.
- 3) Look to see whether the magnet icon is flashing in the upper left corner. This indicates the compass has encountered interference, and you will need to setup the compass again.
- 4) If you've just moved the Wayfinder to a new location, setup the compass again.

# 9

## SERVICE AND REPLACEMENT

If you wish to return your Wayfinder directly to PNI Corporation, contact us between 8:00 a.m. and 5:00 p.m. (PST) Monday through Friday at the following phone numbers or email address. We'll give you instructions for returning your Wayfinder for repair or replacement.

Phone: (707) 566-2260  
 Fax: (707) 566-2261  
 Email: returns@pnicorp.com

# 10

## FCC COMPLIANCE

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.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 generates, uses and can radiate 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 receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

# 11

## LIMITED WARRANTY

**SHORT SUMMARY OF LIMITED WARRANTY FOR WAYFINDER® V2020**  
 For the Full Warranty and Limitation of Liability applicable to this product, see our Website at [www.pnicorp.com](http://www.pnicorp.com), select "Consumer Products" and click "Download".

PNI Corporation ("PNI") manufactures its products from parts and components that are new or equivalent to new in performance, and warrants to the original user that this product will be free of defects in workmanship and materials for one (1) year from the date of purchase.

This warranty does not cover wear and tear due to normal use, or damage to the product as the result of improper usage, neglect of care, alteration, accident or unauthorized repair.

If the product is found by PNI to be defective, PNI will repair or replace the product and return the product or its replacement to you at no charge, provided that you ship the product to PNI at your expense with a description of the defect and subject to the other conditions of this warranty. Should the product prove to be irreparable, PNI may substitute an equivalent product of the same or similar style and of a value not in excess of the original purchase price of your unit.

PNI warrants the repaired or replacement product to be free from defects in material and workmanship on the same terms as the product originally purchased.

This warranty will be void if the products, serial number or other identification marks have been defaced, damaged or removed. This warranty does not apply to the battery necessary to operate the product.

This warranty is extended to the original retail purchaser only and may not be transferred or assigned to subsequent owners. In order to validate your warranty, you must provide proof of purchase acceptable to PNI together with the product shipped for warranty repair/replacement.

Products returned to PNI must be pre-authorized by PNI with an RMA (return material authorization) number marked on the outside of the package. Please refer to the Service and Replacement section for PNI Corporation contact information.

[www.pnicorp.com](http://www.pnicorp.com)