



**WAYFINDER V2020
Manual Copy**

FRONT COVER: **Wayfinder® Full Spectrum™ Temperature and Compass System
USER'S GUIDE**

[\[insert packaging images\]](#)

BACK COVER: pni logo

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TEXT –
SECTION 1:

WHAT'S INCLUDED

Wayfinder Display Unit
Mounting Bracket with suction cups
Outside Temperature Sensor
3M Dual Lock industrial Velcro (3 pieces)
Cable Ties (Two sets of 2)
Two lithium batteries #123
12 volt power cord
OPTIONAL: Inside Temperature Sensor

[\[insert illustrations of each component -- #'s 1-8\]](#)

MOUNTING THE OUTSIDE TEMPERATURE SENSOR

The Temperature Sensor's all-weather performance ensures that it's water resistant and can withstand extreme temperatures from –40° to 105° F. There is no need to remove the Sensor during summer or winter seasons.

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 near outside edge of the Sensor.
- 3) Replace the lid and screw down tight.

[insert illustration #9 of battery installation]

B. Attach to front of vehicle

Choose a location underneath or behind your front bumper, or behind your grill, that allows free air circulation and is not affected by direct engine heat or sunlight.

1) Using cable ties:

- a) Slip the cable ties through the slots on the back of the Temperature Sensor.
- b) Wrap the ties around the front bumper or a component of the bumper or grill.
- c) Insert the tail 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.

[insert illustration #10 showing cable ties through slots on back of sensor, and illustration #11 showing sensor attached to bumper.]

2) Using 3M Dual Lock fastener:

- a) Clean an area underneath or behind your front bumper or grill where you can easily attach the Temperature Sensor.
- 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 tape shield off the second side of the Dual Lock fastener and attach the Sensor to the cleaned area on your bumper or grill.

[insert illustration #12 showing attachment of Dual Lock to Sensor and bumper]

NOTE: The sensor can also be placed in your vehicle trunk. The Temperature Sensor will stay on continuously once the battery is installed. Battery life is approximately 3 years.

TEXT –
SECTION 3:

INSTALLING THE INSIDE TEMPERATURE SENSOR (optional item)

- A. Insert Battery** (same as for Outside Temperature Sensor, see section #2)
- B. Place Inside Vehicle**
 - 1) Place the optional Inside Temperature Sensor anywhere 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.

NOTE: The Outside Temperature Sensor can be easily converted to an Inside Temperature Sensor by removing the battery cover from the back of the Sensor, and then removing the jumper from the battery cavity.
[insert illustration #12.5]

TEXT –
SECTION 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.

[insert illustration #13 showing battery placement in unit]

- 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 appropriate position and release the handle to re-engage the teeth.

[insert illustration #14 showing bracket adjustment]

- c) Adjust as needed after mounting. For best viewing, 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.

NOTE: Be sure the location is at least 5 inches away from audio speakers to prevent interference.
 - 2) Press the suction cups firmly against the windshield.

- D. Button Functions**

[insert illustration #15 showing display face with buttons, compass reading and temperature readings; also include call-outs for 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

E. Automatic Shut-off

Display Unit will shut off automatically after 10 minutes with no perceived change in magnetic field.

TEXT –
SECTION 5:

SETTING UP THE COMPASS

The compass must be setup in order to provide accurate readings. Always setup the compass with the Wayfinder Display Unit mounted on your windshield, and in an area where you can easily drive your vehicle in a small circle (such as an empty parking lot or cul-de-sac).

- 1) When you press the SETUP button, the screen will read, "PRESS SETUP FOR 2 SECS".
- 2) Press and hold the SETUP button for 2 seconds. The screen will display " - - - -" and then "TURN CAR IN FULL CIRCLE."
- 3) Drive your vehicle in one complete circle (any direction). Once you've begun the maneuver, the screen will display "PRESS SETUP WHEN DONE".
- 4) When you've completed the circle, press SETUP. The screen will display "-----" and then "SETUP DONE".
- 5) **When you move your Display Unit or change the battery**, you will need to setup the compass again.

TEXT –
SECTION 6:

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 numeric readout of your compass direction.

[insert illustration #15 of display screen with callouts for compass readings]

B. Temperature Signals

- 1) When first turned on, the OUTSIDE TEMP field displays “---” for up to one minute while the unit acquires a signal from the Temperature Sensor.
NOTE: The INSIDE TEMP field will not appear on the display until you have installed an inside Temperature Sensor and a signal is detected.
- 2) Temperature readings can be switched from °F to °C (press °F/°C button to toggle).
NOTE: Temperature readings are inaccurate while the vehicle is parked and for several minutes after startup.

[insert illustration #15 of display screen with callout for temp reading]

C. Ice Alert Warning

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

[insert illustration #15 of display screen with callout for Ice Alert Warning]

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.

[insert illustration #15 of display screen with callout for Magnetic Distortion Warning]

TEXT –
SECTION 7:

USING THE BACKLIGHT

A. When battery operated:

- 1) Press the LIGHT button to turn the backlight on for 30 seconds.
- 2) Press and HOLD the LIGHT button for 2 seconds to keep the backlight on continuously.
 - a. In daylight conditions, the backlight will automatically turn off after 2 minutes.
- 3) Press the LIGHT button again to turn off the backlight.

B. When 12-volt operated:

- 1) 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.

TEXT –
SECTION 8:

CHECKING 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 Temperature 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 try adjusting the location of your sensor.

TEXT –
SECTION 9:

TROUBLESHOOTING

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

- 1) Check the Outside Temperature Sensor's signal strength, following the instructions in section #8.
- 2) Adjust the Sensor location as needed, being sure it is:
 - At least 8 inches (correct?) away from the engine 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 with enough space around the sensor to ensure it receives adequate air flow
- 3) Check the location of the Inside Temperature 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.

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.

TEXT –
SECTION 10:

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

TEXT –
SECTION 11:

LIMITED WARRANTY

SHORT SUMMARY OF LIMITED WARRANTY FOR WAYFINDER® B110
For the Full Warranty and Limitation of Liability applicable to this product, see our Website at 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.

TEXT –
SECTION 12:

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.

TEXT –
BOTTOM OF PAGE: www.pnicorp.com