

ALARMS

The Navion™ R5000 continuously monitors system parameters and presents an alarm when the parameter is outside of normal operating conditions. When there is an alarm, an indicator in a red box appears in the background window, overriding anything that is displayed in that window. You should take note of the alarm and check your vehicle to correct the alarm condition. If there is an Alarm condition, pressing INFO will take you to the Alarm screen.

Viewing Alarms

Select the INFO button and scroll to Alarm. Press the SEL button or wait until the Alarm screen is automatically selected. A list of alarms will appear.

How to Monitor Alarm Information in a Background Window

You can view one of the fields from the alarm display in the Background window even when the status display is not the main Application.

- 1) To select an item for display in the background window. Use the UP and DOWN arrow keys to highlight the status item for display.
- 2) Press the SEL button to select the item. A check box will appear next to your selection. Selecting a different parameter will remove the previous item from the display.
- 3) To remove an item from the background window. Move to the selected item and press the SEL button again to uncheck the item.

NOTE: Selecting an item will override the information in the Background window unless there is an Alarm condition.

Disabling and Enabling Alarms

- 1) When in the Alarm screen, use the UP and DOWN arrow keys to highlight the alarm of interest.
- 2) Press the MINUS (-) key to disable the Alarm.
- 3) To enable an alarm, press the PLUS (+) key.



Caution! A disabled Alarm will not appear in the Background window. There will be no Alarm notification. The Alarm must be manually enabled to display in the Background window.

CLOCK AND DATE

The Navion™ R5000's clock and date are always displayed on the main screen in the lower left hand corner.

Setting the Clock and Date

- 1) Press the INFO button repeatedly until Clock is highlighted.
- 2) Press the SEL button to select Clock or wait until clock is automatically selected.
- 3) Press SEL button to edit the time and date values.
- 4) Use the LEFT and RIGHT arrow keys to select the field you want to modify.
- 5) Use the UP and DOWN arrow keys to change the highlighted field
- 6) When all of the changes have been made, press the SEL button to return to the Clock display.

CAMERA SYSTEMS

The R5000 supports up to three cameras. Mount the cameras on the vehicle so that there is a left, right and a rear camera. The rear camera supports a microphone that can be automatically activated when the RV is shifted into reverse.

Selecting Cameras

- 1) To display a camera view on the main window, press the CAM button.
- 2) Press the CAM button to highlight the camera of interest (Left, Right or Rear). This will define this camera view as the "preferred" camera view.
- 3) Press the SEL button to display the camera view or wait until the camera is automatically selected.
- 4) When the preferred camera is viewed, use the LEFT, RIGHT or DOWN arrow keys to provide a quick view of the other cameras. The camera view will display for approximately five seconds after which the camera view will return to the preferred camera view.

Configuring the Camera Options

When in the CAM view, pressing the MENU button provides a list of camera configuration options as shown below

Menu Option Description

Use Camera Audio

Turns on the camera microphone. Once set, the microphone remains active and will override any entertainment audio sources when the camera view is the active application.

Auto Reverse Camera

Displays the rear camera view when the vehicle is placed in reverse.

NOTE: If you have selected a preferred camera view other than rear (i.e. left, right), then this auto reverse selection will override your preferred selection and switch to the rear camera view.

Auto Reverse Microphone

Automatically turns on the microphone for the rear camera when the vehicle is shifted into reverse. Audio from other sources such as Radio, CD, or USB key will be muted when the vehicle is shifted into reverse.

Auto Turn Signal Camera

Automatically switches the display to the left or right camera when the left or right turn signal is activated. When the turn signal is deactivated, the camera view returns to the previous application.

NOTE: If Auto Reverse is enabled, then Auto Reverse will take priority over Auto Turn Signal Camera.

Default to Camera

When enabled the last camera viewed will be restored if there is no activity in another application for approximately 10 seconds.

Lectronix

Navion™ R5000 – Quick Start Guide

Use this quick start guide as a supplement to the Navion™ R5000 Operating Instructions Manual.



Developed and Manufactured in the USA

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Important System Information

Take a moment to fill in the following information for your records.

Description	Record Here
R5000 Serial Number	
Date Installed or Purchase Date of Coach	
Sirius Satellite System Identification number (SID)	
Sirius Satellite Lock Code	

DISCLAIMER — THIS IS A DISCLAIMER OF LIABILITY AND DAMAGE RESPONSIBILITY AS REGARDS TO LECTRONIX, INC. AND GARMIN RELATING TO YOUR USE OF THE LECTRONIX NAVION™ R5000 SYSTEM. READ IT CAREFULLY. YOU ASSUME TOTAL RESPONSIBILITY AND RISK FOR USING THIS SYSTEM.

Failure to properly focus on the operation of your motor vehicle can result in death, serious injury and property damage. This R5000 device should never be used at a time or in a manner that distracts you from properly focusing on operation of the motor vehicle in which it is installed. Our concern is for your safety. We ask that you fully cooperate with and share that concern.

Always operate the vehicle in a safe manner and in full compliance with speed limits, road safety signs and all other laws and devices which regulate operation of a motor vehicle. Be and remain aware of driving conditions at all times when using this system while operating a motor vehicle.

Operation of this unit, including its camera, navigation, audio and other features can be distracting to your operation of the motor vehicle. While the system is intended to provide both entertainment and helpful vehicle and navigation information, it is not intended to, nor should you allow it to distract you from properly focusing on operating the motor vehicle in which it is installed. It is up to you to minimize or prevent such distraction.

INTRODUCTION



Figure 1: Front Panel Controls

Turning the Navion™ R5000 On and Off

To turn the system on or off, press and hold the rotary dial for about two seconds after the ignition is turned on in your vehicle. When the system turns on, a standard display screen will appear. The R5000 will then automatically transition to the most recent Application and Function.

Standby Operation

The Navion™ R5000 will be placed in a standby state for approximately 15 minutes when the vehicle's ignition key is turned off. When ignition is restored, the system will immediately return to the last Application and Function. After 15 minutes the R5000 will be turned off.

AUDIO SYSTEM

The audio controls affect the sound source (CD, Radio, and Satellite) even if audio is not the main application.

Mute

To mute audio, quickly press the rotary knob. "Mute" will appear in red in the Audio Window.

To unmute audio, press the rotary knob again. "Mute" will disappear from the audio window.

Satellite Radio Option

The Satellite selection will not be present if the optional Satellite Radio is not connected to the R5000.

If you have the Satellite option, you must subscribe to the satellite service to active the satellite radio. Refer to the Subscribing to Sirius Satellite Radio section of the operator's manual for subscription instructions.

Compact Disc (CD)

The CD player is compatible with standard audio CDs as well as audio read/write CDs that include MP3 or WMA files.

Insert the CD into the CD slot with the text on the CD facing up. When inserted, the audio source automatically changes to CD, and begins playing the first track.

- A maximum of 99 folders per CD is supported. Folders may be nested up to this limit.
- Only a sampling frequency of 44.1 kHz is supported
- UDF formatted CDs will play, but are not recommended.

USB Music

The system will automatically detect and play MP3 and WMA encoded music from a USB stick when it is inserted into the system (this may take a few seconds).

- WMA protected content is not supported.
- The WMA lossless codec is not supported.
- Only a sampling frequency of 44.1 kHz is supported.

NAVIGATION (NAV)

The Navion™ R5000 includes support for the optional Garmin GVN52 Navigation system. Please refer to the Garmin User's Manual included with your RV for information regarding this Application.

When navigating, carefully compare information displayed on the unit to all available navigation sources, including information from street signs, visual sightings, and maps. Do not enter destinations, change settings or access any functions requiring prolonged use of the controls of the unit while operating your motor vehicle. For safety, pull off the road before making any adjustments to the system or resolving any navigation discrepancies or questions.



Warning! You assume total responsibility and risk for using this device. Failure to pay attention to the operation of your vehicle could result in death, serious injury, or property damage. Do not attempt to adjust this device while driving or permit viewing the screen to distract you from safe vehicle operation.

Accessing the Navigation MAP

- 1) Press the NAV button to access the GARMIN navigation system.
- 2) Use the FOUR-WAY arrow keys to pan around a map.
- 3) Use the MINUS (-) and PLUS (+) keys to zoom out and into the map.
- 4) The GARMIN remote control can also be used for navigation.

Refer to the GARMIN GVN 52 manual for information on the use of the GARMIN Navigation system.

- 5) Press the MENU button quickly to access the GARMIN menus.

Use the FOUR-WAY arrow keys to move around the GARMIN menus. The menu item will be highlighted when selected.

Use SEL to select the highlighted menu.

Refer to the GARMIN GVN 52 manual for information on the use of the GARMIN Navigation system.

TIRE PRESSURE MONITOR

Using the optional tire pressure sensors installed on each tire, the Navion™ R5000 can monitor the vehicle's tire pressure and alert you to possible tire pressure problems.

Tire Pressure Sensor Operation

Tire pressure is monitored approximately every 5 minutes with sensors placed on each tire. If a low pressure condition exists, the tire pressure is monitored more frequently (approximately every 15 seconds). When there is a tire pressure alarm condition such as low pressure or low sensor battery, an alarm in red will appear on your screen, alerting you to the potential problem. The system generates four different alarm conditions described below.

Tire Pressure Alarms and Conditions

Alarm

Low pressure

Condition

Tire pressure is 12.5% below its initial value. **PULL OVER, INSPECT TIRE AND REPAIR.**

Critical low pressure Tire pressure is 25% below its initial value. **PULL OVER, INSPECT TIRE AND REPAIR.**

Missing alarm The R5000 has not received a status update from the sensor in the last 15-30 minutes.

Low battery Sensor's battery is low – the sensor should be replaced and a new sensor should be ordered now.

Battery life for the Sensor is expected to be 3 to 3 ½ years. Battery life can be affected by many factors, including extremely hot or cold temperatures and especially during low pressure alerts. When a pressure alert exists, the Sensors transmit an alert to the R5000 until the alert is corrected – correct immediately – as sensor battery life can be affected.

Installing Tire Pressure Sensors

The sensors determine operating pressure of the tire when the sensor is first installed. Therefore the tire pressure at the time of installation is CRITICAL! All tires MUST be inflated to the manufacturer's recommended cold pressures while the tires are cold. Refer to the owner's manual.



Caution! Install the tire pressure sensors on the tires when they are still cold. Failure to install at this "cold" temperature may cause false alerts.

Carefully inspect tires and valve stems prior to installation of the system to ensure that they are in good condition. DEFECTIVE VALVE STEMS MUST BE REPLACED. THE DILL VALVE (small valve inside the valve stem) MUST DEPRESS FULLY AND RELEASE AIR FOR THE SENSOR TO ACTIVATE. The sensor will not activate properly if the dill valve is not the proper length (a common problem).

- 1) Press the INFO button repeatedly until Tires is highlighted.
- 2) Press SEL or wait until Tires is automatically selected.
- 3) Using the FOUR-WAY arrow keys, select the tire to add a tire pressure sensor.
- 4) Hold SEL until the system prompts you to add a sensor. To abort adding a sensor, tap the SEL button.
- 5) Screw the tire pressure sensor onto the tire selected. TIGHTEN FIRMLY BY HAND.

You should hear the "hiss" of released air when the sensor is being screwed on. Hold the valve stem with your free hand and tighten the sensor securely.



Caution! Using a tool to tighten the sensor can damage the sensor and nullify the warranty.

- 6) Wait for system to report new tire added (a green tire icon appears). This can take up to one minute.

In the unlikely event that the system has not detected the sensor within one minute after screwing on the sensor, remove the sensor, wait one minute, and then reattach the sensor to tire. (The system can be left in 'add sensor' mode during this process.) Repeat this step until the sensor is detected.

- 7) Repeat steps 1-6 for each tire.

After installing the sensors, check for leaks by thoroughly covering the sensor, extension and valve stem with a solution of one part liquid soap to two parts water and look for bubbles indicating a leak.

Note: Once a sensor is added to the system, the sensor remains associated with that tire position until deleted, regardless of attachment/removal from the actual tire.

Refer to the Operators Manual for further Tire Pressure Monitor information.

VEHICLE STATUS (Status)

The R5000 Vehicle Status display provides information about the operating conditions of the vehicle. The following table describes the information available in the status screens.

Screen	Status Description
Road	Traveling information such as road speed, fuel economy, fuel level, average fuel economy, total fuel used, instantaneous fuel rate and total vehicle distance is found here.
Engine	View engine RPM, oil temperature and pressure, coolant temperature and pressure and transmission oil temperature and pressure in this screen.
Electrical	Battery voltage and alternator status are available in this screen.
Environment	Interior and Exterior temperature as well as Barometric pressure and Heading can be viewed in this screen.
Miscellaneous	Washer Fluid Level and Engine Load can be viewed in this screen.
Tire Pressure	The pressure of the vehicle tires is displayed. This requires the optional Tire Pressure Sensors.

NOTE: The type and availability of status and alarm information is dependant on the make and model of the recreational vehicle.

How to View Status Information in a Background Window

You can view one of the fields from the status display in the Background window even when the status display is not the main Application.

- 1) To select an item for display in the background window. Use the UP and DOWN arrow keys to highlight the status item for display.
- 2) Press the SEL button to select the item. A check box will appear next to your selection. Selecting a different parameter will remove the previous item from the display.
- 3) To remove an item from the background window. Move to the selected item and press the SEL button again to uncheck the item.

NOTE: Selecting an item will override the information in the Background window unless there is an Alarm condition.