

Bushnell

neo



Model #
368050/368050C

Owner's Manual

Lit # 98-1353/1-09

Section 1: Introduction.....	2
Welcome	2
Important Information	3
www.bushnellgolf.com/gps.html	4
Package Contents	5
Additional Requirements	5
Bushnell Neo Features	6
Battery Information	7
Keypad Function	8
Start Up	8
Section 2: Bushnell Neo.....	9
Main Menu	9
Play Golf	10
Map Course	13
Delete Course	15
Satellites	15
Battery Level	15
Settings	16
About Bushnell	18
Section 3: Bushnell Neo Sync.....	19
Introduction	19
Installation	20
Download Courses	21
Send Courses	22
Save Courses	23
Settings	24
Section 4: Appendices.....	25

Welcome

Dear Valued Consumer:

We sincerely hope you will find your Bushnell product both enjoyable and easy to use. Knowing the exact distance for each shot will assist you in lowering your score and enhance your overall golfing experience.

This User Manual was created for you to get the most out of your new device. It only takes a few minutes to read, after which you can immediately begin using the Bushnell Neo and enjoying its many features.

Also, please visit <http://www.bushnellgolf.com/gps.html> to set up your iGolf membership (click "Log-In"). As a member, you have access to all the features and benefits iGolf has to offer, including access to an extensive database of GPS enabled golf course files for use on your Bushnell Neo.

Thank you for choosing Bushnell.

Important Information

Legal Disclaimer

By using this product, you agree that Bushnell Outdoor Products will not be held legally responsible for any injury or damage to you or any person or property caused by the user's improper operation and/or poor judgment while using this product.

Note: See Limited Warranty for other limitations on our liability.

Additional Information

The Global Positioning System (GPS), a network of 32 satellites orbiting Earth, is operated and maintained by the U.S. government. This GPS device requires at least 3 satellites to be acquired to accurately determine your position. Any change made to the system by the government could affect the accuracy and performance of this product.

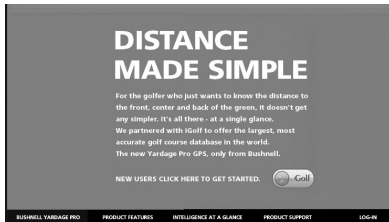
<http://www.bushnellgolf.com/gps.html>

Bushnell Golf GPS Website

<http://www.bushnellgolf.com/gps.html> is an online resource for all our Golf GPS product owners, and it also serves as a portal to access iGolf GPS course files to use with these Bushnell products. Setting up your iGolf membership allows you access to GPS course files, the ability to download GPS files and many other benefits.

Download Course Files

- 1) Go to <http://www.bushnellgolf.com/gps.html>, and click the “Log-In” link. If not already an iGolf member, fill in the boxes and click “Join Now”.
- 2) Search for desired course using simple terms to broaden results (i.e. Augusta National Golf Club: search for *Augusta*).
- 3) Select course name from search results and download GPS file.
- 4) When prompted, SAVE the file.
- 5) Use Bushnell Neo Sync to transfer golf course file to device.



Package Contents – Additional Requirements

Package Contents*

- 1 - Bushnell Neo
- 1 - Belt Clip
- 1 - USB Cable
- 1 - AC/DC 5V Adapter
- 1 - Software CD
- 1 - Quick Start Guide

**Please contact your dealer if your package is incomplete.*

Additional Requirements*

PC with Windows Vista, Windows XP or Windows 2000
or Mac with OS X, version 10.4.x or later **

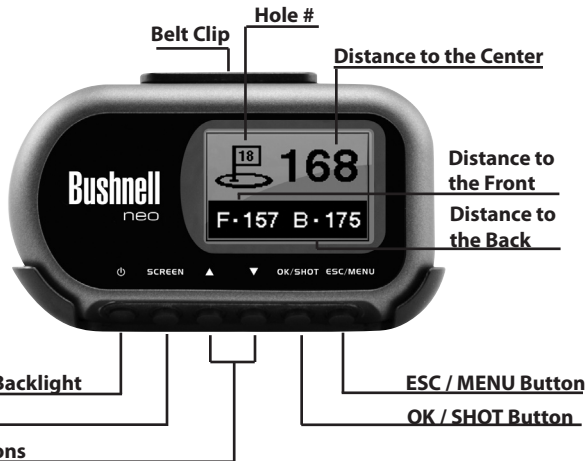
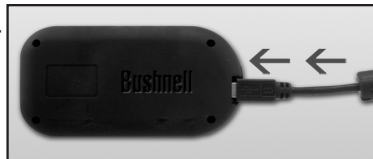
PC or Mac with CD-ROM drive and USB port

**Required to transfer files from computer*

***Windows is a registered trademark of Microsoft Corporation in the United States and other countries. Mac and Mac OS are trademarks of Apple Inc., registered in the U.S. and other countries.*

Bushnell Neo Features

USB Connection >



Battery Information

Battery Information

This product contains an internal rechargeable lithium-ion battery. Under normal operating conditions, a new battery will last 14-16 hours on a full charge. However, battery life is diminished due to a variety of factors including temperature and backlight usage. All rechargeable batteries lose their effective charge length over time.

The internal battery can be charged by connecting the included USB cable to the device and a computer. Alternatively, the battery can be charged by connecting the USB cable to the device and using the included adapter to plug the charger into a standard 110V wall outlet.

Keypad Function – Start-up

Keypad Function

Power Button

- Turns the device on & off
- Turns the backlight on & off

SCREEN Button

- Switches between screens within Play Golf mode

Up Button

- Scrolls up
- Changes hole number (+)

Down Button

- Scrolls down
- Changes hole number (-)

OK/SHOT Button

- Selects highlighted option
- Activates Shot Distance

ESC/MENU Button

- Cancels current operation
- Returns to previous step or screen



Power Button

SCREEN Button

Up / Down Buttons

ESC / MENU Button

OK / SHOT Button

Start-Up

Power On

- Press and hold power button until the welcome screen appears (about 2 seconds).

Power Off

- Press and hold power button until the screen goes blank.

Backlight On/Off

- From any screen, press power button to turn backlight on.
- Press power button again to turn backlight off.

Main Menu

Main Menu

The Main Menu displays all the features available to the user, which are explained in detail in subsequent sections of this User Manual. To begin using the device, scroll to highlight any feature and press OK.



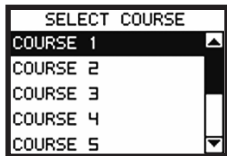
Feature Descriptions

- Play Golf_ _ _ _ _ Select to play golf using GPS data
- Map Course_ _ _ _ _ Select to create and customize golf course files
- Delete Course_ _ _ _ _ Select to delete files from the device
- Satellites_ _ _ _ _ Select to view satellite position and signal strength
- Battery Level_ _ _ _ _ Select to verify remaining battery power
- Settings_ _ _ _ _ Select to customize additional features
- About Bushnell_ _ _ _ _ Select to display version and company information

Play Golf

Play Golf

This feature is the main interface to display distance information. Course information must be first downloaded from Bushnellgolf.com or manually entered using the Map Course feature. If GPS data is available, distances to the front, center and back of the green and up to four custom points per hole will be displayed upon satellite acquisition. Highlight "Play Golf" on the Main Menu and press OK. Scroll to highlight the desired golf course and press OK.



Play Golf

Screen Operation

- Up/Down buttons _ _ _ _ Move between holes
- SCREEN button _ _ _ _ Move between screens
- OK/SHOT button _ _ _ _ Activate Shot Distance
- ESC/MENU button _ _ _ _ Go to Play Menu



Shot Distance Operation

From any Play Golf screen, press SHOT to activate the Shot Distance feature. Press SHOT again to establish starting point. Distance will automatically update as the user moves. Once the user reaches the end position, press SHOT to freeze the shot distance measurement. Press SHOT again to reactivate the Shot Distance feature and establish a new start position.



Play Golf

Play Menu

From any Play Golf screen, press MENU to access the Play Menu. This menu allows the user to easily view status or modify settings being used for the current course.



1. Map Golf Hole

Allows the user to map the current hole being played without having to exit the game.

2. Satellites

Displays various bar lengths to show signal strength for all satellites being tracked.

3. Battery Level

Displays a horizontal bar representing the power remaining in the battery.

4. Return to Game

Resumes play from previous hole.

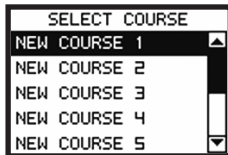
5. Exit

Returns to Main Menu.

Map Course

Map Course

This feature is used to manually input course name and map GPS data points. Existing course files may be customized or new files created using the device. Highlight “Map Course” on the Main Menu and press OK.



1. Select Course

Scroll to highlight the desired new or existing golf course and press OK.

2. Function: Course Name

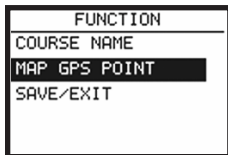
To revise name highlight “Course Name” and press OK. Names are limited to fourteen (14) characters and should be distinguishable from other golf courses entered. Scroll to highlight the character and press OK. To delete characters, scroll to “BKSPC” and press OK. When finished, scroll to highlight “SAVE” and press OK.

***Note:** Course files may also be renamed using the Neo PC Sync application.*

Map Course

Map Course (continued)**3. Function: Map GPS Point**

To add or revise GPS data highlight "Map GPS Point" and press OK. Select the desired hole and press OK. Highlight point to map* and press OK. Stand at desired location, confirm satellite strength and press OK to register point. **Do not move until process is complete.** Repeat these instructions for all desired points. When finished, scroll to highlight "Save" and press OK. Repeat for all holes, then select "Save/Exit" to return to Main Menu.



"If mapping a Custom Point, the user may customize the name prior to registering GPS data. The user may select from a list of common abbreviations, or choose a six (6) character name, to easily identify the point on the course. If the user chooses not to customize the name, proceed directly to "Register Point".

4. Function: Save/Exit

After all data has been entered and/or captured, the user **MUST** scroll to "Save/Exit" and press OK to save all information. All entered data will be lost if function is exited without saving.



Delete Course - Satellites - Battery Level - Sync

Delete Course

This feature allows the user to permanently remove a golf course file from the device. Highlight "Delete Course" on the Main Menu and press OK. Scroll to highlight the golf course to delete and press OK. To remove course from device, confirm by highlighting "Yes" and pressing OK. (**Note:** *this only deletes the course from the Neo device. All downloaded course data is still saved on your PC, and may be reloaded onto the Neo later by using the Sync application*).

Satellites

This feature displays the GPS satellites recognized by the device. Satellites providing location data to the device for use in distance calculation are represented by black horizontal bars and black boxes around the satellite numbers. Typically, at least three satellites providing location data are required before GPS distance can be calculated. Highlight "Satellites" on the Main Menu and press OK.

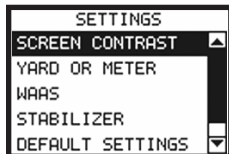
Battery Level

This feature displays the status of the battery in the device. Battery information is displayed using a horizontal bar representing the amount of power remaining in the battery. Highlight "Battery Level" on the Main Menu and press OK.

Settings

Settings

This feature provides various configuration settings to personalize the device, such as screen contrast, distance measurement and GPS performance. Highlight “Settings” on the Main Menu and press OK.



1. Screen Contrast

Allows the user to adjust the contrast of the screen to aid viewing in various light conditions.

2. Yard or Meter

Allows the user to select yards or meters as the measure of distance.

3. WAAS

Allows the user to select if location correction is used to improve GPS accuracy within the United States. Commonly known as WAAS, this system of satellites and ground stations provides GPS signal corrections for much of the U.S. The user may need to adjust the WAAS setting according to geographic location. The default setting on the device is “On”.

Settings

Settings (continued)

4. Stabilizer

Allows the user to select the rate at which the device refreshes GPS position. With stabilizer “On” the device will not refresh GPS distance readings once movement has ceased. This is useful to users who experience fluctuating distance readings, even though they are stationary. The default setting on the device is “On”.

5. Default Settings

Allows user to return device to factory default settings. All data, including course files, will be permanently deleted. It is recommended all files are saved to computer prior to accessing this setting.

6. Update

For factory use only.

About Bushnell Neo

About Bushnell Neo

This feature displays general information pertaining to the device including the software version. Highlight “About Bushnell Neo” on the Main Menu and press OK.

Introduction

Introduction

Bushnell Neo Sync provides the user with all the tools required to enable communication between the device and Windows Vista, Windows XP, Windows 2000 or Mac OS X computer*. Using this interface, the user can control every aspect of golf course file management. From accessing the iGolf.com database to syncing course files, Bushnell Neo Sync encompasses many functions which enhance the GPS experience.

Feature Descriptions

- Sync Courses - - - - Transfer data from computer to device
- Download Courses - - Access iGolf.com database of golf course files
- Save Courses - - - - Transfer all course files from device to computer
- Settings - - - - - Change COM Port and modify course file locations

* *Windows is a registered trademark of Microsoft Corporation.
Mac and Mac OS are trademarks of Apple Inc.,
registered in the U.S. and other countries.*

Installation

Installation

Follow these instructions to assist in the proper and complete installation of iGolf Sync on a computer. Confirm the Neo is NOT connected with the USB cable to the computer before beginning the installation.

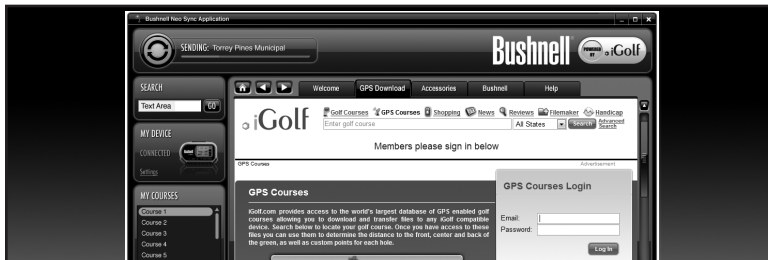
To install Bushnell Neo Sync on a Windows Vista, Windows XP, Windows 2000 or Mac OS X computer *:

1. Insert CD included with the product into computer.
2. Open appropriate CD drive to view contents.
3. Select "Bushnell Neo Sync Installer" to start the install process.
4. Select "USB Driver Setup" to install required drivers.
5. Select "Sync Application" to install sync software.
6. Launch software from "Bushnell Neo Sync" icon on desktop.

Note: If you experience any problem with the installer, click the "Product Support" link at http://www.bushnellgolf.com/gps/yardage_neo_support.cfm, and download and install the latest version of the Neo Sync application.

**Windows is a registered trademark of Microsoft Corporation in the United States and other countries. Mac and Mac OS are trademarks of Apple Inc., registered in the U.S. and other countries.*

Download Courses



Download Courses (GPS Download tab)

This feature provides direct access to iGolf.com where users may search for golf courses and members may download files. Click the “GPS Download” tab. Select “Member Login” to access account. If not yet an iGolf.com member, use the “Join Now” link to enroll.

For further assistance, please note:

1. If search returns more than one page of results, use Advanced Search to narrow results.
2. All GPS files contain scorecard information.
3. Once downloaded, the course file will appear in the “My Courses” section of the sync application.

Send Courses



Send Courses

This feature allows the user to transfer golf course files from a computer to the device. Select course files from the “My Courses” section of the sync application and press the “Send” button to transfer the courses to the device. For further assistance, please note:

1. Before you can transfer the course files, the device must be powered on and connected (with the USB cable) to the computer. The device will then display “USB Mode”.
2. Multiple courses can be selected and transferred at one time (by holding down the Ctrl key on your PC as you click on the names of the courses).

Save Courses



Save Courses

This feature allows the user to transfer golf course files from the device to a computer. Select the course files from the “My Device” section of the sync application and use the mouse to drag the courses into the “My Courses” section of the sync application. For further assistance, please note:

1. Before you can transfer the course files, the device must be powered on and connected (with the USB cable) to the computer. The device will then display “USB Mode”.
2. Multiple course files can be saved at one time (by holding down the Ctrl key on your PC as you click on the names of the courses).

Settings



Settings

This feature allows the user to specify how the device communicates with a computer and where course files are stored. Select "Settings" from the "My Device" section. For further assistance, please note:

1. Always set COM to "AUTO" unless specific port being used is known (does not apply to Mac users).
2. Default course file storage location is C:\My Documents\Bushnell\Neo. If the setting must be changed, note new location and save downloads from iGolf.com in the same folder.

Appendix A - Troubleshooting

Problem 1: The backlight does not work.

- Turn unit off for ten (10) seconds and try again. Re-test in a low-light environment.
- From Main Menu, press and release power button.

Problem 2: The device will not turn off.

- Press and hold power button for at least ten (10) seconds.

Problem 3: There are no golf course names listed in Play Menu.

- No golf course files are loaded on the device.
- Transfer file again and confirm that the Bushnell Sync software reads "Completed" before disconnecting device.

Problem 4: There is no GPS data for the selected golf course.

- No golf course files are loaded on the device.
- Confirm GPS file downloaded from iGolf site. (Note: GPS data not included in scorecard files).
- Confirm mapped GPS points were saved prior to exiting the Map Course feature.
- Confirm the device has acquired at least 3 satellites.

Problem 5: There are no custom points available for my golf course.

- No custom points are loaded on the device.
- Confirm custom points are available on iGolf.com for golf course in question.
- Confirm GPS file downloaded from iGolf site. (Note: GPS data not included in scorecard files).

Appendix A - Troubleshooting (Continued)

- Confirm mapped GPS points were saved prior to exiting Map Course feature.

Problem 6: GPS points cannot be mapped/registered on device.

- Ensure satellite strength is sufficient to obtain accurate data.
- Move to a clear, unobstructed view of the sky (i.e. no trees, buildings or objects that might interfere GPS satellite strength).
- Time of day may affect GPS signal strength. Reattempt during various hours of the day.

Problem 7: Entire golf course name cannot be entered in the space provided.

- Limit the golf course name to fourteen (14) characters.
- Abbreviate name so it can be identified from other golf courses on device.

Problem 8: There are no satellites in view.

- Move to a clear, unobstructed view of the sky (i.e. no trees, buildings or objects that might interfere GPS satellite strength).
- The time required to acquire satellites may increase to 5-10 minutes for first use or if device has not been used for an extended period of time.

Problem 9: The distances on the device are inaccurate.

- Confirm correct golf course and hole number are selected from Play screen.
- Move to a clear, unobstructed view of the sky (i.e. no trees, buildings or objects that might interfere GPS satellite strength).
- Go to Settings and set WAAS to "Off".

Appendix A - Troubleshooting (Continued)

- Go to Settings and set Stabilizer to “On”.
- Remap GPS points using device and confirm accuracy.
- Report any GPS or scorecard errors found to iGolf.com.

Problem 10: The distances on the device are in yards, not meters.

- Go to Settings and set device to display “Meters”.

Problem 11: The distance displayed on the device is fluctuating.

- Go to Settings and set Stabilizer to “On”.
- Move to a clear, unobstructed view of the sky (i.e. no trees, buildings or objects that might interfere GPS satellite strength).
- Go to Settings and set WAAS to “Off”.

Problem 12: Sync software does not state “Connected”.

- Confirm USB cable is connected to computer.
- Confirm USB cable is connected to the device.
- Confirm sync software was installed correctly. Remove and reinstall the USB driver and Sync application if necessary.
- Confirm correct COM port selected.

Problem 13: Golf course files cannot be sent to the device.

- Confirm USB cable is connected to the device.
- Confirm sync software was installed correctly. Remove and reinstall the USB driver and Sync application if necessary.
- Confirm correct COM port selected.
- Confirm status as “Connected” on sync software.

Appendix A - Troubleshooting (Continued)

- Confirm file to be sent is selected on sync software.

Problem 14: Golf course files cannot be saved to computer from device.

- Confirm USB cable is connected to the device.
- Confirm sync software was installed correctly. Remove and reinstall the USB driver and Sync application if necessary.
- Confirm correct COM port selected
- Confirm status as “Connected” on sync software.

Problem 15: No golf course files are available to transfer in sync software.

- Confirm settings in sync software to locate file sync location. The default location is C:\My Documents\Bushnell.
- Perform a search for the file using search feature on computer.

Problem 16: Saved golf course files cannot be located on computer.

- Confirm settings in sync software to locate file save location. The default location is C:\My Documents\Bushnell.
- Perform a search for the file using search feature on computer.

Problem 17: No more golf course files can be transferred to the device.

- Delete unused files from the device to make room for new files.
- Ensure files deleted from device are safely saved on computer before confirming deletion.
- Approximately ten (10) courses can be stored on your device.

FCC Compliance Statement

This device complies with Part 15 of the FCC interference limits for Class B digital devices FOR HOME OR OFFICE USE. These limits are designed to provide reasonable protection against harmful interference in a residential installation, and are more stringent than "outdoor" requirements.


Operation of this device is subject to the following 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.

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.

The device does not contain any user-serviceable parts. Repairs should only be made by an Authorized Bushnell repair center. Unauthorized repairs or modifications could result in permanent damage to the equipment, and will void your warranty and your authority to operate this device under Part 15 regulations.

The shielded interface cable which is provided must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

	<p>FR Participer à la protection de l'environnement !</p> <p>Ⓢ Cet appareil convient de traitement approprié des déchets ou recyclage.</p> <p>Ⓢ Confirmez-vous dans un point de collecte ou à défaut dans un centre service agréé pour que son traitement soit effectué.</p>
	<p>EN Environment protection first !</p> <p>Ⓢ Your appliance contains valuable materials which can be recovered or recycled.</p> <p>Ⓢ Please do not put your waste in the general waste.</p>
	<p>SK Šchíteť sa die životného prostredia !</p> <p>Ⓢ Toto zariadenie obsahuje cenné materiály, ktoré sa môžu recyklovať.</p> <p>Ⓢ Predtým ako ho vyhodíte, skontrolujte, či existujú vhodné možnosti na jeho ekologické odstránenie alebo recykláciu.</p>
	<p>DE Participieren an der Umweltschutz !</p> <p>Ⓢ Dieses Gerät enthält wertvolle Materialien, die wiederverwertbar sind.</p> <p>Ⓢ Bitte achten Sie bei der Entsorgung nicht nur auf die allgemeine Abfallentsorgung, sondern auch auf eventuelle Entsorgungsmöglichkeiten für Elektroaltgeräte (WEEE/RoHS).</p>
	<p>IT Partecipare alla protezione dell'ambiente !</p> <p>Ⓢ Questo apparecchio contiene dei materiali riciclabili e recuperabili.</p> <p>Ⓢ Conferire questo rifiuto in un punto di raccolta o, a défaut, in un centro servizio agréato per che sia ben trattato e non effluato.</p> <p>Ⓢ Se non è possibile, assicurarsi che il rifiuto venga smaltito in un centro di smaltimento autorizzato.</p>
	<p>ES Participar en la conservación del medio ambiente ! !</p> <p>Ⓢ Este aparato contiene materiales recuperables y reciclables.</p> <p>Ⓢ Entregarlo al final de su vida útil, en un Centro de Recogida Agréado o en uno de sus puntos de recogida, para que sea tratado de forma adecuada.</p>
	<p>FI Osallistua ympäristön suojelemaan !</p> <p>Ⓢ Tämä laite sisältää arvokkaita materiaaleja ja korvausarvoista materiaalia.</p> <p>Ⓢ Tärkeä lähtökohde on, että laite ei pääty yleiseen jätteenkäsittelyyn vaan viiväksikin mahdollisuuksien mukaan jätteen kierrätyksen keskuksi.</p>
	<p>GR Αν συμβάλουμε να γίνει ένας προσηνός για το περιβάλλον !</p> <p>Ⓢ Αυτό το προϊόν περιέχει υλικά που μπορούν να ανακυκλωθούν.</p> <p>Ⓢ Πριν από την απόρριψή του, ελέγξτε αν υπάρχουν διαθέσιμες πληροφορίες σχετικά με την απόρριψη ή την ανακύκλωση.</p>
	<p>PT Proteção ao meio ambiente em primeiro lugar !</p> <p>Ⓢ Seu aparelho inclui materiais valiosos, que podem ser reciclados ou recuperados.</p> <p>Ⓢ Devemos em um ponto de coleta de resíduos.</p>



Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer.

ONE YEAR LIMITED WARRANTY

Your Bushnell product is warranted to be free of defects in materials and workmanship for one year after the date of purchase. In the event of a defect under this warranty, we will, at our option, repair or replace the product, provided that you return the product postage prepaid. This warranty does not cover damages caused by misuse, improper handling, installation, or maintenance provided by someone other than a Bushnell Authorized Service Department.

Any return made under this warranty must be accompanied by the items listed below:

- 1) A check/money order in the amount of \$10.00 to cover the cost of postage and handling
- 2) Name and address for product return
- 3) An explanation of the defect
- 4) Proof of Date Purchased
- 5) Product should be well packed in a sturdy outside shipping carton, to prevent damage in transit, with return postage prepaid to the address listed below:

IN U.S.A. Send To:

Bushnell Outdoor Products
Attn.: Repairs
8500 Marshall Drive
Lenexa, Kansas 66214

IN CANADA Send To:

Bushnell Outdoor Products
Attn.: Repairs
25A East Pearce Street, Unit 1
Richmond Hill, Ontario L4B 2M9

For products purchased outside the United States or Canada please contact your local dealer for applicable warranty information. In Europe you may also contact Bushnell at:

Bushnell Germany GmbH
European Service Centre
Mathias-Brüggen-Str. 80
D-50827 Köln
GERMANY
Tel: +49 221 995568-0
Fax: +49 221 995568-20

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

©2009 Bushnell Outdoor Products



Bushnell®
OUTDOOR
TECHNOLOGY

INNOVATION THAT THRIVES OUTSIDE

Customer Service: (800) 423-3537

www.bushnell.com

©2009 Bushnell Outdoor Products