



# *rino* 120

2-way radio &  
personal navigator®



owner's  
manual  
and  
reference  
guide

Preliminary

© 2002 GARMIN LTD. or its subsidiaries

GARMIN International, Inc.  
1200 E 151<sup>st</sup> Street, Olathe, Kansas 66062 U.S.A.  
Tel. 913/397.8200  
Fax. 913/397.8282

GARMIN (Europe) Ltd.  
Unit 5, The Quadrangle, Abbey Park Industrial Estate, Romsey, SO51 9AQ U.K.  
Tel. 44/1794.519944  
Fax. 44/1794.519222

GARMIN Corp.  
No. 68, Jangshu 2<sup>nd</sup> Road, Shijr, Taipei County, Taiwan  
Tel. 886/2.2642.9199  
Fax. 886/2.2642.9099

All rights reserved. Except as expressly provided herein, no part of this manual may be reproduced, copied, transmitted, disseminated, downloaded or stored in any storage medium, for any purpose without prior written consent of GARMIN. GARMIN hereby grants permission to download a single copy of this manual onto a hard drive or other electronic storage medium to be viewed for personal use, provided that such electronic or printed copy of this manual or revision must contain the complete text of this copyright notice and provided further that any unauthorized commercial distribution of this manual is strictly prohibited.

Information in this manual is subject to change without notice. GARMIN reserves the right to change or improve its products and to make changes in the content without obligation to notify any person or organization of such changes. Visit the GARMIN web site ([www.garmin.com](http://www.garmin.com)) for current updates and supplemental information concerning the use and operation of this and other GARMIN products.

GARMIN, AutoLocate, Personal Navigator, and TracBack are registered trademarks, Rino, MapSource, and Click Stick are trademarks of GARMIN Ltd. or its subsidiaries and may not be used without the express permission of GARMIN Corporation.

May 2002

Part Number 190-00259-00 Rev. A

Printed in Taiwan

## Introduction

### About This Manual

Thank you for choosing the GARMIN Rino. To get the most from your new Rino, take time to read through this owner's manual in order to understand all of the operating features. This manual is organized into four sections.

The **Introduction** section provides FCC and safety information and the Table of Contents.

The **Getting Started** section introduces you to the Rino features, main operating pages and basic navigation methods.

The **Reference** section provides details about using the features of the Rino according to topic. The explanations for each feature in this section are divided into: (1) An overview that discusses the feature and how it functions and (2) A detailed Step-by-Step instruction for using the feature.

Reading the overview may be all that you require to operate features, however, the Step-by-Step instructions are available, if needed.

The **Appendices** contain information on items such as Accessories, Specifications, a Troubleshooting Guide, and an Index by Subject.

#### Standard Package Contents:

- 1 Rino Unit
- 1 Belt Clip
- 1 Carrying Lanyard
- 1 Owner's Manual
- 1 Quick Start Guide
- 1 PC Interface Cable

## Introduction

### FCC Compliance & GMRS Licensing

#### **FCC Compliance**

The Rino 120 complies with Part 15 of the FCC regulations and with Canadian ICES-003 for Class B digital devices. 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 Rino 120 does not contain any user-serviceable parts. Repairs should only be made by an authorized GARMIN service center. Unauthorized repairs or modifications could result in permanent damage to the equipment, and void your warranty and your authority to operate this device.

#### **FCC LICENSING INFORMATION**

The Rino 120 two-way radio operates on General Mobile Radio Service (GMRS) frequencies that are regulated by the Federal Communications Commission (FCC). In order to transmit on these frequencies, you are required to obtain a license from the FCC. An individual 18 years of age or older, who is not a representative of

## Introduction

### Warnings & Precautions

**MAP DATA INFORMATION:**  
*One of the goals of GARMIN is to provide customers with the most complete and accurate cartography that is available to us at a reasonable cost. We use a combination of governmental and private data sources, which we identify (as required) in product literature and copyright messages displayed to the consumer. Virtually all data sources contain inaccurate or incomplete data to some degree. This is particularly true outside the United States, where complete and accurate digital data is either not available or prohibitively expensive.*



**CAUTION: IT IS THE USER'S RESPONSIBILITY TO USE THIS PRODUCT PRUDENTLY. THIS PRODUCT IS INTENDED TO BE USED ONLY AS A NAVIGATIONAL AID AND MUST NOT BE USED FOR ANY PURPOSE REQUIRING PRECISE MEASUREMENT OF DIRECTION, DISTANCE, LOCATION, OR TOPOGRAPHY.**

a foreign government, is eligible to apply for a GMRS license. To apply for a GMRS license, you will need FCC Form 605 (605 Main Form and Schedule F) and FCC Form 159. You can download the application forms from the FCC website at <http://www.fcc.gov/Forms/>. You can also request them through the FCC forms hotline at 1-800-418-FORM (1-800-418-3676). You can file Form 605 on-line at <http://wireless.fcc.gov/uls/>. There is a filing fee associated with this application, which may change from time to time. For information on fees, see the FCC fee information webpage at <http://wireless.fcc.gov/csinfo/feeinfo.html>.”

For questions concerning the license application, contact the FCC at 1-888-CALL-FCC (1-888-225-5322)

### **Warnings and Precautions**

The GPS system is operated by the United States government, which is solely responsible for its accuracy and maintenance. The system is subject to changes which could affect the accuracy and performance of all GPS equipment. Although the GARMIN GPSMAP 182C is a precision electronic NAVigation AID (NAVAID), any NAVAID can be misused or misinterpreted and, therefore, become unsafe.

The electronic chart is an aid to navigation and is designed to facilitate the use of authorized government charts, not replace them. Only official government charts and notices to mariners contain all information needed for safe navigation – and, as always, the user is responsible for their prudent use.

Use the Rino 120 at your own risk. To reduce the risk of unsafe operation, carefully review and understand all aspects of this Owner's Manual—and thoroughly practice operation using the simulator mode prior to actual use. When in actual use, carefully compare indications from the Rino 120 to all available navigation sources, including the information from other NAVAIDs, visual sightings, charts, etc. For safety, always resolve any discrepancies before continuing navigation.

## Introduction

### **LIMITED WARRANTY**

This GARMIN product is warranted to be free from defects in materials or workmanship for one year from the date of purchase. Within this period, GARMIN will at its sole option, repair or replace any components that fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost. This warranty does not cover failures due to abuse, misuse, accident or unauthorized alteration or repairs.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED OR STATUTORY, INCLUDING ANY LIABILITY ARISING UNDER ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE.

IN NO EVENT SHALL GARMIN BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT. Some states do not allow the exclusion of incidental or consequential damages, so the above limitations may not apply to you.

GARMIN retains the exclusive right to repair or replace the unit or software or offer a full refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

To obtain warranty service, contact your local GARMIN authorized dealer. Or call GARMIN Customer Service at one of the numbers shown below, for shipping instructions and an RMA tracking number. The unit should be securely packed with the tracking number clearly written on the outside of the package. The unit should then be sent, freight charges prepaid, to any GARMIN warranty service station. A copy of the original sales receipt is required as the proof of purchase for warranty repairs.

GARMIN International, Inc.  
1200 East 151st Street  
Olathe, Kansas 66062, U.S.A.

Phone: 913/397.8200  
USA Only: 800/800.1020  
FAX: 913/397.0836

GARMIN (Europe) Ltd.  
Unit 4, The Quadrangle, Abbey Park Industrial Estate

Romsey, SO51 9AQ, U.K.  
Phone: 44/1794.519944  
FAX: 44/1794.519222

The GARMIN Rino 120 has no user-serviceable parts. Should you ever encounter a problem with your unit, please take it to an authorized GARMIN dealer for repairs.

The Rino 120 is fastened shut with screws. Any attempt to open the case to change or modify the unit in any way will void your warranty and may result in permanent damage to the equipment.

**Software License Agreement**

BY USING THE Rino 120, YOU AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF THE FOLLOWING SOFTWARE LICENSE AGREEMENT. PLEASE READ THIS AGREEMENT CAREFULLY.

GARMIN grants you a limited license to use the software embedded in this device (the "Software") in binary executable form in the normal operation of the product. Title, ownership rights and intellectual property rights in and to the Software remain in GARMIN.

You acknowledge that the Software is the property of GARMIN and is protected under the United States of America copyright laws and international copyright treaties. You further acknowledge that the structure, organization and code of the Software are valuable trade secrets of GARMIN and that the Software in source code form remains a valuable trade secret of GARMIN. You agree not to decompile, disassemble, modify, reverse assemble, reverse engineer or reduce to human readable form the Software or any part thereof or create any derivative works based on the Software. You agree not to export or re-export the Software to any country in violation of the export control laws of the United States of America.

**Customer Service Product Registration**

*Help us better support you by completing our on-line registration today!*

Have the serial number of your Rino 120 handy and connect to our web site ([www.garmin.com](http://www.garmin.com)). Look for the Product Registration link on the Home page. Also, be sure to record your serial number in the area provided below.

NOTE: If you have previously registered a GARMIN product purchase, we invite you to re-register using our NEW on-line system. Many services provided by our new product registration system are now being automated and re-registering your purchase ensures you the best possible support from GARMIN.

Serial Number:  
\*         \*

**Software License Agreement & Registration**



- Why should you register your GARMIN GPS unit:
- Notification of New Products
  - Lost or Stolen unit tracking

**Introduction**

**Table Of Contents**

Introduction . . . . . x x - x x  
Foreword . . . . . x  
FCC Compliance . . . . . x  
Warnings and Precautions . . . . . x  
Warranty . . . . . x  
Software License/Registration . . . . . x  
Section One: Getting Started . . . . . x  
TBD  
  
Section Two: Reference . . . . . x  
TBD

Preliminary



Introduction

Capabilities

TBD

Preliminary

## Introduction

### Unit Overview



Introduction

Unit Overview

Back View /Additional operations/  
Specifications/Index  
TBD

Preliminary

For the latest free software updates throughout the life  
of your GARMIN products, visit the GARMIN web site at  
[www.garmin.com](http://www.garmin.com)



© 2002 GARMIN Corporation

GARMIN International, Inc.  
1200 E 151<sup>st</sup> Street, Olathe, KS 66062 U.S.A.

GARMIN (Europe) Ltd.  
Unit 5, The Quadrangle, Abbey Park Industrial Estate, Romsey, SO51, 9AQ U.K.

GARMIN Corp.  
No. 68, Jangshu 2<sup>nd</sup> Road, Shijr, Taipei County, Taiwan

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

Part Number: 190-00259-00 Rev. A