



VHF FM Transceiver

VX-2100 Series

VX-2200 Series

Service Manual

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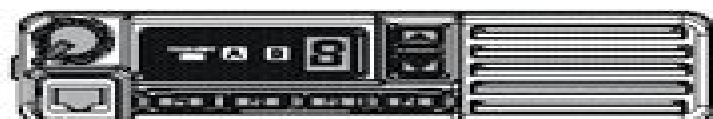
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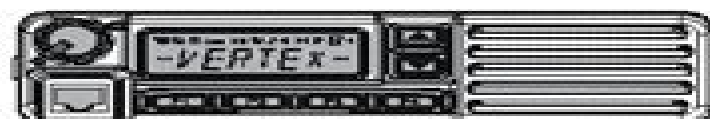
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VX-2100 Series



VX-2200 Series

Introduction

This manual provides the technical information necessary for servicing the **VX-2100/-2200 Series Mobile Transceiver**.

Servicing this equipment requires expertise in handling surface-mount chip components. Attempts by non-qualified persons to service this equipment may result in permanent damage not covered by the warranty, and may be illegal in some countries.

Two PCB layout diagrams are provided for each double-sided board in this transceiver. Each side of the board is referred to by the type of the majority of components installed on that side ("Side A" or "Side B"). In most cases one side has only chip components (surface-mount devices), and the other has either a mixture of both chip and leaded components (trimmers, coils, electrolytic capacitors, ICs, etc.), or leaded components only.

As described in the pages to follow, the advanced microprocessor design of the **VX-2100/-2200** allows a complete alignment of this transceiver to be performed without opening the case of the radio; all adjustments can be performed from the personal computer, using with the Vertex Standard VPL-1 Programming Cable and CE82 Software.

While we believe the information in this manual to be correct, Vertex Standard assumes no liability for damage that may occur as a result of typographical or other errors that may be present. Your cooperation in pointing out any inconsistencies in the technical information would be appreciated.

Important Note

This transceiver was assembled using Pb (lead) free solder, based on the RoHS specification.

Only lead-free solder (Alloy Composition: Sn-3.0Ag-0.5Cu) should be used for repairs performed on this apparatus. The solder stated above utilizes the alloy composition required for compliance with the lead-free specification, and any solder with the above alloy composition may be used.

Contents

Specifications	A-1
DSUB 15-pin Accessory Connector	B-1
Exploded View & Miscellaneous Parts	C-1
Block Diagram	D-1
Circuit Description	E-1
Alignment	F-1
Installation of Option	G-1

Board Units (Schematics, Layouts & Parts)

MAIN Unit	H-1
FRONT-A Unit (VX-2100)	I-1
FRONT-B Unit (VX-2200)	J-1

Optional Units (Schematics, Layouts & Parts)

FVP-25 Encryption/DTMF Pager Unit	K-1
FVP-36 Voice Inversion Type Encryption Unit	L-1

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Table of Contents Vx 3000 Radio Manual

1. Understanding the eBook Vx 3000 Radio Manual
 - The Rise of Digital Reading Vx 3000 Radio Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Vx 3000 Radio Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Vx 3000 Radio Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Vx 3000 Radio Manual
 - Personalized Recommendations
 - Vx 3000 Radio Manual User Reviews and Ratings
 - Vx 3000 Radio Manual and Bestseller Lists
5. Accessing Vx 3000 Radio Manual Free and Paid eBooks
 - Vx 3000 Radio Manual Public Domain eBooks
 - Vx 3000 Radio Manual eBook Subscription Services

- Vx 3000 Radio Manual Budget-Friendly Options
- 6. Navigating Vx 3000 Radio Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Vx 3000 Radio Manual Compatibility with Devices
 - Vx 3000 Radio Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Vx 3000 Radio Manual
 - Highlighting and Note-Taking Vx 3000 Radio Manual
 - Interactive Elements Vx 3000 Radio Manual
- 8. Staying Engaged with Vx 3000 Radio Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Vx 3000 Radio Manual
- 9. Balancing eBooks and Physical Books Vx 3000 Radio Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Vx 3000 Radio Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Vx 3000 Radio Manual
 - Setting Reading Goals Vx 3000 Radio Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Vx 3000 Radio Manual
 - Fact-Checking eBook Content of Vx 3000 Radio Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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