

VX-450 Series

VHF Band Service Manual

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Introduction

This manual provides the technical information necessary for servicing the VX-450 Series Transceiver.

Servicing this equipment requires expertise in handing 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, ECs, etc.), or leaded components only.

As described in the pages to follow, the advanced microprocessor design of the VX-450 Series Transceiver allows a complete alignment of this



16 key Type 4 key Type

Non-key Type

transceiver to be performed without opening the case of the radio; all adjustments can be performed from the front panel, using the "Alignment Mode" menu.

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.

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Vertex Vx 500 User Guide

Michael Rajnik

Vertex Vx 500 User Guide:

Guide for the selection of communication equipment for emergency first responders, *Guide for the Selection of* Communication Equipment for Emergency First Responders ,2002 Guide for the Selection of Communication Equipment for Emergency First Responders National Institute of Justice (U.S.). Office of Science and Technology, 2002 **Drugs** Wieslaw M. Kazmierski, 2011-08-23 This book focuses on new small molecule approaches to combat viral infections The chapters describe the discovery and development from bench through the clinic of relatively recently approved antiviral drugs and compounds in advanced clinical development Organized by a virus such as HIV HCV RSV influenza HBV and CMV and written by top academic and industrial authorities in the field the book provides a unique opportunity to study understand and apply discovery and development principles and learning without the need for an individual to research analyze and synthesize all immense sourcing references Topics showcase challenges and solutions of issues encountered offering tremendous experience accumulated over many years of research that will be particularly useful to basic and bench scientists as well as clinicians as they continue discovering and developing new drugs and therapies CQ ,2003 Security Owner's Stock Guide Standard and Poor's Corporation, 2001 Monthly statistical summary of 5100 stocks World Radio TV Handbook ,1997 Emergency Medical Services ,1994 Amateur Radio .1998 **Popular** Photography ,1989-08 Popular Photography ,1989-07 73 Amateur Radio Today ,1999 Hi-fi News ,2006 Popular Photography, 1989-12 Popular Photography, 1989-03 Popular Photography, 1989-08 PC Magazine ,1996 Popular Photography ,1991-01 MacUser ,1997 Popular Photography, 1989-06

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