



# Dual Band FM Transceiver

## FT-7900R/E

### Technical Supplement

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EH016N93B

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## Introduction

This manual provides technical information necessary for servicing the FT-7900R/E 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 circuit board in the transceiver. Each side of the board is referred to by the type of the majority of components installed on that side ("loaded" or "chip-only"). In most cases one side has only chip components, and the other has either a mixture of both chip and loaded components (trimmers, coils, electrolytic capacitors, ICs, etc.), or loaded components only.

While we believe the technical 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

The 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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# Ft 7900 Service Manual

**Liyong Dong**



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