

ALINCO

UHF FM TRANSCEIVER

DJ-S45 CQ/T/E

Instruction Manual



Thank you for purchasing this ALINCO FM transceiver. This instruction manual contains important safety and operating instructions. Please read it carefully before using the transceiver and be sure to keep it for future reference.

ALINCO, INC.

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Dj-S45 Manual

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IC103, and the crystal filter FL101 selects the signal of

21. <http://l-max.ru/userfiles/canon-i-sensys-lbp5360-user-manual.xml>

7 MHz, then it is amplified at the 1st IF amplifier Q112 after the adjacent signal is eliminated. The signal amplified at the 1st IF amplifier Q112 is supplied to pin 16 of IC104 for demodulation. Also the signal of 21.25MHz from the reference buffer output of IC102, then it is led to pin 1 of IC input signals are mixed in the mixer circuit inside IC104 and converted into the 2nd IF signal of 450kHz. The converted 2nd IF signal is output from pin 3 of IC104. The output signal from pin 3 of IC104 is led to pin 5 of IC104 after eliminating the adjacent channel signal at the ceramic filter FL102. The input 2nd IF signal to pin 5 of IC104 is demodulated at the limiter amplifier and quadrature detector circuits inside of IC104, then output from pin 9 of IC104 as an AF signal. 5. Squelch 6. Audio 7. VCO The AF signal got from pin 9 of IC104 is fed to pin 8 of IC7. The input signal is output from pin 14 of IC104 passing through the noise filter amplifier and rectifier circuits inside of IC104. The volume of output audio signal is adjusted at the volume VR1 via the AF amplifier Q2. The signal is input to pin 2 of audio power amplifier IC1 and output from pin 6 to drive a speaker, etc. The VCO in UHF band consists of the Colpitts oscillator. D103, D105, L114 and L115 determine the oscillating frequency, and the signal is oscillated at the transistor Q106. The oscillated signal is supplied to pin 6 of PLLIC102 passing through the buffer amplifier Q101 and Q107. 3 4 8. PLL PLLIC102 is used to control the oscillating frequency of the VCO. IC102 is controlled by the serial control signal sent from the microprocessor IC2. The 21.25MHz reference frequency of IC102 oscillates the crystal oscillator X101 at the inside circuit. IC102 compares the frequency gained by dividing the signal added to pin 14 of IC2 by the control signal from IC2 with the frequency gained by dividing the reference frequency of 21.25MHz inside IC102.

When the phase difference is found as a result of phase comparison, the pulse signal is output from the charge pump output of pin 16 of IC102, then the signal is converted into the DC voltage at the passive filter and added to the cathode side of the VCO varicap D103 and D105 to make the phases equal. In result the stabilized oscillation can be done at the desired frequency. 2 Transmission 1. Microphone Amplifier The microphone amplifier IC4 has 2 operational amplifiers. The voice is converted into the electric signal through the microphone, then supplied to IC4. The input signal is amplified and preemphasized to be output. The signal output from microphone amplifier is adjusted the maximum frequency deviation at VR102. The adjusted signal is added to the cathode of the VCO varicap D104 for deviation to change the capacity of the oscillation circuit resulting the FM deviation. 2. Power Amplifier The oscillated signal of the VCO is supplied to the power amplifier Q104, passing through buffer amplifier Q107, predriver amplifier IC101, driver amplifier Q105. Press the FUNC once, and press the MONI once. Lock indicator is displayed on the LCD, and presses the key below. Select an item by pressing the FUNC. The MONI is reverse direction. 3 How to change the Squelch. Adjust to the best value just before it turns to decrease. 7. Sensitivity 12dB SINAD. Low Battery AA Battery 14. Low Battery Liion Battery 15. Press PTT to finish Aging. Power Supply 6.0V Turn off the power switch when the adjustment finishes. 25 26 PC BOARD VIEW 1 CPU Unit Side A 26 27 2 CPU Unit Side B 27 28 28 3 MAIN Unit Side A 29 4 MAIN Unit Side B 29 30 30 31 SCHEMATIC DIAGRAM CPU Unit 31 32 32 MAIN Unit 33 BLOCK DIAGRAM 33 34 34 35 35 36 ALINCO, INC. Osaka Japan Printed in Japan PM0088 The transceiver consists of 15 main sections This manual contains information to PLL Adjustment Front Cover CIRCUIT ANALYSIS. The modules are NBFM Narrow Band Frequency Front Cover CIRCUIT ANALYSIS.

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Mobile Communications LBI TABLE OF CONTENTS The ICE2820 differs slightly from this photo. Icom proudly announces the debut of the new dual band DELTA SX MHz RADIO COMBINATIONS NEGATIVE GROUND ONLY Maintenance Manual Required Test Equipment. Preparation Update the firmware according to the procedure displayed in update software. Refer to the Front Cover

CIRCUIT Realignment should Front Cover GENERAL SPECIFICATIONS. This instruction manual contains important safety and operating instructions. Please read it carefully Maintenance Your Two Way Radio is an electronic product Receive Signal Path. Squelch Control. RPP Programming Software Instruction LBI39164 PA Interface. Realignment should therefore not be necessary except in Optimized button layout. Simplified software. Professional FM Transceiver Do not leave the devices in a place with Description. Features. Applications. Block Diagram All information contained in this datasheet is subject to change without prior INTRODUCTION The VXR9000 is commercialgrade 50watt FM repeater designed to provide reliable twoway fullduplex communications EC085U90J Introduction This manual provides technical BLOCK DIAGRAM BASE UNIT Section ANT ANTENNA 2MHz B.P.F. F2 RF Q2 2.2MHz SAW F MIX, OSC, LIMITER, DET U MIX The MDC 1200 signaling system is built into your ICG88 vhf transceiver. IMPORTANT LL co X X X Lti X. C X W N O C. 4 C. Operating Manual. Vertex Standard LMR, Inc. Introduction The VXR9000E is commercialgrade 25watt FM repeater designed to provide reliable twoway fullduplex communications Compact Cassette Recorder FILE NO. Contents XE US PRODUCT CODE No XE US Exploded view. Parts list. Wiring connection. Schematic diagram AMPLIFIER.

Delivering a new standard for high performance in complete wireless microphone systems, TOA Delivering a new standard f high perfmance in complete wireless microphone systems, TOA provides a full range of wireless microphones optimized f general Written bids may be submitted to the GSARC up to Friday, November 23 rd, 2018. Only currently Cobra150GTL DX If you would like to help us put more manuals online support us. SA828U U band, MHz SA828V V band, MHz It is very easy to use with powerful function. This module has full function VHF Users Manual VHF2200 Users Manual This manual provided to the FCC for product guidance, it should not be used by our OEM customers. Scope This document will detail information required to install To use this website, you must agree to our Privacy Policy, including cookie policy. Here you will find ZIP file. ALR205 Instruction manual and schematic.zip, 445 Kbytes. ZIP file.. ZIP file. DJS45 Service manual.zip, 4.802 Kbytes. ZIP file. EMS52 56 Service manual.zip, 470 Kbytes. DR 135, Alinco DR 235, Alinco DR 435 programming interface Programming software for Alinco DR135, Alinco DR235, Alinco DR435, WITH. HELP FILE! Alinco. DR 135, Alinco DR 235, Alinco DR 435 programming software PDF User Manual for Alinco DR135, Alinco DR235, Alinco DR435 Alinco. DR 135, Alinco DR 235, Alinco DR 435 Instructions Manual PDF Dealers Manual for Alinco DR135, Alinco DR235, Alinco DR435 Alinco. DR 135, Alinco DR 235, Alinco DR 435 Dealer Manual PDF Service Manual for Alinco DR135, Alinco DR235, Alinco DR435 Alinco. DR 135, Alinco DR 235, Alinco DR 435 Service Manual Schematics for Alinco DR135 Alinco. DR 135 diagram Mods for Alinco DR 135 MK2 DR135MK2 DR135MK2 The warranty is void when the modification is done. The declared specs are not applicable out of the ham bands. Disconnect the power source. Open the bottom cover by removing the 4 screws located on each corner of the bottom cover surface.

Locate a BLUE looped jumper wire that comes out of a slot on the back of the front control unit it is attached to the back of the front panel on a pad labeled JP3. Remove the jumper and trim the remaining wire properly to prevent a short circuit. Connect the power source and turn on the unit with the FUNC key pressed to reset the microprocessor. Settings will become the factory default. If the display is flashing, you have lost VCO lock and operation is not possible. Alinco does not guarantee any operations outside of the amateur bands. Vypnete radiostanici. PMR Vysilac 3 OBSAH 1. POUZITI BEZDRATOVEHO Stanice je zapnuta Vypnete Midland G8 je prenosna radiostanice, ktera se pouziva temer v cele Evrope. Pro vice informaci doporučujeme projit si schema omezeni pouziti. Midland G8 WTF 800 pracuje na 8 kanalech. Zarizeni je vyrobeno dle IPX7 K zvlastnostem tohoto monitorovaciho prijimace Pri snizujicim Tlacitky volite, jake DMX kanaly bude zarizeni pouzivati. Tlacitko Scanner 1 ovlada kanal Motorola TLKR T5 Pokud budete Radiostanice. Radiostanica. Radioallomas. Radiostacja Rozhrani z tekutych krystalu je vyrobeno z tvrzeného

akrylu. Uvedeny modul je urcen k instalaci pod omtku Navod k pouziti cesky Obsah navodu Diktafon s pameti 4GB, FM radiem a LCD displejem DVR126. Dverni kamerova jednotka. Montaz Videotelefon Rozsah dodavky Tento navod k obsluze je soucasti vyrobku. Obsahuje OBSAH Zvuk se systeme Montazni zada pro handsfree monitor. Vid92041 Pripojte antenu do vystupu ANT na tuneru. Do napajeciho konektoru pripojte stejnosmerne napeti 1116V. Cesky jazyk Samostatne otvirani brany prilozenim cipu na kameru. Instalace mezi kamerou a Tlacitko UZAMCENI Dulezite pokyny Tento navod k obsluze ulozte Tato prirucka obsahuje podrobny popis pouziti, poskytnete Vam informace o produktu, vcetne provozu a technickych Prejdete tak chybam, které by se mohly stat pricinou poskozeni nebo uzamceni radiostanice!!

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