

Created: 07 Nov 2016 **Alinco** DJ-500
Subject: Alinco DJ-500E Frequency Expansion

This document describes how to modify the frequency ranges of the Alinco DJ-500E sold in the EU. The radio is manufactured by Quixiang in an OEM version for Alinco. The following information may not b...
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Created: 15 Aug 2016 **Icom** IC-2730
Subject: IC-2730 Quiet Fan Modification SilenX IPX-13-14

The stock fan on this radio is LOUD and frankly, unacceptable if using the radio as a base station or anywhere near the microphone or even in the same room. This SilenX fan mod is an amazing improveme...
[Click here to view the article.](#)

Created: 16 Aug 2016 **Icom** IC-PCR2500
Subject: Anti aging Icom IC-PCR2500 modification

Anti aging Icom IC-PCR2500 modification The excellent Icom IC-PCR2500 dual scanner is a one of its kind with SW-VHF-UHS-SHF reception capabilities, and decoding options for D-Star and Motorola P25. ...
[Click here to view the article.](#)

Created: 16 Aug 2016 **Icom** IC-2820
Subject: IC-2820 micro Verlaengerung und Verlaengerungskabel Bedienteil

Mikrofonverl-ngerung-IC2820.pdf Der Mikrofonanschluss am IC2820 ist direkt am Gerdt angebracht. Will man das Gerdt abgesetzt vom Bedienteil betreiben, z.B. unter dem Fahrersitz geht das nur...
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Created: 18 Aug 2016 **Icom** IC-260
Subject: IC-260E fault repair

Audio reports on this rig were that a tone could be heard under the speech on FM, but not on SSB. An examination of the schematic showed that this fault must be somewhere either in the microphone ampl...
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Created: 24 Aug 2016 **Icom** PS126

Subject: Easy change input voltage 100v to 200v or 200v to 100v on ICOM PS-126

Hello ... you can see at the picture 2 pins with 100V and another with 200V if your power supply are original at 200v ... open the PS-126 and change 200v to 100v Picture: IMG-0097.JPG At this picture ...

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Created: 24 Aug 2016 **Icom** PS126

Subject: Adjust the output voltage in PS-126 and PS-125

This is the internal view of the power supply ICOM PS-125 or PS-126 Picture: IMG-0091.JPG This is the VR to change output voltage from your power supply, take care and use good voltage meter to adjust...

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Created: 30 Aug 2016 **Icom** IC-V8000

Subject: IC-V8000 2.5 khz Transmit for Part 90

After Modifying the IC-V8000 for wideband transmit by cutting D13 on the logic board. You can transmit on a 2.5 khz split BUT NOT RECEIVE ONE. But Using Chirp Software. For Example: If you ente...

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Created: 26 Sep 2016 **Icom** IC-7100

Subject: Radio will not power up due to DC-DC Converter problem IC-7100

If your radio won't fire up, check the DC-DC converter IC 1001 on the Main Unit. IC 1001 is the 3,3Volt power rail and will supply the main CPU. If this component fails your radio will not fire ...

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Created: 01 Oct 2016 **Icom** IC-7600

Subject: HAM bands only coverage for IC-7600

Here's a slightly unusual mod that may be of use to contesters or situations where ham bands only are either necessary or permitted. ie: NO GENERAL COVERAGE RECEIVE OR TRANSMIT IS POSSIBLE. The...

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Created: 02 Nov 2016 **Icom** IC-740

Subject: Increase internal mic level use modern microphone like hm-36 (non amplified)

INCREASE AF MICROPHONE SIGNAL ON IC-740 use hm-36 moden microphoneAF signal from the mic connector is amplified by IC3 on main unit.The icom ic-740 have a built in priamplifier into original mi...

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Created: 06 Jul 2016 **Kenwood** TS-940

Subject: Loss of Xmit mode on TS-940S

Troubleshooting a loss of SSB xmit on my TS-940S/AT (AM & CW had full power), I tried cleaning a couple of the mini-molex connectors, and found several that made a difference, SO - I cleaned them ...

[Click here to view the article.](#)

Created: 08 Jul 2016 **Kenwood** TR-2500

Subject: TR-2500/2600 2-channel programming

The instruction manuals for the Kenwood TR-2500 and TR-2600 describe how to program ten channels into the memory - but what if you wanted to listen to only two? I've found out that this...

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Created: 22 Jul 2016 **Kenwood** TS-440

Subject: S-Meter Adjust - Service Manual Error on TS-440S

Service Manual page 93, #9 1. No signal (SSG off, but connected). Adjust VR2 to set meter at zero.2. SSG set to 14.175 at 8dBu (2.51uV) 1.25uV RMS. Transceiver 14.175 USB. Adjust L3 for S1 reading on...

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Created: 28 Sep 2016 **Kenwood** TH-D74

Subject: TX frequency modification on Kenwood TH-D74

In order to open the TX on an TH-D74E(E) you need to remove R761. Auto-Repeater-Shift is still functional after this mod.

[Click here to view the article.](#)

Created: 28 Sep 2016 **Kenwood** TS-990

Subject: Adjustment on Kenwood TS-990

To access the Service Menu a "Adjustment Jig" is required. To achieve this connect pins 8 & 9 on the ACC2 plug provided with the radio. VK4FO Gordon.

[Click here to view the article.](#)

Created: 02 Oct 2016 **Kenwood** GENERAL

Subject: Kenwood MJ-88 Adaptor Wiring For Kenwood TS-480SAT, HX

Wiring to make a Kenwood Homebrew MJ-88 Adaptor. Wiring For Kenwood TS-480SAT and HX

[Click here to view the article.](#)

Created: 05 Oct 2016 **Kenwood** MC-60

Subject: Wiring for stock Kenwood MC-60A cable with RJ-45 plug fitted

Wiring for stock Kenwood MC-60A Cable with RJ-45 plug. I found by doing it this way instead of using the optional MJ-88 adaptor that it stopped the common problem of RFI.

[Click here to view the article.](#)

Created: 12 Oct 2016 **Kenwood** R-1000

Subject: Replacing bulbs on Kenwood R-1000

The 3 bulbs in the R-1000 did fail. They are fed by 12v DC straight from the power-supply print. I replaced them by amber 5mm LED's with some 680ohm in series each. For the mode-switch I used 2 ...

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Created: 13 Oct 2016 **Kenwood** TH-D74

Subject: Extended Tx Frequency Mod for Kenwood TH-D74

This is a step by step PDF file with pictures to mod your Kenwood TH-D74 for full Tx on VHF/UHF. After performing the mod, the radio will TX from 136 MHz to 174 MHz and from 410 MHz to 470 MHz. Kenwo...

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Created: 05 Nov 2016 **Kenwood** TM-D700

Subject: Adding internal voltage regulator for GPS power on Kenwood TM-D700

TM-D700: Adding internal voltage regulator for GPS power. Filippo Ottone IZ1FKS (iz1fks@aricasale.it) November 2016 Warning: This modification might damage your radio, void the warranty, a...

[Click here to view the article.](#)

Created: 19 Sep 2016 **MFJ** MFJ-1925

Subject: MFJ-1225 schematic and modification

The schematic is for the MFJ-1925 Antenna Controller for use with the Yaesu ATAS Antenna. This is a reverse engineered drawing. all of the components such as disc capacitors are not shown. I could not...

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Created: 28 Sep 2016 **MFJ** MFJ-1925

Subject: Mods for the MFJ-1925 ATAS antenna controller

I have a mobile set up with the Icom 706 Mk IIG, a Yaesu ATAS 120 antenna and an MFJ 1925 controller for the antenna. This makes a sweet mobile station! A couple things about the MFJ controller bothe...

[Click here to view the article.](#)

Created: 15 Aug 2016 **Midland/Alan** MISC

Subject: Midland WR-120 Power Supply Mod

Midland WR120-EZ Power Supply Modification I purchased a WR120 in 2016 to replace my old weather radio. I worked great until I plugged in the AC supply. Once plugged in, the radio only received noise...

[Click here to view the article.](#)

Created: 09 Aug 2016 **Motorola** OTHER

Subject: Mod to Motorola Spirit Pager to RX local 2m Repeater.

Motorola Spirit VHF Pager Mod to receive local 2M Repeater, I did this several years ago when Xtals were cheaper!. Spirit-Pager-Mod.pdf

[Click here to view the article.](#)

Created: 17 Jul 2016 **Other** MISC

Subject: QYT - KT-8900 Packet Mod (Audio from discriminator)

This is a chinese cheap 20W 144/440MHz mobile radio, but have two wrong design thinks to connect friendly this unit with your sound card because them not have a external speaker jack, also the squelch...

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Created: 29 Jul 2016 **Other** RCI-2950

Subject: Interface for PSK31 and digital modes on Ranger RCI-2950

Here is a modification I recently did at an old RCI-2950 to be able to run PSK31 at 28.120 MHz. Key element is the switch SW1 that allows to break down the connection from MIC and PTT...

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Created: 04 Aug 2016 **Other** MISC

Subject: Frequency modification nad power controls for Philips FM-320

To see the article doenload this article in PDF. Fm320-mod.PDF

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Created: 12 Aug 2016 **Other** MISC

Subject: Heil iCM Upgrade

I should have called this article "The Heil iCM mic exposed". Before I get into discussing this mic, I want you to understand that I believe all Heil microphones are made of high quality materials, an...

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Created: 16 Aug 2016 **Other** MISC

Subject: Improving Baofeng UV-82 2 button speakermic.

If you have one of these, you no doubt have found that the upper button operates roughly and some times not at all (is intermitten). I have experienced this on 4 of these mics and here is the fix fo...

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Created: 17 Sep 2016 **Other** MISC

Subject: Diamond GSV3000 overvoltage protection

Below is my new article of mods of supply Diamond GSV3000 to prevent destruction of our equipment. Best regards, Ludovic - F5PBG. Diamond-GSV3000-Overvoltage-Protection.pdf

[Click here to view the article.](#)

Created: 11 Oct 2016 **Other** MISC

Subject: Voyager VR 9000 frequency modification.

VR9000.pdf VR9000-2.pdf Modification for a Voyager VR 9000 Remove all Resistors on Network for Frequency Range 26,615 - 28,315 Mhz

[Click here to view the article.](#)

Created: 30 Aug 2016 **Radio Shack** PRO-2005

Subject: Replacing the Backlight on the display on Radio Shack PRO-2005

The Radio Shack Pro- 2004,2005 and 2006 do mnot use LEDS or pea lamps to illuminate the displays. they use electroiuminescent panels. These panels are a challenge and expensive to get and are av...

[Click here to view the article.](#)

Created: 11 Jul 2016 **Yaesu** FT-897

Subject: Service menu points for FT-897 in Excel

Yaesu-FT-897-Servicemenu-Internal-Menu.xlsx service menu numbers on ft-897 with my menu , readings , works great , to enter serv menu hold A B C then power up transceiver

[Click here to view the article.](#)

Created: 12 Jul 2016 **Yaesu** FT-991

Subject: Add Extra PTT control for foot PTT or EME sequencer on FT-991

In the present article you will find the way to add an extra PTT line for the FT-991, this mod. works in all modes and is specially to add a foot PTT or a control line for your EME sequencer PTT-FT99...

[Click here to view the article.](#)

Created: 16 Jul 2016 **Yaesu** FT-897

Subject: FT-857/897 undocumented feature

I bought the FT897 around 2002, and even before I first turned it on, I decided to open it (just the way I am), and noticed four pads on the main board. I thought those were service points, and didn't...

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Created: 25 Jul 2016 **Yaesu** VX-5R

Subject: VX-5R's Power On/Off Knob's problems

I've got my VX-5R in 2002 as a gift, when I was going to be a pensioner, by my collaborators that knew I' am an OM. In 2009 I had the first trouble with rubber Knob Key Board when it was ne...

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Created: 28 Sep 2016 **Yaesu** FT-736

Subject: No Tx all bands on Yaesu FT-736R

The Tx board has no output. Found that Q26 & Q27 both were faulty stopping correct bias for Q10 via R46 which is different to circuit shown in manual. Pin 10 of Q26 should go to approx 7 volt...

[Click here to view the article.](#)

Created: 29 Sep 2016 **Yaesu** MH-31

Subject: Yaesu MH-31 audio improvement

Dear all, after using some Yaesu FT-8x7 transceivers since years and sometimes using the stock MH-31 handmike I didnt expect that there is anything out to improve which I do not know o...

[Click here to view the article.](#)

Created: 04 Oct 2016 **Yaesu** FT-DX3000

Subject: HOW-TO set up the Yaesu FTDX3000 using internal USB interface for Fldigi

Operating the FTdx3000 and Fldigi using the radios built in USB port. In my PSK31 travels I have encountered other hams also using a Yaesu FTDX3000 with an external interface such as a Signalink. As ...

[Click here to view the article.](#)

Created: 28 Oct 2016 **Yaesu** FT-891

Subject: Undocumented factory reset procedure and servicemenu for Yaesu FT-891

Press and hold the buttons "F" and "Clar" while pressing power on. This reset is nowhere mentioned in the manual and can be used when the menu is no longer accessible. To access the service menu of ...

[Click here to view the article.](#)

Created: 02 Nov 2016 **Yaesu** FT-891

Subject: FT-891 MARS modification

This modification gives the FT-891 a continuous TX range of 1.8 - 56 Mhz. 73s de Ruedi Walther, HB9TTU

[Click here to view the article.](#)

Created: 09 Jul 2016 **Measuring** OTHER

Subject: Low cost digital volt meter

These meter modules are everywhere on EBay for about \$3.00. I cut a wall wart open with a Dremel tool (cutoff wheel). I then masked off the front of the wall wart and cut an opening to fit...

[Click here to view the article.](#)

Revised articles since our last newsletter.

Note, sometimes it can be difficult to see the changes since the update can be a little correct in the text, but sometime the update can be a new picture to the existing article.

Updated: 06 Jul 2016 **Icom** IC-9100

Subject: Icom IC-9100 RX/TX mods (MARS/CAP)

RX and TX modification of IcomIC-R9100. Download the complete PDF file here. Download also the complete MARS/CAP modification (Updated 6 july 2016) in PDF here.

[Click here to view the article.](#)

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