

This Information Is Provided By
CBTricks.com

How to modify the frequency range
of the Magnum 1 transceiver.

Liability of damages to any equipment is the sole responsibility of the user!
Downloading, viewing, or using any information provided on these pages
automatically accepts the user to the terms of this agreement!
Modifications are provided for information purposes only!
Supporters of CBTricks.com paid for the hosting so you would have this file.

CBTricks.com is a non-commercial personal website was created to help promote the exchange of service, modification, technically oriented information, and historical information aimed at the Citizens Band, GMRS (CB "A" Band), MURS, Amateur Radios and RF Amps.

CBTricks.com is not sponsored by or connected to any Retailer, Radio, Antenna Manufacturer or Amp Manufacturer, or affiliated with any site links shown in the links database. The use of product or company names on my web site is not endorsement of that product or company.

The site is supported with donations from users, friends and selling of the Site Supporters DVD's to cover some of the costs of having this website on the Internet instead of relying on banner ads, pop-up ads, commercial links, etc. Thus I do not accept advertising banners or pop-up/pop-under advertising or other marketing/sales links or gimmicks on my website.

All the money from donations is used for CBTricks.com I didn't do all the work to make money (I have a day job). This work was not done for someone else to make money also, for example the eBay CB sellers.

All Trademarks, Logos, and Brand Names are the property of their respective owners.
This information is not provided by, or affiliated in any way with any radio or antenna Manufacturers.

Thank you for any support you can give.

For information on how to Support CBTricks.com
<http://www.cbtricks.com/support/>

The user is solely responsible for making sure that any modifications made to the radio unit must meet all Federal and State Regulations or the Country of use! Liability of damages to any equipment is the sole responsibility of the user! Downloading, viewing, or using any information provided on these pages automatically accepts the user to the terms of this agreement! Modifications are provided for information purposes only! Disclaimer: CBTricks.com does not warrant the accuracy of the information contained herein nor is it responsible for any errors or omissions and assumes no liability for the content on this site. While CBTricks.com uses reasonable efforts to include accurate and up to date information, CBTricks.com makes no warranties or representations as to its accuracy or timeliness and assumes no liability or responsibility for any errors or omissions in the content of this site.

Magnum 1 Frequency Modification

The Magnum 1 has three frequency configurations:

Band 1: 12 and 10 Meter Amateur Bands (stock configuration)

Band 2: Expanded Frequency with 80 Channels per Band

Band 3: Expanded Frequency with CB 40 Channels

Band 1 Frequency List

A: 24.890 ~ 24.990 MHz (12 Meter Band)

B: 28.000 ~ 28.395 MHz (10 Meter Band)

C: 28.400 ~ 28.795 MHz (10 Meter Band)

D: 28.800 ~ 29.195 MHz (10 Meter Band)

E: 29.200 ~ 29.595 MHz (10 Meter Band)

F: 29.600 ~ 29.700 MHz (10 Meter Band)

Band 2 Frequency List

A: 24.500 ~ 25.300 MHz

B: 25.615 ~ 26.505 MHz

C: 26.515 ~ 27.405 MHz

D: 27.415 ~ 28.305 MHz

E: 28.315 ~ 29.205 MHz

F: 29.215 ~ 29.995 MHz

Band 3 Frequency List

A: 26.065 ~ 26.505 MHz

B: 26.515 ~ 26.955 MHz

C: 26.965 ~ 27.405 MHz (CB Channels 1 ~ 40)

D: 27.415 ~ 27.855 MHz

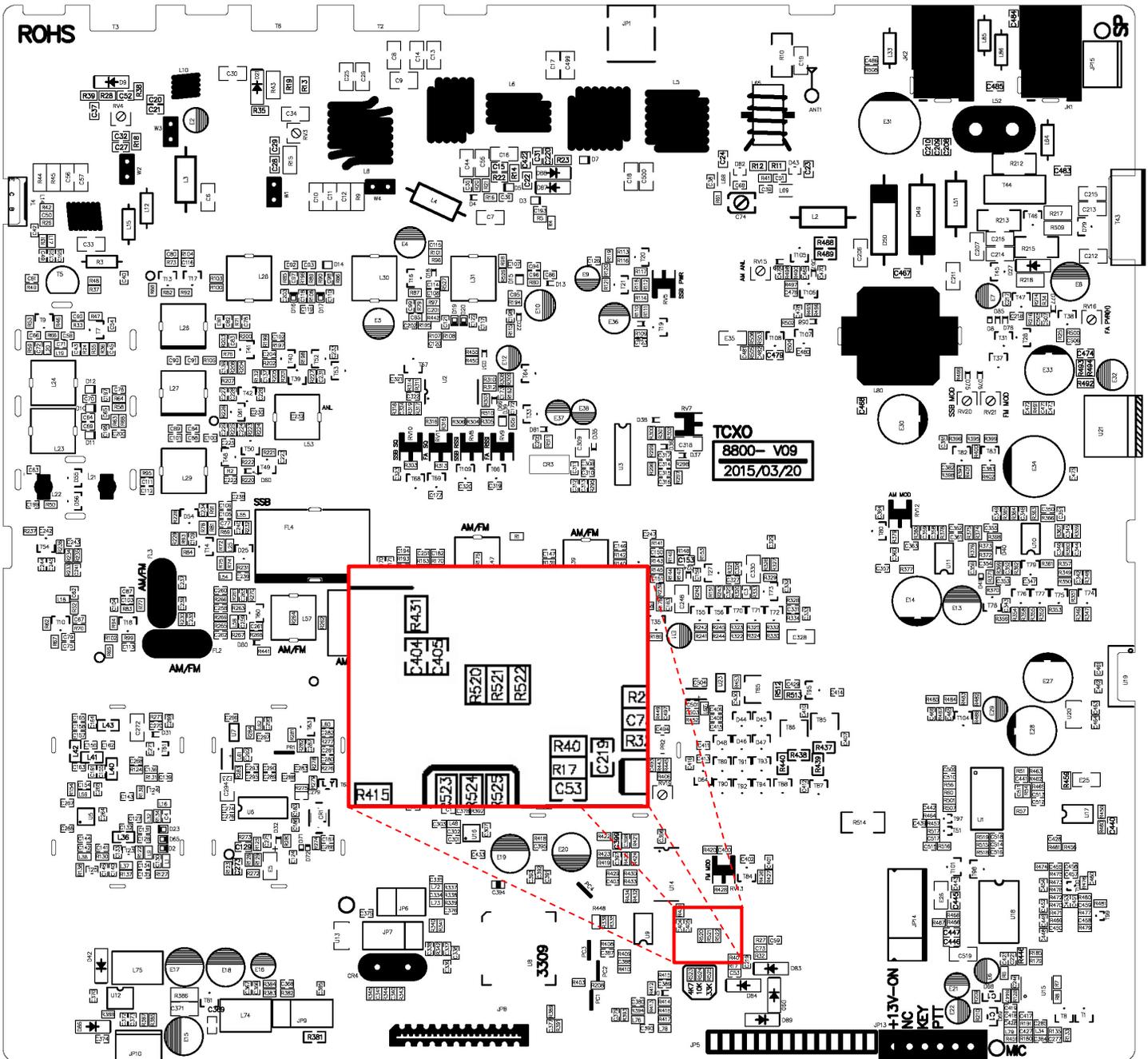
E: 27.865 ~ 28.305 MHz

F: 24.499 ~ 29.999 MHz (Freeband Mode* - Continuous Tuning)

* In Freeband mode, the radio's clarifier setting must be set to "rt". Refer to the Menu Settings section of radio owner's manual.

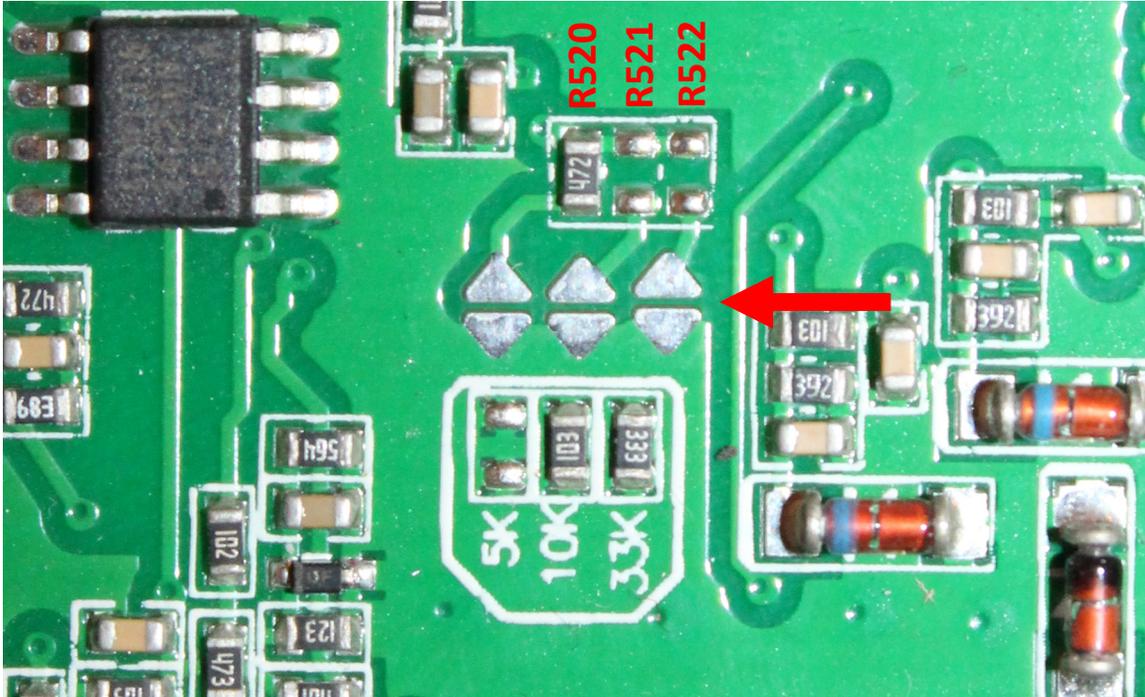
The user is solely responsible for making sure that any modifications made to the radio unit must meet all Federal and State Regulations or the Country of use! Liability of damages to any equipment is the sole responsibility of the user! Downloading, viewing, or using any information provided on these pages automatically accepts the user to the terms of this agreement! Modifications are provided for information purposes only! Disclaimer: CBTricks.com does not warrant the accuracy of the information contained herein nor is it responsible for any errors or omissions and assumes no liability for the content on this site. While CBTricks.com uses reasonable efforts to include accurate and up to date information, CBTricks.com makes no warranties or representations as to its accuracy or timeliness and assumes no liability or responsibility for any errors or omissions in the content of this site.

1. On the main board, near the front of the radio, are 3 resistor locations: R520, R521 and R522 (see diagram below for location). These 3 resistors determine the frequency configuration of the radio. Note: In the stock configuration, only R520 is populated with a 4.7K ohm resistor. This resistor stays at R520.



The user is solely responsible for making sure that any modifications made to the radio unit must meet all Federal and State Regulations or the Country of use! Liability of damages to any equipment is the sole responsibility of the user! Downloading, viewing, or using any information provided on these pages automatically accepts the user to the terms of this agreement! Modifications are provided for informational purposes only! Disclaimer: CBTricks.com does not warrant the accuracy of the information contained herein nor is it responsible for any errors or omissions and assumes no liability for the content on this site. While CBTricks.com uses reasonable efforts to include accurate and up to date information, CBTricks.com makes no warranties or representations as to its accuracy or timeliness and assumes no liability or responsibility for any errors or omissions in the content of this site.

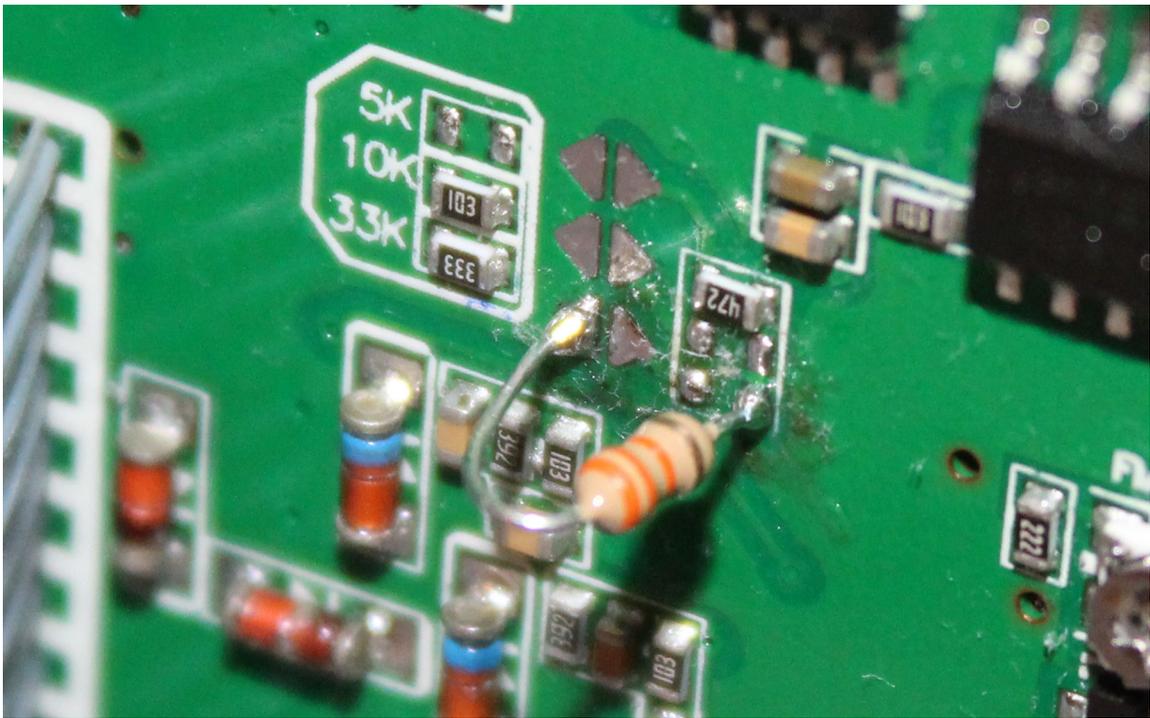
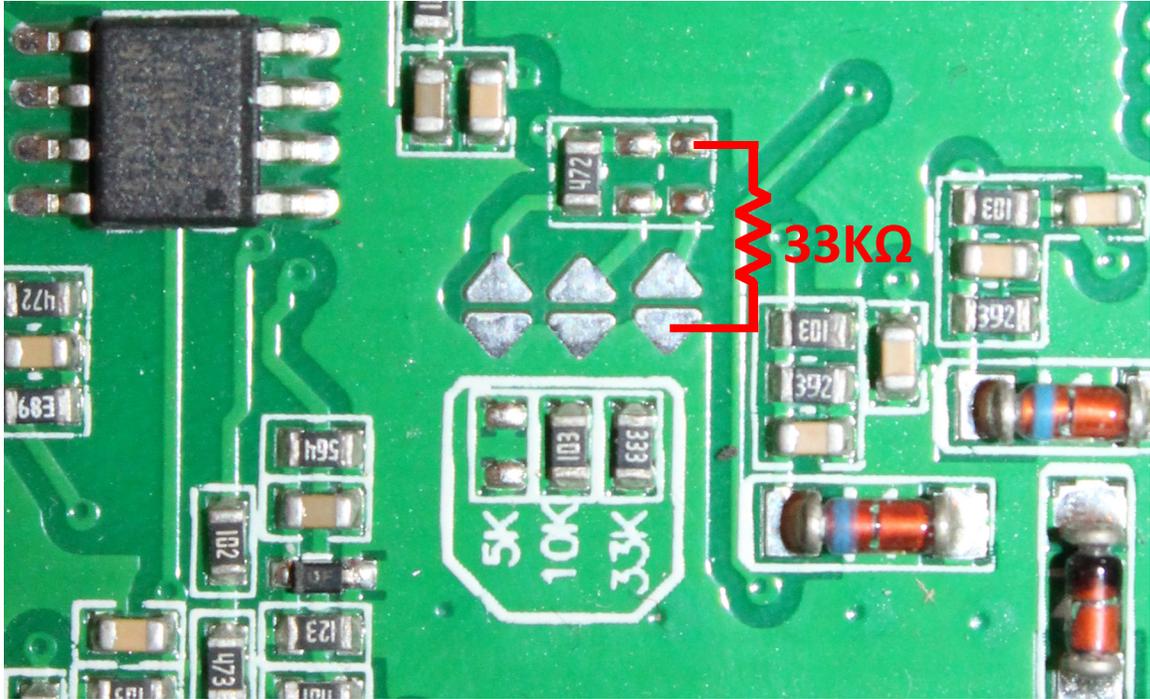
- Next to each of these 3 resistor locations (and connected to them by traces) is a set of triangular shaped solder jumper pads (see photo below, red arrow).



- Installing a 10K ohm resistor at R521 will change the radio's frequency configuration to Band 2 (see page 2 of this document).
- Installing a 33K ohm resistor at R522 will change the radio's frequency configuration to Band 3 (see page 2 of this document). Note: Band 3 is the preferred frequency configuration and this is what is shown below.

The user is solely responsible for making sure that any modifications made to the radio unit must meet all Federal and State Regulations or the Country of use! Liability of damages to any equipment is the sole responsibility of the user! Downloading, viewing, or using any information provided on these pages automatically accepts the user to the terms of this agreement! Modifications are provided for information purposes only! Disclaimer: CBTricks.com does not warrant the accuracy of the information contained herein nor is it responsible for any errors or omissions and assumes no liability for the content on this site. While CBTricks.com uses reasonable efforts to include accurate and up to date information, CBTricks.com makes no warranties or representations as to its accuracy or timeliness and assumes no liability or responsibility for any errors or omissions in the content of this site.

5. Install a 1/8 watt, 33K ohm resistor from top pad of R522 to bottom triangular jumper pad, as diagramed and shown in photos below.



6. After modification, the radio display will briefly show the frequency configuration band number when turned on.

The user is solely responsible for making sure that any modifications made to the radio unit must meet all Federal and State Regulations or the Country of use! Liability of damages to any equipment is the sole responsibility of the user! Downloading, viewing, or using any information provided on these pages automatically accepts the user to the terms of this agreement! Modifications are provided for information purposes only! Disclaimer: CBTricks.com does not warrant the accuracy of the information contained herein nor is it responsible for any errors or omissions and assumes no liability for the content on this site. While CBTricks.com uses reasonable efforts to include accurate and up to date information, CBTricks.com makes no warranties or representations as to its accuracy or timeliness and assumes no liability or responsibility for any errors or omissions in the content of this site.