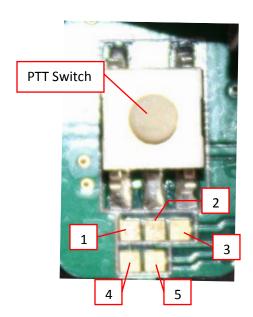
Magnum 1012 Frequency Modification - rev. A

Preparing 1012 for Modification

- 1. Turn unit off.
- 2. Open PTT rubber button (as shown below).
- 3. Locate the 5 solder pads below PTT switch on internal circuit board.
- 4. Clear ALL solder bridges off pads 1 5.

IMPORTANT: After removing all solder bridges use a digital volt meter to make sure the pads are cleared and there is no continuity between any of the pads! Next use a cotton swab dipped in alcohol to clean all pads thoroughly.





Frequency Modification

The Magnum 1012 has eleven different frequency and mode selections:

Code 1: 10 Meter Band (28.000 – 29.690MHz), AM/FM/SSB Code 2: 12 Meter Band (24.890 – 24.990MHz), AM/FM/SSB Code 3: 454 channels (25.165 – 29.655MHz), AM/FM/SSB

Code 4: 454 channels PL (25.160-29.650MHz, '0' Raster), AM/FM/SSB Code d: German 80 channel CB (26.565 – 27.405MHz), AM(1 Watt)/FM/SSB

Code EU: 40 channel CB (26.965 – 27.405MHz), AM(1 Watt)/FM/SSB

Code E: 40 channel CB (26.965 – 27.405MHz), AM/FM/SSB

Code PL: 40 channel CB (26.960 – 27.400MHz, '0' Raster), AM/FM/SSB

Code U1: UK 40 channel CB (27.601 – 27.991MHz), AM/FM/SSB Code U2: UK 40 channel CB (26.965 – 27.405MHz), AM/FM/SSB Code US: USA 40 channel CB (26.965 – 27.405MHz), AM/SSB

Modification Procedure for Codes d, EU, E, PL, U1, U2, and US Only:

- 1. Make sure that the initial steps 1 4, *Preparing 1012 for Modification*, are completed.
- 2. Turn OFF unit.
- 3. Press and hold ML/MS button.
- 4. Turn ON unit.
- 5. Release ML/MS button.
- 6. Radio display will show codes (d US).
- 7. Press UP and DOWN buttons to select desired code.
- 8. Turn OFF unit to set selected code.
- 9. Turn ON unit again to operate on set code.

Modification Procedure for All Codes:

- 1. Make sure that the initial steps 1 4, *Preparing 1012 for Modification*, are completed.
- 2. Turn OFF unit.
- 3. Open PTT rubber button to expose the 5 solder pads below PTT switch.
- 4. Use tweezers or other conductive metal object to temporarily short pads 1 and 2 together (see photo above for pad 1 and 2 location).
- 5. While shorting pads together, turn ON unit.
- 6. Radio display will show all codes. Note: If the radio display does not show the code, then the pads were not properly shorted together when the radio was turned on and steps 4 and 5 need to be repeated.
- 7. Press UP and DOWN buttons to select desired code.
- 8. Turn OFF unit to set selected code.
- 9. Turn ON unit again to operate on set code.

Optional Steps to Permanently Set a Specific Code

- 10. Turn OFF unit.
- 11. Permanently short pads 2 and 3 together with solder or a small piece of wire.
- 12. Turn On unit.

Radio Operation in Expanded Modes:

- 1. The Magnum 1012 will display either the frequency or the channel and band when in expanded mode. Toggle between the frequency display and the channel/band display, press the FUNC button and then press the STEP/CH FQ button.
- 2. To change bands in expanded mode, press the CALL / LOCK button.