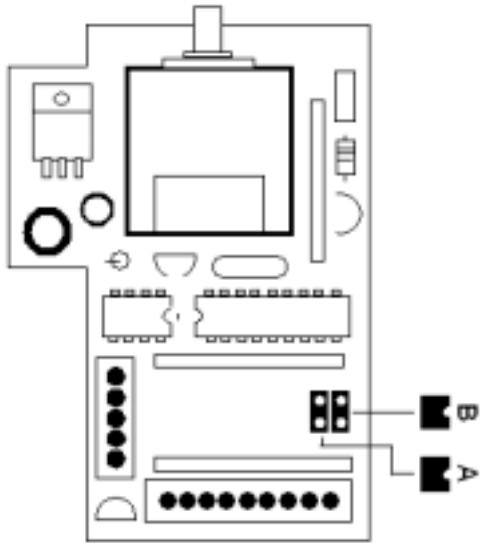
MAGNUM S3 EXPORT FREQUENCY CONVERSION



Channel Board

Note: See Quick Notes for more info

MODE	A	B
10 Meter Fixed Program	ON OFF OFF	ON ON OFF

Note: Program Mode allows individual programming of each Band Position. Jumper B is placed back ON after completion to lock Bands in place. Jumper A is OFF in this mode to allow Full Frequency Expansion.

Jumper Diagram

Introduction:

The Magnum S3 is programmed for the 10 Meter Amateur Band out of the box, and covers a range of 28.315 - 29.655 Mhz. The frequency range can be extended for Export Use in 6 Band segments each containing 40 Channels. These 6 bands can be set to Fixed Mode (26.065 - 28.755Mhz), or in a Programmable Mode (Any combination of Six 40 channel blocks between 25165 - 30.105 Mhz.. All of these methods are described in detail below.

10 Meter Mode:

This is the factory default mode and requires both Jumpers A and B to be in place.

Fixed Mode:

This mode is pre-set to 6 Bands (C through H) (26.065 - 28.755 Mhz) and made available by simply removing Jumper A (shown above) from the Channel Board. See the Jumper Diagram shown above for details.

Programmable Mode:

This feature allows the radio to be setup into 6 separate bands, each individually programmed to cover any 40 channel segments you choose between 25.165 - 30.105 Mhz. For instance, if you wanted Bands A and B to be setup to cover 25.165 - 26.055 Mhz, Band C to be the CB Band 26.965 - 27.405 Mhz, then Bands D, E, and F to cover 10 Meters at 28.315 - 29.655 Mhz, the “Program Mode” can be used to set this up.

This may seem a little awkward at first, but once you understand how to setup the bands, the task is simple and painless. First, set the radio’s Band Selector to position A. Next, Remove Both Jumpers A & B from the Channel Board. Notice that the Channel Display now indicates a letter A through L (K is skipped),.instead of the Channel number. Carefully short the pins of Jumper A on the Channel Board using a small screwdriver, (or the shunt block). Notice that the Channel Display advances to the next Band Letter each time the pins of Jumper A are shorted. Continue advancing the letters on the display until you see the desired band for Position A of the Band Selector. Move the Band selector to position B, and again short the jumper pins of A until you see your choice for Band B. Repeat this for each of the 6 Band positions and when the last is done, replace Jumper B ON the block to Lock them into Memory. Leave Jumper A OFF to keep the unit in the Full Frequency Expansion mode to complete the programming process.

Quick Reference: Jumper B OFF = Programming Mode Jumper A OFF = Full Frequency Expansion
Jumper B ON = Programming Locked Jumper A ON = 10 Meter Band Only