Tait 900 Mhz Ham Programming with Dip Switches
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The Tait T800 Tx and RX strips program in Binary steps on a BCD switch The least significant bit is on the left end of the switch (rear most on chassis). (Top Side)

The Rom is programmed for what is written on the case (and on the ROM) on both the TX and RX. For most Ham Applications it is set up that channel 0 TX is 926.5000 and Channel 0 RX is 902.0000.(all switches on, closed, or to the right)
The way to set the freq is to take your assigned pair and subtract 926.5000 from the tx and 902.0 from the rx. You divide each of these numbers by 12.5 and the answer is the number of steps of BCD you need to count up.

For example. Use 927.4875 TX and 902.4875 RX

927.4875-926.500= .9875 which we will use in the next step.
Divide .9875 by .0125 (12.5kHz) = 79
We need to program the dip switches for 79 binary

The switches are from back to front.

1	2	3	4	5	6	7	8	(sw position in block)
1	2	4	8	16	32	64	int/ext	(BINARY Value)

All should be to the right when starting (closed or on) (facing front of repeater). (Chan 0)
In this case flip sw7, (64) sw4 (8) sw3 (4) sw2 (2) and sw1 (1) into the left position (Off or open) to generate channel number 79. 64 +8 +4 +2 +1 = 79

Switch 8 is always to the right (on or closed) !!!!!!!!!!! if you set it to the left it is expecting external channel select and the internal switches will not work…

The same goes for the RX side…
902.4875 is the example…
902.4875-902.000 (ch 0) = .4875
.4875 divided by .0125 = 39

We need to set sw6 (32) sw3 (4) sw2 (2) and sw1 (1) to the left.. All others to the right…
And the freq should now be 902.4875.

For more info look in the manual, and read the factory description..

The point is there are 128 channels programmed in rom in both TX and RX.
Ch0 of TX = 926.5000
Ch0 of RX = 902.0000
Each flip of a count in binary is equal to 12.5 khz or up (1) 12.5 khz channel.