

CENTURION PLL/FANFARE 350/SPARTAN PLL/GLADIATOR PLL/  
AND OTHER RADIOS

1. HOW TO MAKE 32 EXTRA CHANNELS.

- A. Put the extra switch (one transfer circuit) on.
- B. Put the diode (1N60) on between the extra switch and pin #21 IC7 (UPD858C). The cathode side of the diode should face toward the switch.
- C. Cut the island of pin #19 of IC7 (UPD858C), and put the resistor 4.7 OHM on between the two islands which were separated.
- D. Connect the lead wire between the empty position of the switch and the separated island from the pin #19.
- E. Realign on transmitter to make the minimum difference of RF output power between channel #1 and #40.
- F. Realign on transmitter to make the minimum difference of receiver sensitivity between channel #1 and #40.
- G. Check the P.L.L. circuit as well.

Turning the extra switch on, you can enjoy additional 32 channels on your unit. The center frequency of the extra channels are as follows:

<u>Channel</u>	<u>Freq.</u> <u>(MHz)</u>	<u>Channel</u>	<u>Freq.</u> <u>(MHz)</u>	<u>Channel</u>	<u>Freq.</u> <u>(MHz)</u>
8	27.455	19	27.585	30	27.705
9	27.465	20	27.605	31	27.715
10	27.475	21	27.615	32	27.725
11	27.485	22	27.625	33	27.735
12	27.505	23	27.655	34	27.745
13	27.515	24	27.635	35	27.755
14	27.525	25	27.645	36	27.765
15	27.535	26	27.665	37	27.775
16	27.555	27	27.675	38	27.785
17	27.565	28	27.685	39	27.795
18	27.575	29	27.695	40	27.805