

7. Programming

Versions:

The HT644 can be programmed to operate as four different versions:

'A' – All features available. (Typical default for UK sales)

'B' – USA and Canadian modes not available, No WX channels. (Typical default for European sales)

'C' – USA and Canadian modes not available, No WX channels, no scrambler

'D' – Programmable channel line up. (Ideal for commercial applications)

PROGRAMMING PROCEDURE

To change version:-

Press 16/9 and A/B and switch power on - switch off as soon as display flashes.

Press 16/9 and MEM and switch power on – hold buttons in until the version (A,B,C or d) appears on the display.

Using up/down buttons select desired version and press MEM to store.

Switch radio off to complete. The version of the radio has now been set. This can be changed back at any time.

To program private channels, maximum 36:

Press WX and MEM and switch power on - switch off as soon as display flashes.

Press WX and MEM and switch power on this time holding buttons until '01' is displayed.

Using the up/down buttons select which private channel position you want to program.

Press 16/9 and select desired channel, select power level using H/L button on side (HL-selectable, L-fixed low power, or TX inhibit), simplex/duplex is selected using the scan button.

Store using the MEM button.

Press 16/9 to select next private channel position if needed and repeat above.

Switch radio off to complete.

NOTE: In international mode P01 is programmed with 'M2' (161.425MHz) if no other channel has been programmed in this position. All private channels are prefixed P and located between channels 01 & 88.

To enable channels in 'd' mode:-

Ideal for customers who requires just a limited number of channels. For example channel 15 & 37 only. Again, the radio can be programmed back to a,b,c versions at any time.

Press 16/9 and SCAN and switch power on - switch off as soon as display flashes.

Press 16/9 and SCAN and switch power on this time holding buttons until '16' is displayed.

Select desired channels pressing MEM to store.

Switch radio off to complete.

Note: Private channels can be programmed in the same way as the other versions.

**How to Program Private Channels on the
Entel HT644 VHF Marine Radio
| Step-by-Step Guide**



7. Private Channel Chart

Position	TX Freq. [MHz]	RX Freq. [MHz]		Position	TX Freq. [MHz]	RX Freq. [MHz]	
		Simplex	Duplex			Simplex	Duplex
0	156.000	156.000	160.600	40	158.000	158.000	162.600
1	156.050	156.050	160.650	41	158.050	158.050	162.650
2	156.100	156.100	160.700	42	158.100	158.100	162.700
3	156.150	156.150	160.750	43	158.150	158.150	162.750
4	156.200	156.200	160.800	44	158.200	158.200	162.800
5	156.250	156.250	160.850	45	158.250	158.250	162.850
6	156.300	156.300	160.900	46	158.300	158.300	162.900
7	156.350	156.350	160.950	47	158.350	158.350	162.950
8	156.400	156.400	161.000	48	158.400	158.400	163.000
9	156.450	156.450	161.050	49	158.450	158.450	163.050
10	156.500	156.500	161.100	50	158.500	158.500	163.100
11	156.550	156.550	161.150	51	158.550	158.550	163.150
12	156.600	156.600	161.200	52	158.600	158.600	163.200
13	156.650	156.650	161.250	53	158.650	158.650	163.250
14	156.700	156.700	161.300	54	158.700	158.700	163.300
15	156.750	156.750	161.350	55	158.750	158.750	163.350
16	156.800	156.800	161.400	56	158.800	158.800	163.400
17	156.850	156.850	161.450	57	158.850	158.850	163.450
18	156.900	156.900	161.500	58	158.900	158.900	163.500
19	156.950	156.950	161.550	59	158.950	158.950	163.550
20	157.000	157.000	161.600	60	156.025	156.025	160.625
21	157.050	157.050	161.650	61	156.075	156.075	160.675
22	157.100	157.100	161.700	62	156.125	156.125	160.725
23	157.150	157.150	161.750	63	156.175	156.175	160.775
24	157.200	157.200	161.800	64	156.225	156.225	160.825
25	157.250	157.250	161.850	65	156.275	156.275	160.875
26	157.300	157.300	161.900	66	156.325	156.325	160.925
27	157.350	157.350	161.950	67	156.375	156.375	160.975
28	157.400	157.400	162.000	68	156.425	156.425	161.025
29	157.450	157.450	162.050	69	156.475	156.475	161.075
30	157.500	157.500	162.100	70	156.525	156.525	161.125
31	157.550	157.550	162.150	71	156.575	156.575	161.175
32	157.600	157.600	162.200	72	156.625	156.625	161.225
33	157.650	157.650	162.250	73	156.675	156.675	161.275
34	157.700	157.700	162.300	74	156.725	156.725	161.325
35	157.750	157.750	162.350	75	_____	_____	_____
36	157.800	157.800	162.400	76	_____	_____	_____
37	157.850	157.850	162.450	77	156.875	156.875	161.475
38	157.900	157.900	162.500	78	156.925	156.925	161.525
39	157.950	157.950	162.550	79	156.975	156.975	161.575

Position	TX Freq. [MHz]	RX Freq. [MHz]		Position	TX Freq. [MHz]	RX Freq. [MHz]	
		Simplex	Duplex			Simplex	Duplex
80	157.025	157.025	161.625	120	159.000	159.000	_____
81	157.075	157.075	161.675	121	159.025	159.025	_____
82	157.125	157.125	161.725	122	159.050	159.050	_____
83	157.175	157.175	161.775	123	159.075	159.075	_____
84	157.225	157.225	161.825	124	159.100	159.100	_____
85	157.275	157.275	161.875	125	159.125	159.125	_____
86	157.325	157.325	161.925	126	159.150	159.150	_____
87	157.375	157.375	161.975	127	159.175	159.175	_____
88	157.425	157.425	162.025	128	159.200	159.200	_____
89	157.475	157.475	162.075	129	159.225	159.225	_____
90	157.525	157.525	162.125	130	159.250	159.250	_____
91	157.575	157.575	162.175	131	159.275	159.275	_____
92	157.625	157.625	162.225	132	159.300	159.300	_____
93	157.675	157.675	162.275	133	159.325	159.325	_____
94	157.725	157.725	162.325	134	159.350	159.350	_____
95	157.775	157.775	162.375	135	159.375	159.375	_____
96	157.825	157.825	162.425	136	159.400	159.400	_____
97	157.875	157.875	162.475	137	159.425	159.425	_____
98	157.925	157.925	162.525	138	159.450	159.450	_____
99	157.975	157.975	162.575	139	159.475	159.475	_____
100	158.025	158.025	162.625	140	159.500	159.500	_____
101	158.075	158.075	162.675	141	159.525	159.525	_____
102	158.125	158.125	162.725	142	159.550	159.550	_____
103	158.175	158.175	162.775	143	159.575	159.575	_____
104	158.225	158.225	162.825	144	159.600	159.600	_____
105	158.275	158.275	162.875	145	159.625	159.625	_____
106	158.325	158.325	162.925	146	159.650	159.650	_____
107	158.375	158.375	162.975	147	159.675	159.675	_____
108	158.425	158.425	163.025	148	159.700	159.700	_____
109	158.475	158.475	163.075	149	159.725	159.725	_____
110	158.525	158.525	163.125	150	159.750	159.750	_____
111	158.575	158.575	163.175	151	159.775	159.775	_____
112	158.625	158.625	163.225	152	159.800	159.800	_____
113	158.675	158.675	163.275	153	159.825	159.825	_____
114	158.725	158.725	163.325	154	159.850	159.850	_____
115	158.775	158.775	163.375	155	159.875	159.875	_____
116	158.825	158.825	163.425	156	159.900	159.900	_____
117	158.875	158.875	163.475	157	159.925	159.925	_____
118	158.925	158.925	163.525	158	159.950	159.950	_____
119	158.975	158.975	163.575	159	159.975	159.975	_____

Position	TX Freq. [MHz]	RX Freq. [MHz]		Position	TX Freq. [MHz]	RX Freq. [MHz]	
		Simplex	Duplex			Simplex	Duplex
160	160.000	160.000	_____	200	161.000	161.000	_____
161	160.025	160.025	_____	201	161.025	161.025	_____
162	160.050	160.050	_____	202	161.050	161.050	_____
163	160.075	160.075	_____	203	161.075	161.075	_____
164	160.100	160.100	_____	204	161.100	161.100	_____
165	160.125	160.125	_____	205	161.125	161.125	_____
166	160.150	160.150	_____	206	161.150	161.150	_____
167	160.175	160.175	_____	207	161.175	161.175	_____
168	160.200	160.200	_____	208	161.200	161.200	_____
169	160.225	160.225	_____	209	161.225	161.225	_____
170	160.250	160.250	_____	210	161.250	161.250	_____
171	160.275	160.275	_____	211	161.275	161.275	_____
172	160.300	160.300	_____	212	161.300	161.300	_____
173	160.325	160.325	_____	213	161.325	161.325	_____
174	160.350	160.350	_____	214	161.350	161.350	_____
175	160.375	160.375	_____	215	161.375	161.375	_____
176	160.400	160.400	_____	216	161.400	161.400	_____
177	160.425	160.425	_____	217	161.425	161.425	_____
178	160.450	160.450	_____	218	161.450	161.450	_____
179	160.475	160.475	_____	219	161.475	161.475	_____
180	160.500	160.500	_____	220	161.500	161.500	_____
181	160.525	160.525	_____	221	161.525	161.525	_____
182	160.550	160.550	_____	222	161.550	161.550	_____
183	160.575	160.575	_____	223	161.575	161.575	_____
184	160.600	160.600	_____	224	161.600	161.600	_____
185	160.625	160.625	_____	225	161.625	161.625	_____
186	160.650	160.650	_____	226	161.650	161.650	_____
187	160.675	160.675	_____	227	161.675	161.675	_____
188	160.700	160.700	_____	228	161.700	161.700	_____
189	160.725	160.725	_____	229	161.725	161.725	_____
190	160.750	160.750	_____	230	161.750	161.750	_____
191	160.775	160.775	_____	231	161.775	161.775	_____
192	160.800	160.800	_____	232	161.800	161.800	_____
193	160.825	160.825	_____	233	161.825	161.825	_____
194	160.850	160.850	_____	234	161.850	161.850	_____
195	160.875	160.875	_____	235	161.875	161.875	_____
196	160.900	160.900	_____	236	161.900	161.900	_____
197	160.925	160.925	_____	237	161.925	161.925	_____
198	160.950	160.950	_____	238	161.950	161.950	_____
199	160.975	160.975	_____	239	161.975	161.975	_____

Position	TX Freq. [MHz]	RX Freq. [MHz]		Position	TX Freq. [MHz]	RX Freq. [MHz]	
		Simplex	Duplex			Simplex	Duplex
240	162.000	162.000	————	280	155.025	155.025	159.625
241	162.025	162.025	————	281	155.000	155.000	159.600
242	155.975	155.975	160.575				
243	155.950	155.950	160.550				
244	155.925	155.925	160.525				
245	155.900	155.900	160.500				
246	155.875	155.875	160.475				
247	155.850	155.850	160.450				
248	155.825	155.825	160.425				
249	155.800	155.800	160.400				
250	155.775	155.775	160.375				
251	155.750	155.750	160.350				
252	155.725	155.725	160.325				
253	155.700	155.700	160.300				
254	155.675	155.675	160.275				
255	155.650	155.650	160.250				
256	155.625	155.625	160.225				
257	155.600	155.600	160.200				
258	155.575	155.575	160.175				
259	155.550	155.550	160.150				
260	155.525	155.525	160.125				
261	155.500	155.500	160.100				
262	155.475	155.475	160.075				
263	155.450	155.450	160.050				
264	155.425	155.425	160.025				
265	155.400	155.400	160.000				
266	155.375	155.375	159.975				
267	155.350	155.350	159.950				
268	155.325	155.325	159.925				
269	155.300	155.300	159.900				
270	155.275	155.275	159.875				
271	155.250	155.250	159.850				
272	155.225	155.225	159.825				
273	155.200	155.200	159.800				
274	155.175	155.175	159.775				
275	155.150	155.150	159.750				
276	155.125	155.125	159.725				
277	155.100	155.100	159.700				
278	155.075	155.075	159.675				
279	155.050	155.050	159.650				