

General

Number of channels	:	40
Number of weather channels	:	7
Weather alert	:	
Modulation modes	:	AM / FM
Frequency ranges	:	from 26.965 MHz to 27.405 MHz
Weather channels	:	from 162.400 MHz to 162.550 MHz
Antenna impedance	:	50 ohms
Power supply	:	13.8 V / 27.6 V
Size (W x D x H)	:	4.92 x 6.49 x 1.77 inches 125 x 165 x 45 mm
Weight	:	1.65 lbs / 0.75 kg
Accessories supplied	:	Ultra light electret microphone with support, mounting cradle, screws

Transmission

Frequency allowance	:	+/- 200Hz
Carrier power	:	4 W AM / 4 W FM
Transmission interference	:	inferior to 4 nW (- 54 dBm)
Audio response	:	300 Hz to 3 KHz in AM/FM
Emitted power in the adj. channel	:	inferior to 20 μ W
Microphone sensitivity	:	3.0 mV
Drain	:	< 2 A max. with modulation (13.8 V) < 1 A max. with modulation (27.6 V)
Modulated signal distortion	:	2 %

Reception

Maxi. sensitivity at 20 dB sinad	:	0.5 μ V - 113 dBm (AM) 0.35 μ V - 116 dBm (FM)
Frequency response	:	300 Hz to 3 kHz in AM/FM
Adjacent channel selectivity	:	60 dB
Maximum audio power	:	3 W
Squelch sensitivity	:	min. 0,2 μ V - 120 dBm / max. 1 mV - 47 dBm
Frequency image rejection rate	:	60 dB

Intermediate frequency rej. rate : 70 dB

Drain : 180 ~ 800 mA maximum (13.6 V) 90 ~ 400 mA maximum (27.8 V)

CTCSS Tone List

N°	Freq. (Hz)	N°	Freq. (Hz)	N°	Freq. (Hz)
00 - oF	OFF	13	103.5	26	162.2
1	67.0	14	107.2	27	167.9
2	71.9	15	110.9	28	173.8
3	74.4	16	114.8	29	179.9
4	77.0	17	118.8	30	186.2
5	79.7	18	123.0	31	192.8
6	82.5	19	127.3	32	203.5
7	85.4	20	131.8	33	210.7
8	88.5	21	136.5	34	218.1
9	91.5	22	141.3	35	225.7
10	94.8	23	146.2	36	233.6
11	97.4	24	151.4	37	241.8
12	100.0	25	156.7	38	250.3

DCS Code List

N°	DCS (Octal)	N°	DCS (Octal)	N°	DCS (Octal)	N°	DCS (Octal)
1	23	27	152	53	311	79	466
2	25	28	155	54	315	80	503
3	26	29	156	55	325	81	506
4	31	30	162	56	331	82	516
5	32	31	165	57	332	83	523
6	36	32	172	58	343	84	526
7	43	33	174	59	346	85	532
8	47	34	205	60	351	86	546
9	51	35	212	61	356	87	565
10	53	36	223	62	364	88	606

N°	DCS (Octal)	N°	DCS (Octal)	N°	DCS (Octal)	N°	DCS (Octal)
11	54	37	225	63	365	89	612
12	65	38	226	64	371	90	624
13	71	39	243	65	411	91	627
14	72	40	244	66	412	92	631
15	73	41	245	67	413	93	632
16	74	42	246	68	423	94	654
17	114	43	251	69	431	95	662
18	115	44	252	70	432	96	664
19	116	45	255	71	445	97	703
20	122	46	261	72	446	98	712
21	125	47	263	73	452	99	723
22	131	48	265	74	454	100	731
23	132	49	266	75	455	101	732
24	134	50	271	76	462	102	734
25	143	51	274	77	464	103	743
26	145	52	306	78	465	104	754