

CTCSS / DCS tone reference

All 50 CTCSS tones with Motorola, Midland, and Kenwood privacy code numbers, plus the 104 standard DCS codes.
Search by frequency or code.

CTCSS tones do not provide privacy. Anyone without a tone set hears everything you say. Tones only control when the receiving radio's squelch opens.

CTCSS HZ	MOTOROLA	MIDLAND	KENWOOD
67.0 Hz	1	1	1
71.9 Hz	2	2	2
74.4 Hz	3	3	3
77.0 Hz	4	4	4
79.7 Hz	5	5	5
82.5 Hz	6	6	6
85.4 Hz	7	7	7
88.5 Hz	8	8	8
91.5 Hz	9	9	9
94.8 Hz	10	10	10
97.4 Hz	11	11	11
100.0 Hz	12	12	12
103.5 Hz	13	13	13
107.2 Hz	14	14	14
110.9 Hz	15	15	15
114.8 Hz	16	16	16
118.8 Hz	17	17	17
123.0 Hz	18	18	18
127.3 Hz	19	19	19
131.8 Hz	20	20	20
136.5 Hz	21	21	21
141.3 Hz	22	22	22
146.2 Hz	23	23	23
151.4 Hz	24	24	24
156.7 Hz	25	25	25

CTCSS HZ	MOTOROLA	MIDLAND	KENWOOD
162.2 Hz	26	26	26
167.9 Hz	27	27	27
173.8 Hz	28	28	28
179.9 Hz	29	29	29
186.2 Hz	30	30	30
192.8 Hz	31	31	31
203.5 Hz	32	32	32
210.7 Hz	33	33	33
218.1 Hz	34	34	34
225.7 Hz	35	35	35
233.6 Hz	36	36	36
241.8 Hz	37	37	37
250.3 Hz	38	38	38
69.3 Hz	--	--	--
159.8 Hz	--	--	--
165.5 Hz	--	--	--
171.3 Hz	--	--	--
177.3 Hz	--	--	--
183.5 Hz	--	--	--
189.9 Hz	--	--	--
196.6 Hz	--	--	--
199.5 Hz	--	--	--
206.5 Hz	--	--	--
229.1 Hz	--	--	--
254.1 Hz	--	--	--

DCS CODES (DIGITAL-CODED SQUELCH)

DCS sends a low-speed digital word instead of an audio tone, written with a D prefix and an N or I suffix (D023N). N means the code as listed; I is its electrical inverse. If two radios can hear each other but the squelch never opens, try the inverted setting on one side. Of the 104 codes below, **83 are the standard alias-free set** and interoperate across brands; the 21 shown in outline are extended codes that some radios offer but that can alias with other codes or pull the carrier. Prefer a standard code unless you have a reason not to. Like CTCSS, DCS is not privacy: anyone without a code set still hears everything.

D023N	D025N	D026N	D031N	D032N	D036N	D043N	D047N	D051N	D053N	D054N	D065N	D071N	D072N	D073N
D074N	D114N	D115N	D116N	D122N	D125N	D131N	D132N	D134N	D143N	D145N	D152N	D155N	D156N	D162N
D165N	D172N	D174N	D205N	D212N	D223N	D225N	D226N	D243N	D244N	D245N	D246N	D251N	D252N	D255N
D261N	D263N	D265N	D266N	D271N	D274N	D306N	D311N	D315N	D325N	D331N	D332N	D343N	D346N	D351N
D356N	D364N	D365N	D371N	D411N	D412N	D413N	D423N	D431N	D432N	D445N	D446N	D452N	D454N	D455N
D462N	D464N	D465N	D466N	D503N	D506N	D516N	D523N	D526N	D532N	D546N	D565N	D606N	D612N	D624N
D627N	D631N	D632N	D654N	D662N	D664N	D703N	D712N	D723N	D731N	D732N	D734N	D743N	D754N	