

# GAD-ZUKS BAOFENG UV-5F QUICK REFERENCE CARD

Rev. 1.5

## Phonetic Alphabet

Letter	Word
A	Alpha
B	Bravo
C	Charlie
D	Delta
E	Echo
F	Foxtrot
G	Golf
H	Hotel
I	India
J	Juliet
K	Kilo
L	Lima
M	Mike
N	November
O	Oscar
P	Papa
Q	Quebec
R	Romeo
S	Sierra
T	Tango
U	Uniform
V	Victor
W	Whiskey
X	Xray
Y	Yankee
Z	Zulu

## Power Limit Wattage

Channels	FRS	GMRS
1-7	2 W	5 W
8-14	0.5 W	0.5 W
15-22	2 W	50 W

GZ	NOAA	Frequency
101	1	162.550
102	2	162.400
103	3	162.475
104	4	162.425
105	5	162.450
106	6	162.500
107	7	162.525

## Range Calculator

Advertised Range	Urban Terrain	Suburban Terrain	Open (Level) Terrain	Elevated Terrain
16 miles	1 - 2 blocks	300 - 800 feet	0.5 - 1 mile	Up to 16 miles (est)
20 miles	2 - 3 blocks	0.1 - 0.3 mile	1 - 3 miles	Up to 20 miles (est)
26 miles	3 - 4 blocks	0.4 - 0.5 mile	3 - 4 miles	Up to 26 miles (est)
30 miles	4 - 6 blocks	0.6 - 1.0 mile	4 - 5 miles	Up to 30 miles (est)
36+ miles	0.2 - 0.25 mile	1 - 2 miles	~6 miles	Up to 26+ miles (est)

## Common CTCSS Codes

CTCSS	HZ	CTCSS	HZ	CTCSS	HZ	CTCSS	HZ	CTCSS	HZ
1	67.0	9	91.5	17	118.8	25	156.7	33	210.7
2	71.9	10	64.8	18	123.0	26	162.2	34	218.1
3	74.4	11	97.4	19	127.3	27	167.9	35	225.7
4	77.0	12	100.0	20	131.8	28	173.8	36	233.6
5	79.7	13	103.5	21	136.5	29	179.9	37	241.8
6	82.5	14	107.2	22	141.3	30	186.2	38	250.3
7	85.4	15	110.9	23	146.2	31	192.8		
8	88.5	16	114.8	24	151.4	32	203.5		

## Common DCS Codes

DCS ..CODE	DCS ..CODE	DCS ..CODE	DCS ..CODE	DCS ..CODE	DCS ..CODE	DCS ..CODE
1 .....023	13.....073	25.....156	37.....261	49.....365	61.....503	73.....654
2 .....025	14.....074	26.....162	38.....263	50.....371	62.....506	74.....662
3 .....026	15.....114	27.....165	39.....265	51.....411	63.....516	75.....664
4 .....037	16.....115	28.....172	40.....271	52.....412	64.....532	76.....703
5 .....032	17.....116	29.....174	41.....306	53.....413	65.....543	77.....712
6 .....043	18.....125	30.....205	42.....311	54.....423	66.....565	78.....723
7 .....047	19.....131	31.....223	43.....315	55.....431	67.....606	79.....731
8 .....051	20.....132	32.....226	44.....331	56.....432	68.....612	80.....732
9 .....054	21.....134	33.....243	45.....343	57.....445	69.....624	81.....734
10 .....065	22.....143	34.....244	46.....346	58.....464	70.....627	82.....743
11 .....071	23.....152	35.....245	47.....351	59.....465	71.....631	83.....754
12 .....072	24.....155	36.....251	48.....364	60.....466	72.....632	

## GMRS Transmit Protocols

Each GMRS Station must be identified by transmission of its FCC-assigned call sign at the end of transmissions and at periodic intervals during transmissions except as provided in paragraph (c) below. A unit number may be included after the call sign in the identification.

The GMRS station call sign must be transmitted

- (1) Following a single transmission of a series of transmissions and
- (2) After 15 minutes and at least once every 15 minutes of thereafter during a series of transmissions lasting more than 15 minutes.
- (b) The call sign must be transmitted using voice in the English language or international Morse code telegraph using an audible tone.

© Any GMRS repeater station is not required to transmit station identification if

- (1) it retransmits only communications from GMRS stations operating under authority of the individual license under which it operates, and
- (2) The GMRS stations whose communications are retransmitted are properly identified in accordance with this section

Source: FCC Rules and Regulations in Title 47 of the Code of Federal Regulations, 95.1751 GMRS station identification

## FRS/GMRS Channels

Channel	Frequency (MHz)
1	462.5625
2	462.5875
3	462.6125
4	462.6375
5	462.6625
6	462.6875
7	462.7125
8	467.5625
9	467.5875
10	467.6125
11	467.6375
12	467.6625
13	467.6875
14	467.7125
15	462.5500
16	462.5750
17	462.6000
18	462.6250
19	462.6500
20	462.6750
21	462.7000
22	462.7250

## GMRS Repeater Channels

Ch	TX Freq (MHz)	RX Freq (MHz)
23	462.5625	462.5500
24	467.5750	562.5750
25	467.6500	462.6000
26	467.6250	462.6250
27	467.6500	462.6500
28	467.6750	462.6750
29	467.7000	462.7000
30	467.7250	462.7250

GAD-ZUKS Channel	Frequency	DCS
31	462.6750	245

WayWeGos Channel	Frequency	DCS
32	151.4750	