

# Ham Radio CW Cheatsheet

2022-12-13

by K7MCK

## Prosigns

<b>K</b> Go ahead (over)	<b>AR</b> End of message body (followed by callsigns)
<b>KN</b> Go ahead (specific station, also "(")	<b>HH</b> Sending error - retrying
<b>BT</b> New section (=)	<b>AS</b> Wait (&)
<b>BK</b> Back to you (break in)	<b>SK</b> End of contact (final transmission)

## Q Codes

<b>QRL?</b> Is this frequency busy?	<b>QSY</b> Change frequency.
<b>QSO</b> Conversation/contact	<b>QRM</b> Radio interference.
<b>QRS</b> Send more slowly (___ WPM).	<b>QRN</b> Static (natural) interference.
<b>QRQ</b> Send faster (___ WPM).	<b>QSB</b> Signal fading.
<b>QTH</b> My location.	<b>QSL?</b> Acknowledge receipt?
<b>QRZ?</b> Who is calling me?	<b>QRP</b> Low power

## Abbreviations

<b>CQ</b> Calling any station	<b>UR</b> Your or you're	<b>GM/GA/GE</b> Good morning, afternoon, or evening	<b>ANT</b> Antenna
<b>DE</b> This is <callsign>	<b>HR</b> Here (my)	<b>FB</b> Fine business	<b>WX</b> Weather
<b>TU</b> Thank you (sometimes TNX)	<b>RST</b> Signal report	<b>HW?</b> How copy?	<b>ES</b> and
<b>73</b> Best regards	<b>599</b> Perfect signal report (also 5NN)	<b>RIG</b> Radio equipment	<b>FER</b> for

## QSO Template

*You:* CQ CQ DE  your callsign  your callsign K

*Them:*  your callsign DE  their callsign  their callsign K

*You:* GM  their callsign TNX FER CALL

UR RST 599

NAME  your name  your name

QTH  your city  your city

HW? **AR**  their callsign DE  your callsign K

## CW Sub Bands

Band	Extra	General	Technician
160m	1.8 - 2.0 MHz		
80m	3.5 - 3.6 MHz	3.525 - 3.6 MHz	
60m	5,332, 5,348, 5,358.5, 5,405 kHz		
40m	7.0 - 7.125 MHz	7.025 - 7.125 MHz	
30m	10.1 - 10.15 MHz		
20m	14.0 - 14.150 MHz	14.025 - 14.150 MHz	
17m	18.068 - 18.110 MHz		
15m	21.0 - 21.2 MHz	21.025 - 21.2 MHz	
12m	24.890 - 24.930 MHz		
10m	28.0 - 28.3 MHz		
6m	50.0 - 50.1 MHz		
2m	144.0 - 144.1 MHz		

## Letters

A ·-	E ·	I ..	M --	Q ----	U ...	Y ----
B ----	F ....	J .----	N -.	R .--	V ....	Z ----
C -.-.	G ---	K -.-	O ---	S ...	W .--	
D -..	H ....	L .----	P .----	T -	X ----	

## Numbers

1 .----	6 -....
2 ..----	7 -....
3 ...--	8 -....
4 ....-	9 -....
5 .....	0 -....

## Cut Numbers

1 ·-
2 ..-
3 ...-
5 ·
7 ----
8 ---
9 --
0 -

## Symbols

. ....	' .----	( -....
, ----	" .----	) -....
= ....	- ....	& ....
? ..----	+ .----	- ..----
/ ----	; -....	\$ ....
! -....	: -....	@ -....