

International Morse Code

For learning Morse code it is recommended that you do not try to remember dots and dashes, but remember the Morse code sounds (Page 2) instead.

Letter	Morse
A	.-
B	-...
C	-.-.
D	-..
E	.
F	...-
G	--.
H
I	..
J	.-.-
K	-.-
L	.-..
M	--

Letter	Morse
N	--.
O	---
P	.-.-
Q	---.-
R	.-.
S	...
T	-
U	..-
V	...-
W	.-.-
X	-.-.
Y	-.--
Z	---.

Letter	Morse
Ä	...-
Á	...-.
Å	...-.
Ch	----
É	...-.
Ñ	--.-
Ö	---.
Ü	...-

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

Prosign	Morse
AA, New line	...-
AR, End of message	...-
AS, Wait	...-
BK, Break	-----.-
BT, New paragraph	...-
CL, Going off the air ("clear")	...-...
CT, Start copying	...-
DO, Change to wabun code	...-
KN, Invite a specific station to transmit	...-
SK, End of transmission (also VA)	...-.-
SN, Understood (also VE)	...-
SOS, Distress message	...-...

Punctuation Mark	Morse
Full-stop (period)	...-.-
Comma	--...-
Colon	---...
Question mark (query)	...-...
Apostrophe	.-----
Hyphen	-.....-
Slash ("/")	-...-
Brackets (parentheses)	-.-.-.-
Quotation marks	...-.-
At sign	...-.-
Equals sign	-...-

Other Phrases	Abbreviation
Over	K
Roger	R
See you later	CUL
Be seeing you	BCNU
You're	UR
Signal report	RST
Best regards	73
Love and kisses	88

Q Code	Meaning
QSL	I acknowledge receipt
QSL?	Do you acknowledge?
QRX	Wait
QRX?	Should I wait?
QRV	I am ready to copy
QRV?	Are you ready to copy?
QRL	The frequency is in use
QRL?	Is the frequency in use?
QTH	My location is...
QTH?	What is your location?

NOTE: If the duration of a dot is taken to be one unit then that of a dash is three units. The space between the components of one character is one unit, between characters is three units and between words seven units. To indicate that a mistake has been made and for the receiver to delete the last word, send (eight dots).

The prosigns are combinations of two letters sent together with no space in between. The other abbreviations and Q codes are sent with the normal spacing.

Letter	Morse
A	di-dah
B	dah-di-di-dit
C	dah-di-dah-dit
D	dah-di-dit
E	dit
F	di-di-dah-dit
G	dah-dah-dit
H	di-di-di-dit
I	di-dit
J	di-dah-dah-dah
K	dah-di-dah
L	di-dah-di-dit
M	dah-dah

Letter	Morse
N	dah-dit
O	dah-dah-dah
P	di-dah-dah-dit
Q	dah-dah-di-dah
R	di-dah-dit
S	di-di-dit
T	dah
U	di-di-dah
V	di-di-di-dah
W	di-dah-dah
X	dah-di-di-dah
Y	dah-di-dah-dah
Z	dah-dah-di-dit

Letter	Morse
Ä	di-dah-di-dah
Á	di-dah-dah-di-dah
Å	di-dah-dah-di-dah
Ch	dah-dah-dah-dah
É	di-di-dah-di-dit
Ñ	dah-dah-di-dah-dah
Ö	dah-dah-dah-dit
Ü	di-di-dah-dah

Digit	Morse
0	dah-dah-dah-dah-dah
1	di-dah-dah-dah-dah
2	di-di-dah-dah-dah
3	di-di-di-dah-dah
4	di-di-di-di-dah
5	di-di-di-di-dit
6	dah-di-di-di-dit
7	dah-dah-di-di-dit
8	dah-dah-dah-di-dit
9	dah-dah-dah-dah-dit

Punctuation Mark	Morse
Full-stop (period)	di-dah-di-dah-di-dah
Comma	dah-dah-di-di-dah-dah
Colon	dah-dah-dah-di-di-dit
Question mark (query)	di-di-dah-dah-di-dit
Apostrophe	di-dah-dah-dah-dah-dit
Hyphen	dah-di-di-di-di-dah
Slash ("/")	dah-di-di-dah-dit
Brackets (parentheses)	dah-di-dah-dah-di-dah
Quotation marks	di-dah-di-di-dah-dit
At sign	di-dah-dah-di-dah-dit
Equals sign	dah-di-di-di-dah

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SK, End of transmission	di-di-di-dah-di-dah
SN, Understood (also VE)	di-di-di-dah-dit
SOS, Distress message	di-di-di-dah-dah-dah-di-di-dit

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