

Become a Morse Code Experts

Before mobile phones even before telephones, people communicated through Morse code. Despite being a technology that is over 160 years old, it's still used today among amateur radio users and on some ships. If you were in Scouts, you might have messed around with Morse code or maybe you had a grandparent who used it on their radio. Learning Morse is a fun and engaging hobby you can share with others.

Maybe you can do a bit of research to find out who developed the Morse code and what other uses it had.

How to Learn Morse Code

Learning Morse code is like learning any language. You have to practise, practise, practise.

Tips to Make Morse Code Memorization Easier

Knowing the number of characters in each letter can help you narrow down your possibilities when you receive a message.

T, E= 1 character each

A, I, M, N= 2 characters

D, G, K, O, R, S, U, W= 3 characters

B, C, F, H, J, L, P, Q, V, X, Y, Z= 4 characters each

Reverse letters. Some letters are the reverse of each other in Morse code. For example "a" is "._" while "n" is "_."

Here are the rest of the letters that are the reverse of each other:

a & n d & u g & w b & v f & l q & y

Learn to use Morse code. Use the chart to help you

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

International Morse Code

1. The length of a dot is one unit.
2. A dash is three units.
3. The space between parts of the same letter is one unit.
4. The space between letters is three units.
5. The space between words is seven units.

A ● —
B — ● ● ●
C — ● — ●
D — ● ●
E ●
F ● ● — ●
G — — ●
H ● ● ● ●
I ● ●
J ● — — —
K — ● —
L ● — ● ●
M — —
N — ●
O — — —
P ● — — ●
Q — — ● —
R ● — ●
S ● ● ●
T —

U ● ● —
V ● ● ● —
W ● — —
X — ● ● —
Y — ● — —
Z — — ● ●

1 ● — — —
2 ● ● — —
3 ● ● ● — —
4 ● ● ● ● —
5 ● ● ● ● ●
6 — ● ● ● ●
7 — — ● ● ●
8 — — — ● ●
9 — — — — ●
0 — — — — —

American
(Morse)

Continental
(Gerke)

International
(ITU)

A	• —	• — —	• — —
Ä	• — — • —	• — — • —	• — — • —
B	— • • •	— • • •	— • • •
C	• • •	— • — •	— • — •
CH	— • — •	— • — • —	— • — •
D	— • •	— • •	— • •
E	•	•	•
F	• — •	• • — •	• • — •
G	— — •	— — •	— — •
H	• • • •	• • • •	• • • •
I	• •	• •	• •
J	— • — •	• • — • —	• — — —
K	— • —	— • —	— • —
L	— — —	• — — •	• — — •
M	— —	— —	— —
N	— •	— •	— •
O	• •	• — • •	— — —
Ö	• — • — •	— — — •	• — — •
P	• • • • •	• • • • •	• — — — •
Q	• • — •	— — • —	— — • —
R	• • •	• — •	• — •
S	• • •	• • •	• • •
T	—	—	—
U	• • —	• • —	• • —
Ü	• • — —	• • — —	• • — —
V	• • • —	• • • —	• • • —
W	• — —	• — —	• — —
X	• — • •	• • — • •	— • • —
Y	• • • •	— — • • •	— • — —
Z	• • • •	• — — • •	— — • •
1	• — — •	• — — •	• — — —
2	• • — • •	• • — • •	• • — —
3	• • • — •	• • • — •	• • • —
4	• • • • —	• • • • —	• • • •
5	— — • —	— — • —	• • • •
6	• • • • •	• • • • •	— • • • •
7	— — • • •	— — • • •	— — • • •
8	— • • • •	— • • • •	— — — • •
9	— • • •	— • • •	— — — — •
0	— — — — —	— — — — —	— — — — —
0 (alt)	—		—