

# Morse code

Use this cheat sheet to help you learn and use Morse code.



## Letters

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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	— — ● ●

### Key elements of the code

- The length of a dot is one unit.
- A dash is three units.
- The space between parts of the same letter is one unit.
- The space between letters is three units.
- The space between words is seven units.

### Sending the code

Make sure the letters and dots/dashes are clearly written out in front of the person before they start the first letter. Allow clear pauses between each letter (three units) and word (seven units). A unit is a count of one in your head.

### Receiving the code

Make sure every sound you hear is written down as a dot/dash and all pauses are written down. After the message has finished, translate the dots/dashes into letters or numbers.

## Numbers

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