

# Morse Decoder Wheel

In 1935, Samuel Morse proved that signals could be transmitted over wire.

To send messages, he invented a way to encode the letters of the alphabet using a series of dots and dashes. This is called Morse Code.

The dots and dashes can be sent electrically using sound or light and transmitted in **binary** bursts:

- audio as **dits** and **dahs**
- light as **on** and **off**

By using bursts (of light or sound) to send messages in Morse Code, data can be sent in a reasonably private way.

Perhaps the most famous use of Morse Code is the distress signal repeatedly sent by Chief Radio Operator, John Phillips, aboard the sinking Titanic in 1912 as a cry for help. **SOS** ... --- ...

