

## On the Subject of Morse War

*Whether you are sending supplies to foreign allies, or submarines for assault, lives are in your hands.*

- To defuse this module, decode the Morse code and lit LEDs to determine the four button presses necessary to send the right ships off to sea.
- Use Table 1 below to look up each row of LEDs.
- From the bottom row of LEDs, determine which table to look up next (A-F).
- The middle row of LEDs determines which column to use in that table (A-F). The top row of LEDs determines which row to use in that table (1-6). Obtain a number 1-8 from that table location.
- Finally, refer to Table 2. Find the column labeled with the number 1-8 just obtained, and the row labeled with the code received from the Morse code signal to obtain the final instructions. Press the buttons in the order specified by that instruction, where S stands for “SEND SUPPLY SHIP” and U for “SEND SUBMARINE”.
- If the wrong order of ships are sent out, a strike will occur at the end of the sequence and the Morse code and LED pattern will reset.

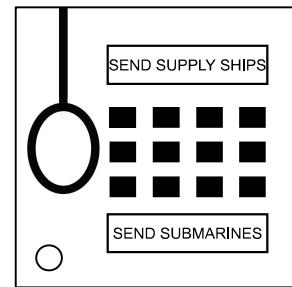


Table 1

	1100	1010	1001	0110	0101	0011
Bottom row pattern	A	B	C	D	E	F
Middle row pattern	A	B	C	D	E	F
Top row pattern	1	2	3	4	5	6

### Morse code chart

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

**Table A**

	A	B	C	D	E	F
1	5	4	3	2	1	4
2	6	7	6	5	8	3
3	7	8	1	4	7	2
4	8	1	2	3	6	1
5	1	2	3	4	5	8
6	2	3	4	5	6	7

**Table B**

	A	B	C	D	E	F
1	6	5	4	3	2	5
2	7	8	7	6	1	4
3	8	1	2	5	8	3
4	1	2	3	4	7	2
5	2	3	4	5	6	1
6	3	4	5	6	7	8

**Table C**

	A	B	C	D	E	F
1	7	6	5	4	3	6
2	8	1	8	7	2	5
3	1	2	3	6	1	4
4	2	3	4	5	8	3
5	3	4	5	6	7	2
6	4	5	6	7	8	1

**Table D**

	A	B	C	D	E	F
1	8	7	6	5	4	7
2	1	2	1	8	3	6
3	2	3	4	7	2	5
4	3	4	5	6	1	4
5	4	5	6	7	8	3
6	5	6	7	8	1	2

**Table E**

	A	B	C	D	E	F
1	1	8	7	6	5	8
2	2	3	2	1	4	7
3	3	4	5	8	3	6
4	4	5	6	7	2	5
5	5	6	7	8	1	4
6	6	7	8	1	2	3

**Table F**

	A	B	C	D	E	F
1	2	1	8	7	6	1
2	3	4	3	2	5	8
3	4	5	6	1	4	7
4	5	6	7	8	3	6
5	6	7	8	1	2	5
6	7	8	1	2	3	4

**Table 2**

	1	2	3	4	5	6	7	8
<b>ABR</b>	SSSS	USSS	SUSS	UUSS	SSUS	USUS	SUUS	UUUS
<b>RBS</b>	USSS	SUSS	UUSS	SSUS	USUS	SUUS	UUUS	SSSU
<b>SVR</b>	SUSS	UUSS	SSUS	USUS	SUUS	UUUS	SSSU	USSU
<b>ZUX</b>	UUSS	SSUS	USUS	SUUS	UUUS	SSSU	USSU	SUSU
<b>ZAQ</b>	SSUS	USUS	SUUS	UUUS	SSSU	USSU	SUSU	UUSU
<b>MOI</b>	USUS	SUUS	UUUS	SSSU	USSU	SUSU	UUSU	SSUU
<b>OPA</b>	SUUS	UUUS	SSSU	USSU	SUSU	UUSU	SSUU	USUU
<b>VZQ</b>	UUUS	SSSU	USSU	SUSU	UUSU	SSUU	USUU	SUUU
<b>XRP</b>	SSSU	USSU	SUSU	UUSU	SSUU	USUU	SUUU	UUUU
<b>OLL</b>	USSU	SUSU	UUSU	SSUU	USUU	SUUU	UUUU	SSSS
<b>AIR</b>	SUSU	UUSU	SSUU	USUU	SUUU	UUUU	SSSS	USSS
<b>RHG</b>	UUSU	SSUU	USUU	SUUU	UUUU	SSSS	USSS	SUSS
<b>MJN</b>	SSUU	USUU	SUUU	UUUU	SSSS	USSS	SUSS	UUSS
<b>VTT</b>	USUU	SUUU	UUUU	SSSS	USSS	SUSS	UUSS	SSUS
<b>XZS</b>	SUUU	UUUU	SSSS	USSS	SUSS	UUSS	SSUS	USUS
<b>SUN</b>	UUUU	SSSS	USSS	SUSS	UUSS	SSUS	USUS	SUUS