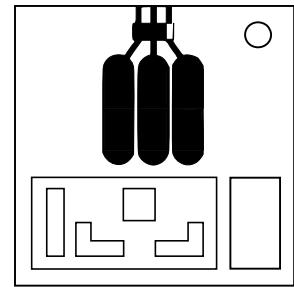


## On the Subject of Not Morseomatics

*Get it? Because it uses neither morse nor maths! I'll see myself out...*

- Five letters are being received on loop, with a pause between repeats of the loop.
- Only a thin section of each letter is shown at a time, progressing from top to bottom.
- The transmitted letters can be unscrambled to form a five letter word from the list in this manual.
- Use the transmitted word (TX) and the unscrambled word (UX), to determine the two suborders, use the first match for each.
- Pressing the button on the right will open the hatch, revealing four distinctly coloured tetromino shaped keys, and start a 60 second timer. The transmission is paused for the duration the hatch is open.
- Using the pieces present, construct the master command:
  - Remove the shapes and colours that are not present from the suborders.
  - Use the first matching rule to combine the suborders into a single sequence.
- For each overriding rule that applies, swap the corresponding pairs of digits in the master command in the order they apply.
- Enter the final sequence by pressing the matching keys in order, and submit the sequence with the button on the right.
- If the timer counts down to zero, the sequence that has been entered thus far is automatically submitted.
- If the submitted sequence is incorrect, the keys will regenerate the next time the hatch is opened.



Overrides	
Condition	Swap inputs
There are no Violet or O pieces	1 and 8
There is a Magenta S or Z piece	2 and 3
There is a Cyan or Yellow I piece	4 and 6
There are no Red or Blue pieces	3 and 5
There are no L or J pieces	2 and 7
There is a Blue O or T piece	4 and 7
There are no Green pieces	1 and 5
There is no I piece	6 and 8

Condition	Shape Suborder
TX is in either alphabetical or reverse alphabetical order.	JZTOSLI
A consecutive pair of transmitted letters are alphabetically adjacent.	TLZIJOS
No consecutive pairs of transmitted letters are further than nine letters apart alphabetically.	OJILTSZ
Exactly one letter from TX is in the same position in UX.	ZOLJIST
The first letter in TX is a vowel.	SZOTLIJ
The last letter of TX is a vowel.	LSJZOTI
No letters from TX are in the same position in UX.	OTZJILS
Else	IJZTOSL

Condition	Colour Suborder
TX is either identical to UX or UX in reverse.	BVGYCRM
A vowel in TX is in the same position as in UX.	RMVCGBY
The third letter in TX and UX are the same.	CMRYGBV
The first letter in TX is the last in UX or the last letter in TX is the first in UX.	YGMVBCR
The last letter of UX is a vowel or Y.	GVBCRYM
The first letter of UX is a vowel or Y.	BRGMYVC
A consonant in TX is in the same position in UX.	GYMCVBR
Else	VMRBGCY

- ABCD refers to the remaining inputs of the shape suborder, in order.
- 1234 refers to the remaining inputs of the colour suborder, in order.

Condition	Master Command
If the serial number contains a transmitted letter.	A1B2C3D4
If the label of any lit indicator on the bomb contains a transmitted letter.	12AB34CD
If the label of any unlit indicator on the bomb contains a transmitted letter.	AB12CD34
If there are no indicators on the bomb.	1A2B3C4D
If there are fewer than 4 AA batteries on the bomb.	1234ABCD
Else	ABCD1234

Word List

ABORT	AFTER	AGONY	ALIGN	AMONG	AMBER	ANGST	AZURE
BAKER	BAYOU	BEACH	BLACK	BOGUS	BOXES	BRASH	BUDGE
CABLE	CAULK	CHIEF	CLOVE	CODEX	CRAZE	CRISP	CRUEL
DECOY	DEPTH	DISCO	DITCH	DOUGH	DRAWS	DREAM	DWARF
EARLY	EIGHT	ELBOW	ENJOY	EPOCH	EQUIP	EVICT	EXACT
FACET	FALSE	FIBRE	FJORD	FLAKE	FLAWS	FRESH	FUNGI
GENUS	GHOST	GLOBE	GOULD	GRAPH	GRAVY	GROWS	GUIDE
HAIKU	HAVOC	HELIX	HERTZ	HONEY	HOTEL	HUMID	HYDRA
IAMBS	ICHOR	IMAGE	INDEX	INGOT	IRATE	IRONS	ITCHY
JACKS	JAUNT	JERKY	JIVES	JOKER	JOUST	JUICE	JUMBO
KANJI	KAPUT	KENDO	KETCH	KLUTZ	KNAVE	KNOWS	KUGEL
LARGE	LAWNS	LAYER	LIMBO	LOCUS	LOUDY	LUNCH	LYRIC
MACHO	MAGIC	MAYOR	MAZES	MERCY	MIXER	MOTIF	MUSIC
NEXUS	NICHE	NIGHT	NODAL	NOTCH	NOVEL	NURSE	NYMPH
OCEAN	OFTEN	OGHAM	OLIVE	OMEGA	ONSET	ORBIT	OTHER
PANIC	PHONE	PIANO	PIVOT	PLUMB	POLAR	PRAWN	PRISM
QOPHS	QUACK	QUALM	QUERY	QUINT	QUIRK	QUIT	QUOTA
RADIX	RAINY	RECON	RHYME	RIVAL	ROAST	ROUND	RULES
SALTY	SCARF	SCHWA	SHAPE	SIXTY	SPIKY	SQUID	STRAW
TABLE	TAWNY	THIRD	TILDE	TOPIC	TORUS	TREND	TWEAK
UMBRA	UNARY	UNBOX	UNCLE	UNIFY	UNZIP	UPSET	URBAN
VAULT	VENOM	VIDEO	VINYL	VIXEN	VOICE	VOLTS	VOWEL
WAFER	WEIRD	WHELK	WITCH	WORMS	WOVEN	WRATH	WRONG
XENIA		XERIC		XYLEM		XYSTI	
YACHT	YEARS	YIELD	YODEL	YOLKS	YOUNG	YOUTH	YOWLS
ZEALS	ZEBRA	ZEROS	ZESTY	ZILCH	ZINGY	ZLOTY	ZONED

Appendix: Letter Transmissions

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		

Appendix: Tetris Pieces

I	J	Z	T	O	S	L