# Keep Talking



# Penny Manual

by Dana and Molly Reese

"Verification Code: 241"

Version 1.3 28 September 2018 See pennymanual.com for instructions on using this manual © 2018 Dana Reese, All Rights Reserved.

### **WIRES**

| 3 Wires             | 4 Wires                   | 5 Wires                | 6 Wires                  |
|---------------------|---------------------------|------------------------|--------------------------|
| No RED = 2nd        | >1 RED, SO = Last RED     | Last BLACK, SO = 4th   | No YELLOW, SO = 3rd      |
| Last WHITE = Last   | Last YELLOW, No RED = 1st | 1 RED, >1 YELLOW = 1st | 1 YELLOW, >1 WHITE = 4th |
| >1 BLUE = Last BLUE | 1 BLUE = 1st              | No BLACK = 2nd         | No RED = Last            |
| Last                | >1 YELLOW = Last          | 1st                    | 4th                      |
|                     | 2nd                       |                        |                          |

### **COMPLICATED WIRES**

|            | N/A         | ☆        | LIGHT        | <b>☆</b> + LIGHT |
|------------|-------------|----------|--------------|------------------|
| WHITE      | CUT         | CUT      | SKIP         | 2+ BATTERIES     |
| RED        | SERIAL EVEN | CUT      | 2+ BATTERIES | 2+ BATTERIES     |
| BLUE       | SERIAL EVEN | SKIP     | PARALLEL     | PARALLEL         |
| RED + BLUE | SERIAL EVEN | PARALLEL | SERIAL EVEN  | SKIP             |

# WIRE SEQUENCES

|   | RED |   | BLUE |   |   | BLACK |   |   |  |
|---|-----|---|------|---|---|-------|---|---|--|
| A | В   | С | A    | В | С | A     | В | C |  |
| A | В   | C | A    | В | С | A     | В | C |  |
| A | В   | C | A    | В | С | Α     | В | С |  |
| A | В   | С | A    | В | С | A     | В | С |  |
| A | В   | С | A    | В | С | Α     | В | С |  |
| A | В   | С | A    | В | С | Α     | В | C |  |
| A | В   | С | A    | В | С | A     | В | С |  |
| Α | В   | С | A    | В | С | Α     | В | С |  |
| A | В   | С | A    | В | С | Α     | В | С |  |

#### **BUTTON**

BLUE "Abort" = HOLD

"Detonate", 2+ Batteries = CLICK

WHITE, [CAR] = HOLD

[FRK], 3+ Batteries = CLICK

YELLOW = HOLD

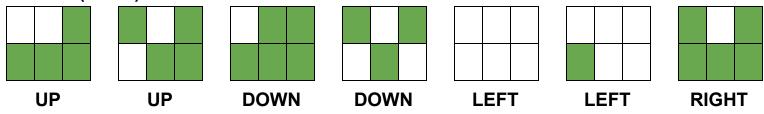
RED "Hold" = CLICK

HOLD

# Strip Color @ Release Time

BLUE @ 4 YELLOW @ 5 @ 1

# **KNOBS (LEDS)**



### **SIMON SAYS**

|          | No Strikes                             | 1 Strike            | 2 Strikes                   |
|----------|----------------------------------------|---------------------|-----------------------------|
| Vowel    | Swap Red / Blue<br>Swap Green / Yellow | Swap Across         | Rotate<br>Counter-clockwise |
| No Vowel | Rotate Top 3<br>Clockwise              | Swap Green / Yellow | Swap Across                 |

|     |     |     |     |     | VOV | VEL |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| BLU | RED | YEL | GRN | BLU | RED | YEL | GRN | BLU | RED | YEL | GRN |
| YEL | GRN | BLU | RED | YEL | GRN | BLU | RED | YEL | GRN | BLU | RED |
| GRN | RED | YEL | BLU | GRN | RED | YEL | BLU | GRN | RED | YEL | BLU |
| BLU | RED | YEL | GRN | BLU | RED | YEL | GRN | BLU | RED | YEL | GRN |
| YEL | GRN | BLU | RED | YEL | GRN | BLU | RED | YEL | GRN | BLU | RED |
| GRN | RED | YEL | BLU | GRN | RED | YEL | BLU | GRN | RED | YEL | BLU |

|     |     |     |     |     | NO V | OWEL |     |     |     |     |     |
|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|
| BLU | YEL | GRN | RED | BLU | YEL  | GRN  | RED | BLU | YEL | GRN | RED |
| RED | BLU | YEL | GRN | RED | BLU  | YEL  | GRN | RED | BLU | YEL | GRN |
| YEL | GRN | BLU | RED | YEL | GRN  | BLU  | RED | YEL | GRN | BLU | RED |
| BLU | YEL | GRN | RED | BLU | YEL  | GRN  | RED | BLU | YEL | GRN | RED |
| RED | BLU | YEL | GRN | RED | BLU  | YEL  | GRN | RED | BLU | YEL | GRN |
| YEL | GRN | BLU | RED | YEL | GRN  | BLU  | RED | YEL | GRN | BLU | RED |

## **INDICATORS**

| 2+ Bat | 3+ Bat | Serial Even | Serial Vowel | Parallel | FRK | CAR |
|--------|--------|-------------|--------------|----------|-----|-----|
| YES    | YES    | YES         | YES          | YES      | YES | YES |
| NO     | NO     | NO          | NO           | NO       | NO  | NO  |

## **MEMORY**

|   | Dis | olay |   |   |   | POSI | TION |   |   | LAE | BEL |   |
|---|-----|------|---|---|---|------|------|---|---|-----|-----|---|
| 1 | 2   | 3    | 4 |   | Α | В    | C    | D | 1 | 2   | 3   | 4 |
| В | В   | С    | D | Q |   |      |      |   | w |     |     |   |
| 4 | Q   | A    | Q | R |   |      |      |   | X |     |     |   |
| X | w   | С    | 4 | S |   |      |      |   | Y |     |     |   |
| Q | A   | R    | R | т |   |      |      |   | z |     |     |   |
| W | X   | Z    | Y |   |   |      |      |   |   |     |     |   |

#### **MAZES**

| A1,       | A4 |            |    |            |    |
|-----------|----|------------|----|------------|----|
|           | В1 |            |    |            |    |
| A2        | В2 | C2         | D2 | E2         | F2 |
| АЗ        | В3 | С3         | D3 | <b>E</b> 3 | F3 |
| A4        | В4 | C4         | D4 | E4         | F4 |
| <b>A5</b> | В5 | <b>C</b> 5 | D5 | <b>E</b> 5 | F5 |
| A6        | В6 | C6         | D6 | E6         | F6 |

| F3 |                            |                               |                                              |                                                                                  |
|----|----------------------------|-------------------------------|----------------------------------------------|----------------------------------------------------------------------------------|
|    |                            |                               |                                              |                                                                                  |
| В2 | <b>C2</b>                  | D2                            | E2                                           | F2                                                                               |
| В3 | С3                         | D3                            | E3                                           | F3                                                                               |
|    |                            |                               |                                              |                                                                                  |
| В5 | <b>C</b> 5                 | D5                            | E5                                           | F5                                                                               |
| В6 | C6                         | D6                            | <b>E6</b>                                    | F6                                                                               |
|    | B1<br>B2<br>B3<br>B4<br>B5 | B1 C1 B2 C2 B3 C3 B4 C4 B5 C5 | B1 C1 D1 B2 C2 D2 B3 C3 D3 B4 C4 D4 B5 C5 D5 | F3  B1 C1 D1 E1  B2 C2 D2 E2  B3 C3 D3 E3  B4 C4 D4 E4  B5 C5 D5 E5  B6 C6 D6 E6 |

| В1,       | В6 |            |    |            |    |
|-----------|----|------------|----|------------|----|
| A1        | B1 | C1         | D1 | E1         | F1 |
| A2        |    |            |    |            |    |
| АЗ        |    |            |    |            |    |
| <b>A4</b> |    |            |    |            |    |
| <b>A5</b> | В5 | <b>C</b> 5 | D5 | <b>E</b> 5 | F5 |
| A6        | В6 | C6         | D6 | <b>E6</b>  | F6 |
|           |    |            |    |            |    |

| 01 E1 F1<br>02 E2 F2 |
|----------------------|
| 2 52 52              |
| )2   E2   F2         |
| 3 E3 F3              |
| 04 E4 F4             |
| 5 E5 F5              |
| 6 E6 F6              |
| ֡                    |

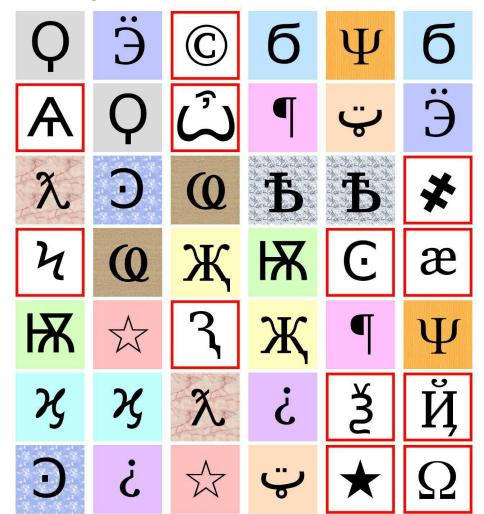
| D1,        |    |            |    |           |    |
|------------|----|------------|----|-----------|----|
| A1         | B1 | C1         | D1 | E1        | F1 |
| A2         | B2 | C2         | D2 | E2        | F2 |
| АЗ         | В3 | С3         | D3 | <b>E3</b> | F3 |
| <b>A4</b>  | В4 | C4         | D4 | E4        | F4 |
| <b>A</b> 5 | В5 | <b>C</b> 5 | D5 | E5        | F5 |
| A6         | В6 | C6         | D6 | E6        | F6 |
|            |    |            |    |           |    |

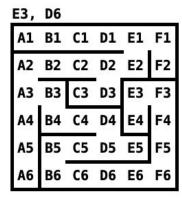
| F4 |                            |                               |                                              |                                                                                                                                                                               |
|----|----------------------------|-------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| В1 | <b>C1</b>                  | D1                            | E1                                           | F1                                                                                                                                                                            |
| В2 | C2                         | D2                            | E2                                           | F2                                                                                                                                                                            |
| вз | С3                         | D3                            | E3                                           | F3                                                                                                                                                                            |
| В4 | C4                         | D4                            | E4                                           | F4                                                                                                                                                                            |
| В5 | <b>C</b> 5                 | D5                            | <b>E</b> 5                                   | F5                                                                                                                                                                            |
| В6 | C6                         | D6                            | E6                                           | F6                                                                                                                                                                            |
|    | B1<br>B2<br>B3<br>B4<br>B5 | B1 C1 B2 C2 B3 C3 B4 C4 B5 C5 | B1 C1 D1 B2 C2 D2 B3 C3 D3 B4 C4 D4 B5 C5 D5 | B1     C1     D1     E1       B2     C2     D2     E2       B3     C3     D3     E3       B4     C4     D4     E4       B5     C5     D5     E5       B6     C6     D6     E6 |

| C5 |                            |                               |                                              |                                                                                                                                                                                                                                        |
|----|----------------------------|-------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| В1 | C1                         | D1                            | E1                                           | F1                                                                                                                                                                                                                                     |
| B2 | C2                         | D2                            | E2                                           | F2                                                                                                                                                                                                                                     |
| В3 | С3                         | D3                            | E3                                           | F3                                                                                                                                                                                                                                     |
| В4 | C4                         | D4                            | E4                                           | F4                                                                                                                                                                                                                                     |
| В5 | <b>C</b> 5                 | D5                            | E5                                           | F5                                                                                                                                                                                                                                     |
| В6 | C6                         | D6                            | <b>E6</b>                                    | F6                                                                                                                                                                                                                                     |
|    | B1<br>B2<br>B3<br>B4<br>B5 | B1 C1 B2 C2 B3 C3 B4 C4 B5 C5 | B1 C1 D1 B2 C2 D2 B3 C3 D3 B4 C4 D4 B5 C5 D5 | C5         B1       C1       D1       E1         B2       C2       D2       E2         B3       C3       D3       E3         B4       C4       D4       E4         B5       C5       D5       E5         B6       C6       D6       E6 |

| E2,       | B4 |            |    |            |    |
|-----------|----|------------|----|------------|----|
|           | В1 |            |    |            |    |
|           | B2 |            |    |            |    |
| А3        | В3 | СЗ         | D3 | <b>E3</b>  | F3 |
|           | В4 |            |    |            |    |
| <b>A5</b> | B5 | <b>C</b> 5 | D5 | <b>E</b> 5 | F5 |
| <b>A6</b> | В6 | C6         | D6 | E6         | F6 |

### **KEYPADS**





| PAS | PASSWORDS  |                 |           |       |       |   |   |   |
|-----|------------|-----------------|-----------|-------|-------|---|---|---|
|     | 1st Letter |                 |           |       |       |   |   |   |
|     | Α          | В               | С         | Е     | F     | G | Н | L |
|     |            |                 |           |       |       |   |   |   |
|     |            |                 |           |       |       |   |   |   |
|     |            |                 |           |       |       |   |   |   |
|     |            |                 |           |       |       |   |   |   |
|     | N          | 0               | P         | R     | S     | Т | W |   |
|     |            |                 |           |       |       |   |   |   |
|     |            |                 |           |       |       |   |   |   |
|     |            |                 |           |       |       |   |   |   |
|     |            |                 |           | 4th L | etter |   |   |   |
|     | _          | •               |           |       |       |   |   |   |
|     | Α          | С               | D         |       |       | G | Н | I |
|     |            |                 |           |       |       |   |   |   |
|     |            |                 |           |       |       |   |   |   |
|     |            |                 |           |       |       |   |   |   |
|     | L          | N               | 0         | R     |       | S | Т | U |
|     | <b>-</b>   | IN              |           |       |       | 3 | · | U |
|     |            |                 |           |       |       |   |   |   |
|     |            |                 |           |       |       |   |   |   |
|     |            |                 |           |       |       |   |   |   |
|     |            |                 | IN, U=ABO | UT    |       |   |   |   |
|     | O=BELO     |                 |           |       |       |   |   |   |
|     | L=COUL     |                 |           |       |       |   |   |   |
|     | R=EVER     |                 | ~         |       |       |   |   |   |
|     |            | D, S=FIRS       | S'I'      |       |       |   |   |   |
|     | A=GREA!    |                 |           |       |       |   |   |   |
|     | S=HOUS     | £<br>F R=T.F.∆1 | DM        |       |       |   |   |   |

- L, G=LARGE, R=LEARN
- N, E=NEVER
- O, E=OTHER
- P, C=PLACE, N=PLANT/POINT
- R, H=RIGHT
- S, D=STUDY, L=SMALL/SPELL/STILL, N=SOUND
- T, E=THREE, I=THEIR, N=THING/THINK, R=THERE, S=THESE
- W, C=WHICH, E=WATER, L=WORLD/WOULD, R=WHERE, T=WRITE

#### **MORSE CODE**

| E•  | A • - | s       | G •       | V • • • - | B - • • • |
|-----|-------|---------|-----------|-----------|-----------|
| T - | N - • | R•-•    | 0         | F••-•     | X - • • - |
| ••  | M     | K - • - | H • • • • | L • - • • | C - • - • |

| <b>BEATS</b> : 3.600  | <b>BREAK</b> : 3.572 | <b>LEAKS</b> : 3.542 | <b>STING</b> : 3.592  |
|-----------------------|----------------------|----------------------|-----------------------|
| <b>BISTRO</b> : 3.552 | <b>BRICK</b> : 3.575 | <b>SHELL</b> : 3.505 | <b>STROBE</b> : 3.545 |
| <b>BOMBS</b> : 3.565  | FLICK: 3.555         | <b>SLICK</b> : 3.522 | TRICK: 3.532          |
| <b>BOXES</b> : 3.535  | <b>HALLS</b> : 3.515 | <b>STEAK</b> : 3.582 | <b>VECTOR</b> : 3.595 |

#### WHO'S ON FIRST

**MIDDLE** 

YOU ARE NOTHING Sorted by length. When calculating word length, only include letters.

RED words can be ambiguous, and should be spelled or otherwise disambiguated.

| "": BL  | SEE: BR  | REED: BL  | YOU'RE: MR   |
|---------|----------|-----------|--------------|
| C: TR   | YES: ML  | SAYS: BR  | HOLD ON: BR  |
| NO: BR  | YOU: MR  | YOUR: MR  | THEY'RE: BL  |
| UR: TL  | LEAD: BR | BLANK: MR | YOU ARE: BR  |
| CEE: BR | LEED: BL | FIRST: TR | DISPLAY: BR  |
| LED: ML | OKAY: TR | THEIR: MR | NOTHING: ML  |
| RED: MR | READ: MR | THERE: BR | THEY ARE: ML |

UH HUH, SURE, NEXT, WHAT?, YOU'RE, UR, UH UH, DONE, U NO BLANK, UHHH, WAIT, FIRST, WHAT, READY, RIGHT, YES, NOTHING, LEFT, PRESS, OKAY, NO **HR** DONE, U, UR **YES** OKAY, RIGHT, UHHH, MIDDLE, FIRST, WHAT, PRESS, READY, NOTHING, YES SURE, YOU ARE, YOUR, YOU'RE, NEXT, UH HUH, UR, HOLD, WHAT?, YOU YOU SURE, UH HUH, NEXT, WHAT?, YOUR, UR, YOU'RE, HOLD, LIKE, YOU, U, YOU ARE, UH UH, DONE DONE HOLD YOU ARE, U, DONE, UH UH, YOU, UR, SURE, WHAT?, YOU'RE, NEXT, HOLD **LEFT** RIGHT, LEFT LIKE YOU'RE, NEXT, U, UR, HOLD, DONE, UH UH, WHAT?, UH HUH, YOU, LIKE **NEXT** WHAT?, UH HUH, UH UH, YOUR, HOLD, SURE, NEXT **OKAY** MIDDLE, NO, FIRST, YES, UHHH, NOTHING, WAIT, OKAY SURE YOU ARE, DONE, LIKE, YOU'RE, YOU, HOLD, UH HUH, UR, SURE **UHHH** READY, NOTHING, LEFT, WHAT, OKAY, YES, RIGHT, NO, PRESS, BLANK, UHHH **UH UH** UR, U, YOU ARE, YOU'RE, NEXT, UH UH WAIT UHHH, NO, BLANK, OKAY, YES, LEFT, FIRST, PRESS, WHAT, WAIT **WHAT** UHHH, WHAT YOU, HOLD, YOU'RE, YOUR, U, DONE, UH UH, LIKE, YOU ARE, UH HUH, UR, NEXT, WHAT? WHAT? YOUR UH UH, YOU ARE, UH HUH, YOUR **BLANK** WAIT, RIGHT, OKAY, MIDDLE, BLANK **FIRST** LEFT, OKAY, YES, MIDDLE, NO, RIGHT, NOTHING, UHHH, WAIT, READY, BLANK, WHAT, PRESS, FIRST **PRESS** RIGHT, MIDDLE, YES, READY, PRESS **READY** YES, OKAY, WHAT, MIDDLE, LEFT, PRESS, RIGHT, BLANK, READY YES, NOTHING, READY, PRESS, NO, WAIT, WHAT, RIGHT RIGHT **UH HUH UH HUH** YOU'RE YOU, YOU'RE

BLANK, READY, OKAY, WHAT, NOTHING, PRESS, NO, WAIT, LEFT, MIDDLE

YOUR, NEXT, LIKE, UH HUH, WHAT?, DONE, UH UH, HOLD, YOU, U, YOU'RE, SURE, UR, YOU ARE

UHHH, RIGHT, OKAY, MIDDLE, YES, BLANK, NO, PRESS, LEFT, WHAT, WAIT, FIRST, NOTHING