Key Combos

- Easiest to Write
- For Shortcuts & Hotkeys
- Any Combo of:
- Special Keys / Letters / Numbers

ENTER

CTRL s

COMMAND SHIFT 4

Type Key Name in ALL CAPS

Full Docs

- duckyPad User Manual
- duckyScript Instructions

Available Special Keys

CTRL / RCTRL SHIFT / RSHIFT ALT / RALT WINDOWS / RWINDOWS COMMAND / RCOMMAND OPTION / ROPTION ESC ENTER UP/DOWN/LEFT/RIGHT SPACE BACKSPACE TAB CAPSLOCK PRINTSCREEN SCROLLLOCK PAUSE BREAK INSERT HOME PAGEUP / PAGEDOWN DELETE END MENU

POWER

F1 - F24

(media keys) MK VOLUP MK VOLDOWN MK MUTE MK PREV MK NEXT MK PP (play/pause) MK STOP (numpad keys) NUMLOCK KP SLASH KP ASTERISK KP MINUS KP PLUS KP ENTER KP 0 - KP 9 KP DOT KP EQUAL

(Japanese IME)

ZENKAKUHANKAKU

KATAKANAHIRAGANA

HENKAN

MUHENKAN

duckyScript Commands

Timing		
DELAY n	Wait n Milliseconds	
DEFAULTDELAY n	How long to wait between each line of code	
DEFAULTCHARDELAY n	How long to wait between <mark>each keystroke</mark>	
CHARJITTER n	Additional random delay between 0 and n ms after each key stroke	

Typing		
STRING text	Type text AS-IS	
STRINGLN text	Same as above Press ENTER at end	
STRING_BLOCK END_STRING	Type text block AS-IS	
STRINGLN_BLOCK END_STRINGLN	Same as above Press ENTER after each line	

Mouse		
LMOUSE	Left Click	
MMOUSE	Middle Click	
RM0USE Right Click		
MOUSE_MOVE x y	Move Mouse in Pixels x: + Right - Left y: + Up - Down	
MOUSE_WHEEL n	Scroll mouse wheel n lines + Up - Down	

OLED		
OLED_CLEAR	Clear Screen	
OLED_CURSOR x y	Set Cursor x y: 0 to 127 Top left (0,0)	
OLED_PRINT text	Print Text at Current Cursor	
OLED_CIRCLE x y radius fill	x y: Position radius: In Pixels fill: 0 or 1	
OLED_LINE x1 y1 x2 y2	x1 y1: Start x2 y2: End	
OLED_RECT x1 y1 x2 y2 fill	Draw Rectangle x1 y1: Start x2 y2: End fill:0 or 1	
OLED_UPDATE	Call This to See Changes on Screen!	
OLED_RESTORE	Show Default Screen	

	fill: 0 or 1	
OLED_UPDATE	Call This to See Changes on Screen!	
OLED_RESTORE	Show Default Screen	
RGB Backlight		
SWC_SET n r g b	Change RGB Colour n: Key ID (0 for current switch) r g b: 0 to 255	
SWC_FILL r g b	Change ALL RGB r g b: 0 to 255	
SWC_RESET n	Reset RGB to Default n: Key ID 0 = Current Key 99 = All keys	

Keys		
Key Combos	See Page 1	
KEYDOWN key	Hold key	
KEYUP key Release Key		
key can be letter, number, or special key.		

Profile Switching		
PREV_PROFILE		
NEXT_PROFILE		
GOTO_PROFILE name	Case sensitive	
Also check out duckyPad Autoswitcher!		

Miscellaneous	
DP_SLEEP	RGB & Screen OFF Halt Execution
HALT	Halt Execution
REPEAT n	Repeat line above n times

Comments
REM
//
REM_BLOCK END_REM

duckyScript: Advanced Usage

Constants		
DEFINE	Define a Constant	
Replaced AS-IS during preprocessing		
DEFINE MY_EMAIL bo		

Variables		
VAR	Declare a Variable	
Start with \$ Global scope 16-bit integer Can be printed		
VAR \$count = 10 STRING I have \$count eggs		

	Operators			
	Perform on Constants and Variables			
	Assign	== Equal	&& Logical AND	
	Add Subtract	!= Not equal	Logical OR	
	Multiply	> Greater than		
	Divide		Bitwise OR	
%	Modulus	>= GTE <= LTE	<< Left Shift >> Right Shift	
^	Exponent	`	r Kigire Jilire	

Code inside is executed If expression is non-zero IF expression THEN code END_IF Multiple Checks ELSE IF ... THEN ELSE

Code inside is repeated If expression is non-zero WHILE expression code END_WHILE Jump to start of loop CONTINUE Exit loop immediately LBREAK

Functions Run block of code efficiently FUNCTION my_func() code END_FUNCTION my_func() // call it Use global variable for return value

Reading Buttons: Blocking

VAR \$this_k = \$_BLOCKING_READKEY

Waits until a key is pressed, returns its ID

Reading Buttons: Non-Blocking

VAR \$this_k = \$_READKEY

Returns 0 if no key pressed, KeyID otherwise

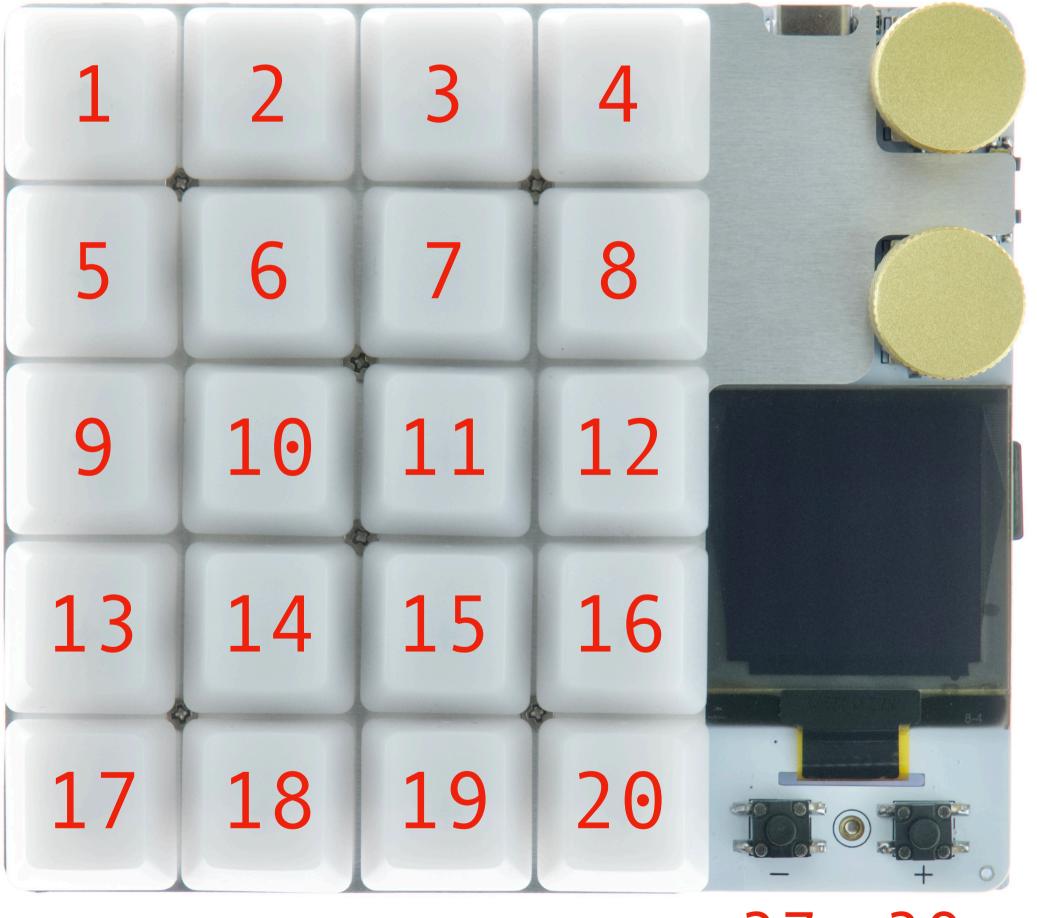
Randomisation

\$_RANDOM_MIN = 0 \$_RANDOM_MAX = 100 VAR \$eggs = \$_RANDOM_INT Range is **inclusive**

Reserved Variables						
\$_RANDOM_MIN	Read &					
\$_RANDOM_MAX	Write					
\$_RANDOM_INT						
\$_TIME_S						
\$_TIME_MS						
\$_READKEY	Read Only					
<pre>\$_BLOCKING_READKEY</pre>						
<pre>\$_IS_NUMLOCK_ON</pre>	OTTLY					
<pre>\$_IS_CAPSLOCK_ON</pre>						
<pre>\$_IS_SCROLLLOCK_ON</pre>						
\$_THIS_KEYID						

duckyScript: Key IDs

- Each key on duckyPad has a unique ID
- Used for reading button status and changing RGB colour
- Key Test sample script provided



Rotary Enoder	Clockwise	Counter Clockwise	Press	
Upper	21	22	23	
Lower	24	25	26	

Expansion Module				CH4				
Clasast to	37							
2nd Closest				48				
etc.								