duckyScript: Simple Key Combos

POWER

F1 - F24

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

(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

duckyPad Quick Ref 1/4

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 each keystroke		
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		
RMOUSE	Right Click		
MOUSE_MOVE x y	Move Mouse in Pixels x: + Right - Left y: + Up - Down		
MOUSE_WHEEL n	Scroll n lines + Up - Down		

OLED				
Clear Screen				
Set Cursor × y: 0 to 127 (0,0) = Top Left				
Print Text at Current Cursor				
x y: Position radius: In Pixels fill: 0 or 1				
x1 y1: Start x2 y2: End				
Draw Rectangle x1 y1: Start x2 y2: End fill:0 or 1				
Call This to See Changes on Screen!				
Show Default Screen				

	fill: 0 or 1		
OLED_UPDATE	Call This to See Changes on Screen!		
OLED_RESTORE	Show Default Screen		
RGB E	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		

Pressing 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 Halts 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	b@me.com		
STRING My email is	MY_EMAIL!		

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

Operators				
Perf	orm	on Constants and	l Var	iables
Assign	==	Equal	&&	Logical AND
Add		Not equal		Logical OR
Subtract Multiply	>	Greater than	&	Bitwise AND
Divide	<	Less than		Bitwise OR
Modulus		GTE	<<	Left Shift
Exponent	<=	LTE	>>	Right Shift

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			
<pre>my_func() // call it</pre>			
Use global variable for args & returns			

Persistent Global Variables \$_GV0 to \$_GV15 • Available across all profiles • Persists over reboots

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

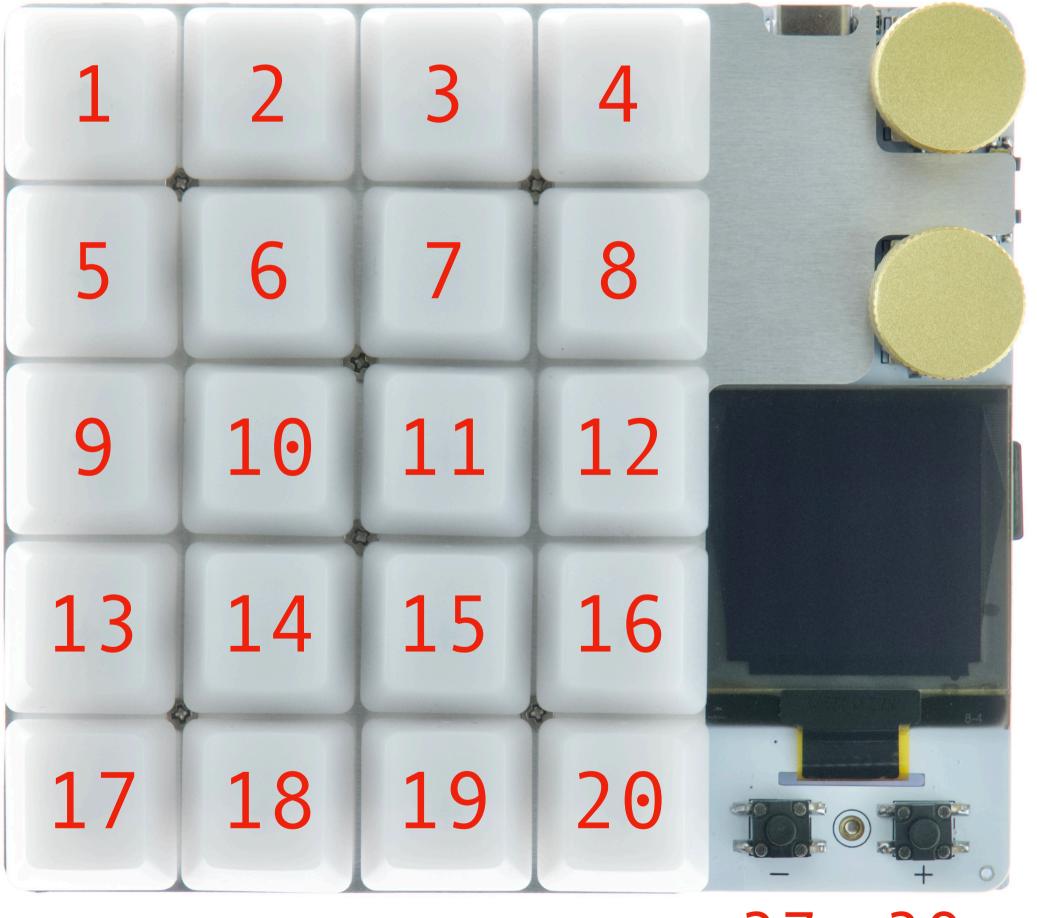
Randomisation

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

Reserved Varial	oles		
\$_RANDOM_MIN	Read &		
\$_RANDOM_MAX	Write		
<pre>\$_RANDOM_INT</pre>			
\$_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 Clockwise		Press	
Upper	21	22	23	
Lower	24	25	26	

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