



 **Ducky**
Channel
www.duckychannel.com.tw

DKON1508S / DKON1687S
User Manual

Ducky One

- 型號：DKON1508S / DKON1687S
- 印字技術：二色成形 或 雷射雕刻
- 結構：機械式結構
- 尺寸：440 x 133 x 41 mm / 356.6 x 133 x 41 mm
- 軸：Cherry MX 機械軸
- 重量：1.3kg / 1.1kg
- LED：單色LED燈
- 產品：台灣
- 鍵帽材質：ABS



USB 輸出字元加速功能

特色說明:可以在USB介面中,調整鍵盤按鍵字元訊號輸出的延遲時間,以及字元訊號的重複頻率。進行USB輸出字元加速設定時,只有在「Function Mode模式」下才能進行切換,在一般模式下無法立即切換。

F9	開啟/關閉 Function Mode模式	必須壓住3秒鐘切換
F1	首字延遲 1倍(預設)	調整USB Repeat Delay Time
F2	首字延遲 2倍	
F3	首字延遲 4倍	
Fn + F4 =	首字延遲 8倍	
F5	字元重複頻率1倍 (預設)	調整USB Repeat Rate
F6	字元重複頻率2倍	
F7	字元重複頻率4倍	
F8	字元重複頻率8倍	

● USB輸出字元加速模式在不同遊戲程式的設計方式下,可能會有不同表現結果,請依使用習慣自行調整。

單色燈光操作模式

Fn + F10 =	第一次：100%全亮模式
	第二次：呼吸燈模式
	第三次：雨滴模式
	第四次：單點亮模式
	第五次：漣漪模式
	第六次：關閉所有燈光效果

以上各種模式皆可透過下列操作來進行細節調整

- Fn + ↑ : 增加亮度。
- Fn + → : 增加燈光效果速度。
- Fn + ↓ : 降低亮度。
- Fn + ← : 降低燈光效果速度。

Fn + F10 按住3秒鐘,可以關閉所有燈光效果(含CM1、CM2)。

記憶區域背光

Ducky One採用Ducky背光專利功能：記憶區域背光，提供2組給使用者儲存鍵盤上想要背光的區域設定。此外，也能讓記憶區域背光的按鍵，顯示呼吸燈效果。

Fn + F11	CM1依序有不同動作： 第1段：依玩家設定的區域亮燈顯示。 第2段：依玩家設定的區域呼吸燈顯示。 第3段：關閉 CM1。
Fn + F12	CM2依序有不同動作： 第1段：依玩家設定的區域亮燈顯示。 第2段：依玩家設定的區域呼吸燈顯示。 第3段：關閉 CM2。
Fn + PrtSc	REC1
Fn + Pause	REC2
Caps Lock + (↑或↓)	調整按鍵亮度，包含關閉燈光有8階亮度
Caps Lock + Scroll Lock	REC Over

操作重點提示：先調整喜歡的亮度，再選擇要指定的按鍵。

操作過程：

1. 按住 Fn + PrtSc為設定CM1的設定，若按下Fn + Pause 則是設定CM2的設定。
2. 當進入錄製模式後，Caps Lock按鍵會顯示當前要設定的顯示亮度，可以透過Caps Lock + (↑或↓)進行亮度調整。當有喜歡的亮度出現時，直接在鍵盤上按下任意鍵，該鍵就會儲存成喜歡的顏色。
3. 使用者可以重覆上一個步驟，讓Ducky One在同一組區域背光設定中，不同按鍵能擁有多種不同亮度效果。若該鍵已被設定亮起，再按一下可取消該鍵的設定值。
4. 當完成錄製後，按下REC Over(Caps Lock + Scroll Lock)功能，結束錄製。此時Caps Lock按鍵指示的亮度，會變成Caps Lock按鍵的設定值。

註：

- 當進入錄製模式時，會先顯示上一回儲存的內容狀態。
- 錄製30秒無動作，不儲存後自動關閉。
- CM1、CM2可以與其他燈光模式並存，CM1優先權較高(CM1>CM2)，分別控制個別區塊。

行動電源DEMO模式

適合插在行動電源或USB充電座提供燈光效果展示之用，不送出鍵盤訊號。

壓住按鍵左Ctrl + 左Shift + Caps Lock，再輸入電源。
此模式下無法記憶，每次使用皆須重新插拔。

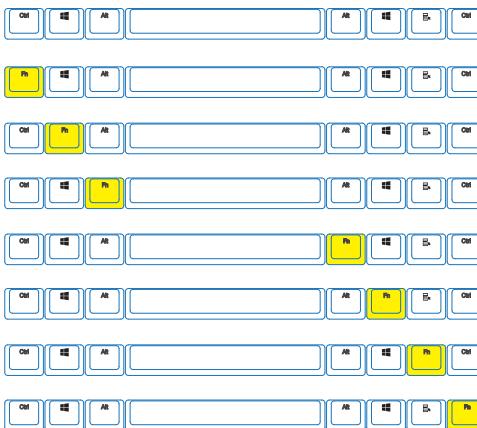
回復出廠設定

美規、歐規	左Windows鍵 + 右Windows鍵
日規	Fn + 左Windows鍵
● 壓住3秒後，全鍵盤會閃3下表示完成回復	

DIP開關功能

DIP1~DIP3決定Fn鍵位置(預設為OFF、OFF、OFF)：

DIP1	DIP2	DIP3
ON	ON	ON
OFF	ON	ON
ON	OFF	ON
OFF	OFF	ON
ON	ON	OFF
OFF	ON	OFF
OFF	OFF	OFF
ON	OFF	OFF



	OFF (預設值)	ON
DIP 4	N-Key Rollover任意全鍵輸出	6-Key Rollover任意6鍵輸出

- 若將鍵盤接上特殊器材(如KVM)等裝置，建議切換成6-Key Rollover達到最高支援性。
- 當進行N-Key Rollover與6-Key Rollover模式切換時，請重新插拔並且需讓鍵盤完全斷電15秒才能順利切換。
- 只有在N-Key Rollover模式（預設模式）下才能更新韌體。

Ducky One 特別功能：滑鼠功能控制

- 開啟/關閉功能：

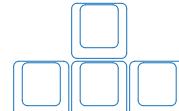
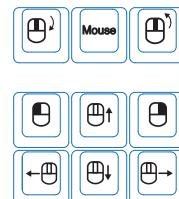
DKON1687S → Fn + Scroll Lock

DNON1508S → Fn + Number Lock

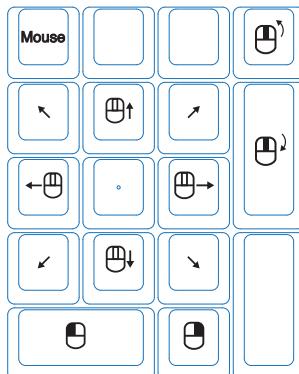
- 提示：最右邊的M指示燈亮起，代表開啟滑鼠功能

滑鼠功能圖示

DKON1687S



DKON1508S



Ducky Macro V2.0

特色說明：

- 1組原始鍵盤功能，5組玩家客製設定值（Profile）
- 可以設定（Macro）巨集之按鍵（2 layer）
 - 原始鍵盤上任一個按鍵（Default layer）
 - Fn層按鍵（Fn layer）
- 按鍵可以設定之功能
 - 多媒體功能鍵
 - 更換字元
 - 連續按鍵輸出
 - ◆ 時間記錄：
 - 呈現使用者按下的原始情況
 - 手動加入時間間隔
 - ◆ 巨集執行狀況：
 - 按一下執行一次
 - 按下持續執行到使用者按下第2次
 - 壓下按鍵時持續執行
- 無法設定Macro功能的按鍵：
 - Fn
 - Fn + ESC
 - Fn + F1~F12
 - Fn + Print Screen
 - Fn + Scroll Lock
 - Fn + Pause
 - Fn + 0~9
 - Fn + Ctrl
 - Fn + Alt
 - Fn + Windows
 - Fn + ↑ ↓ ← →
 - Fn + Space

Ducky Macro 基本快捷鍵功能

切換設定檔 (Profile)

Fn +	1	=	切換至第1組設定	原始鍵盤功能（預設值） 可自定義按鍵Macro功能
	2		切換至第2組設定	
	3		切換至第3組設定	
	4		切換至第4組設定	
	5		切換至第5組設定	
	6		切換至第6組設定	

- 燈光效果：當切換完後，Caps Lock按鍵會閃爍該設定值數字的次數。
- 只有Profile 2~6才可以進行Macro設定。

清除單一個設定檔的Macro設定

美規、歐規	任一個Windows鍵 + 空白鍵 3秒
日規	左Windows鍵 + 空白鍵 3秒

- 此為清除當前設定檔模式下的所有Macro功能。

巨集執行狀況選項

Fn +	Q	=	按1下後執行1次巨集
	W		按1次後持續執行巨集，直到按下第2次按鍵才停止
	E		按住按鍵時持續執行巨集，直到放開按鍵才停止

註：執行巨集過程中，若有壓下其他按鍵時則停止原始巨集之輸出。

巨集時間記錄選項

Fn +	1	=	0.02s
	2		0.1s
	3		0.2s
	4		0.4s
	5		0.8s
	6		1s

註：巨集預設輸入會以使用者打字的時間進行記錄儲存，但在設定時有加入過1次間隔時間，整串巨集將更改成客製時間間隔處理，沒有加入時間間隔將以預設0.02秒輸出。

Macro 開啟/跳出錄製快捷鍵：按住 Fn + Ctrl 3秒

多媒體鍵功能設定

除了將按鍵透過Ducky Macro設定更換字元與巨集輸出外，Ducky再提供更多選項，包含可以將按鍵設定成多媒體鍵與滑鼠功能等24種功能設定。
設定Macro時只要輸入下方表格的組合鍵，即可替換按鍵功能設定，詳細也可以參考後面章節的Ducky Macro使用範例。

Fn + Windows鍵 + 下方按鍵			
A	音量靜音	M	搜尋
B	音量變大	N	上一頁
C	音量變小	O	下一頁
D	播放 / 暫停	P	滑鼠左鍵
E	停止	Q	滑鼠右鍵
F	下一首	R	滑鼠中鍵
G	上一首	S	滑鼠遊標向上
H	計算機	T	滑鼠遊標向下
I	我的電腦	U	滑鼠遊標向左
J	瀏覽器首頁	V	滑鼠遊標向右
K	郵件	W	滑鼠滾輪向上捲動
L	多媒體程式	X	滑鼠滾輪向下捲動

註：此為Ducky Macro V2.0新增功能。



註：由於英文字母在不同語言配置略有差異，此設定以美規配置為主
詳細請參考圖示。

Windows常見功能快捷鍵

Ducky Macro也能透過Windows組合鍵的方式來完成PC操作快捷功能，在此僅提供一些常用的快捷功能鍵提供參考，若想要詳細內容可以參考Microsoft網站的資訊：

<http://windows.microsoft.com/en-us/windows/keyboard-shortcuts>。

Windows常見功能快捷鍵	
Ctrl + C	複製選取的項目
Ctrl + X	剪下選取的項目
Ctrl + V	貼上選取的項目
Ctrl + Z	復原動作
Ctrl + Y	重做動作
Ctrl + N	建立新文件
Ctrl + O	開啟現有的文件
Ctrl + S	儲存文件的變更
Ctrl + P	列印文件
Alt + F4	關閉使用的程式
Windows鍵 + D	顯示桌面
Windows鍵 + M	將所有視窗最小化
Windows鍵 + L	鎖定電腦或切換使用者
Windows鍵 + R	開啟【執行】對話方塊
Windows鍵 + F	搜尋檔案或資料夾
Windows鍵 + ↑	最大化視窗
Windows鍵 + ↓	最小化視窗
Windows鍵 + ←	將視窗最大化到螢幕左側
Windows鍵 + →	將視窗最大化到螢幕右側
Windows鍵 + Home	最小化使用中視窗之外的所有視窗

Ducky Macro 使用範例

注意事項：請先將設定檔設定成Profile 2 ~ 6才可以進行Macro設定。

情境A：想要將Z設定成Q輸出

操作方式：按住Fn + Ctrl 3秒鐘 → 按下Z → 按下Q → Fn + Ctrl

情境B：想要按下Fn + A後連續輸出文字「Ducky」直到使用者放開按鍵才停止動作

操作方式：按住Fn + Ctrl 3秒鐘 → 按下Fn + A → 輸入文字Ducky
→ Fn + E → Fn + Ctrl

情境C：想要將Q設定輸出文字「key」，但希望每個字母輸出的時間間隔約0.2秒

操作方式：按住Fn + Ctrl 3秒鐘 → 按下Q → 輸入k → Fn + 3 → 輸入 e
→ Fn + 3 → 輸入 y → Fn + Ctrl

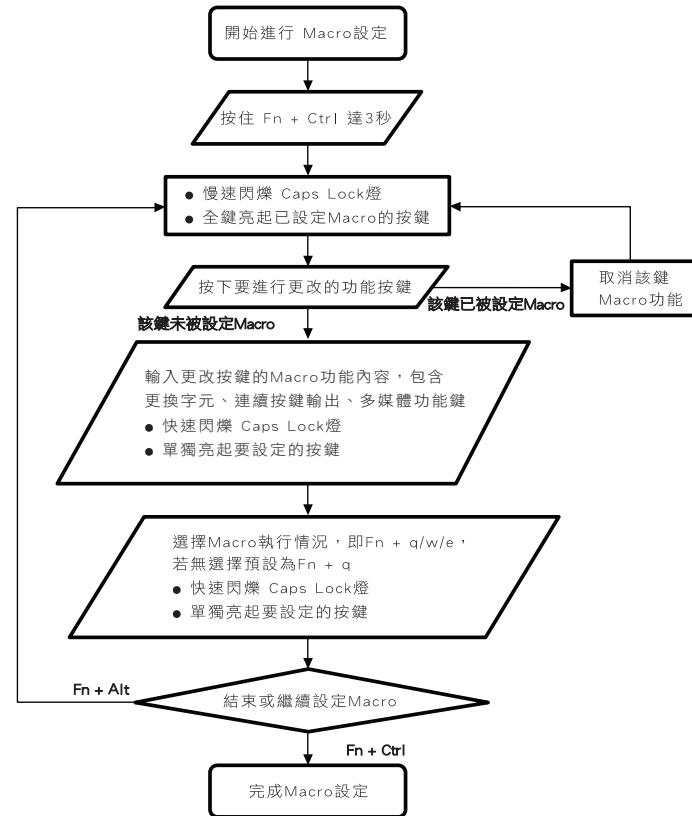
情境D：想要將M設定成音量靜音功能

操作方式：按住Fn + Ctrl 3秒鐘 → 按下M → 按住Fn + Windows鍵 + A
→ Fn + Ctrl

情境E：在Windows系統下，想要按下F1就能顯示桌面

操作方式：按住Fn + Ctrl 3秒鐘 → 按下F1 → 按住Windows鍵 + D
→ Fn + Ctrl

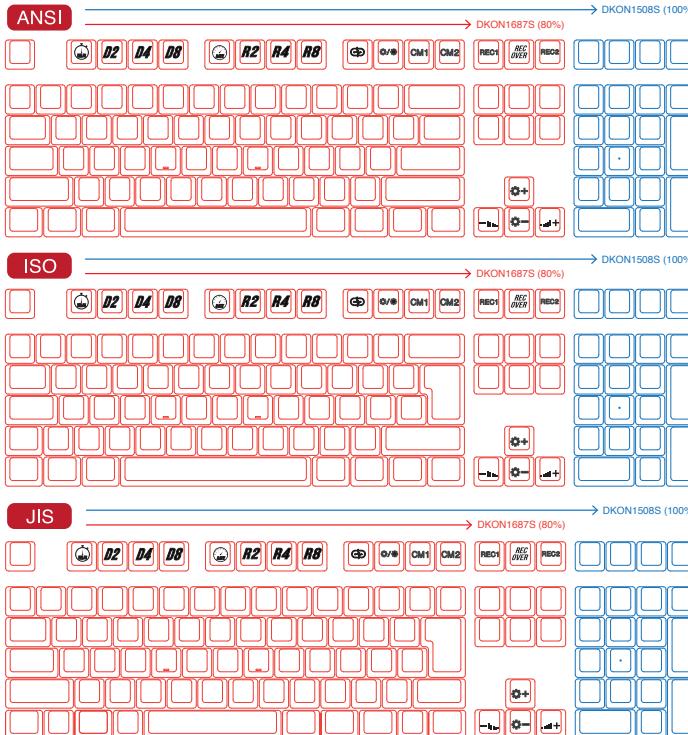
Ducky Macro (巨集) 設定邏輯圖



Ducky One

- Model Name : DKON1508S / DKON1687S
- Type : Mechanical Keyboard
- Switch : Cherry MX mechanical switches
- LED : Single color LED
- Keycap Material : ABS

- Legend printing : Double shot or Laser engraving
- Dimensions : 440 x 133 x 41 mm / 356.6 x 133 x 41 mm
- Weight : 1.3kg / 1.1kg
- Origin of Production : Taiwan



USB Repeat Acceleration

This features allows the user to adjust the repeat delay and repeat rate under USB. USB Repeat Acceleration may work differently in different applications. Please use a suitable setting accordingly. USB Repeat Acceleration can only be adjusted under "Function Mode."

Fn +	F9	Function Mode On/Off	Must Hold for 3 sec
	F1	Repeat Delay 1x (Default)	
	F2	Repeat Delay 2x	
	F3	Repeat Delay 4x	
	F4	Repeat Delay 8x	
	F5	Repeat Rate 1x (Default)	
	F6	Repeat Rate 2x	
	F7	Repeat Rate 4x	
	F8	Repeat Rate 8x	

Note: USB Repeat Acceleration may work differently in different applications. Please use a suitable setting accordingly.

Backlighting Modes

Fn + F10 =	First Mode: 100% Full Backlight Mode
	Second Mode: Breathing Mode
	Third Mode: Raindrop Mode
	Fourth Mode: Reactive Mode
	Fifth Mode: Ripple Mode
	Sixth Mode: Backlighting Off

All above modes can be user adjusted with the following key sequence.

- Fn + ↑ : Increase brightness.
- Fn + ↓ : Decrease brightness.
- Fn + → : Increase speed.
- Fn + ← : Decrease speed.

Hold Fn + F10 for 3 seconds to turn off all backlighting (including CM1 and CM2).

LED Zone Customization Mode

Ducky One uses Ducky's patented backlighting memory technology. This mode provides 2 sets of memory, allowing you to customizing individual key's backlighting.

In addition, the customized zones be set to Breathing Mode. The keyboard can be set to exactly how the user want their backlight to behave.

Fn + F11	CM1 Cycle: First step: Turn on user customized zone and color. Second step: Breathing of user customized zone. Third step: Turn off CM1
Fn + F12	CM2 Cycle: First step: Turn on user customized zone and color. Second step: Breathing of user customized zone. Third step: Turn off CM2
Fn + PrtSc	REC1
Fn + Pause	REC2
Caps Lock + (↑ or ↓)	Adjust Caps Lock brightness, 8 level in total (including off)
Caps Lock + Scroll Lock	REC Over

Important:

Adjust to the brightness first, then set the individual keys to be set to that color.

Recording steps

1. Press Fn + PrtSc to record CM1, and Press Fn + Pause to record CM2.
2. When start recording mode, Caps Lock will display the current LED brightness. The brightness can be adjusted by hitting Caps Lock + (↑ or ↓). After setting the desired brightness, hitting any key on the keyboard will set that key to the selected brightness.
3. Repeating the above steps allows the user to set different brightness to different keys. If the key have been set, Press again to cancel the setting.
4. To finish recording, Press REC Over (Caps Lock + Scroll Lock) function to finish recording. The brightness of the Caps Lock key is the value you set.

Note:

- Entering the recording mode will display the previously saved setting.
- If no changes are made within 30 seconds in the recording mode, the recording session will terminated without saving.
- CM1 and CM2 can be turned on along with other lighting modes. CM1 has the priority over CM2 when the zone overlaps.

DEMO Mode

This mode will not send any keycodes and will not function as a keyboard. Please unplug and plug the keyboard to restart the keyboard in normal keyboard mode.

Hold Left Ctrl + Left Shift + Caps Lock then plug the keyboard into power source.

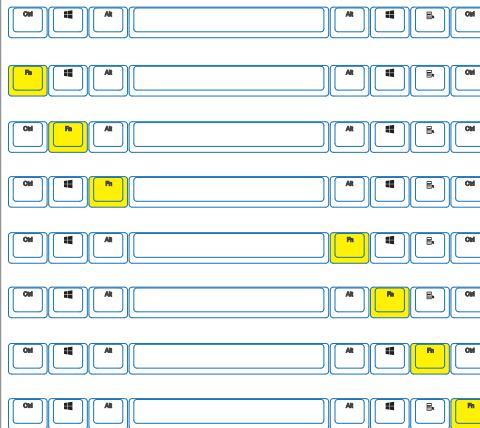
Reset to Factory Defaults

US ANSI & EU ISO Layout	Left Windows key + Right Windows key
JP JIS Layout	Fn + Left Windows key
• Hold for 3 seconds. The keyboard's backlighting will flash 3 times to indicate the keyboard have been reset.	

DIP Switch Functions

DIP1~DIP3 to decide Where FN locate (Default is OFF、OFF、OFF) :

DIP1	DIP2	DIP3
ON	ON	ON
OFF	ON	ON
ON	OFF	ON
OFF	OFF	ON
ON	ON	OFF
OFF	ON	OFF
OFF	OFF	OFF
ON	OFF	OFF



	OFF (Default)	ON
DIP 4	N-Key Rollover mode	6-Key Rollover mode

- For compatibility with KVM or operating systems that does not support N-Key Rollover (NKRO), it is recommended to switch to 6-Key Rollover (6KRO) mode.
- Keep the keyboard unplugged for 15 seconds after switching between NKRO and 6KRO mode before plugging the keyboard into the USB port.
- Ducky One cannot be upgraded under 6KRO. Please keep the keyboard in NKRO mode (default) to upgrade the firmware.

Ducky One Special function : Mouse function

- ON/OFF :

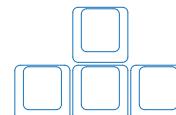
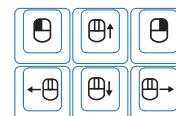
DKON1687S → Fn + Scroll Lock

DNON1508S → Fn + Number Lock

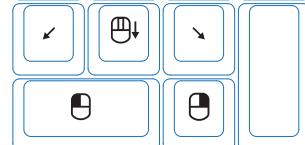
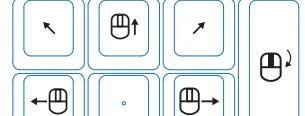
- Tips : Mouse function active while the "M" indicator light up on the right side.

Mouse function diagram

DKON1687S



DKON1508S



Ducky Macro V2.0

Features :

1 Default keyboard function, 5 custom sets for customize setting (Profile)

Set of keys (2 layers)

- Default layer
- Fn layer

Keys can be set

- Multimedia function
- Keycode change
- Macro output
 - ◆ Time record :
 - Show the original status when user PRESS it
 - Add time interval manually
 - ◆ Implementation :
 - When the key PRESS, start to run Macro
 - PRESS to Insert Macro repeatedly until PRESS again to stop
 - Repeat to insert Macro while PRESS the key

Unable to set Macro function :

- Fn
- Fn + ESC
- Fn + F1~F12
- Fn + Print Screen
- Fn + Scroll Lock
- Fn + Pause
- Fn + 0~9
- Fn + Ctrl
- Fn + Alt
- Fn + Windows
- Fn + ↑ ↓ ← →
- Fn + Space

Ducky Macro hotkeys function

Switch profiles

Fn +	1	=	Switch to profile 1	Default Key function (Default)
	2		Switch to profile 2	
	3		Switch to profile 3	
	4		Switch to profile 4	
	5		Switch to profile 5	Customize Macro Key Features
	6		Switch to profile 6	

• Lighting effects: After the configuration, the Caps Lock key will start flashing the value number that you configured.

• Only Profile 2 ~ 6 can be set for Macro.

Reset Macro setting for single profile

US ANSI & EU ISO Layout	HOLD Any Windows key + Spacebar for 3 second
JP JIS Lauout	HOLD Left Windows key + Spacebar for 3 second

• This is to reset the current Macro function profile.

Macro implementation option

Fn +	Q	=	When the key PRESS, start to perform Macro once
	W	=	PRESS to Insert Macro repeatedly until PRESS again to stop
	E	=	Repeat to insert Macro while PRESS the key

Note: Be aware, Macro function is stopped if any other key is pressed.

Macro Record Option

Fn +	1	=	0.02s
	2		0.1s
	3		0.2s
	4		0.4s
	5		0.8s
	6		1s

Note: Default Macro function will be based on the user's typing speed and record it, while setting the time interval, the Macro function will change to the customized time interval set by the user if it does not have any customized time input by the user, it will use 0.02 second as the time interval by default.

Macro Open / Shortcut keys recording: Hold Fn + Ctrl for 3 sec

Multimedia function keys

In addition to replacing the character with the macro output outside, Ducky offer more options for each button, including multimedia and mouse function keys that up to 24 different kinds of multimedia features.

Enter the button below to set key combination for Macro setting to activate the function. Refer to Ducky Macro working example at the back to see more detail.

Fn + Windows key + Keys below	
A	Mute
B	Volume up
C	Volume down
D	Play / Pause
E	Stop
F	Next playlist
G	Previous playlist
H	Calculator
I	My Computer
J	Browser
K	Mail
L	Multimedia
M	Search
N	Previous page
O	Next page
P	Mouse Left Click
Q	Mouse Right Click
R	Mouse Middle Click
S	Mouse Cursor Up
T	Mouse Cursor Down
U	Mouse Cursor Left
V	Mouse Cursor Right
W	Mouse Scroll Up
X	Mouse Scroll Down

Note: This is Ducky Macro V2.0 new features.



Note: Due to different languages would have slightly different configuration for layout, this is set to based on US layout for configure.

Windows common function keys

Ducky Macro hotkeys can be used in conjunction with combination of windows keys to complete the shortcut function.

This is a reference to the most used hotkeys only, please refer to Microsoft website for more detail:

<http://windows.microsoft.com/en-us/windows/keyboard-shortcuts>

Windows common function keys			
Ctrl + C	Copy select item	Windows + D	Desktop
Ctrl + X	Cut select item	Windows + M	Minimized all windows
Ctrl + V	Paste select item	Windows + L	Lock computer or change user
Ctrl + Z	Undo	Windows + R	Open [RUN] window
Ctrl + Y	Redo	Windows + F	Search files or folders
Ctrl + N	Open new file	Windows + ↑	Maximized all windows
Ctrl + O	Open current file	Windows + ↓	Minimized windows
Ctrl + S	Save file change	Windows + ←	Maximized window to the left side
Ctrl + P	Print file	Windows + →	Maximized window to the right side
Alt + F4	Quit the software	Windows + Home	Minimized all Windows other than the one used

Ducky Macro working example

Note: Set the Profile from Profile 2~6 before set Macro.

Condition A : Configure the key "Z" to "Q" output

Steps : Hold Fn + Ctrl for 3 sec → Press Z → Press Q → Press Fn + Ctrl

Condition B : Press Fn + A to Insert 「Ducky」 repeatedly until released the key to stop

Steps : Hold Fn + Ctrl for 3 sec → Press Fn + A → Insert Ducky → Press Fn + E
→ Press Fn + Ctrl

Condition C : Configure the key "Q" to output word 「key」 while giving a time interval of 0.2 sec

Steps : Hold Fn + Ctrl 3 sec → Press Q → Insert K → Press Fn + 3 → Insert E
→ Press Fn + 3 → Insert Y → Press Fn + Ctrl

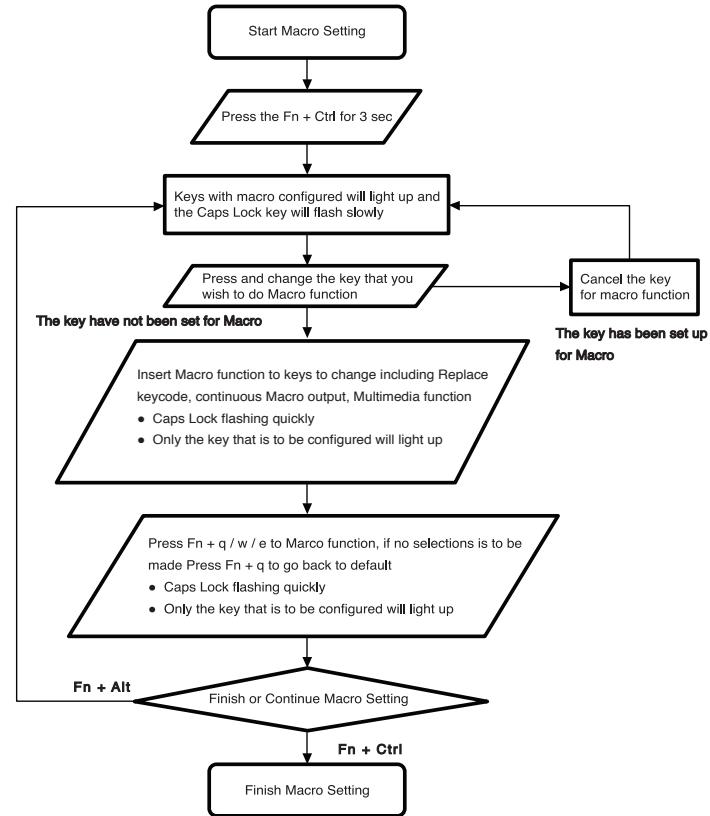
Condition D : Press F5 to mute the volume, under Windows system

Steps : Hold Fn + Ctrl 3 sec → Press F5 → Press Fn + Windows key + A
→ Press Fn + Ctrl

Condition E : Press F1 to show Desktop, under Windows system

Steps : Hold Fn + Ctrl 3 sec → Press F1 → Hold Windows key + D → Press Fn + Ctrl

Ducky Macro Implication Diagram



Note

Note