

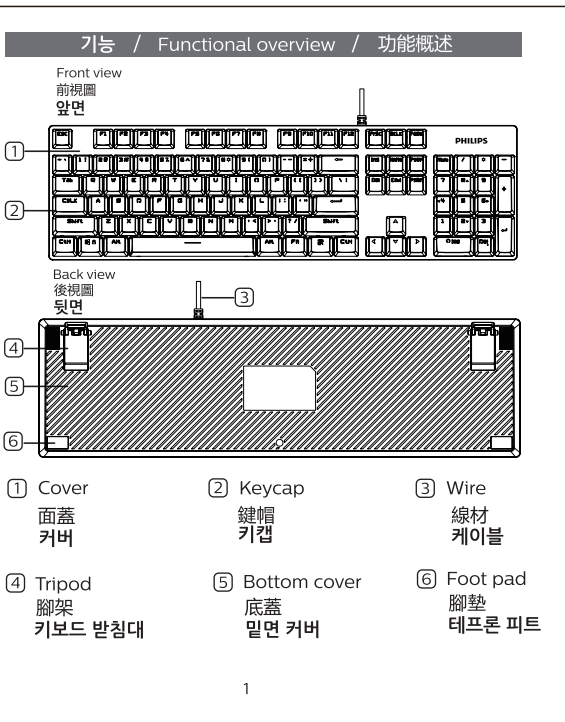
未注公差参照 / UNSPECIFIED TOLERANCE TO FOLLOW GB/T11804-2000 精密F级/Grade F	>	0	6	30	120	400	1000
	≦	6	30	120	400	1000	2000
公差/TOL. ±		0.05	0.10	0.15	0.20	0.30	0.50

版本/Rev	修订描述/REVISION DESCRIPTION	修订/REVISED BY	日期/ DATE
A1	第一次发行	聂丽	2018-11-12



SPK8404
Wired mechanical gaming keyboard
有线机械游戏键盘
유선 기계 게이 키보드

User manual
產品手冊
제품 수첩

產品描述 / Product description / 제품 설명

- Fashion appearance design, alloy metal panel, not easy to rust, scratch resistant.
- Double injection key caps, wear-resistant and hard to fade.
- The keyboard is ultra-thin, the key responds sensitively, and the trigger stroke is 2.0mm.
- Designed with mechanical switches for durability and excellent hand feel.
- Support 6-key and N-key mode selection, password of online banking input is not affected.
- Backlight in key cap and gap, Uniform color. Rainbow or single light can be optional.
- Humanized design, add a series of common shortcut function keys with Fn key to use.
- NUM, CAPSLK, SCKLK, WIN four keys light up/off, to show if it's working.
- Intelligent sleep mode: the keyboard will turn off the backlight when change to the sleep mode.
- 時尚的外觀設計，一體成型金屬面板，不易生銹，耐刮傷。
- 鍵帽採用雙色注塑工藝，經久耐用，不易掉色，多色可選。
- 鍵盤超薄，按鍵反應靈敏，觸發行程2.0mm。
- 採用機械軸開關設計，5000萬次按鍵壽命，經久耐用，手感極佳。
- 支持6鍵與N鍵模式自選，網銀密碼輸入不受影響。
- 具有智能休眠模式：主機進入休眠或待機狀態，背光功能關閉，主機啟動後恢復此前模式。
- 鍵帽和縫隙背光，色彩均勻，可選配單色或混光。

• 鍵盤人性化設計，與Fn配合增加一系列常用快捷功能按鍵。
• NUM, CAPSLK, SCKLK, WIN四個指示燈採用按鍵指示方式，對應按鍵LED燈亮表示開，對應按鍵LED燈滅表示關。

-메달 팬빌, 스크래치 방지 및 녹음 방지.
-이중사출 키캡, 견고한 내구성.
-슬림한 디자인의 키보드, 키 깊기 2.0mm
-우수한 내구성의 기계식 스위치 설계.
-6키, N키 지원 모드 선택 가능, 온라인 뱅킹 암호입력은 영향을 받지 않습니다.
-단일 LED, 레인보우 LED 선택가능.
-Fn키를 이용한 단축키 기능 활성화 가능.
-키보드 상태 표시등에서 NUM, CAPSLK, SCKLK, WIN의 LED를 확인해주세요.
-자동 휴면 모드 : 휴면모드로 전환 시 LED는 자동으로 해제됩니다.

Install / 安裝 / 설치

Plug and play
The Wired mechanical keyboard supports plug and play, and after the USB connection, the computer will automatically detect the keyboard, without driving or CD.

即插即用
有線機械鍵盤支持即插即用，與USB連接之後，電腦會自動偵測到鍵盤，無需驅動或者CD。

-플러그 앤 플레이
기계식 키보드는 플러그 앤 플레이를 지원하며 USB 연결 후 컴퓨터는 드라이브, CD 없이 키보드를 자동으로 감지 합니다.

Specification / 標準版快捷鍵說明 / 사양

Fn+	F1	F2	F3	F4	F5	F6
shoutcut function	My computer	search	calculator	Open player	Prev song	Next song
Fn+	F7	F8	F9	F10	F11	F12
shoutcut function	Play/Pause	Stop	Mute	Volume down	Volume up	Lock/UnLock keyboard
Fn+	WIN-L	↑	↓	←	→	
shoutcut function	Lock WIN	Brightness+	Brightness-	Speed+	Speed+	
Fn+	INS	PrtScr	ScrLck	Home	End	
shoutcut function	Functional mode switching	6 Keys Anti-ghosting	All keys Anti-ghosting	Custom backlight recording key	Custom backlight storage key	


Fn+	F1	F2	F3	F4	F5	F6	F7
快捷功能	我的電腦	搜索	計算器	播放器	上一曲	下一曲	播放/暫停
Fn+	F8	F9	F10	F11	F12	WIN-L	↑
快捷功能	停止	靜音	音量大減	音量增加	鎖定/解鎖全鍵燈	鎖WIN	亮度+
Fn+	↓	←	→	INS	HOME	PGUP	DEL
快捷功能	亮度-	速度-	速度+	常亮	點彩奪目	花瓣富貴	隱波瀾漪
				指點江山	一觸即發	駿馬飛效	流水瀾漪
				呼吸	踏雷崩裂	駿馬飛馬	流光溢彩
				觸按即滅	按鍵瀾漪	蛇形瀾馬	流光

Fn+	PGDN	End	ESC	PRT	SCR	
快捷功能	繁體點點	自定義背光	恢復默認	6鍵無衝突	全鍵無衝突	
	川流不息	斜拉變幻	錄製/儲存燈	常亮		
	正統光波					

Fn+	F1	F2	F3	F4	F5	F6
바로 가기 기능	내 컴퓨터	검색	계산기	플레이어 열기	이전 노래	다음 노래
Fn+	F7	F8	F9	F10	F11	F12
바로 가기 기능	재생/일시정지	정지	음소거	볼륨 감소	볼륨 증가	키보드 잠금 / 잠금 해제
Fn+	WIN-L	↑	↓	←	→	
바로 가기 기능	윈도우 잠금	밝기+	밝기-	속도-	속도+	
Fn+	INS	PrtScr	ScrLck	Home	End	
바로 가기 기능	기능 모드 스위칭	6키 안티고스팅	무한 안티고스팅	커스텀 백라이트 저장	커스텀 백라이트 저장	

Record and storage custom mode key 自定義模式按鍵錄製存儲
커스텀 모드 기록 및 저장

- FN+Home = record key
- FN+End = storage key
- Press FN+9 or FN+0 to enter the corresponding custom mode, then press FN+Home to enter the custom stippling recording state.
- Press any key that needs to be turned on or off to the specified state. After setting, press FN+End for storage.
- FN+End = 錄製鍵/存儲鍵
- 按FN+9或FN+0進入相應自定義模式後，按FN+End進入自定義點影錄製狀態。按任意需要亮起或熄滅的鍵至指定狀態，完成設定後，按FN+End進行存儲即可。
- 按FN+ESC清除燈光錄製，恢復常亮模式。



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Made in China.
Through the following website, register your product in order to get support.
www.philips.com/welcome
Calculator Number: 0217 1430-0300
Manufacturer: Dongguan Soai Electronics Co., Ltd.
Address: No. 118888 Street, Changfeng Village, Huanggang Town, Dongguan City, Guangdong, China.

FN+Home = 기록
- FN+End = 저장
- FN+9 또는 FN+0 을 눌러 사용자 정의 모드로 들어간 다음, FN+Home 을 눌러 사용자 정의 기록 상태로 들어갑니다.
- 특정 상태로 커거나 끌 필요가 있는 키를 입력한 후, FN+End키를 눌러 저장하십시오.

The light pattern / 燈光模式 / LED 조명 설정

Flowing light, ripple light, always-on light, single light, synchronous breathing light, ASDW ↑ ↓ ↔ → ESC keys always-on, never-ending light, sideways transform light, Snakelike marquee.

Pre-recorded gaming light effects of the light pattern.
Space 1-0 Ctrl-L Shift-L Alt-L
• FN+1=game mode 1 (FPS) - ASDW ↑ ↔ → ESC
• FN+2=game mode 2 (CF) - ASDW Ctrl-L Shift-L Alt-L Space RGQEB 1-5 Tab F1-F3 Home End PgUp PgDn PrtSc SCRLK
• FN+3=game mode 3 (COD) - QWERTASDFGCV 1-7 Ctrl-L Shift-L
• FN+4=game mode 4 (RTS) - QWERTASDGXZFKLHMNUYTP Space 1-0 Ctrl-L Shift-L Alt-L
• FN+5=game mode 5 (LOL) - QWER DGFVB Ctrl-L Alt-L Tab Space ~ 1-6 Esc
• FN+6=game mode 6 (Car Race) - ASDWR ↑ ↓ ↔ → Ctrl-L Shift-L Alt-L
• FN+7=game mode 7 (NBA) - AFSWRE Space ↑ ↓ ↔ → ZXCVC 1234 Shift-L Ctrl-L Alt-L

• FN+8=game mode 8 (LOL) - QWERDFB 1-6
• FN+9=custom mode 1 - self design
• FN+0=custom mode 2 - self design

每種燈效鍵按4下分別對應4種燈效。
燈光模式預錄製遊戲燈效：
• FN+1=遊戲模式1 (FPS) - ASDW ↑ ↔ → ESC 亮
• FN+2=遊戲模式2 (CF) - ASDW Ctrl-L Shift-L Alt-L Space RGQEB 1-5 Tab F1-F3 Home End PgUp PgDn PrtSc SCRLK 亮
• FN+3=遊戲模式3 (COD) - QWERTASDFGCV 1-7 Ctrl-L Shift-L 亮
• FN+4=遊戲模式4 (RTS) - QWERTASDGXZFKLHMNUYTP Space 1-0 Ctrl-L Shift-L Alt-L 亮
• FN+5=遊戲模式5 (LOL 全) - QWER DGFVB Ctrl-L Alt-L Tab Space ~ 1-6 Esc 亮
• FN+6=遊戲模式6 (Car Race) - ASDWR ↑ ↓ ↔ → Ctrl-L Shift-L Alt-L 亮
• FN+7=遊戲模式7 (NBA) - AFSWRE Space ↑ ↓ ↔ → ZXCVC 1234 Shift-L Ctrl-L Alt-L 亮
• FN+8=遊戲模式8 (LOL 簡) - QWERDFB 1-6
• FN+9=自定義模式1 - self design
• FN+0=自定義模式2 - self design

사- 흐르는 빛, 잔물결, 스탠다드 모드, 단일 LED, 숨쉬기 모드, ASDW ↑ ↓ ↔ → ESC키 할 커짐, 무한 LED, 사이드 변환 LED

사전 설정된 LED패턴의 게임 효과
- FN+1=game mode 1 (FPS)- ASDW ↑ ↓ ↔ → ESC
- FN+2=game mode 2 (CF)- ASDW Ctrl-L Shift-L Alt-L Space RGQEB 1-5 Tab F1-F3 Home End PgUp PgDn PrtSc SCRLK
- FN+3=game mode 3 (COD)- QWERTASDFGCV 1-7 Ctrl-L Shift-L
- FN+4=game mode 4 (RTS)- QWERTASDGXZFKLHMNUYTP space 1-0 Ctrl-L Shift-L Alt-L
- FN+5=game mode 5 (LOL)- QWER DGFVB Ctrl-L Alt-L Tab Space ~ 1-6 Esc
- FN+6=game mode 6 (Car Race)- ASDWR ↑ ↓ ↔ → Ctrl-L Shift-L Alt-L
- FN+7=game mode 7 (NBA)- AFSWRE Space ↑ ↓ ↔ → ZXCVC 1234 Shift-L Ctrl-L Alt-L
- FN+8=game mode 8 (LOL)- QWERDFB 1-6
- FN+9=custom mode 1 - 셀프 디자인
- FN+0=custom mode 2 - 셀프 디자인

Specification / 規格 / 사양

- Transmission: wired USB
- Number of button: 104 US/ 105 UK
- Button stroke: 4.0mm
- Key force: 60±10g
- Key life: 60 million times
- Rated voltage/current: DC 5V/ <280mA
- System requirements: Windows®7 / 8.1 & 10
- Product size: 445(L)×172(W)×40(H)±0.5mm
- Product weight: 966g±5g

- 傳輸方式: 有線USB
- 按鍵數: 104 US/ 105 UK
- 按鍵行程: 4.0mm
- 按鍵力度: 60±10g
- 按鍵壽命次數: 6,000萬次
- 額定電壓/電流: DC 5V / <280mA
- 系統需求: Windows®7/8.1 & 10
- 產品尺寸: 445(L)×172(W)×40(H)±0.5mm
- 產品重量: 966g±5g

- 전송 모드 : 유선 USB
- 버튼 수 : 104 US / 105 UK
- 버튼 깊이 : 4.0mm
- 버튼 압력 : 60±10g
- 버튼 수명 : 6천만회
- 정격 전압/전류 : DC 5V/<280mA
- 시스템 요구사항 : Windows®7 / 8.1&10
- 제품 사이즈 : 445(L)×172(W)×40(H)±0.5mm
- 제품 무게 : 966g±5g

Package contents / 包裝內容 / 패키지 구성품

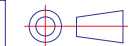
- Wired mechanical keyboard
- Instruction book
- Warranty card

- 有線機械鍵盤
- 說明書
- 保修卡

- 유선 기계식 키보드
- 설명서
- 제품 보증서

- 技术要求:
- 成品尺寸: 80*95mm
 - 材质: 100g书写纸
 - 工艺: 4C印刷,折风琴页
 - 公差: +/-0.5mm

控制复印

核准 APPVE BY		图纸名称 DWG NAME	说明书	客户 CLIENT	飞利浦
审核 CHECKED BY		机 型 MODEL NO.	SPK8404	绘图视角 PROJECTION	版 本 VER.
设计 DRAWN BY	刘娟	零件料号 PART NO.			A1
		材 质 MATERIAL		单 位 METRIC	MM
		表面处理 FINISHING		比 例 SCALE	1:1
				图 面 FREE	

SOAI ELECTRONIC

PEACH RoHS Ca65 CFR1303 PFO PAHs FORMALDEHYDE / 甲醛 <***PPM HALOGEN FREE / 无卤

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