



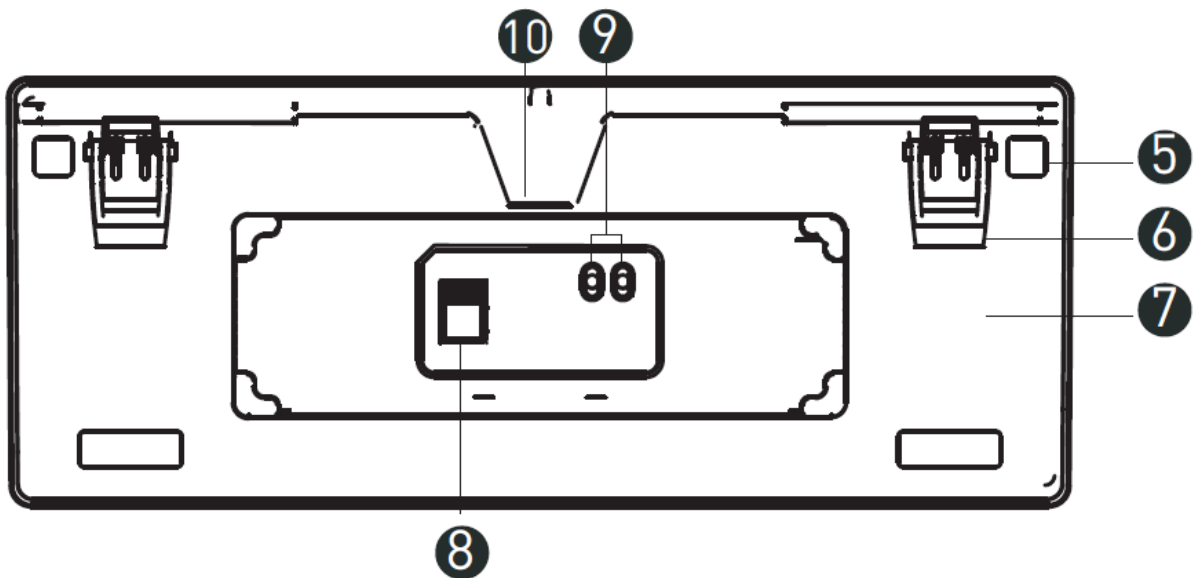
FORGE GK600 TKL WIRELESS

KEYBOARD

QUICK START GUIDE



Model: MS-8ZA9



Product Overview

- | | |
|-------------------------|------------------------|
| 1. Indicator light | 6. Stand |
| 2. Display screen | 7. Bottom cover |
| 3. Keycap | 8. 2.4G receiver |
| 4. Keyboard upper cover | 9. Power switch |
| 5. Footpad | 10. Charging interface |

Keyboard Bottom Operation Instructions

Select the corresponding switch position based on the system and mode being used.

2.4G Mode Usage

Insert the 2.4G receiver, set the switch to 2.4G mode, and press any key within 30 seconds to activate; the Q key light will flash slowly, returning to backlight mode for normal use, with auto-sleep after 5 minutes of inactivity or if the receiver is not connected.

2.4G Connection Troubleshooting

1. If the Q key keeps flashing slowly in 2.4G mode, check if the receiver is properly inserted into the USB port. If not working, verify "MSI FORGE GK600 TKL WIRELESS" in Bluetooth settings.
2. If the receiver is correctly inserted and the device is detected, but the Q key still flashes, unplug the receiver, hold FN + Q for 3 seconds to enter pairing mode, and reinsert the receiver when the Q key flashes quickly to pair.

Bluetooth Pairing

1. In Bluetooth mode, hold FN + W/E/R for 3 seconds to enter pairing mode, indicated by a quick-flashing white light. Once paired, the light returns to backlight mode; if pairing fails in 30 seconds, the keyboard enters sleep mode. Bluetooth devices are labeled as GK600 TKL W BT1/BT2/BT3.
2. If idle for 5 minutes, the backlight turns off according to the software settings.
3. If the PC is shut down, enters sleep mode, or fails to reconnect, the key corresponding to the last paired Bluetooth memory will flash slowly for 30 seconds before the backlight turns off and the keyboard enters sleep mode.
4. Note: The keyboard's Bluetooth does not support wake-up functionality. To connect to the host via Bluetooth, go to Settings → Bluetooth → Bluetooth & Other Settings → Add Bluetooth & Other Devices → Bluetooth (mice, keyboards, pens, and other Bluetooth devices) → Select the Bluetooth device type to connect.

Display Screen Function Usage Instructions

1. After startup, the MSI boot animation plays for about 2 seconds before switching to the main interface.
2. FN + Left/Right Arrow Keys: Switch menu
3. FN + Enter: Confirm

FN Combination Functions

Windows	
Shortcut Key	Function
FN + F1	Decrease screen brightness
FN + F2	Increase screen brightness
FN + F3	Task view
FN + F4	This PC
FN + F5	Search
FN + F6	Screenshot
FN + F7	Previous track
FN + F8	Play/Pause
FN + F9	Next track
FN + F10	Mute
FN + F11	Decrease volume
FN + F12	Increase volume

MAC	
Shortcut Key	Function
FN + F1	Decrease screen brightness
FN + F2	Increase screen brightness
FN + F3	Switch windows
FN + F4	Return to desktop
FN + F5	Short press: Search, long press: Siri
FN + F6	Screenshot
FN + F7	Previous track
FN + F8	Play/Pause
FN + F9	Next track
FN + F10	Mute
FN + F11	Decrease volume
FN + F12	Increase volume

Windows / MAC	
Shortcut Key	Function
FN + ESC	Restore factory settings
FN + WIN	Win Lock
FN + ←	Switch forward on the small screen interface/function
FN + →	Switch backward on the small screen interface/function
FN + Enter	Confirm the selected function on the small screen
FN + W	Switch to Bluetooth device GK600 TKL W BT1 in BT mode
FN + E	Switch to Bluetooth device GK600 TKL W BT2 in BT mode
FN + R	Switch to Bluetooth device GK600 TKL W BT3 in BT mode

外觀檢視

1. 指示燈
2. 顯示螢幕
3. 鍵帽
4. 鍵盤上蓋
5. 腳墊
6. 腳架
7. 底蓋
8. 2.4G接收器
9. 開關鍵
10. 充電介面

鍵盤底部操作說明

根據使用的系統和模式選擇相應的開關位置。

2.4G 模式使用

插入 2.4G 接收器，將開關撥至 2.4G 模式，並在 30 秒內按任意鍵以啟動；Q 鍵指示燈會慢速閃爍，然後恢復到背光模式正常使用。若 5 分鐘內無操作或未連接接收器，鍵盤將自動進入睡眠模式。

2.4G 連接故障排除

1. 如果 Q 鍵在 2.4G 模式下持續慢速閃爍，請檢查接收器是否正確插入 USB 端口。如仍無法正常工作，請在藍牙設置中確認是否找到 "MSI FORGE GK600 TKL WIRELESS"。
2. 如果接收器正確插入且設備已被檢測到，但 Q 鍵仍持續閃爍，請拔下接收器，按住 FN + Q 3 秒進入配對模式，當 Q 鍵快速閃爍時，重新插入接收器進行配對。

藍牙配對

1. 在藍牙模式下，按住 FN + W/E/R 3 秒進入配對模式，白燈快速閃爍表示進入配對狀態。配對成功後，燈光恢復至背光模式；若 30 秒內配對失敗，鍵盤將進入睡眠模式。藍牙設備名稱為 GK600 TKL W BT1/BT2/BT3。
2. 若閒置 5 分鐘，背光將依照軟體設定自動關閉。
3. 若電腦關機、進入睡眠模式或連接失敗，與最後配對的藍牙記憶對應的鍵會慢速閃爍 30 秒，然後背光關閉，鍵盤進入睡眠模式。
4. 注意：鍵盤藍牙不支援喚醒功能。要通過藍牙連接主機，請依次進入 設定 → 藍牙 → 藍牙與其他設置 → 添加藍牙與其他設備 → 藍牙（滑鼠、鍵盤、手寫筆及其他類型藍牙設備）→ 選擇藍牙設備類型進行連接。

顯示螢幕功能使用說明

1. 開機後，MSI 開機動畫播放約 2 秒後，畫面切換到主介面。
2. FN + 左/右方向鍵：切換選單
3. FN + Enter：確認

FN 組合功能

WIN 系統功能	
快速鍵	功能定義
FN+F1	螢幕亮度減
FN+F2	螢幕亮度加
FN+F3	任務視圖
FN+F4	本機
FN+F5	搜尋
FN+F6	截圖
FN+F7	上一首
FN+F8	播放/暫停
FN+F9	下一首
FN+F10	靜音
FN+F11	音量減
FN+F12	音量加

MAC 系統功能	
快速鍵	功能定義
FN+F1	螢幕亮度減
FN+F2	螢幕亮度加
FN+F3	轉換視窗
FN+F4	返回桌面
FN+F5	短按搜尋 長按SIRI
FN+F6	截圖
FN+F7	上一首
FN+F8	播放/暫停
FN+F9	下一首
FN+F10	靜音
FN+F11	音量減
FN+F12	音量加

WIN/MAC 系統功能	
快速鍵	功能定義
FN+ESC	回復出廠設置
FN+WIN	WIN Lock
FN+←	向前切換小螢幕介面/功能
FN+→	向後切換小螢幕介面/功能
FN+ENTER	確定小螢幕上所選定功能
FN+W	當BT模式下，切換藍牙裝置GK600 TKL W BT1
FN+E	當BT模式下，切換藍牙裝置GK600 TKL W BT2
FN+R	當BT模式下，切換藍牙裝置GK600 TKL W BT3

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment. Where shielded interface cables have been provided with the product or specified additional components or accessories elsewhere defined to be used with the installation of the product, they must be used in order to ensure compliance with FCC regulations.

Services web address: www.msi.com

RF Exposure Statements

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

FORGE GK600
TKL WIRELESS

 I4L-MS-8ZA9
I4L-WD02

CE RED Compliance Statement



EU Simplified Declaration of Conformity

Hereby, msi Inc. declares that the radio equipment type MS-8ZA9 is in compliance with Directive 2014/53/EU. The full text of the EU Declaration of conformity is available at the following internet address: <https://www.msi.com>

UKCA Compliance Statement



UKCA Simplified Declaration of Conformity

Hereby, msi Inc. declares that the radio equipment type MS-8ZA9 is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017. The full text of the UK Declaration of Conformity may be found at the following internet address: <https://www.msi.com>

ISED Compliance Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Exposure

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

L'équipement a été évalué comme satisfaisant aux exigences générales en matière d'exposition aux radiofréquences. L'appareil peut être utilisé sans restriction dans des conditions d'exposition portatives.

FORGE GK600 TKL IC: 3715A-8ZA9
WIRELESS IC: 3715A-WD02

CAN ICES(B)/NBM(B)

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme ICES-003 du Canada.

Caution

1. Replacement of battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types);
2. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
3. Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;
4. A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
5. High or low extreme temperatures that a BATTERY can be subjected to during use, storage or transportation; and
6. Low air pressure at high altitude.

Mise en garde

1. Remplacement de la batterie par un type incorrect pouvant contourner une protection (par exemple, dans le cas de certains types de batteries au lithium) ;
2. Élimination d'une batterie par incinération ou dans un four chaud, ou écrasement ou découpe mécanique d'une batterie, pouvant entraîner une explosion ;
3. Laisser une batterie dans un environnement à température extrêmement élevée, pouvant entraîner une explosion ou la fuite de liquide ou de gaz inflammable ;
4. Exposer une batterie à une pression atmosphérique extrêmement basse, pouvant entraîner une explosion ou la fuite de liquide ou de gaz inflammable.
5. Les températures extrêmes élevées ou basses auxquelles une BATTERIE peut être soumise pendant son utilisation, son stockage ou son transport ;
6. low air pressure at high altitude.

安全说明：

- 请在温度为0°C (32°F)至40°C(104°F)之间的环境中使用本产品。
- 请依照产品上的电源功率贴纸说明使用正确的电源变压器，如果使用错误规格的电源变压器有可能会造成内部零件的损坏。
- 请勿将产品放置于不平坦或不稳定的表面,若产品的机壳段损，请联络维修服务人员。
- 请勿在产品上放置其他物品,请勿将任何物品塞入产品内，以避免引起组件短路或电路损毁。
- 请保持机器在干燥的环境下使用、雨水、湿气、液体等含有矿物质将会腐蚀电子线路，请勿在雷电天气下使用数据机。
- 请勿堵塞产品的通风孔，以避免因散热不良而导致系统过热。
- 请勿使用破损的电源线,附件或其他周边产品。
- 如果电源已毁损，请不要尝试自行修复，请将其交给专业技术服务人员或经销商来处理。
- 为了防止电击风险，在搬动主机之前，请先将电源线插头暂时从电源插座上拔除。

电子电气产品有害物质限制使用标识要求：图中之数字为产品之环保使用期限。仅指电子电气产品中含有的有害物质不致发生外泄或突变从而对环境造成污染或对人身、财产造成严重损害的期限。

声明:

本产品符合"微功率短距离无线电发射设备目录和技术要求"的通用微功率设备F类设备要求，使用频率：2400-2483.5MHz;发射功率限值：10mW(e.i.r.p)，频率容限：75kHz。

(一) 符合"微功率短距离无线电发射设备目录和技术要求"的具体条款和使用场景，天线类型为PCB板载天线，设备开机后通过拨动开关选择，进入微功率模式；若要退出微功率模式，则相应通过拨动开关操作，进入其它模式。

(二) 不得擅自改变使用场景或使用条件、扩大发射频率范围、加大发射功率（包括额外加装射频功率放大器），不得擅自更改发射天线;

(三) 不得对其他合法的无线电台（站）产生有害干扰，也不得提出免受有害干扰保护;

(四) 应当承受辐射射频能量的工业、科学及医疗（ISM）应用设备的干扰或其他合法的无线电台（站）干扰;

(五) 如对其他合法的无线电台（站）产生有害干扰时，应立即停止使用，并采取措施消除干扰后方可继续使用;

(六) 在航空器内和依据法律法规、国家有关规定、标准划设的射电天文台、气象雷达站、卫星地球站（含测控、测距、接收、导航站）等军民用无线电台（站）、机场等的电磁环境保护区域内使用微功率设备，应当遵守电磁环境保护及相关行业主管部门的规定;

(七) 禁止在以机场跑道中心点为圆心、半径5000米的区域内使用各类模型遥控器;

(八) 微功率设备使用时温度（摄氏度：0°C~+40°C）和电压（DC 5V）的环境条件。

NCC警語

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

FORGE GK600 TKL WIRELESS  CCAH24LPE250T9
CCA24LPE260T2

BSMI Statement

- 1.使用不正確類型的電池進行更換，這可能會破壞安全防護（例如，某些鋰電池類型的情況）；
- 2.將電池丟入火中或熱爐中，或對電池進行機械性壓碎或切割，這可能會導致爆炸；
- 3.將電池置於極高溫度的環境中，這可能會導致爆炸或可燃液體或氣體洩漏；
- 4.將電池暴露於極低氣壓環境中，這可能會導致爆炸或可燃液體或氣體洩漏。

JAPAN VCCI CLASS B STATEMENT

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用する事を目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正し取り扱いをして下さい。

VCCI-B本製品は、EMC準拠の周辺機器およびシステムコンポーネント間にシールドケーブル（イーサネットネットワークケーブル）が使用されている状況で、EMCへの準拠が実証されています。ラジオ、テレビ、およびその他の電子機器への干渉が発生する可能性を低減するため、EMC準拠の周辺機器およびシステムコンポーネント間にシールドケーブルを使用することが重要です。

重要：MSIの許諾を得ることなく本製品に変更または改変を加えると、電磁両立性（EMC）および無線に準拠しなくなり、製品を操作するための許諾が取り消されるおそれがあります。

FORGE GK600
TKL WIRELESS



201-240726



201-240728



상호 : (주) 엠에스아이코리아
제품명 : 무선 키보드
모델명 : MS-8ZA9
제조년월 : 2024년
제조사 및 제조국가 : MSI/중국
R-R-MSI-MS-8ZA9

상호 : (주) 엠에스아이코리아
제품명 : Wireless USB Dongle
모델명 : WD02
제조년월 : 2024년
제조사 및 제조국가 : MSI/중국
R-R-MSI-WD02

Specifications

FORGE GK600 TKL WIRELESS

Model: MS-8ZA9 (Keyboard) / WD02 (Wireless USB Dongle)

Keyboard Input / 輸入: DC 5.0V / 700mA

Wireless USB Dongle Input / 輸入: DC 5.0V / 30mA

Frequency Range: 2.400 – 2.4835GHz

Keyboard Output < 0 dBm

Wireless USB Dongle Output < 0 dBm

	Temperature	Humidity
Operating	0 ~ 40°C	10 ~ 95%
Storage	-30 ~ 70°C	10 ~ 95%

REACH

Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at msi REACH website at <https://csr.msi.com/global/Product-Chemical-Management>

Safety & Warning Instructions

Read the safety instructions carefully and thoroughly. All cautions and warnings on the equipment or user's manual should be noted.

- Do not leave the product in an unconditioned environment with a storage temperature above 60°C (140°F) or below 0°C (32°F), which may damage the product.
- Use this product in environments with ambient temperature is between 0°C(32°F) and 40°C(104°F).
- Refer to the rating label on the bottom of your product and ensure your power source complies with this rating.
- DO NOT place on uneven or unstable work surfaces. Seek servicing if the casing has been damaged.
- DO NOT place or drop objects on top and do not shove any foreign objects into the product.
- DO NOT expose to or use near liquids, rain, or moisture.
- DO NOT cover the vents on the product to prevent the system from getting overheated.

Battery Statement

- Replacement of battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types);
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

限用物質含有情況標示聲明書

Declaration of the Presence Condition of the Restricted Substances Marking

設備名稱：無線鍵盤 Equipment name		型號（型式）：MS-8ZA9 Type designation (Type)				
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛Lead (Pb)	汞Mercury (Hg)	鎘Cadmium (Cd)	六價鉻Hexavalent chromium (Cr ⁺⁶)	多溴聯苯Polybrominated biphenyls (PBB)	多溴二苯醚Polybrominated diphenyl ethers (PBDE)
印刷電路板及電子組件	○	○	○	○	○	○
外殼	○	○	○	○	○	○
接收器及配件	○	○	○	○	○	○
線材	○	○	○	○	○	○

備考1. “超出0.1 wt %” 及 “超出0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值。

Note 1 : “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考2. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。

Note 2 : “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考3. “—” 係指該項限用物質為排除項目。

Note 3 : The “—” indicates that the restricted substance corresponds to the exemption.

產品中有毒有害物質或元素的名称及含量

部件名称	有害物質					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr (VI))	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板组件*	○	○	○	○	○	○
外壳及附件	○	○	○	○	○	○

○：表示该有毒有害物質在该部件所有均质材料中的含量均在 SJ/T11363 2006 标准规定的限量要求以下。

×：表示该有毒有害物質至少在该部件的某一均质材料中的含量超出 SJ/T11363 2006 标准规定的限量要求。

* 印刷电路板组件：包括印刷电路板及其零部件、电子元器件等。

表中标有 “X” 的所有部件都符合欧盟 ROHS 法规。

 在中华人民共和国境内销售的电子信息产品必须标示此标志，标志内的数字表示在正常的使用状态下的产品环保使用年限。



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Cet appareil,
ses accessoires,
cordons et batteries
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