



CHERRY XTRFY MX 8.2 PRO TMR TKL Wireless Gaming Keyboard

64420051-02, EN, ZHs, ZHt, KO, © Jul 2025 [GBE-3885xxxxx-x + Mod. GBE-3885, GBE-3885R]

EN OPERATING MANUAL

- CHERRY Key (●)
- Adjust the Sound Volume
- Adjust the Backlighting Brightness
- Adjust the Backlighting Transition Speed
- Enable / Disable the Gaming Mode
- (Windows) Launch the Default Web Browser
- (macOS) Spotlight Search
- (Windows) Open the File Explorer (This PC)
- (macOS) Finder
- Change Backlighting Effects
- Restore Factory Default Settings
- Access the Fn Layer Functions
- Select Colors for the Current Backlighting Mode
- 2.4 GHz Wireless Connection Status Indicator
- Bluetooth Connection Status Indicator, Select Channels, Start Pairing

Before You Begin

- Every Device is Different!**
The operating manual contains information on effective and reliable use.
- Read the operating manual carefully.
 - Keep the operating manual and pass it on to other users when needed.
 - This manual may not contain the most recent updates to our products as we continuously strive to improve your experience. For the latest operating instructions and product features, please visit CHERRY's official website.

CHERRY XTRFY MX 8.2 PRO TMR TKL Wireless is a versatile tri-mode keyboard, supporting 2.4 GHz wireless, Bluetooth 5.3, and USB cable connectivity, designed specifically to enhance your gaming experience.

For information on other products, software downloads and much more, visit us at www.cherry-world.com or www.cherry.de.

1 Safety Precautions

- For safety, keep the device away from children under the age of three to prevent choking on small parts. The keyboard contains a permanent rechargeable battery. To avoid fire risks, do not disassemble, crush, heat, or incinerate the device.
- Repetitive Strain Injury (RSI) is caused by small, repetitive movements during prolonged use of computers, keyboards, and mice.
- To prevent RSI, it is recommended to:
- Ergonomically set up your workspace. Arrange your keyboard and mouse to keep your upper arms and wrists naturally positioned.
 - Use the adjustable feet on the bottom of the keyboard to find a comfortable angle for typing.
 - Incorporate short breaks into your routine, with stretching exercises as appropriate.
 - Adjust your position regularly to prevent strain.

2 Switching Keyboard On / Off

2.1 Turn On Keyboard

- Connect the keyboard to your computer using the provided USB cable.
- Or
- Slide the connection mode switch on the back of the keyboard to the Bluetooth or 2.4 GHz Wireless position.

2.2 Turn Off Keyboard

- Disconnect the USB cable.
- And
- Slide the connection mode switch to the center position.

2.3 Sleep Mode

When operating on battery, the keyboard will transition to sleep mode after a predetermined period of inactivity, during which the backlighting and status indicators will deactivate.

The keyboard awakens from sleep mode upon any key press, resuming backlighting and displaying the current status through indicators.

- Connect the keyboard to your computer with the provided USB cable. The power indicator on the receiver lights up white.

The Connection Status Indicator on the receiver slow flashes white when the receiver is waiting for connection with the keyboard. It remains lit in white after successful connection. When the keyboard is in power saving modes or moved out of range, the status indicator slow flashes white.

3.4 Dealing with Connection Failures

The keyboard tries to connect your device for 30 seconds in 2.4 GHz wireless and Bluetooth modes. If the connection attempt fails, the keyboard will enter sleep (battery powered) or standby (USB powered) mode. Please try again or refer to 15 Troubleshooting Problems.

3.5 Pairing Wireless Receiver

Your keyboard and wireless receiver come pre-paired for immediate use. If you would like to pair a replacement receiver or troubleshoot the wireless connection issues, follow these steps:

- Slide the connection mode switch to the 2.4 GHz Wireless position.
- Press and hold [Fn + 4] until the wireless indicator key [4] starts fast flashing.
- Connect the wireless receiver to your computer with the provided USB cable.

4 Choosing Windows or macOS Mode

Press [Fn + Enter] to switch between Windows and macOS modes. The [Enter] key remains lit in blue or green for 3 seconds to confirm the activation of Windows or macOS mode, respectively. Press and hold the Fn key to check the active operating system mode. Refer to the table below for the key functions specific to each mode.

Key	Windows	macOS
[Esc]	[Win]	[Option]
[Alt]	[Alt]	[Command]
[Ctrl]	[Ctrl]	[Command]

F1-F12	F1-F12	Fn Layer Functions

See the next section for additional key mappings.

5 Using Fn Layer Functions

MX 8.2 TMR keyboard is equipped with a variety of built-in functions, some of which are denoted by symbols on the underside of the keys.

- To perform a desired function on Windows, press and hold the Fn key and press the corresponding key.
- To perform a desired function on macOS, just press the F1-F12 key.

Example: press [Fn + F1] [X] on Windows or [F1] [X] on macOS to mute or unmute the sound. Refer to the table below for details.

Key	Function
[F1] [X]	Mute / Unmute
[F2] [Q]	Sound Volume Decrease
[F3] [Q]	Sound Volume Increase
[F4] [X]	Backlighting On / Off
[F5] [X]	Backlighting Brighter
[F6] [X]	Backlighting Darker
[F7] [Q]	Backlighting Effect Slower
[F8] [Q]	Backlighting Effect Faster
[F9] [Win/LK]	Enable / Disable the Gaming Mode
[F10] [G]	Default Web Browser (Windows) Spotlight Search (macOS)
[F11] [Q]	File Explorer (Windows) Finder (macOS)
[F12] [X]	Change Backlighting Effects

- On Windows and macOS, always use Fn + the corresponding key to access the following functions.
- Key Combination Function**
- Fn + [Esc] (●) Run CHERRY Software (Windows Only). See Section 10.
 - Fn + [Spacebar] Select Colors for the Current Backlighting Mode
 - Fn + [Pause] Press for 5 seconds to restore the keyboard to factory default settings
 - Fn + [Enter] Switch Windows / macOS Mode
 - Fn + [1, 2, 3] Select Bluetooth Channels, Hold to Start Pairing
 - Fn + [4] Press and Hold to Re-pair 2.4 GHz Wireless Receiver

On Windows and macOS, always use Fn + the corresponding key to access the following functions.

3.2.4 Pairing with Device

The keyboard enters the pairing mode either automatically or when you press Fn + Bluetooth channel key for 3 seconds [refer to the details in the three sections above].

- MX 8.2 TMR keyboard supports Swift Pair. If your Swift Pair is activated on your device, you will receive a notification that a new Bluetooth device "MX 8.2 TMR-BTix" has been detected. Simply click **Connect** in the pop-up notification to proceed.
- Alternatively, you can pair the keyboard through the Bluetooth Settings by selecting "MX 8.2 TMR-BTix" from the list of available Bluetooth devices.

3.2.5 Switching Bluetooth Devices

To switch between devices connected to your keyboard via the three Bluetooth channels, follow these steps:

- Make sure that the connection mode is set to Bluetooth.
- Press the Fn key and the corresponding channel key [1, 2, or 3].

3.3 Connecting Keyboard via Wireless Receiver

MX 8.2 TMR Wireless Receiver supports 8K Polling Rate data transfer. It has two LED indicators, which respectively display the power status and connection status. Follow the steps below to connect your keyboard using the 2.4 GHz wireless receiver.

- Slide the connection mode switch to the 2.4 GHz Wireless position.

7 Changing Key Switches

MX 8.2 TMR keyboard features hot-swappable key switches. You can use TMR magnetic switches or traditional mechanical switches interchangeably for the Main Key Section of the keyboard. Use TMR magnetic switches only for the Editing Key Section.



Follow the steps below to customize key switches on your keyboard.

- Use the keycap puller to gently lift off the keycaps.
- With the switch puller, carefully remove the switches you wish to replace.
- Align the new switches and press them firmly into the sockets.
- Position the keycaps over the new switches and press down to secure them.

8 Customizing TMR Switches

You can use CHERRY Software to fine-tune the behavior of the magnetic switches for optimal performance across different games. Key travel distance can be adjusted in precise 0.01 mm increments, ranging from 0.1 mm to 3.3 mm. Refer to 10 Using CHERRY Software for instructions.

8.1 Customizing Actuation Point and Rapid Trigger

The actuation point defines the travel distance required for a key press to be registered. The Rapid Trigger feature enhances the keyboard's input speed and responsiveness. Unlike traditional mechanical switches, which have fixed reset points, MX 8.2 TMR switches can trigger flexibly as soon as the key starts to move upward after being pressed.

Follow the steps below to change the settings:

- In the **Keyboard Settings** screen, click on the **Switch Settings** tab.
- Select the keys you wish to customize. You can select multiple keys by dragging your mouse pointer or click on the key to **select / deselect** them. You can also click on **Select All** button to select all keys.
- Select **Travel Settings** in the left pane. Drag the slider in the right pane to customize the actuation point for the selected keys. Use the arrow buttons to fine-tune the key travel distance settings.
- Adjust the **key travel distance** separately for both key press and release. Note that the key release travel distance can only be configured when **Rapid Trigger** mode is turned off.
- Click the **Dead Zone** button to adjust its settings. The Dead Zone is a small inactive area near the bottom of a keyswitch where the sensor ignores movement. It prevents accidental key presses and solves issues like input interruption when keys are fully pressed down.
- Enable **Rapid Trigger** mode and further adjust its actuation and release travel settings.
- Choose to enable or disable **RT Stab** (Rapid Trigger Stabilization) feature, which improves keypress stability and reduces unwanted input errors in **Rapid Trigger** mode. Note that enabling this feature will slightly increase latency.

- The changes you have made will take effect immediately.

Example: press [Fn + F1] [X] on Windows or [F1] [X] on macOS to mute or unmute the sound. Refer to the table below for details.

- Click the **Dead Zone** button to adjust its settings. The Dead Zone is a small inactive area near the bottom of a keyswitch where the sensor ignores movement. It prevents accidental key presses and solves issues like input interruption when keys are fully pressed down.

Example: press [Fn + F1] [X] on Windows or [F1] [X] on macOS to mute or unmute the sound. Refer to the table below for details.

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Example: press [Fn + F1] [X] on Windows or [F1] [X] on macOS to mute or unmute the sound. Refer to the table below for details.

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9 Customizing Backlighting Effects

MX 8.2 TMR keyboard allows you to personalize the backlighting effects. Utilize CHERRY Software to fine-tune the backlighting settings for optimal visibility and aesthetics. The keyboard remembers the current backlighting settings.

9.1 Using Built-in Backlighting Effects

Select the desired backlighting effect by pressing [Fn + F12] [X]. Keep using this key combination to switch between various built-in backlighting effects.

9.2 Selecting Backlighting Colors

Press [Fn + Spacebar] to change the color of the current backlighting effect. Repeatedly press this key combination to cycle through the available colors.

10 Using CHERRY Software

To unlock the full capabilities of your MX 8.2 TMR keyboard, you need to install CHERRY Software on your computer. CHERRY Software serves as a control center, allowing you to:

- Update the Software itself and the keyboard's firmware.
- Customize the actuation points and rapid trigger settings for TMR switches.

- Customize the keyboard's backlighting effects to your liking.

- Create, record, and edit macros to streamline operations and gameplay.
- Assign different keys, macros, text, or operating system functions to individual keys.
- Adjust various parameters that dictate the keyboard's behavior for an optimized experience.

CHERRY Software is user-friendly and easy to navigate. Should you require further assistance, our customer support team is ready to help.

10.1 Installing CHERRY Software

Follow these instructions to install CHERRY Software:

- Always use the most recent version of the software. Accept updates when notifications appear.
- Download the free software from CHERRY's official websites: www.cherry-world.com or www.cherry.de.

Alternatively, Press [Fn + Esc] (●) to open the web link which directs you to download CHERRY Software. Select the driver software for MX 8.2 TMR keyboard.

- Launch the installer after the download.
- Proceed with the installation by following the on-screen prompts.

10.2 Running CHERRY Software

When CHERRY Software is installed, you can press [Fn + Esc] (●) to bring up the application.

10.3 Updating Firmware

When a new firmware version is available, CHERRY Software will prompt you to update your keyboard firmware. Keeping your firmware up to date is crucial for optimal keyboard performance.

Please plug in the wireless receiver to make sure its firmware is also updated to the latest version.

- Updating the Keyboard Firmware in the Cable Mode
For a seamless firmware update, always connect your keyboard to your computer using the USB cable. This ensures the update process is uninterrupted by potential battery depletion.

11 Using Gaming Mode

MX 8.2 TMR keyboard comes with a dedicated Gaming Mode. This feature is particularly useful when you want to prevent accidental interruptions during gameplay by disabling the Windows Start function.

Press [Fn + F9] [Win/LK] to enable or disable the Gaming Mode. The [Win/LK] key remains lit in red when the Gaming Mode is enabled.

Please note that Gaming Mode is available only on Windows systems.

12 Charging Keyboard

When the keyboard battery is low, the "USB / Battery" indicator (●) on the back of the keyboard flashes red. You should charge your keyboard soon.

To charge your keyboard, use the provided USB cable to connect the keyboard and the computer or use a compatible power adapter.

13 Resetting Keyboard to Factory Defaults

Press and hold [Fn + Pause] for 5 seconds to reset the keyboard to its factory default settings.

14 Cleaning Keyboard

WARNING: Damage may occur due to using aggressive cleaning agents or letting liquid get into the keyboard!

- Switch the keyboard off and disconnect the USB cable.
- Clean the keyboard with a slightly damp cloth and some mild cleaning agent, such as dishwashing liquid.
- Avoid using aggressive solvents such as gasoline, benzene, alcohol, scouring agents or abrasive scourers.
- Be careful to prevent any liquid from seeping into the keyboard.

- After cleaning, dry the keyboard with a soft, lint-free cloth.

15 Troubleshooting Problems

If you encounter any issues while operating the keyboard, please try the following:

- Power cycle the keyboard by turning it off and then on again.
- Use another USB port on your computer.
- Verify the keyboard's functionality by testing it with another computer.
- Set the option "USB Keyboard Support" and "USB Legacy Mode" to "Enabled" in the BIOS of your computer.
- Charge the keyboard [refer to 12 Charging Keyboard].
- Remove any metallic or electrical objects that may be causing interference, such as cables, loudspeakers, or USB hubs.
- Decrease the distance between the keyboard and the computer to improve signal strength.
- If you experience interference with USB 3.0 devices located near the receiver, try using a different port that is farther away, an alternative cable, or a USB hub for either the receiver or the USB 3.0 device.



15.1 Troubleshooting Bluetooth Connection Failures

To maintain a stable Bluetooth connection for your MX 8.2 TMR keyboard, please try the following:

- If your computer is in sleep mode, activate it manually as it cannot be awakened using Bluetooth devices.
- If the keyboard has already been connected to another device on the selected channel, you cannot establish a parallel connection. Switch off the first device or deactivate the connection.

- Managing Multiple Bluetooth Devices on Your Computer
Your computer has a finite capacity for active Bluetooth connections. Adding multiple devices may lead to profile conflicts or a shortage of available ports. It is important to be aware of your computer limitations to ensure seamless operation of all connected Bluetooth devices.

- Minimize interference by turning off any unnecessary Bluetooth devices.
- Remove the existing keyboard connection in your Bluetooth settings and then re-add it as a new device to ensure a fresh connection.
- If you have assigned different Bluetooth channels, switch to an alternate Bluetooth channel if necessary to avoid connection issues [refer to 3.2.5 Switching Bluetooth Devices].

15.2 Troubleshooting Wireless Connection Failures

- Ensure the receiver is positioned in a USB port nearest to the keyboard to minimize distance and signal interference. Using a USB extension cable can help position the receiver optimally.
- Identify and remove potential sources of interference that may affect signal strength, such as other wireless devices or physical obstructions.
- Ensure that the keyboard and receiver have the latest drivers and firmware installed, which can resolve compatibility and performance issues.
- Re-pair the receiver with the keyboard to re-establish a stable connection. For detailed instructions, refer to 3.5 Pairing Wireless Receiver.

16 Disposing of Devices

- Do not dispose of devices with this symbol in household waste.
- Dispose of devices in accordance with statutory regulations at your local dealer or at municipal recycling centers.

17 Technical Data

Designation	Value
Supply Voltage	Keyboard: 5.0 V/DC ± 5% SELV Receiver: 5.0 V/DC ± 5% SELV
Charging Voltage	Typical 5.0 V/DC
Charging Current	Max. 1200 mA
Current Consumption	Max. 1500 mA
Battery	Rechargeable Lithium-Ion Battery, 8000 mAh, 3.7V
Operating Frequency	2400.0 ... 2483.5 MHz
Effective Radiated Power	Max. 10 mW [EIRP]
Bluetooth	5.3
Storage Temperature	-20 °C ... +45 °C
Operating Temperature	0 °C ... +45 °C

18 Contact

For Europe
Cherry Europe GmbH
Cherrystraße 2
91275 Auerbach/OPf.
Germany
Internet: www.cherry-world.com or www.cherry.de

For USA
Cherry Americas
9522 58 Place
Suite 100
Kenosha, WI 53144
USA
Internet: www.cherry-world.com or www.cherry.de

- 更改背光效果
- 恢复出厂默认设置
- 使用 Fn 层按键功能
- 为当前背光模式选择颜色
- 2.4 GHz 无线连接状态指示灯
- 蓝牙连接状态指示灯、选择通道、开始配对

在开始操作之前

- 设备各不相同!
从操作手册中您可以获取有关可靠操作操作的说明。
- 请仔细阅读操作手册。
- 请妥善保管好操作手册，必要时将其转交给其他用户。
- 本操作手册可能不包含产品的最新更新，因为我们工作在不断努力改善您的体验。要获取最新的操作手册和产品功能，请访问 CHERRY 官方网站。

CHERRY XTRFY MX 8.2 PRO TKL 无线鼠标机械键盘是一款多功能三模键盘，支持 2.4 GHz 无线、蓝牙 5.3 和 USB 线缆连接，专为提升游戏体验而设计。有关其它产品、软件下载和更多信息，请访问 CHERRY 中国官网 www.cherry.cn 或全球网站 www.cherry-world.com。

19 Certifications

19.1 EU Declaration of Conformity

The company Cherry Europe GmbH, Auerbach/OPf., Germany hereby declares that this radio system model conforms to the European guideline 2014/53/EU. The full text of the EU declaration of conformity can be found under the following Internet address: www.cherry.de/compliance

19.2 Federal Communications Commission (FCC) Radio Frequency Interference Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: 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 party responsible for compliance could void the user's authority to operate the equipment.

19.3 US RF Exposure Statement
The device has been evaluated to meet general RF exposure requirements.

The device can be used in the portable exposure condition without restriction.

19.4 Product Certification IDs

Product Name	Wireless Keyboard
Model	G8E-3885
FCC ID	GDDGBE-3885
Product Name	Wireless Receiver
Model	G8E-3885R
FCC ID	GDDGBE-3885R
UKCA	
UK Authorised Representative:	Authorised Representative Service The Old Muckdust Chapel Great Hucklow SK17 8RG UK

3 连接键盘与设备

MX 8.2 TMR 键盘可以通过 USB 线缆、蓝牙或 2.4 GHz 无线接收器连接到电脑或其他兼容设备。

键盘背面的连接模式指示灯和连接通道键将相应亮起。

模式指示灯和通道键的行为随连接状态的不同而变化。

指示灯	USB	蓝牙	2.4 GHz
模式	[●-●-●] 红色 红色	[●] 红色	[●] 红色
通道	—	[1, 2, 或 3] 蓝色 [4] 白色	—

状态	蓝牙	2.4 GHz
待连接	慢闪	慢闪
配对中	快闪	快闪

已连接 [●] 长亮 [1、2、或 3] 长亮 5 秒 [●] 长亮 5 秒

已连接 [●] 长亮 [1、2、或 3] 长亮 5 秒 [●] 长亮 5 秒

已连接 [●] 长亮 [1、2、或 3] 长亮 5 秒 [●] 长亮 5 秒

已连接 [●] 长亮 [1、2、或 3] 长亮 5 秒 [●] 长亮 5 秒

已连接 [●] 长亮 [1、2、或 3] 长亮 5 秒 [●] 长亮 5 秒

已连接 [●] 长亮 [1、2、或 3] 长亮 5 秒 [●] 长亮 5 秒

已连接 [●] 长亮 [1、2、或 3] 长亮 5 秒 [●] 长亮 5 秒

已连接 [●] 长亮 [1、2、或 3] 长亮 5 秒 [●] 长亮 5 秒

已连接 [●] 长亮 [1、2、或 3] 长亮 5 秒 [●] 长亮 5 秒

当所有蓝牙通道均在使用中时，则需要使用上述方法才能将键盘与新设备连接。

3.2.4 与设备配对

键盘会自动进入配对模式，或者您可以按下 Fn + 蓝牙通道键 3 秒钟来手动进入配对模式 [参见上面一小节的描述]。

- MX 8.2 TMR 键盘支持快速配对功能。如果您的设备已激活快速配对，您将收到通知，提示已准备好与新蓝牙设备 "MX 8.2 TMR-BTix" 配对。只需单击通知中的 "连接" 按钮即可开始配对。

或者，您也可以从蓝牙设备列表中选择 "MX 8.2 TMR-BTix"，通过蓝牙设置进行配对。

3.2.5 切换蓝牙设备

要通过三个蓝牙通道切换连接到键盘的设备，请按以下步骤操作：

- 确保连接模式设置为蓝牙。
- 按下 Fn 键和相应通道键 [1、2、或 3]。

3.3 通过无线接收器连接键盘

MX 8.2 TMR 的无线接收器支持 8K 报告率的数据传输。它有 2 个 LED 指示灯，分别显示电源状态和连接状态。按照以下步骤使用 2.4 GHz 无线接收器连接键盘：

- 将连接模式开关滑动到 2.4 GHz 无线位置。
- 按下 Fn 键和相应通道键 [1、2、或 3]。

当接收器等待与键盘连接时，接收器上的连接状态指示灯慢闪红色。连接成功后，指示灯将变亮白色。当键处于省电模式时，指示灯将变亮白色。

重复性劳损 (RSI) 是由长时间使用电脑、键盘和鼠标的频繁重复性小幅度动作造成的。

为了预防重复性劳损，建议您：

19 微功率无线电发射设备警告

- 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，采用的天线类型和性能、控制、调整及开关使用方法；
- 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；
- 不得对其其他合法的无线电[站]产生有害干扰，也不得提出免受有害干扰的要求；

- 应当承受辐射场能量的工业、科学及医疗（ISM）应用设备的干扰或其他合法的无线电电台[站]干扰；
- 如对其合法的无线电电台[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。

- 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]等军民用无线电电台[站]、机场等的电磁环境保护区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；
- 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型遥控器；
- 使用您的设备时应遵循本操作手册中规定的温度和电压的环境条件。

繁體字 使用說明書

- CHERRY 鍵 (●)
- 調整音量
- 調整背光亮度
- 調整背光速度
- 啓用 / 禁用電報模式
- (Windows) 開啓簡繁體字切換器 (macOS) Spotlight 搜尋
- (Windows) 開啓檔案總管 [本機] (macOS) Finder
- 更改背光效果
- 恢復原廠設置值
- 使用 Fn 層按鍵功能
- 爲當前背光模式選擇顏色
- 2.4 GHz 無線連接狀態指示燈
- 藍牙連接狀態指示燈、選擇頻道、開始配對

在開始操作之前

- 每個裝置都不一樣！**
- 從使用說明書中您可以獲取有關可靠高效操作的說明。
- 請仔細閱讀使用說明書。
 - 請保管好使用說明書，必要時將其轉交給其他用戶。
 - 本使用說明書可能不包含最新的产品更新，因爲我們在不斷努力改善您的使用體驗。請訪問 CHERRY 官方網站以了解最新的說明書和產品功能。

CHERRY XTRFY MX 8.2 PRO TKL 無線總動輪軸鍵盤是一款多功能三模鍵盤，支援 2.4 GHz 無線、藍牙 5.3 和 USB 連接線連接，專爲提升遊戲體驗而設計。

關於此產品的訊息、軟體下載和更多服務請造訪 www.cherry-world.com 或 www.cherry-world.tw。

1 安全措施

爲確保安全，建議將裝置放置在三歲以下兒童無法觸及的地方，以防止小零件造成窒息風險。

鍵盤內置固定可充電電池。爲避免火災風險，請勿拆卸、擠壓、加熱或焚燒裝置。

重複性勞損 (RSI) 是由長時間使用電腦、鍵盤和滑鼠時的頻繁重複性小幅度動作造成的。

爲了預防重複性勞損，建議您：

- 依照人體工學原則設定工作環境，確保鍵盤和滑鼠的放置位置能讓您的手臂和手腕保持舒適的自然狀態。
- 使用鍵盤底部的可調節支撐腳，找到舒適的打字角度。
- 將短暫的休息融入您的日常工作，並適當進行拉伸。
- 經常調整姿勢以預防肌肉緊張。

2 開啓 / 關閉鍵盤電源

2.1 開啓鍵盤電源

- 使用隨附的 USB 連接線連接鍵盤與電腦。
- 或者，將鍵盤背面的連接模式開關滑動到藍牙或 2.4 GHz 無線位置。

2.2 關閉鍵盤電源

- 斷開 USB 連接線。
- 將連接模式開關滑動到中間位置。

2.3 睡眠模式

使用電池供電時，鍵盤會在預設的空閒時間後自動進入睡眠狀態，此時背光與狀態指示燈將關閉。

按下任何按鍵，鍵盤將從睡眠模式中喚醒，背光重新點亮，指示燈顯示當前狀態。

3 連接線與裝置

MX 8.2 TMR 鍵盤可透過 USB 連接線、藍牙或 2.4 GHz 無線接收器連接到電腦或其他相容裝置。

鍵盤背面的連接模式指示燈和連接頻道選擇將相應亮起。

指示燈	USB	藍牙	2.4 GHz
模式	⬅➡ ■ ■	⌘ 紅色	⬇ 紅色
頻道	—	(1、2、或 3) 藍色	(4) 白色

模式指示燈和頻道選擇的亮色隨連接狀態的不同而變化。

狀態	藍牙	2.4 GHz
待連接	慢閃	慢閃
已連接	⌘ 恆亮 (1、2、或 3) 恆亮 5 秒	⬇ 恆亮 5 秒

3.1 透過 USB 連接線連接鍵盤

- 使用隨附的 USB 連接線連接鍵盤與電腦。
- 將連接模式開關滑動到中間位置。

3.2 透過藍牙連接線連接

鍵盤的三個藍牙頻道允許同時連接三台裝置。要選擇藍牙頻道或與裝置配對，請按照以下指引操作。

3.2.1 啓用藍牙模式

將連接模式開關滑動到藍牙位置。鍵盤將自動嘗試重新連接先前配對的裝置 (參閱下「小節」。如果先前沒有連接過藍牙裝置，鍵盤將在頻道下上自動進入配對模式 (參閱 3.2.4 與裝置配對)。

3.2.2 重連 (迴連) 裝置

啓動藍牙模式後，您將能在當前的頻道進行搜索，並嘗試與先前配對的裝置重連。請確保裝置已啓用藍牙且處於鄰近範圍內。

3.2.3 連接新裝置

如果您希望透過連接新裝置，可以同時按下 Fn 鍵和對應的藍牙頻道鍵 (1、2、或 3) 3 秒鐘，即可啓動與新裝置的配對過程。更多詳情，請參閱下一節。

當所有藍牙頻道均在使用中時，則需要使用上述方法才能將鍵盤與新裝置配對。

3.2.4 與裝置配對

鍵盤會自動進入配對模式，或者您可以按下 Fn + 藍牙鍵 (連按 5 秒鐘) 來手動進入配對模式 (參閱上面三小節的描述)。

- MX 8.2 TMR 鍵盤支援快速配對功能。如果您的裝置已啓動快速配對，您將收到通知，提示(使)開始新藍牙裝置。MX 8.2 TMR-EXT 只需兩次，只需點擊通知中的「連接」按鈕即可開始配對。
- 或者，您也可以從藍牙裝置清單中選擇「MX 8.2 TMR-EXT」。您可利用 CHERRY 軟體自訂回報率。請注意，高回報率會增加耗電量。

3.2.5 切換藍牙裝置

若要透過三個藍牙頻道切換連接到鍵盤的裝置，請按下列步驟操作：

- 確保連接模式設定爲藍牙。
- 按下 Fn 鍵和相應頻道鍵 (1、2、或 3)。

3.3 透過無線接收器連接鍵盤

MX 8.2 TMR 的無線接收器支援 8K 回報率的資料傳輸。它有兩個 LED 指示燈，分別顯示電源狀態和連線狀態。按照以下步驟使用 2.4 GHz 無線接收器連接鍵盤：

- 將連接模式開關滑動到 2.4 GHz 無線位置。
- 使用隨附的 USB 連接線將無線接收器連接到電腦。接收器上的電源指示燈亮白色。

當接收器等待與鍵盤連通時，接收器上的連線狀態指示燈閃白色。連線成功後，指示燈亮白色。當鍵盤處於有電模式或移出無線通訊範圍時，指示燈閃白色。

3.4 處理連接故障

在 2.4 GHz 無線和藍牙模式下，鍵盤嘗試連接裝置 30 秒。若持續嘗試失敗，鍵盤將會進入睡眠 (電池供電) 或待機 (USB 供電) 狀態。請再次嘗試或者參閱 15 疑難排解。

3.5 配對無線接收器

您的鍵盤和無線接收器已預先配對，無需額外設定即可立即使用。如果您需要使用舊代的無線接收器或解除無線連網問題，請依照下列步驟操作：

- 將連接模式開關滑動到 2.4 GHz 無線位置。
- 按下 (Fn + 4) 直到無線指示燈亮 (4) 開始快閃。
- 使用隨附的 USB 連接線將無線接收器連接到電腦。

4 選擇 Windows 或 macOS 模式

按下 (Fn + 確認鍵) 在 Windows 和 macOS 之間切換。確認鍵 (Enter) 將背光藍白色或綠色 3 秒鐘，用以表示鍵盤已相應切換至 Windows 模式或 macOS 模式。按 Fn 鍵 - 查看目前正在使用的作業系統模式。參看下表瞭解每種模式下特有的按鍵功能。

按鍵	Windows	macOS
⌘ (Win)	(Win)	(Option)
⌘ (Alt)	(Alt)	(Command)
⌘ (Fn)	(Fn)	(Option)
F1-F12	F1-F12	Fn 層按鍵功能

參看下一章節，瞭解更多按鍵映射的內容。

5 使用 Fn 層按鍵功能

MX 8.2 TMR 鍵盤配備了多種內建功能，部分功能標識在鍵帽上。

- 要在 Windows 作業系統中使用特定功能，請按 Fn 鍵並同時按下對應的按鍵。
- 要在 macOS 上執行所需功能，只需按 Fn-F12 鍵即可。

範例：在 Windows 上按 (Fn + F1 ⌘) 或在 macOS 上按 (F1 ⌘) 可靜音或取消靜音。詳情請參閱下表內容。

按鍵	功能
(F1 ⌘)	靜音 / 取消靜音
(F2 ⌘)	調整音量
(F3 ⌘)	調高音量
(F4 ✱)	背光開閉 / 關閉
(F5 ✱)	調高背光效果
(F6 ✱)	調低背光效果
(F7 ⌘)	減慢背光變化速度
(F8 ⌘)	加快背光變化速度
(F9 win ⌘)	啓用 / 禁用電報模式
(F10 ⌘)	預設調整瀏覽器 (Windows) Spotlight 搜尋 (macOS)
(F11 ⌘)	檔案資源管理器 (Windows) Finder (macOS)
(F12 ✱)	更改背光模式

在 Windows 和 macOS 中，一律使用 Fn + 對應按鍵來存取以下功能。

- 選擇您更快速度連接的裝置。
- 點擊**死區**按鈕即可調整相關設定。死區是鍵軸底部的一個微小不敏感區域，感應器會忽略該範圍內的移動。在按鍵完全按下時，可以防止誤觸並避免造成不必要的問題。
- 啓用**快速復發**模式，並進一步調整其觸發和復位行程時間。
- 選擇啓用或停用 **RT 鍵定功能** (快速觸發穩定技術)。該功能可提升**快速復發**模式下的按鍵穩定性，減少錯誤輸入。注意：啓用此功能會略微增加延遲。

您的所做的設定將立即生效。

更換鍵軸後，請按以下步驟操作以確保鍵盤正確識別新鍵軸，從而獲得最佳性能。

- 選擇您更換過鍵軸的按鍵。
- 選擇對應的鍵軸類型。
- 點擊確認認以使用設定生效。
- 校准按鍵以確保準確的觸發響應。

更換鍵軸後或排布按鍵問題時，必須對每個按鍵進行校准。按準時，請緩慢將每按鍵按鍵到底，直至其對應區域顯示正確。

6 回報率

回報率指鍵盤在詢按鍵動作後傳達資訊給電腦的頻率。MX 8.2 TMR 鍵盤在有線模式和 2.4 GHz 無線模式下的回報率高達 8000 Hz，低延遲爲電競玩家帶來優勢。

USB 有線模式和 2.4 GHz 無線模式下的預設回報率爲 8000 Hz。您可利用 CHERRY 軟體自訂回報率。請注意，高回報率會增加耗電量。

7 更換鍵軸

MX 8.2 TMR 鍵盤支援鍵軸熱插拔。您可以在鍵盤的主鍵區替換使用 TMR 鍵軸或傳統的機械軸。在編輯鍵區僅可以使用 TMR 鍵軸。

	主鍵區	編輯鍵區
⌘ (Win)	⌘ (Win)	⌘ (Win)
⌘ (Alt)	⌘ (Alt)	⌘ (Alt)
⌘ (Fn)	⌘ (Fn)	⌘ (Fn)

請按照以下步驟自訂鍵盤的鍵軸。

- 使用拔鍵器輕輕地拔出鍵帽。
- 使用拔鍵器小心地取出需更換的鍵軸。

單元 (Unit)	鉛 Pb (Lead)	汞 Hg (Mercury)	鎘 Cd (Cadmium)	六價鉻 Cr+6 (Hexavalent chromium)	多溴聯苯 PBB (Polybrominated biphenyls)	多溴二苯醚 PBDE (Polybrominated diphenyl ethers)
電路板 (PCB)	○	○	○	○	○	○
電子零件 (Electronic components)	—	○	○	○	○	○
焊膏 (Solder paste)	○	○	○	○	○	○
電線絲 (Cable)	○	○	○	○	○	○
外殼 (Plastic parts)	○	○	○	○	○	○
金屬零件 (Metal parts)	○	○	○	○	○	○
橡膠零件 (Rubber parts)	○	○	○	○	○	○

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. 「—」係指該項限用物質爲排除項目。 [Note 3: "—" indicates that the restricted substance corresponds to the exemption.]

- 依照自己的喜好自訂鍵盤的背光效果。
- 建立、錄製和編輯巨集以簡化操作和提高遊戲表現。
- 將不同的按鍵、巨集、文字或作業系統功能指派給單一按鍵。

調整各種參數以指示鍵行為，優化使用體驗。

CHERRY 軟體對使用者友好，操作方便。如需進一步協助，我們的客戶支援團隊隨時待命。

10.1 安裝 CHERRY 軟體

請依照以下步骤安裝 CHERRY 軟體。

- 始終使用 CHERRY 軟體的最新版本。當出現更新提示時，立即更新。
- 從 CHERRY 官方網站下載免費軟體：www.cherry-world.com 或 www.cherry-world.tw。

或者：

按下 (Fn + Esc ⬇) 快速鍵，開啓 CHERRY 軟體下載頁面。

選擇適用於 MX 8.2 TMR 鍵盤的驅動軟體。

下載完軟體後，執行安裝程式。

依照安裝精靈的指示完成安裝步驟。

10.2 運行 CHERRY 軟體

CHERRY 軟體安裝完成后，您可以按下 (Fn + Esc ⬇) 啓動應用程式。

10.3 更新軟體

當有新的接收器版本可用時，CHERRY 軟體會提示您更新驅動程式。爲確保鍵盤效能最佳化，建議您保持軟體處於最新版本。

請插入無線接收器，確保其軟體也已更新至最新版本。

- 在 **USB 連接線模式** 下更新新軟體。

爲確保穩定性的軟體更新，請始終使用 USB 連接線將鍵盤連接到電腦。這樣可避免因電池耗盡而導致更新中斷。

11 使用電報模式

MX 8.2 TMR 鍵盤配備了專用電報模式。若您在遊戲時希望停用 Windows 開始功能以避避免意外打斷，可啓用此模式。

按下 (Fn + F9 win ⌘) 啓用 / 禁用電報模式。在電報模式下，⌘ (Win) 鍵亮紅色。

請注意，電報模式僅在 Windows 作業系統上可用。

12 爲鍵盤充電

鍵盤電流量不閃時，鍵盤背面的「USB / 電池」指示燈 ⬅➡ 閃爍紅色。請儘快給鍵盤充電。

您可以用該鍵盤充電器連接充電，觀察數據輸入的響應情況。該數據輸入可即時支持 Windows 系統。

13 將鍵盤恢復爲出廠設定

長按 (Fn + Pause) 5 秒鐘，可將鍵盤重置爲出廠默認設定。

14 清潔鍵盤

注意：使用腐蝕性清潔劑或液體灑入鍵盤可能會造成鍵盤損壞！

- 關閉鍵盤並斷開 USB 連接線。
- 使用微濕的布和溫和的清潔劑 (如洗潔精) 清潔鍵盤。
- 切勿使用汽油、苯、酒精等腐蝕性溶劑，也不得使用去污劑或百潔布。
- 小心防止任何液體滲入鍵盤。

清潔鍵盤後，用柔軟不掉毛的布擦乾鍵盤。

15 疑難排解

遇到鍵盤使用問題時，請嘗試以下操作：

- 關閉鍵盤電源後重新啓用。
- 使用電線上不同的 USB 連接埠。
- 在另一台電腦上測試驗證鍵盤功能。
- 將電腦 BIOS 中的選項「USB Keyboard Support」和「USB Legacy Mode」設爲「Enabled」。
- 爲鍵盤充電 (參閱 12 爲鍵盤充電)。
- 移除可能造成故障的金屬或電氣物體，如連接線、掛鉤器或 USB 集線器。
- 縮小鍵盤與電腦之間的距離以增強訊號強度。

如果 USB 3.0 裝置在接收器附近造成乾擾，請嘗試使用其他較遠的連接線、取代連接線、接收器或 USB 3.0 裝置的 USB 集線器。

15.1 排解藍牙連接故障

爲確保 MX 8.2 TMR 鍵盤的藍牙連接，請嘗試以下操作：

- 如果電腦處於睡眠模式，手動喚醒它，因爲藍牙裝置無法喚醒電腦。
- 如果鍵盤已連接到所選頻道上的另一個裝置，則無法建立並行連接。關閉佔用頻道的裝置或禁用其連接。

管理電線上多個裝置安裝

電腦對活動裝置的電氣容量有限。過多裝置可能會導致設定權衡衝突或可用連接埠不足。

了解電腦的局限性，以確保所有連接的藍牙裝置正常運作。

- 關閉不必要的藍牙裝置，減少干擾。
- 刷新連接，在重設設定中刪除所有有線鍵盤並重新添加。
- 如果指派了不同的藍牙裝置，如有必要，請切換到不同的藍牙頻道以避免連線問題 (請參閱 3.2.5 切換藍牙裝置)。



1. 2.4 GHz 무선 연결 상태 표시등

3. 블루투스 연결 상태 표시등, 채널 선택, 페어링 시작

시작 전 주의 사항

- 모든 기기는 다릅니다! 사용 설명서에는 기기를 효과적이고 안정적으로 사용하기 위한 정보가 있습니다.
- 사용 설명서를 주의 깊게 읽으십시오.
- 사용 설명서를 잘 보관하고, 필요한 경우 다른 사용자에게 넘겨주십시오.
- 이 매뉴얼에는 우리가 귀하의 경험을 지속적으로 개선하기 위해 노력함에 따라 최신 제품 업데이트가 포함되어 있지 않을 수 있습니다. 최신 작동 지침 및 제품 기능에 대한 자세한 내용은 CHERRY 공식 웹사이트를 참조하십시오.

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사용 설명서를 주의 깊게 읽으십시오.

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상태	블루투스	2.4 GHz
연결을 기다리는 중	천천히 깜박임	천천히 깜박임

페어링	빠르게 깜박임	빠르게 깜박임
연결됨	(4) 커짐 상태 유지 (1, 2, 또는 3) 5 초 동안 커짐	(4) 커짐 상태 유지 (1, 2, 또는 3) 5 초 동안 커짐

추가적인 매핑은 다음 섹션을 참조하십시오 .

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