



CHERRY KW X ULP Mechanical Keyboard Owner's Manual

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CHERRY

KW X ULP Mechanical Keyboard



Product Information: CHERRY KW X ULP Keyboard

The CHERRY KW X ULP keyboard is designed for use with PCs and laptops. It can be connected to the device via a 2.4 GHz wireless connection, Bluetooth or a USB cable. The keyboard features a CHERRY key for battery charge level and to disable Windows keys.

The Windows keys can be deactivated or activated by pressing the CHERRY key.

The keyboard has a switch on the back to turn it on and off. It also has keys for volume control, sound on/off, calculator, browser, email program, and more.

The keyboard uses a rechargeable battery and comes with a USB cable for charging. The battery can be charged while the keyboard is in use or switched off. The keyboard has an illumination feature that can be adjusted for brightness.

Technical Specifications

- Voltage: 3.7 V
- Charging voltage: 5 V DC
- Charging current: 200 mA max
- Battery: Lithium polymer battery
- Frequency: 2.4 GHz
- Bluetooth version: Bluetooth 4.0
- Storage temperature: -20°C to 60°C
- Operating temperature: 0°C to 40°C
- Warranty: 3 years

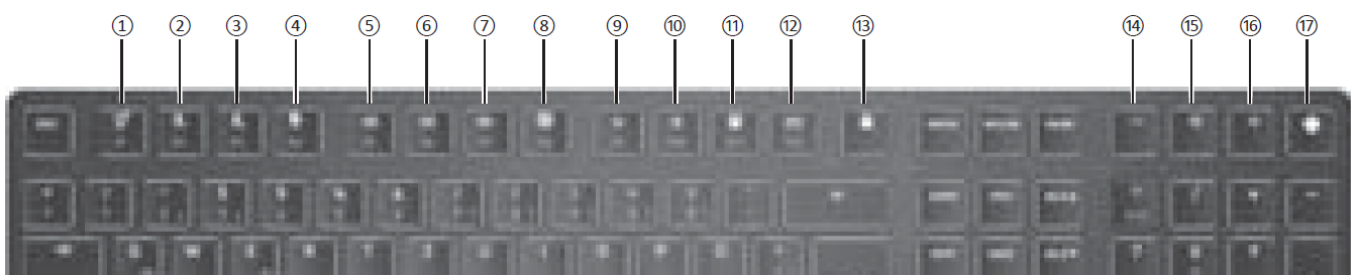
Product Usage Instructions

1. Connect the keyboard to the device via a 2.4 GHz wireless connection, Bluetooth or a USB cable.
2. To connect via a 2.4 GHz wireless connection, follow the instructions below:
 1. Pull the receiver out of the magnetic socket on the back of the keyboard.
 2. Connect the receiver to a USB 2.0 port on your PC/ laptop.
 3. Switch on the keyboard by setting the switch on the back of the keyboard to I.
 4. Press the F1 key. The F1 key will light up green for 5 seconds to confirm that the keyboard is connected to your device.
3. To connect via Bluetooth, follow the instructions below:
 1. Open the search for Bluetooth devices on your PC/ laptop.

2. Follow the software instructions.
3. Switch on the keyboard by setting the switch on the back of the keyboard to I.
4. To connect via USB cable, simply plug in the cable to the USB port on your device and switch on the keyboard.
5. Adjust the illumination of the keyboard according to your preference using the illumination darker and illumination brighter keys.
6. Use the keyboard as you would with any other keyboard. The keys are labeled clearly and should be self-explanatory.
7. Use the CHERRY key to check the battery charge level and to disable or enable the Windows keys. When the Windows keys are disabled, they will light up in red. When they are enabled, they will light up like the rest of the keys.
8. To charge the battery, connect the USB cable that came with the keyboard to a USB port on your device or a USB charger. The battery can be charged while using the keyboard or while it is switched off.
9. Do not dismantle, crush, heat or burn the keyboard. Do not expose it to water or moisture. Keep magnetic cards or external hard drives, or mechanical clocks at least 10 cm away from the receiver on the back of the keyboard.

OPERATING

1. Connection via 2.4 GHz radio receiver
2. Connection via Bluetooth channel 1
3. Connection via Bluetooth channel 2
4. Connection via cable
5. Previous title
6. Play/pause
7. Next title
8. Browser, home
9. Illumination darker
10. Illumination brighter
11. Calculator
12. Start e-mail program
13. Blocking the PC
14. Volume down
15. Sound on/off
16. Volume up
17. CHERRY key for battery charge level and to disable Windows keys.



Before you begin ...

Every device is different!

The operating instructions contain information on effective and reliable use.

- Read the operating instructions carefully.
- Keep the operating instructions and pass them on to other users.

The CHERRY KW X ULP is a keyboard for operating PCs and laptops.

For information on other products, downloads and much more, visit us at www.cherry.de.

For your safety

Risk of choking from swallowing small parts

- Keep the device out of the reach of children under 3 years.
Fire hazard due to permanently installed rechargeable battery
- Do not destroy the keyboard by, for example, dismantling, crushing, heating or burning it.
RSI stands for "Repetitive Strain Injury".
RSI arises due to small movements continuously repeated over a long period of time.
- Set up your workspace ergonomically.
- Select a comfortable inclination of the keyboard using the adjusting the feet on the bottom.
- Take several short breaks ,with stretching exercises if necessary.
- Change your posture often.

Avoiding damage



Damage to the keyboard

- Do not remove the key caps.
The magnet can wipe storage media and damage mechanical watches
- Do not bring storage media, such as magnetic cards or external hard drives, or mechanical clocks closer than 10cm to the receiver on the back of the keyboard.

Switching the keyboard on/off

- Slide the switch on the back of the keyboard to the appropriate position:
Off = 0
On = I

After switching on, the keyboard lights up briefly at full brightness and then at these value. The key with the set

connection type  -  flashes briefly and lights up for 5 seconds if the connection is successful.

To save power, when not in use and in battery mode, the illumination drops to the lowest level after 30 seconds and goes out after one minute. When the cable is connected, the illumination remains on. When not in use for an

extended period of time, the keyboard enters sleep mode where it uses very little power. It switches on again automatically the first time a button is pressed.
Because the keyboard still consumes power in energy-saving mode, switch it off manually before longer periods out of use or for transport.


Connecting the keyboard to the PC/laptop


You can connect the keyboard with receiver to the PC/laptop via a 2.4GHz wireless connection, Bluetooth or the USB cable.


Switching between the connection methods is convenient if you want to use the keyboard on multiple devices.

Connecting the keyboard via the receiver

- Pull the receiver out of the magnetic socket on the back of the keyboard.
- Connect the receiver to a USB 2.0 port on your PC/laptop if possible (this usually has a white or black guide).
- Switch on the keyboard (set the switch on the back of the keyboard to “I”).

- Press the F1 key ().

The F1 key () lights up green for 5 seconds to confirm. The keyboard is connected to your PC/ laptop.



If the F1 key () flashes green rapidly for 5 seconds, the connection has failed.

- Try again.

Connecting the keyboard via Bluetooth

Bluetooth version

You need a PC/laptop with a Bluetooth receiver that supports at least Bluetooth 4.0.

1. Open the search for Bluetooth devices on your PC/ laptop (for example via Start> Settings> Devices> Bluetooth).
2. Follow the software instructions.
3. Switch on the keyboard (set the switch on the back of the keyboard to “I”).
4. Press the F2 key () or the F3 key () for 5 seconds with the Bluetooth channel you want to connect the keyboard to the PC/laptop.

The key flashes blue slowly. From this point, you can establish a connection within 60 seconds.

If the key does not flash blue:

- The keyboard is already connected to another PC/laptop. Switch it off or deactivate that connection.
5. Follow the software instructions.

The corresponding Bluetooth key will light up blue for 5 seconds to confirm, and the keyboard is connected to your PC/laptop.



If the key flashes blue rapidly for 5 seconds, the connection has failed.

- Try again.





Connecting the keyboard via Bluetooth

Bluetooth version

You need a PC/laptop with a Bluetooth receiver that supports at least Bluetooth 4.0.

1. Open the search for Bluetooth devices on your PC/ laptop (for example via Start> Settings> Devices> Bluetooth).
2. Follow the software instructions.
3. Switch on the keyboard (set the switch on the back of the keyboard to “I”).
4. Press the F2 key () or the F3 key () for 5 seconds with the Bluetooth channel you want to connect the keyboard to the PC/laptop.
5. The key flashes blue slowly. From this point, you can establish a connection within 60 seconds.
If the key does not flash blue:
 - The keyboard is already connected to another PC/laptop. Switch it off or deactivate that connection.
6. Follow the software instructions.
The corresponding Bluetooth key will light up blue for 5 seconds to confirm, and the keyboard is connected to your PC/laptop.
If the key flashes blue rapidly for 5 seconds, the connection has failed.
 - Try again.

Connecting the keyboard via cable


1. Connect the keyboard to the PC/laptop using the cable provided.
2. Switch on the keyboard (set the switch on the back of the keyboard to “I”).
3. Press the F4 key ().
If you do not press the F4 key (), the keyboard will only be charged via the cable (see 7 “Charging the battery”).
The F4 key () lights up green for 5 seconds to confirm. The keyboard is connected to your PC/laptop.
If the F4 key () flashes green rapidly for 5 seconds, the connection has failed.
 - Try again.
4. Changing the connection type
If you have set up the keyboard with multiple devices using different connection types, you can switch between these devices.
 - Press the corresponding key (–).
If the connection is successful, the corresponding button will light up for 5 seconds. If no connection was

established, the button flashes for 5 – 10 seconds.

Stowing the receiver in the keyboard

The receiver is so small that it can stay in the USB port of a laptop while being transported. If you want to protect it from dirt and loss, remove it and store it in the keyboard.

Charging the battery


When the voltage of the keyboard battery decreases, the CHERRY key () flashes red 10 times, then the signal stops. When the battery level is below 10%, the button flashes every 30 minutes, below 5% every 15 minutes and below 2% every 5 minutes.

A low battery level is indicated directly when you switch on the keyboard, when you work with the keyboard after starting the PC/laptop, or when you wake it up from sleep mode.

Charging the batteries in good time prolongs their service life.

- Connect the charging cable to the socket on the keyboard and a USB port or USB mains adapter.

Your power source (PC/laptop) must be switched on. You can continue working while charging. The CHERRY

key () will light up red when charging starts. When the keyboard is half charged, it will glow yellow and when charging is complete, it will glow green.

The charging circuit prevents overcharging

Activating additional functions on the function keys

There are symbols on the function keys that allow you to perform additional functions.

When the FN key is lit like the rest of the keys (factory setting):

- For the function of a symbol, press the function key along with the corresponding symbol.

Or:

- For the standard function (F1 – F12), press and hold the FN key and press the function key.

Locking/unlocking the FN key

If you use the standard functions (F1 – F12) often, you can lock the FN key (FN lock).


- Press the CTRL key and the FN key simultaneously.

When the FN key is lit red, the standard functions (F1 – F12) of the function keys are executed.

If the FN key is illuminated like the rest of the keys, the functions of the symbols of the function keys are executed.

Disabling/enabling Windows keys

To prevent the Windows keys from being pressed unintentionally, you can deactivate them.

- Press the CHERRY key ().
- The Windows keys are inactive (light up red) or active (light up like the rest of the keys).

Customizing the keyboard configuration

With the CHERRY KEYS software you can freely assign many of the keys on the keyboard. This means you can access apps, files, individual text modules or macros at the touch of a key.

You can obtain CHERRY KEYS as a free download at www.cherry.de.
Give it a go!

Cleaning the keyboard

1. Switch the keyboard off.

NOTE! Aggressive cleaning agents and liquids can damage the keyboard

- Do not use solvents such as gasoline or alcohol and scouring agents or scouring sponges for cleaning.
 - Prevent liquids from entering the keyboard.
2. Clean the keyboard with a slightly damp cloth and some mild cleaning agent (e.g. dishwashing liquid).
 3. Dry off the keyboard with a soft, lint-free cloth.

If the keyboard is not working

- If one of the keys for the connection type (–) flashes for a prolonged period after a write attempt, this means that this connection type is set and the keyboard cannot establish a connection. Change the connection type (see 5 “Changing the connection type”) or establish the connection again (see 4 “Connecting the keyboard to the PC/laptop”).
- Switch the keyboard off and on again.
- Check that the appropriate connection type is set (see 5 “Changing the connection type”).
- Charge the keyboard via the charging cable (see 7 “Charging the battery”).
- Remove any objects causing interference between the keyboard and the PC/laptop. Interference is caused in particular by metallic or electrical objects such as cables, loudspeakers or USB hubs.
- Reduce the distance between the keyboard and the PC/laptop.
- Should any interference be encountered when using USB 3.0 devices right near the receiver: use a port that is further away, an additional cable, or a USB hub for the receiver or USB 3.0 device.
- Reset the keyboard to factory settings by inserting a pen (or paper clip) into the small hole under the center foot of the keyboard and holding it down for 3 seconds. This will also wipe the connection information.

Rectifying a connection fault using the receiver

- Connect the receiver to a USB 2.0 port on your PC/laptop (this usually has a white or black guide).
- Malfunctions occasionally occur on USB 3.0 ports (blue guide).
- Connect the receiver to another USB 2.0 port on the PC/laptop.
- Reduce the distance between the receiver and the keyboard by connecting the receiver to a USB port that is close to the keyboard.
- Use a USB extension cable to place the receiver as close to the keyboard as possible.

Rectifying a Bluetooth connection fault

- Check whether the internal receiver of your PC/ laptop supports at least Bluetooth standard 4.0.

- Lower versions are not supported.
- If your PC/laptop is in standby mode, it cannot be woken up using Bluetooth devices. Switch on the PC/laptop manually.
- If the keyboard is already connected to another PC/laptop, you cannot make a parallel connection. Turn off the first PC/laptop or deactivate the connections.

Operation of several Bluetooth devices on a PC/laptop

When too many Bluetooth devices are connected, it may be too much for the Bluetooth receivers in the PC/laptop.

- Turn off any unnecessary Bluetooth devices.
- Remove the connection to the keyboard in the Bluetooth software and add it again as a new device.
- Use an external Bluetooth receiver.
- Connect the keyboard via the receiver or cable.

Device disposal

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

Technical data

- Designation Value
- Supply voltage 5.0 V/DC $\pm 5\%$
- Charging voltage Typ. 5.0 V/DC
- Charging current Max. 500 mA
- Current consumption Keyboard: max. 125 mA
- Receiver: max. 15 mA
- Battery Rechargeable lithium ion battery, 2800 mAh
- Operating frequency 2400.0 ... 2483.5 MHz
- Effective radiated power Max. 10 mW (EIRP)
- Bluetooth 5.0
- Storage temperature -15 °C ... +60 °C
- Operating temperature 0 °C ... +40 °C

Certifications

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

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.


RF exposure statement

This device complies with the RF exposure requirements for mobile and fixed devices. However, the device shall be used in such a manner that the potential for human contact during normal operation is minimized.





UKCA

UK Authorised Representative:
Authorised Representative Service
The Old Methodist Chapel
Great Hucklow
SK17 8RG
UK

Documents / Resources

	CHERRY KW X ULP Mechanical Keyboard [pdf] Owner's Manual MXU-270, MXU270, GDDMXU-270, GDDMXU270, KW X ULP, KW X ULP Mechanical Keyboard, Mechanical Keyboard, Keyboard
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References

-  [CHERRY - mice and keyboards for professionals](#)
-  [CHERRY Deutschland - Mäuse, Tastaturen und Eingabegeräte für Profis](#)
-  [CHERRY Deutschland - Mäuse, Tastaturen und Eingabegeräte für Profis](#)
-  [CHERRY - mice and keyboards for professionals](#)