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# Safety

- Read the instructions and keep them for future reference. By following these safety instructions, you can use the device safely and prevent damage to the device or injury to persons.
- Before use, ensure that the package contains all parts listed in the technical specifications and that the device parts are intact. Do not use the appliance if any parts are missing or damaged.
- Do not attempt to repair the device parts yourself. Take the device to the retailer or an authorised service centre if any parts are faulty.
- Remove all protective plastics and stickers from the device.
- Use the appliance only in dry indoor environments at room temperature.
- Do not expose the appliance to water or other liquids.
- Do not expose the device to fire, direct sunlight, or other heat sources, excessive cold, or corrosive substances.
- The device can also be used by children over 8 years old and persons with physical or mental limitations, or persons without experience or knowledge of how to use the device, provided they have been instructed on its safe use or are under appropriate supervision and understand the risks associated with it. Children should not play with the device. Children should not clean or maintain the device without supervision.
- Charge the device's battery full whenever the battery level is low. Regularly charge the battery even if you are not using the device frequently.
- Charge the device's battery in a dry area free from easily flammable or explosive substances, with a temperature

between +5 °C and +40 °C.

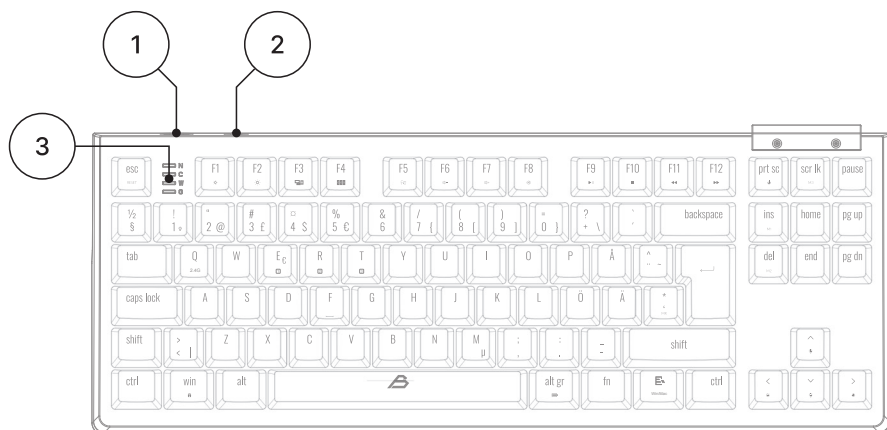
- Ensure that the charging port, charger, and socket are dry before charging. Do not charge the device if the charging port, charger, or socket is wet.
- Charge the device's battery on a flat, stable surface. Do not let the device or charging cable hang over the edge of high surfaces during charging. Do not place the device or charging cable in walkways where they could pose a tripping hazard.
- Use only a compatible CE-marked charger with a USB output voltage of 5 V and output current of 500 mA. No charger is included in the package.
- The power delivered by the charger must be between min 0.2 Watts required by the radio equipment, and max 3.3 Watts in order to achieve the maximum charging speed.
- Plug the charger into a socket that is easily accessible.
- Do not leave the device charging unattended.
- If the device emits unusual smells or light during charging, stop charging immediately and contact service.
- Grip the plug when disconnecting the charging cable from the device or power source. Do not pull the charging cable.
- Disconnect the charging cable from the device and power source once the battery is fully charged.
- Never puncture the device's battery.



# Technical information

Model	Blackstorm Serenity TKL
Battery	DC 3.7 V Li-ion 4000 mAh / 14.8 Wh
Charging port	USB-C 5 V DC 500 mA
Radio device type	2.4 GHz EIRP < 4 dBm
Connections	<ul style="list-style-type: none"><li>• Wireless Bluetooth 5.0</li><li>• WiFi 2.4 GHz</li><li>• USB-C</li></ul>
Compatibility	<ul style="list-style-type: none"><li>• Windows</li><li>• MacOS</li></ul>
Refresh rate	<ul style="list-style-type: none"><li>• USB-C: 1 000 Hz Ultrapolling</li><li>• Bluetooth: 125 Hz</li></ul>
Response time	<ul style="list-style-type: none"><li>• USB-C, WiFi: 1 ms</li><li>• Bluetooth: 8 ms</li></ul>
Pressing force	45±15 gf
Travel distance	4 mm
Pre-travel	2.0±0.6mm
N-Key Rollover (NKRO)	Yes
Keycap connection	5-pin
Dimensions and weight	366.3 × 141.2 × 44.2 mm; 1,240 g
Package contents	<ul style="list-style-type: none"><li>• Keyboard</li><li>• Braided USB-A to USB-C cable (1.8 m)</li><li>• Keycaps and switches removal tool</li><li>• Three spare switches</li></ul>

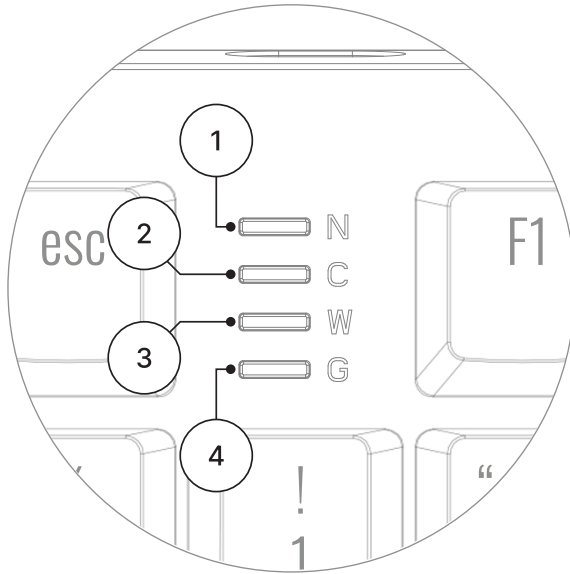
# Parts



1. Charging port
2. Connection selector
3. Indicator lights

# Indicator lights

The keyboard has four indicator lights located to the right of the ESC key.



1. The highest indicator light (N) is on when you use Caps Lock.
2. The second-highest indicator light (C) is on when you establish a wireless connection. The operation of this indicator light is described in more detail in the section “How to use”. The indicator light is blue.
3. The second-lowest indicator light (W) flashes when the battery is low. The indicator light is yellow.
4. The lowest indicator (G) is on when charging the keyboard battery. The indicator light is white.



# Charging

Fully charge the keyboard battery before the first use. Charge the battery even when the battery is low.

The battery is low when the indicator light next to the ESC key flashes. The indicator light is yellow.

This is how to charge the battery:

1. Plug the USB-C connector into the keyboard's charging port.
  2. Plug the USB-A connector into the USB port on your computer or a power adapter.
  3. If you use a power adapter, plug it into an accessible electrical outlet.
- Please note that the package does not include a power adapter, rather it must be purchased separately.
4. Check that the charging indicator light is on:
    - The indicator light turns white when the battery is charging.
    - The indicator light turns off when the battery is fully charged.

When the battery is full:

5. Disconnect the USB-C connector from the keyboard.
6. Disconnect the USB-A connector from the computer or power adapter.
7. If you are using a power adapter, unplug it after use.

# How to use

You can use the keyboard wirelessly via Bluetooth or a 2.4 GHz connection. If you prefer, you can also use the keyboard in wired mode by connecting it to your computer with a USB cable.

- Note! To use the keyboard wirelessly over a 2.4 GHz connection, plug the receiver into the USB-A port on your computer. You can find the receiver under the lid below the keyboard.

## Wireless connection

Connection selector

At the top of the keyboard is a connection selector with three settings: **G**, **OFF** and **B**.



- Use setting **G** if you want to use the keyboard with a 2.4 GHz wireless connection. Move the connection selector to the left to enable the setting.
- Use the **OFF** setting if you want to use the keyboard in wired mode. Move the connection selector to the middle to enable the setting.
- Use setting **B** if you want to use the keyboard with a Bluetooth connection. Move the connection selector to the right to enable the setting.

## 2.4 GHz

1. Plug the receiver into the USB port on your computer.
2. Move the connection selector to the left (setting **G**).
3. Press **Fn** ja **Q** at the same time. The blue connection light will start flashing.
4. The blue connection light turns off when the connection is completed.

## Bluetooth

You can store three different Bluetooth devices in the keyboard memory. Connect to devices by pressing the following key combinations:

- **Fn** and **E**: Connection to device 1.
- **Fn** and **R**: Connection to device 2.
- **Fn** and **R**: Connection to device 3.

1. Move the connection selector to the left (setting **B**).
  2. The first time you connect to a new device via Bluetooth, press and hold any of these key combinations (e.g. **Fn** and **E**). The blue connection light will start flashing.
  3. Then select **Serenity KB** from the device's Bluetooth pair list. The blue connection light turns off when the connection is completed.
  4. The keyboard stores this device for the key combination you select. You can later reconnect to this device by pressing the same key combination.
- If you have not established a Bluetooth connection within two minutes, pairing mode will turn off. Press any key to enable pairing mode again.

## Wired connection

1. Move the connection selector to the middle (setting OFF).
2. Connect the USB cable to the USB ports on the keyboard and the computer.

In a wired connection, the keyboard charges automatically. The white indicator light is on during charging and goes off when the battery is full.

## Light settings

You can adjust the light settings for the **W**, **A**, **S** and **D** keys and the **arrow keys** as you wish.

This is how you adjust the light settings:

1. Press the **Fn key** and the **apostrophe key** at the same time to start the adjustment. The apostrophe key is located next to the Enter key.
2. Adjust the light settings on a key by pressing it. Press the key repeatedly and select one of the seven colour options.
3. Press the **Fn key** and the **apostrophe key** at the same time to save the changes.
4. If you want to clear the settings, press the **Fn key** and the **apostrophe key** twice in a row at the same time.

## Key combinations

The keyboard has different key combinations that allow you to customise the light settings on the keyboard or control the settings and functions of your computer. See the key combinations in the table on the next page.

<b>Key combination</b>		<b>Function</b>
FN	ESC	Reset factory settings
FN	WIN	Open and close Windows settings
FN	' (apostrophe)	Change and save light settings
FN	E/R/T	Establish a Bluetooth connection
FN	Q	Establish a 2.4GHz connection
FN	INS	Customise light settings
FN	DEL	Change the light colours
FN	SCR	Change the light movement direction
FN	PRT SC	Turn the backlight on and off
FN	1	Save customised light settings
FN	Up arrow	Increase the brightness of the backlight
FN	Down arrow	Reduce the brightness of the backlight
FN	Right arrow	Increase the speed of the backlight
FN	Left arrow	Reduce the speed of the backlight

Key combination		Function
FN	F1	Increase screen brightness
FN	F2	Reduce screen brightness
FN	F3	Go to the active window
FN	F4	Go to desktop view
FN	F5	Go to the browser
FN	F6	Decrease volume
FN	F7	Increase volume
FN	F8	Mute
FN	F9	Play/Pause
FN	F10	Stop playing
FN	F11	Previous soundtrack
FN	F12	Next soundtrack

Verkkokauppa.com Oyj guarantees that the radio device Blackstorm Serenity TKL complies with Directive 2014/53/EU.

# Maintenance, storage and recycling

- Clean the device with a soft dry cloth. Do not use other cleaning tools, detergents or sharp objects.
- Store the device only in dry indoor environments at room temperature.
- Store the device in its original package if you do not use it regularly.
- Safe disposal of the product: The device or its accessories must not be disposed of with regular household waste at the end of their life cycle. Take the device for recycling to the retailer or a local waste disposal facility responsible for recycling. For more information, contact your retailer or waste management company.



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