

CLVX 1 User Manual v.1.2

1. About

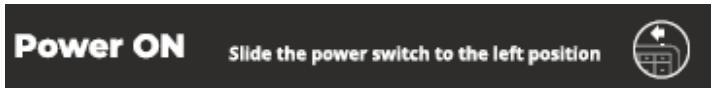
CLVX 1 keyboard by **Clevetura** powered by **TouchOnKeys®** technology is a completely new input device with an all-in-one design. With the touchpad integrated into the keyboard itself CLVX 1 not only saves space on the desk by replacing multiple devices but also significantly speeds up your workflow.

Key features:

- Supports all touchpad gestures
- Full-scale ANSI layout
- Scissors mechanical keys
- Great precision
- Type and Touch modes switching automatically
- Touch Sliders
- Per-key RGB Backlight
- 3 Bluetooth Channels
- In-App Customization: app profiles, gestures, sliders, backlight, f-row

2. Power/First use

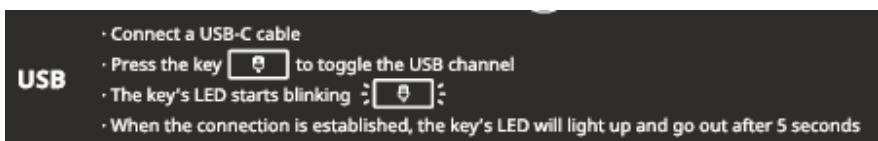
To turn CLVX 1 on just slide the power switch on the right top corner to the left



3. Connecting CLVX 1

Via USB:

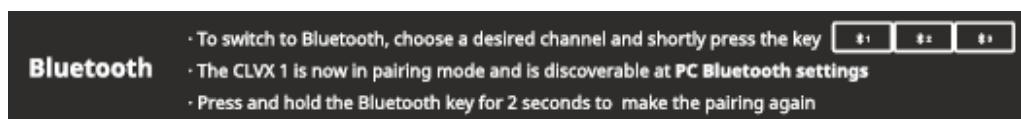
1. Connect your CLVX 1 to your PC/laptop with the USB-C cable provided with keyboard
2. Press the USB key to toggle USB channel
3. The key's LED will start blinking
4. When the connection is established the key's LED will light up and go out after 5 seconds



Via Bluetooth:

1. To switch to Bluetooth, choose a desired channel and press the corresponding key, the chosen Bluetooth channel key LED indicator will start to blink quickly (up to 2 min)
2. CLCX 1 is now in pairing mode and is discoverable at PC Bluetooth settings
3. When a connection is established, the channel LED indicator will light up for 3 seconds and go out

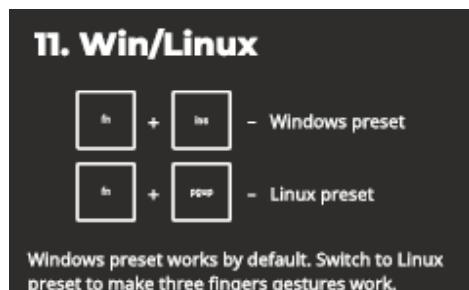
4. When searching for a paired device, Bluetooth channel LED indicator will blink slowly for 2 min
5. To start pairing process again press and hold the corresponding Bluetooth key for 2-3 sec



4. Choosing OS

Linux/Windows Presets

To optimize the keyboard's performance, we created settings presets to match the OS. Windows preset works by default. If you're a Linux user, please switch to Linux preset to make sure that three-fingers gestures work correctly.



Supported OS and Apps

CLVX 1 supports Windows 10 and 11. Also, CLVX 1 offers limited support for Linux (based on Gnome with Wayland enabled) and Android/iOS/iPadOS/WebOS/Tizen.

CLVX 1 **on Windows** supports all gestures (one, two, three, four (finger) gestures, taps and pinch), the TouchOnKeys® App is available for installation, the mouse works in BIOS, and of course typing works as well.

CLVX 1 **on Linux** (based on Gnome with Wayland enabled) supports typing and one, two and three-finger gestures, followed by some other optimizations by a special CLVX 1 Linux preset. At the moment, zoom and four-finger gestures are not supported on Linux and there is no TouchOnKeys® App for Linux.

All other operating systems support typing and mouse gestures, which means gestures are sent to the system as mouse HID signals. Among the limitations, scrolling works as a mouse scroll (i.e. — line by line), three and four-finger gestures don't work, and pinch gestures send the CTRL + shortcut. But you can still control a pointer, scroll, and click left and right.

Since CLVX 1 is an input device it works in any application in the same way as your mouse or touchpad does.

What about MacOs version?

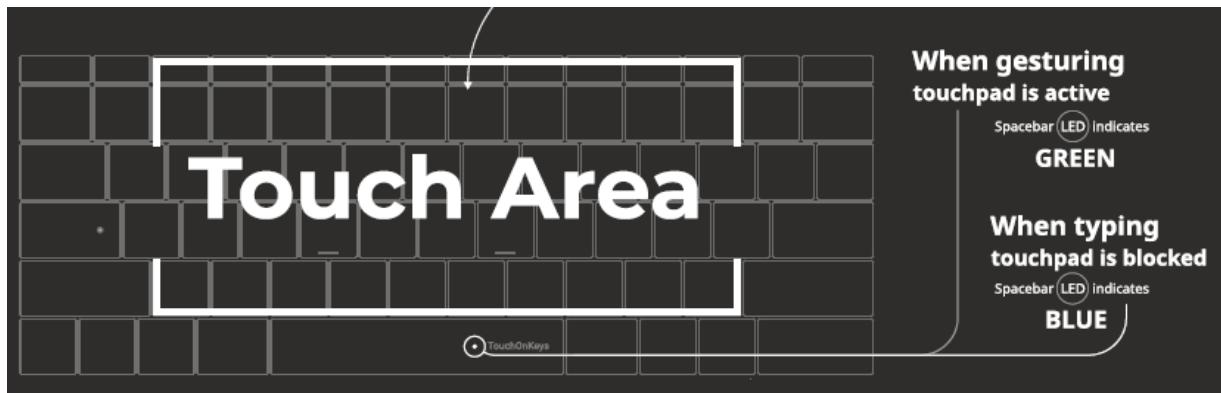
We are working on TouchOnKeys® driver for Mac, because Apple touchpad driver is closed for third party touchpads. This will be released as a software update for CLVX 1 later this fall. The installation process of the driver may require going into recovery mode and adjusting some settings.

5. Switching between typing and gestures

Touchpad is activated once you're making a gesture. Keyboard backs when you type. So, there is no need to press any special key

to switch. It's very intuitive. Of course, touchpad is blocked while you're typing, so there are no false gestures. You could control the level of switching sensitivity within the app or by key combination. Automatic switching is done by TouchOnKeys® chip in the CLVX 1.

TouchOnKeys indicator

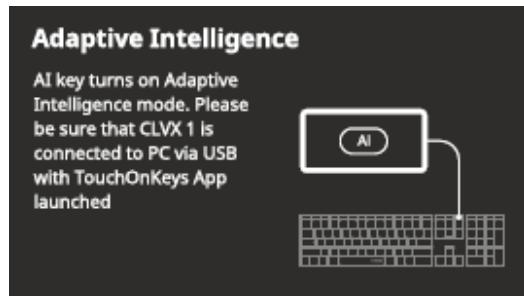


Adaptive intelligence

CLVX 1 may be trained/refined based on your behavior with the help of Adaptive Intelligence. The keyboard should be connected to the PC via USB and the TouchOnKeys® App should be launched.

After typing 10,000 symbols, CLVX 1 will set the best type-to-touch sensitivity for you.

Also, you can manually tune across nine levels of Adaptive Intelligence.



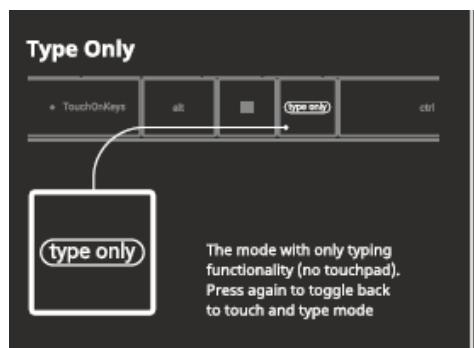
7. Adaptive Intelligence Levels

Lower Latency Higher chance of False Gestures	! @ # \$ % ^ & * (Higher Latency Lower chance of False Gestures
1 2 3 4 5 6 7 8 9		

Press and hold AI key (1 sec) and press 1 to 9 key to manually adjust Adaptive Intelligence Levels

Type only button

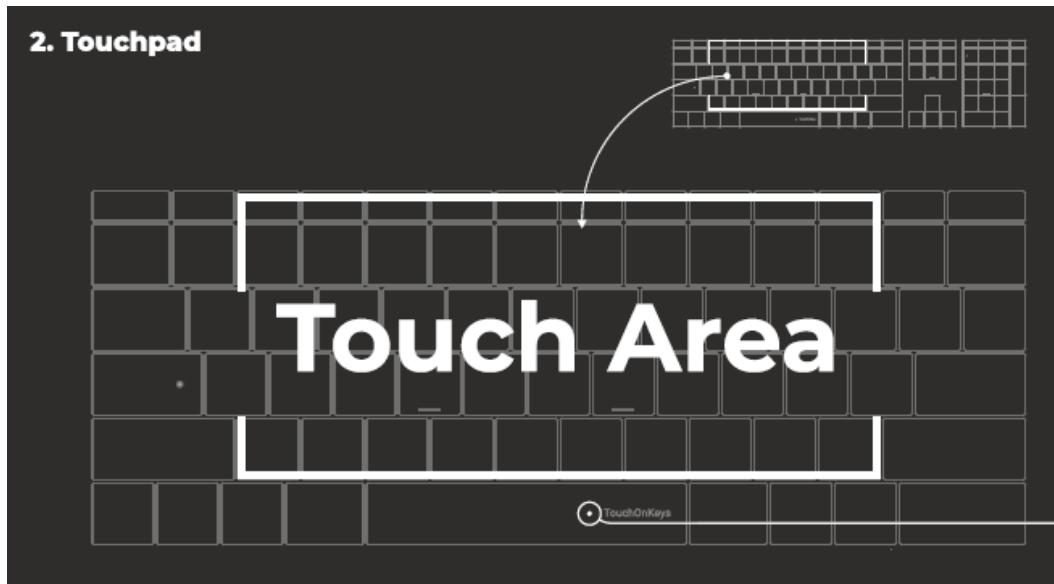
To disable the touchpad and enter in typing mode only, press the Type Only button



6. Touch surface

The touch sensor in CLVX 1 is situated not inside the keycaps, but rather as a solid layer inside the keyboard module. The touch area

extends from the left to the right Shift keys and from the Spacebar to the top of the keyboard module (186x84mm)



Touch area settings

By default, the touch area is working in full touch area mode

Full touch mode has auto touch zone selection (Magic Zones)

It uses full touch area mode when you work with one hand

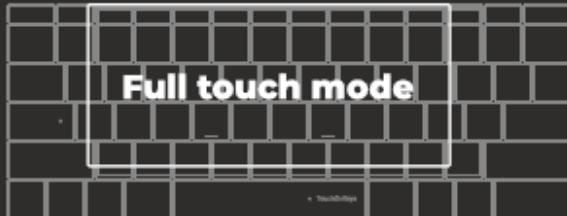
If two hands are placed on CLVX 1 the first hand which makes a gesture takes control (the other hand is ignored until gesture is done)

If you constantly work with two hands on the CLVX 1 using manual left or right touch modes could give better experience

To switch full/right/left touch modes press and hold the [L/R] key

8. Touch area settings

Default is full touch area



Full touch mode (default) has auto touch zone selection

It uses full touch area when you work with one hand. If two hands are on CLVX 1 the first hand which makes a gesture takes control (the other hand is ignored until gesture is done)



If you constantly work with two hands on the CLVX 1 using manual left or right touch modes could give better experience

To switch full/right/left touch modes press and hold the key



7. Actions and gestures

Left and right click

There are two ways to perform a click: with a tap gesture or using physical click buttons.

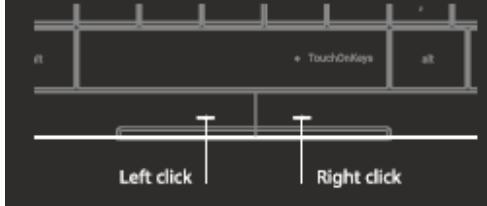
To tap just lightly tap a key without pressing it.

Left click - tap with two fingers (same gesture as on touchpad).

Click buttons are located under the spacebar and are easy to use. Just press the left click button for a left click and right for a right.

6. Physical click-buttons

Use light taps (with no key press) or click buttons to make clicks



Scrolling

Place two fingers on the keyboard and move up or down (same as on any other touchpad)

Drag and drop

To drag and drop, double tap and move your finger without lifting

(Or use left physical click button to tap on the item and then move the item with the other finger over the touch surface)

5. Drag and Drop

To drag and drop, double tap and move your finger without lifting



Selecting

To select, do two taps and move, or click using the left click-button and select the desired area moving another finger over the keyboard

Multi-finger actions

By default, the CLVX 1 supports all the system gestures as regular touchpad; to change the assignments you can go to the system touchpad/gestures settings or use TouchOnKeys App

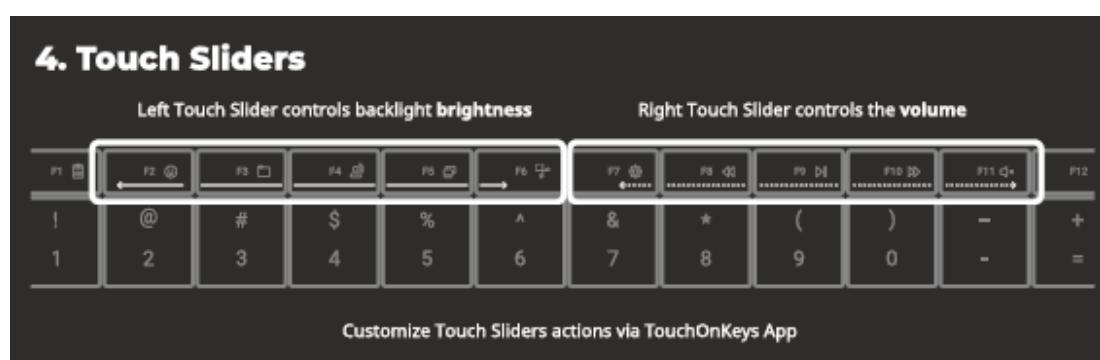
8. Touch sliders

Touch Sliders are the specially designated areas at the top of the main touch surface, that can perform pre-selected actions such as backlight brightness, volume level etc. which may help to optimize the workflow even better, by assigning the actions/shortcuts you may need.

The **left touch slider** is located on the F2-F6 keys - by default, it **changes the backlight's brightness**

The **right touch slider** is located on the F7-F11 keys - by default, it **changes the volume**

Touch Sliders are precise, their location is fixed, so you don't need to look at them. They can be used as an additional layer of control for your apps.

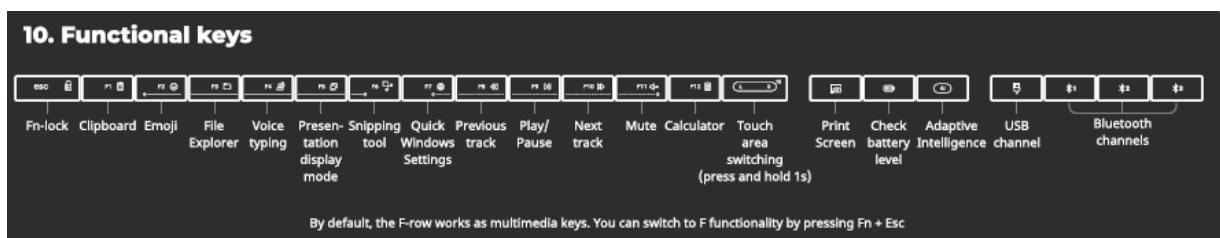


You can change Touch Sliders default actions via TouchOnKeys app

9. Functional keys

By default, the F-row works as multimedia keys

You can **switch to F functionality** by pressing **Fn+Esc**



10. Short-cuts

What short-cuts should we include?

11. Backlight

Per-key RGB

Experience the captivating brilliance of 131 carefully designed per-key addressable RGB LEDs.

Gesture Backlight

Gesture backlight gracefully follows your touches, providing intuitive on-keyboard experience

Auto Brightness Control

CLVX 1 has an automatic brightness adjustment which adapts to ambient lightning conditions for optimal visibility

Backlight zones

The keyboard has several backlight zones:

- Background (all keys)
- Touch area
- Left touch slider
- Right touch slider

The backlight is fully customizable via TouchOnKeys app

12. Charging

To charge CLVX 1 connect it to your PC or laptop using the cable included in the box

Led-light charging indication

Charging LED

The charging LED lights red when charging and turns off when charged. When the LED flashes the charge level is below 10%. When the battery is empty the LED will blink 3 times and then CLVX 1 will turn off.

Note: If charging LED blinks 5 times when you connect the cable max brightness level could be limited (insufficient power supply). Change the cable or charger

The charging LED lights red when charging and turns off when the keyboard is charged

When **the LED flashes** the charge level is **below 10%** (only displayed while the keyboard is being turned on, after connecting the charger the charging indication starts)

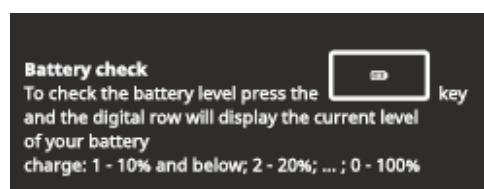
When **the battery is empty** the **LED will blink 3 times** and then CLVX 1 will turn off

Note: if charging LED blinks 5 times when you connect the cable max brightness level could be limited (insufficient power supply). In that case please, change the cable or charger

How to check battery-level

To check the battery level press [Battery] key and the digital row will display the current level of your battery

Charge:1 – 10% and below, 2 – 20%; ...; 0 –100%



Sleep mode (battery only)

After 8 hours of inactivity CLVX 1 goes to sleep mode

Press any key or click button to wake up the gesture keyboard

Sleep mode. Only on battery
After 8 hours of inactivity CLVX 1 goes to sleep mode.
Press any key or click button to wake up the gesture keyboard

Power Saving

CLVX 1 backlight fades after 1 minute of inactivity. Make a gesture, type or use click buttons to wake up CLVX 1 from power saving mode

Note: when CLVX 1 works from the battery max backlight brightness is limited. Please use 2A USB to get max brightness

Power saving
CLVX 1 backlight fades after 1 minute of inactivity. Make a gesture, type or use click buttons to wake up CLVX 1 from power saving mode
Note: when CLVX 1 works from the battery max backlight brightness is limited. Please use 2A USB to get max brightness

Electrical noise indication

CLVX 1 has a detection algorithm of charging noise from USB. When noise occurs CLVX 1 flashes red LEDs in touch area.

To solve the problem:

- Disconnect CLVX 1 from USB and work via Bluetooth
- Use original charger for your laptop to which CLVX 1 is connected
- Use a grounded outlet for your PC/laptop/display

Note: please reboot CLVX 1 after disconnecting the noisy charger

Electrical noise indication

CLVX 1 has detection algorithm of charging noise from USB. When noise occurs CLVX 1 flashes red LEDs in touch area. To solve the problem:

- Disconnect CLVX 1 from USB and work by Bluetooth
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13. The TouchOnKeys app

TouchOnKeys app will unleash the full potential of CLVX 1 — you'll be able to add settings profiles, draw and set up custom touch configuration, tune gestures, typing and backlight

The application automatically checks for the firmware update and offers to install it

12. TouchOnKeys App

· Ready to use presets for gestures and Touch Sliders:



· Customize gestures. Freedom to set custom actions for gestures. For every app separately

· Tune the backlight. Unleash a magic of per-key RGB backlit

· Adaptive Intelligence personalizes CLVX 1 for you

· Update the firmware

Download:
clevetura.com/app

14. Warnings and safety precautions

WARNING:

- To prevent fire or shock hazard, do not expose your device to rain or moisture
- Do not allow the device to come in close contact with a flame

- Do not put, store or leave your device in or near sources of heat, in direct strong sunlight, in a high temperature location, in a pressurized container or in a microwave oven
- When using this device, obey all laws and respect local customs, privacy and legitimate rights of others, including copyrights

SAFETY:

- Handle your device with care
- Keep your product away from any sources of humidity. Do not manipulate your device with wet hands. Any damage done to the device due to its contact with water voids your warranty
- Do not use or store your device in dusty or dirty areas
- Do not use or store your device in extreme temperatures

Environmental requirements:

- Operating temperature: 32° to 95° F (0° to 35° C)
- Nonoperating temperature: 4° to 113° F (-20° to 45° C)
- Do not drop, knock, or shake the device. Rough handling can break it
- Do not paint your device. Paint can prevent proper operation

Driving and walking safely

- You are responsible for knowing and obeying the laws and regulations regarding the use of wireless devices in the areas where you drive
- Ensure that your device and its accessories do not block any air bags or other security devices fitted in your car
- Do not use your device while walking or engaging in any activity that requires your full attention
- Avoid interference with other electronic products

- Keep the device away from magnets or magnetic fields
- Your device radiates radio frequency (RF) signals that could interfere with the functioning of other electronic devices, such as pacemakers, hearing aids, or medical devices. Contact the manufacturer of the equipment to resolve any possible interference problems

Small children

Keep your device and its accessories out of the reach of small children. Small parts may cause choking or serious injury if swallowed

Repair

Only Clevetura LTD certified technicians are qualified to repair your device. In calling upon nonqualified persons to repair your product, you run the risk of damaging your device and voiding your warranty

Use only accessories that are Clevetura branded or certified by the manufacturer. The use of incompatible accessories with the device, such as cables, batteries and charger, can cause injury or damage your device

Battery and charger caution

This device is equipped with a Lithium-ion polymer battery. The built-in battery **can't be changed easily by the end user**

- There is a risk of explosion if the battery is replaced by an incorrect type
- Do not pierce, open, disassemble the battery, or use it in a humid and/or corrosive environment. If a battery leaks, do not let liquid touch skin or eyes. If this happens, immediately flush the affected areas with water and seek medical help

- Do not expose the battery to temperatures over 45°C (113°F)
- Do not dispose of batteries in a fire as they may explode. Obey local regulations. Recycle when possible
- Be careful to never crush or perforate the battery. Avoid exposing the battery to high external pressure which could provoke an internal short-circuit and overheating

Disposal and recycling

This product contains substances that are potentially dangerous to the environment and to human health

Your product contains a battery pack you should only dispose of in a designated collection point for used batteries

Therefore, you should hand it over to the applicable collection point for the recycling

15. FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

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.