

X+ VickyBoard Tutorial

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Thank you for purchasing our product. Please read this user manual carefully before you start.

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Tutorial Links:

XPLUS VickyBoard configurator link: <https://bit.ly/XPLUSErgo-Vconfig>

QMK Tutorial (English): <https://keyboardlab.club/en/wiki/>

Keymap Setting

The Ergo-V (VickyBoard) series firmware update only requires the above website URL and the keyboard. It does NOT require any software installation! The steps are below:

Enter DFU, and the keyboard will be recognized as a USB flash drive
Use Browser to access keyboard configuration to configure the keys
Download and update the keyboard configuration file

1. Enter DFU

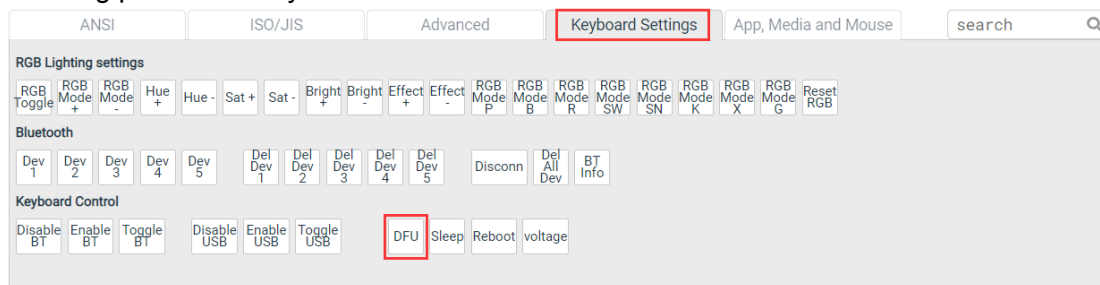
There are two options for getting into DFU:

Option A:

Turn off the battery switch. Switch to the left to turn keyboard off.
Hold the Esc key and plug in the USB cable

Option B:

Assign DFU keys in advance. The DFU key is in the keyboard setting page. As in following picture:dfu key



Plug in the USB cable and press the set DFU button.

If you don't plug in USB cable, pressing the DFU button won't do anything

At this point, the keyboard is recognized as a USB flash drive. And the light in the upper left corner should light up.

Note: DFU does not have an exit key. It automatically exits and restarts the keyboard

after copying the configuration file or firmware file. Otherwise, the USB cable can be unplugged to force the exit (in case the battery switch is off).

2. Configure the keys

This site provides a graphical key configuration tool, using the browser to access keyboard configuration, to configure the keys. And follow the below steps:

Step 1: Once the DFU keyboard is recognized as a USB drive, open the USB drive and you will see a CONFIG.HTM file.

Step 2: Double click this file. You are directed to the configuration website. The website loads the existing keyboard configurations on which you can modify your configurations further.

Also note that you can click on the "Reset" button on the upper right of the configuration interface to load the default configuration. The default configuration has originally designed layers and function key design. You can also choose to modify based on this configuration.

3. Update keyboard configuration

After setting the keys, click the "Download configuration File" button on the interface to download a file named KBCFGNEW.UF2, and copy this file to the USB flash drive.

In some cases, the file name you downloaded may not be KBCFGNEW.UF2. For example, if the file is already in the directory, the newly generated file name will have a suffix. Copy the file.

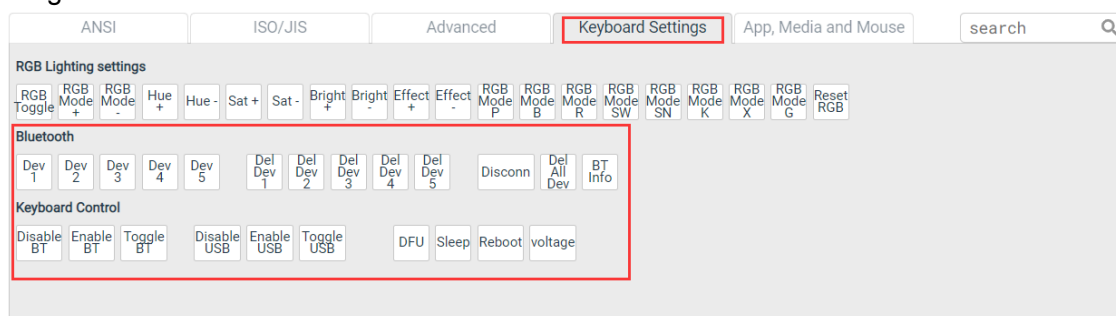
The keyboard will restart immediately after the copy is completed. Now that the keys have been updated.

Bluetooth

The VickyBoard series dual-mode keyboard supports Bluetooth 5.0 and can pair up to five devices. The device pair/switch key can be customized. The keys can be set for each of the five devices

1. Key Setting

In the Keymap Setting section, it covers the basic methods for setting up the keys. The Bluetooth-related keys are on the Keyboard Settings page of the keymap page. See the image below:



Bluetooth-related keys functions :

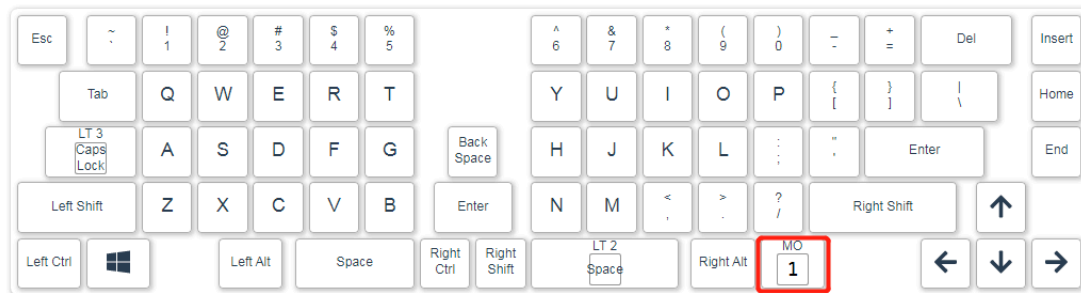
Buttons	Function
Dev 1-5	Pair/connect device
Del Dev 1-5	Deletes a paired device

Buttons	Function
Del All Dev	Deletes all paired devices
Disconnect	Turns off the Bluetooth broadcast and disconnects the device
BT Info	Output the current Bluetooth connection status by typing automatically
Disable BT	Disable Bluetooth (Will not communicate keystrokes to the Bluetooth-connected host, does not turn off the Bluetooth connection)
Enable BT	Enable Bluetooth (as opposed to the aforementioned Disable Bluetooth)
Toggle BT	Toggle Bluetooth Enable/Disable

In the default key configuration, the bluetooth control keys are set in layer 1:



The default button to switch to layer 1 is on the right side of the left arrow key:



So by default, press 'MO(1)+1' to match device 1.

You can also redefine the key's position.

2. Pairing and Switching

After you set the pairing button, press which key you want to pair (connect) to the device.

The first time you pair a device, search for "XPlus ErgoV" on the device you want to connect with.

Indicator lights 1-5 (the light below the QWERT) will indicate the pairing status:

After pressing the pairing button, the corresponding indicator light will light up. For example, press the "device 1" key, and the light under the 1 key will come up. The lights will go off when the device is connected. If the connection is timed out, the lights will go off.

3. Delete paired devices

Once you've set the delete device button, press the key corresponding to the device you want to delete.

If you are connecting to this device, it will disconnect.

You can also press FN+Delete Key

4. Other Function

1. Automatic connection

When the keyboard wakes up from sleep, if no USB cable is plugged in, it will automatically try to connect to the device successfully connected before entering the sleep.

If you delete all paired devices, or press the "Disconnect" key to sleep without connecting devices, the keyboard will not automatically connect devices when it starts up.

2. Output Bluetooth information

You can assign a Bluetooth information button. When pressed, the current Bluetooth connection status will be output by automatic typing.

You can assign a Bluetooth information button. When pressed, the current Bluetooth connection status will be output by automatic typing.

Output	Implication
noconn	No device is currently connected. The output can only be done when the USB is connected.
dev1 — dev5	The device number of the currently connected device
(dev1) — (dev5)	The device number of the currently connected device, but in the deactivated state, that is, the Stop "Bluetooth key" is pressed. The output is only available when the USB is connected.

3. Disable/enable/toggle Bluetooth

There are three bluetooth related keys: Disable bluetooth, enable Bluetooth, and toggle Bluetooth. Disable Bluetooth allows you to stop sending keystroke data to a connected device with bluetooth connectivity.

Similarly, there is a set of USB deactivate/enable/toggle keys, similar to this function, except that you control the USB data output.

One scenarios is: the USB connection and the bluetooth are connected to the same computer at the same time, you can disable the Bluetooth, only using the USB connection, otherwise the Bluetooth and the wired will pass the keystroke data.

Or: when connected by USB to one computer and bluetooth to another at the same time, you need to switch between Bluetooth and USB to control the input between the two machines. Otherwise, pressing a key will transmit to both computers simultaneously. Note that this disable state is not persisted and the keyboard is restored to an enabled state when it is restarted from sleep mode

Power and Sleep

1. Battery

1.1. Switch

There is a switch under space key. This is the battery switch, which turns off all power consumption after it is switched off. Switch to the left to turn keyboard off.

1.2. Charging

Charging indicator is under the Esc key, it turn white when the keyboard is in the

charging mode and goes out when charging is complete.

1.3. Power display

The keyboard reports power to the operating system. Some operating systems come with bluetooth power displays, and some third-party software can read the power output.

You can also assign a "battery voltage" button that will automatically display the battery voltage. The Battery Voltage key is in the Keyboard Settings page of the key map.

2. Sleep

When the keyboard is asleep, the current is reduced to less than 2uA to save power. The keyboard will not enter sleep mode with the USB cable plugged in.

2.1. Auto sleep

Automatically sleep after about 3 minutes without connecting to any device.

If the devices have been connected, the keyboard will go to sleep after 20 minutes without keyboard interaction.

After automatic sleep, press any key to wake up the keyboard.

2.2. Manually sleeping

You can also assign a "sleep" button. Press down the sleep button to enter sleep. Press the G key to wake up. The Sleep key is in the Keyboard Settings page of the key map.

Macro

The macro function can automatically simulate pressing the keys on the keyboard continuously. Here is a brief description of the Crystal series of keyboard configuration macro operation methods.

Configuring macros is a two-step process:

Set Macro Content
Assigns Macro Keys

1. Setting the macro

The basic steps of setting macro

Add macro
Add macro steps
Set macro steps

1.1. To add or delete macros

On the Macro Settings page, click "Add a New Macro", the settings area for a new macro will appear on the screen, and this Macro Number will show up on the far left. You can add up to 32 macros with numbers ranging from 0 to 31. To delete this macro, click the "Delete" key on the right of the macro settings area.

1.2. To add "macro steps"

A macro consists of a series of "macro steps". In the macro setting area, the operation content of the macro step is represented by the shape of a key. Macro steps can be of many types, and represent the type of keystroke action being simulated. Including:

Type	Meaning
Tap	Press a key. Pressing a key and then lifting it immediately
Key Down	Pressing a key does not lift
Key Up	Lift the key
Delay	The delay is a period of time, in milliseconds
String	Enter a paragraph of text or symbols. Because the macro only simulates a keyboard press, the string here cannot be Chinese, only half-angle letters or symbols.

1.3. Set "Macro steps"

1.3.1. Setting "Macro steps"

To set the content of the macro step, click the box in step key with the mouse first, and the edge of the box will be highlighted. Then: - To create a macro steps of "Tap", "Key Down", "Key Up", there are two ways to set the desired button: * Press the keys directly on the keyboard * Click the keys on the virtual keyboard at the bottom of the screen - For a "delay" type macro step, enter the number of milliseconds delay directly into the prompt box. - For a "string" type macro step, enter the string directly into the prompt box.

1.3.2. Sort "macro steps"

To move a macro step key to a new position, hold down the macro step key with the mouse and drag it over another macro step key.

1.3.3. Delete "Macro steps"

Move your mouse over the macro step key, and a small "X" will appear in the upper right corner, which can be clicked to delete the macro step key.

2.Allocation of a macro key

In the key Settings screen, the keys that execute the macro are at the bottom of the "Expansions" page.

Assigns a macro key to a key on the keyboard

Enter the number of the macro in the box in the middle of the macro key. The number of the macros can be seen in the preceding 1.1. To add or delete macros

Now, we have finished setting macros. You can use macros to update your keyboard configuration by following the Update Keyboard configuration instructions in the "Keymap Setting" section.