

# ANNE PRO 2 UserManual V1.1

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## **ANNE PRO 2 UserManual V1.1**

### ANNE PRO 2

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### Changelog

# ANNE PRO 2

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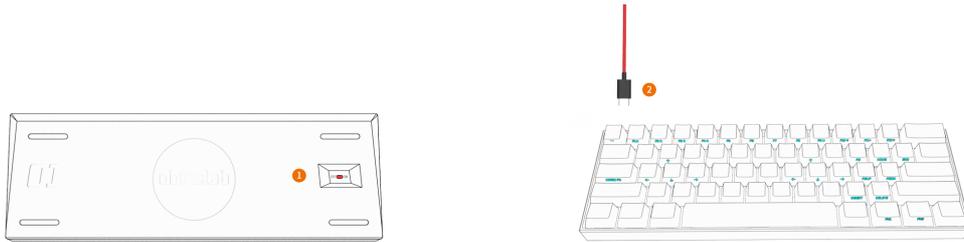
The ANNE PRO 2 is a "60%" mechanical keyboard that is equipped with RGB LED lighting, Bluetooth connectivity and a built-in battery.

The ANNE 2 PRO is smart and it saves on desk space.

Its compact 61-key layout can be used like a standard 104-key board thanks to key combinations that function by default and /or are programmable via software.

## 1. Connect your Anne Pro 2

### 1.1 Connect via USB Cable



Steps:

1. Set the (Bluetooth) switch on the back of the keyboard to the OFF position.
2. Connect the keyboard to your computer using the supplied (USB-C to USB) cable.

### 1.2 Connect via Bluetooth

1. Set the (Bluetooth) switch on the back of the keyboard to the ON position.
2. Refer to Chapter 4 for connection procedure.

## 2. Basic Function

The key marked **FN** is referred to as **FN1** in your Quick Start Guide, in the software and elsewhere.

The key to the right of **FN1** on your keyboard (3 horizontal bars) is designated **FN2**.

The **CapsLock** key can be programmed to act as an additional **FN1** or **FN2** key via software.

### 2.1 Function Keys (F1 to F12)

Your ANNE PRO 2 provides access to Function Keys via the following key combinations (using the **FN** key at the bottom right of the keyboard)



$$\text{F1} = \text{FN1} + 1$$

$$\text{F2} = \text{FN1} + 2$$

$$\text{F3} = \text{FN1} + 3$$

$$\text{F4} = \text{FN1} + 4$$

$$\text{F5} = \text{FN1} + 5$$

$$\text{F6} = \text{FN1} + 6$$

$$\text{F7} = \text{FN1} + 7$$

$$\text{F8} = \text{FN1} + 8$$

$$\text{F9} = \text{FN1} + 9$$

$$\text{F10} = \text{FN1} + 0$$

$$\text{F11} = \text{FN1} + -$$

$$\text{F12} = \text{FN1} + +$$

### 2.2 Direction Keys

ANNE PRO 2 provide two groups of direction keys



$$\text{FN1} + \text{W} = \uparrow$$

$$\text{FN1} + \text{A} = \leftarrow$$

$$\text{FN1} + \text{I} = \uparrow$$

$$\text{FN1} + \text{J} = \leftarrow$$

FN1 + S = ↓

FN1 + K = ↓

FN1 + D = →

FN1 + L = →

## 2.3 Other Keys



FN1 + O = SCROLL LOCK

FN1 + P = PAUSE BREAK

FN1 + | = PRINT SCREEN

FN1 + :; = PAGE UP

FN1 + ' = PAGE DOWN

FN1 + .> = INSERT

FN1 + /? = DELETE

FN1 + [{ = HOME

FN1 + ]} = END

## 2.4 TAP Layout



Your ANNE PRO 2 provides you with a third set of (non-repeating) direction keys via the "TAP" function (which is controlled via the software).

This allows you to tap `Right Shift` for `↑`, `FN1` for `←`, `FN2` for `↓` and `Right Control` for `→`. (You may assign other functions to your TAP keys via the software. See the "TAP" layer in the "Layout" section for your keyboard.)

## 2.5 Magic Fn



Magic FN allows your  `CapsLock`  key to act as  `FN1`  or  `FN2` . To enable this function, please see section 2.2 of this manual.

## 3. Light Control

Your ANNE PRO 2 allows you to preset a variety of lighting effects.

Please refer to the ObinsKit software to see the options.



`FN2`  +  `9`  = Toggle preset lighting effects (see software for custom settings)

`FN2`  +  `0`  = Turn lighting ON / OFF

`FN2`  +  `-`  = Reduce brightness

`FN2`  +  `+`  = Increase brightness

## 4. Bluetooth Setup

Before proceeding, make sure the switch under your keyboard is set to ON.



### 4.1 Turn on Bluetooth broadcast

To function wirelessly, your ANNE PRO 2 must be paired with a host that is equipped with Bluetooth (computer, phone, tablet, etc.).

You may program the keyboard to connect with up to 4 hosts.

**FN2** + **1** (5 Seconds) = Turn on Bluetooth broadcast on position 1

**FN2** + **2** (5 Seconds) = Turn on Bluetooth broadcast on position 2

**FN2** + **3** (5 Seconds) = Turn on Bluetooth broadcast on position 3

**FN2** + **4** (5 Seconds) = Turn on Bluetooth broadcast on position 4

### 4.2 Switch Host

Connect or switch ANNE PRO 2 to a paired host

**FN2** + **1** = Switch to host saved on position 1

**FN2** + **2** = Switch to host saved on position 2

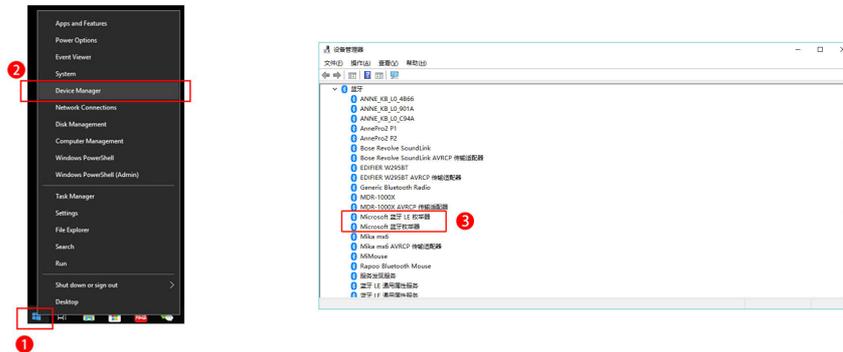
**FN2** + **3** = Switch to host saved on position 3

**FN2** + **4** = Switch to host saved on position 4

## 4.3 Bluetooth pairing with Windows 8/10

### 4.3.1 Make sure your computer or other device supports Bluetooth Low Energy (BLE).

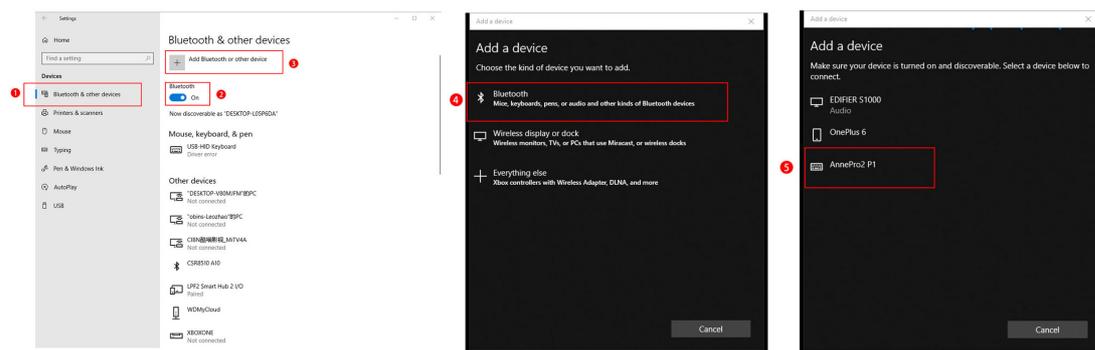
If your device does not support BLE, please purchase an adapter that supports BLE 4.0.



How to check for BLE compatibility (in Windows)

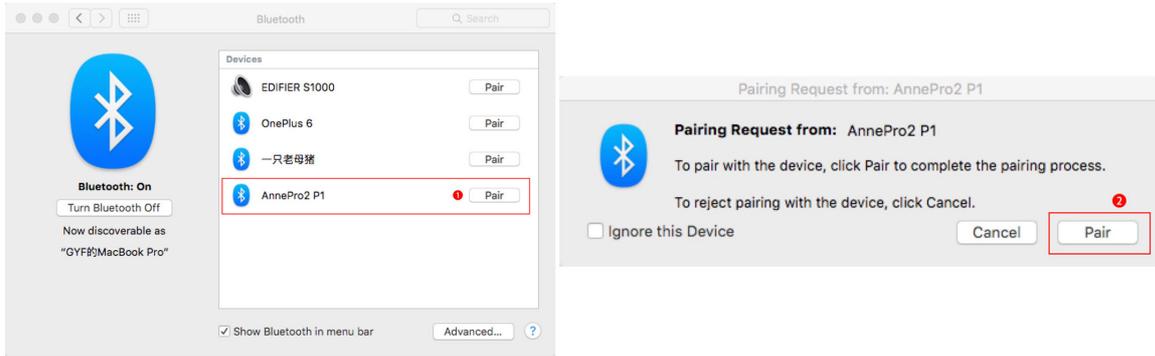
1. Right click on the **windows** icon at the bottom left of your desktop
2. Select **Device Manager**
3. If you see **Microsoft Bluetooth Enumerator** in the list of devices in the window, your computer supports BLE. Otherwise, you require an adapter that supports BLE 4.0.

### 4.3.2 Pair your Windows computer to function wirelessly with your ANNE PRO 2



1. Right click on the **windows** icon at the bottom left of your desktop - select **Settings** - select **Devices** - select **Bluetooth & other devices**
2. Turn Bluetooth ON
3. Click **Add Bluetooth or other device**
4. Click **Bluetooth**
5. Select AnnePro2 - wait 5 to 10 seconds for the binding / pairing to complete

## 4.4 Bluetooth pairing with Mac OS X



1. Open Bluetooth setting window, click `pair` button to pair with AnnePro2
2. Click `pair` on pairing request window

## 5. Technical Parameters

Item	Parameters
Wired	USB (Windows 7/8/10、 Mac、 Linux)
Wireless	Bluetooth LE 4.0 (Windows 8/10、 Mac、 Linux)
Size	97 * 284 * 40mm
Weight	635g
Battery	1900mAh
USB Input Voltage	5V DC
USB Working Current	500mA Max
Screw	Torx T5 M2*9.5mm

# ObinsKit

ObinsKit is a PC tool for ANNE PRO 2

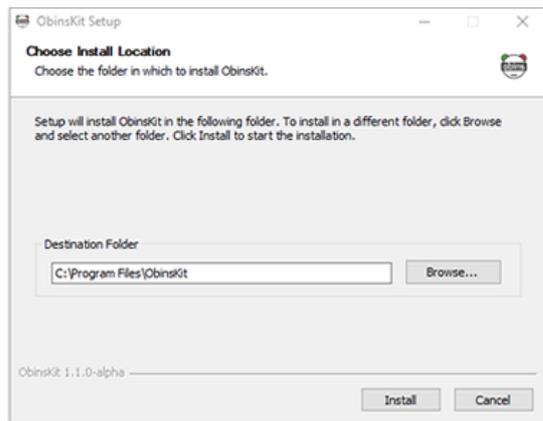
## 1. Getting Started

### 1.1 Supported Platforms

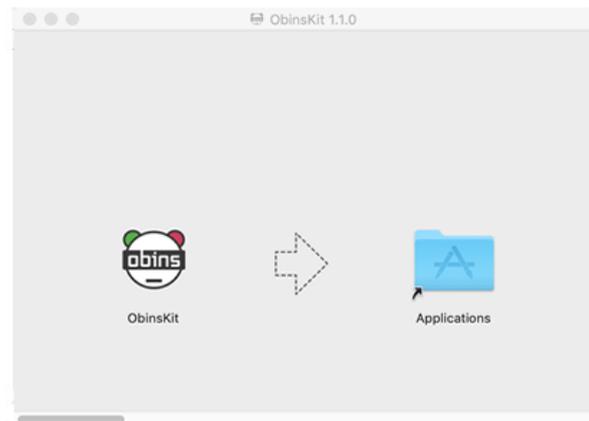
System	32bit	64bit
Windows 7	√	√
Windows 8	√	√
Windows 10	√	√
Mac OS X	-	√
Debian,Ubuntu;Red Hat, Fedora	-	√

### 1.2 Installation

1. Download the installation package: <http://www.obins.net/occ/>
2. Install



Windows



Mac OS X

### 1.3 Start Up

The function of macro record need a special authorization, and some anti-virus software may block it, please choose trust it.

**Tips:** Please always download **ObinsKit** from <http://www.obins.net/occ/>, we can not guarantee the security of software downloaded from other channels.

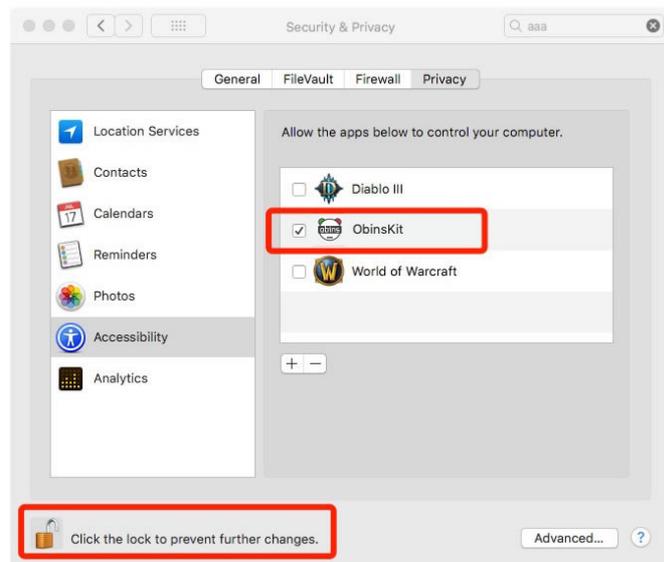
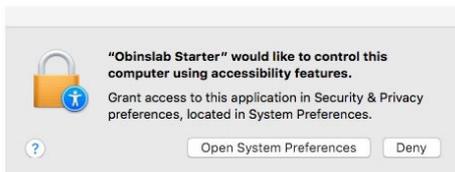
## Windows

Click the shortcut on the desktop



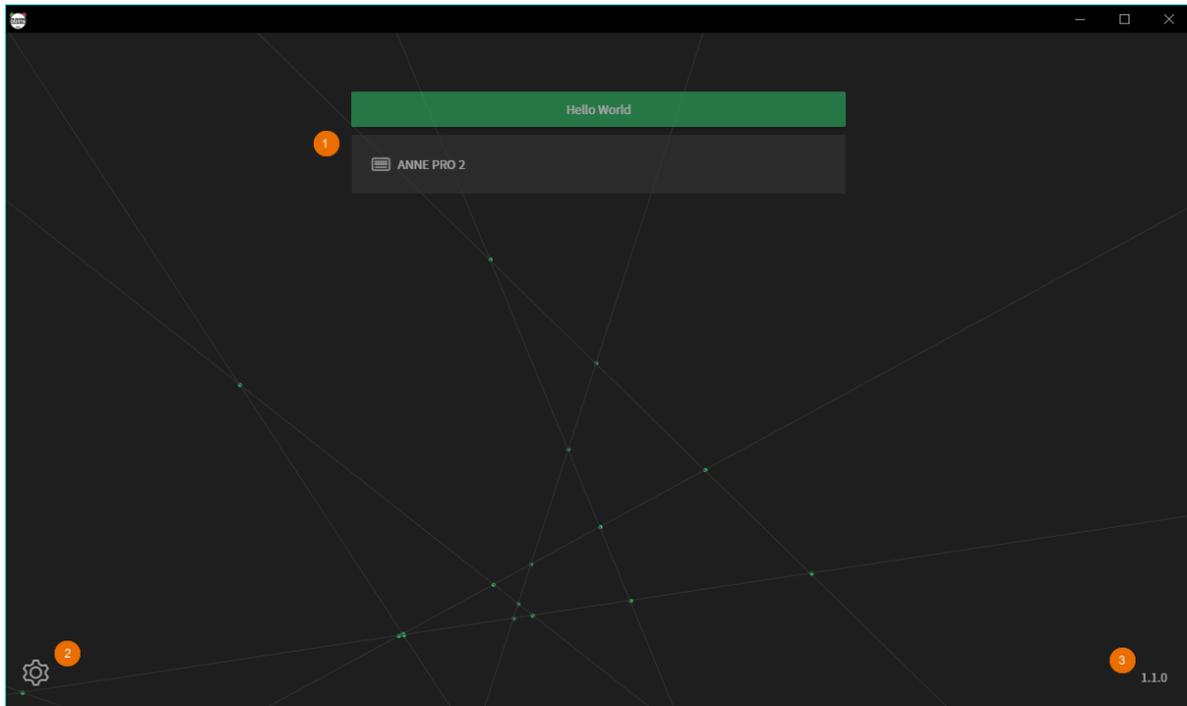
## Mac OS X

The first time launch ObinsKit, you will see the alert below, please authorize ObinsKit by clicking **Open System Preferences** in the alert, then selecting the checkbox for ObinsKit in the **Privacy** pane.



## 2. Quick Guide

### 2.1 Device List



#### 1. Device List

Devices connected over USB cable.

Click **Hello World** to refresh device list(This usually does not need).

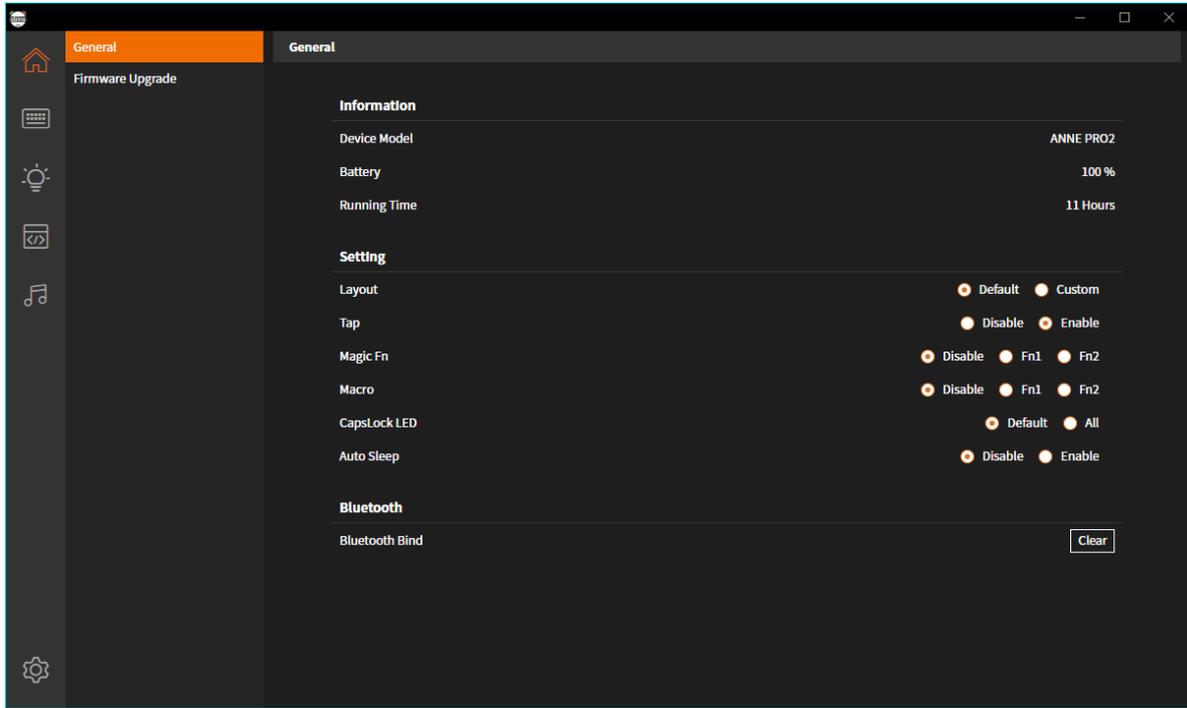
#### 2. Preferences

- Setting
- Update
- Help
- About

#### 3. Software Version

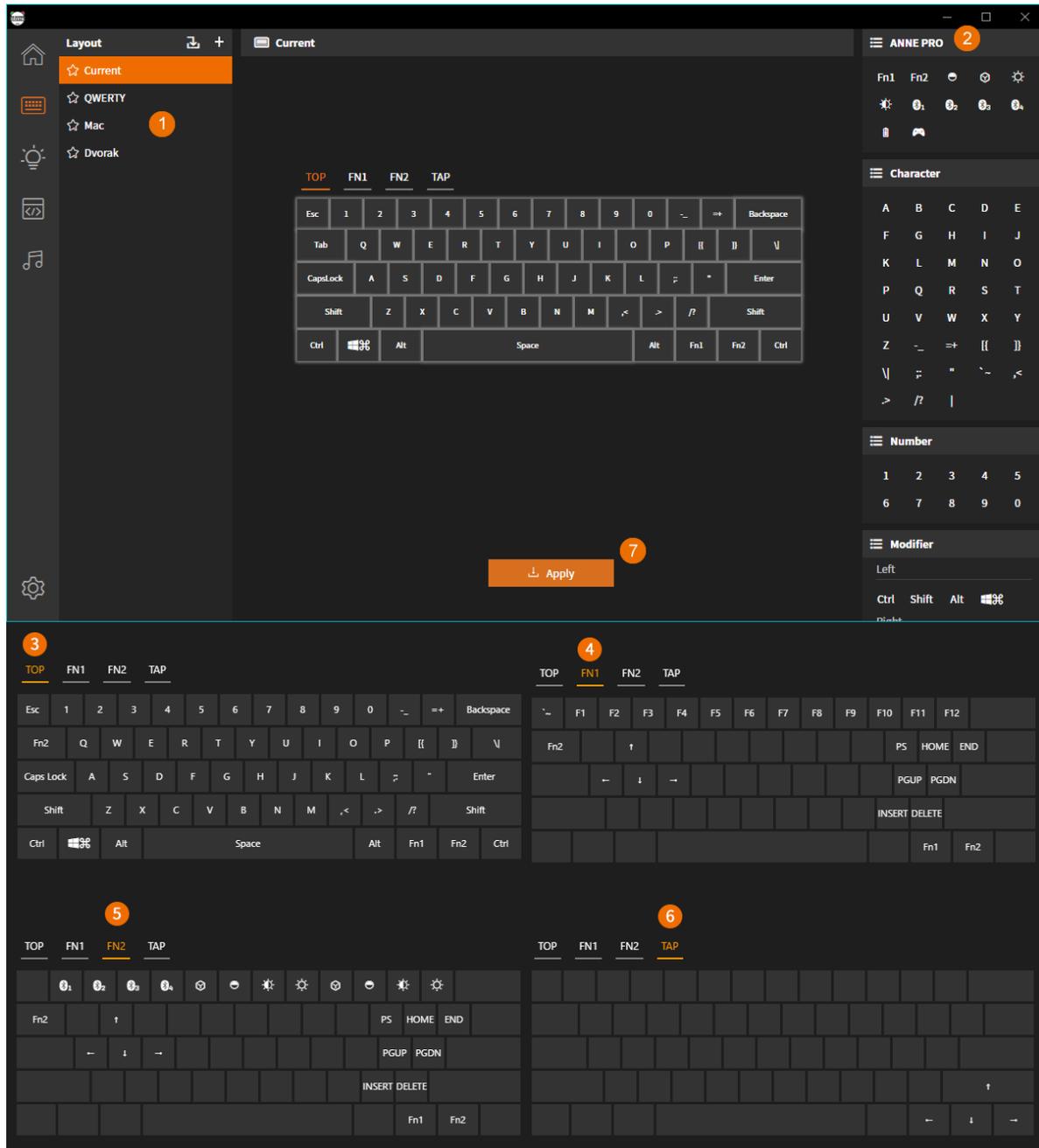
The current version of ObinsKit

## 2.2 Keyboard Setting



Title	Description
Battery	Battery indicator
Running Time	Keyboard running time statistics
Layout	Default: Default keyboard layout; User: User customized keyboard layout
Tap	Switch for the function of TAP layout
Magic Fn	Magic FN allows your <input type="text" value="CapsLock"/> key to act as <input type="text" value="FN1"/> or <input type="text" value="FN2"/>
Macro	Setting a key to trigger a Macro
CapsLock Led	All: If CapsLock on, led of all keycaps will on
Auto Sleep	In wireless mode, no any operation in 1 minute, the keyboard go to sleep
Bluetooth Bind	Clear Bluetooth bound info saved on keyboard

## 2.3 Layout Setting



### 1. Layout

Current: Layout read from keyboard. Qwerty, Mac, Dvorak: Preset layout.

- Click on icon **+** to add a new layout
- Right click on **Current** to **Copy**
- Right click on preset layout to **Copy/Recover**(set to default)
- Right click on user layout(added/copied) to **Copy/Delete/Rename**
- Double click on user layout to **Rename**(Enter for save, Esc for cancel)

### 2. Key code table

Here list HID Key Code and ANNE PRO 2 special function keys

### 3. TOP

The default layout, tap to trigger

### 4. FN1

Hold Fn1 to trigger

## 5. **FN2**

Hold Fn2 to trigger

## 6. **TAP**

Usually set key code on modifier key to extend it.

To use TAP, non't forget to enable TAP option at keyboard setting page

## 7. **Download**

Download the selected layout to keyboard.

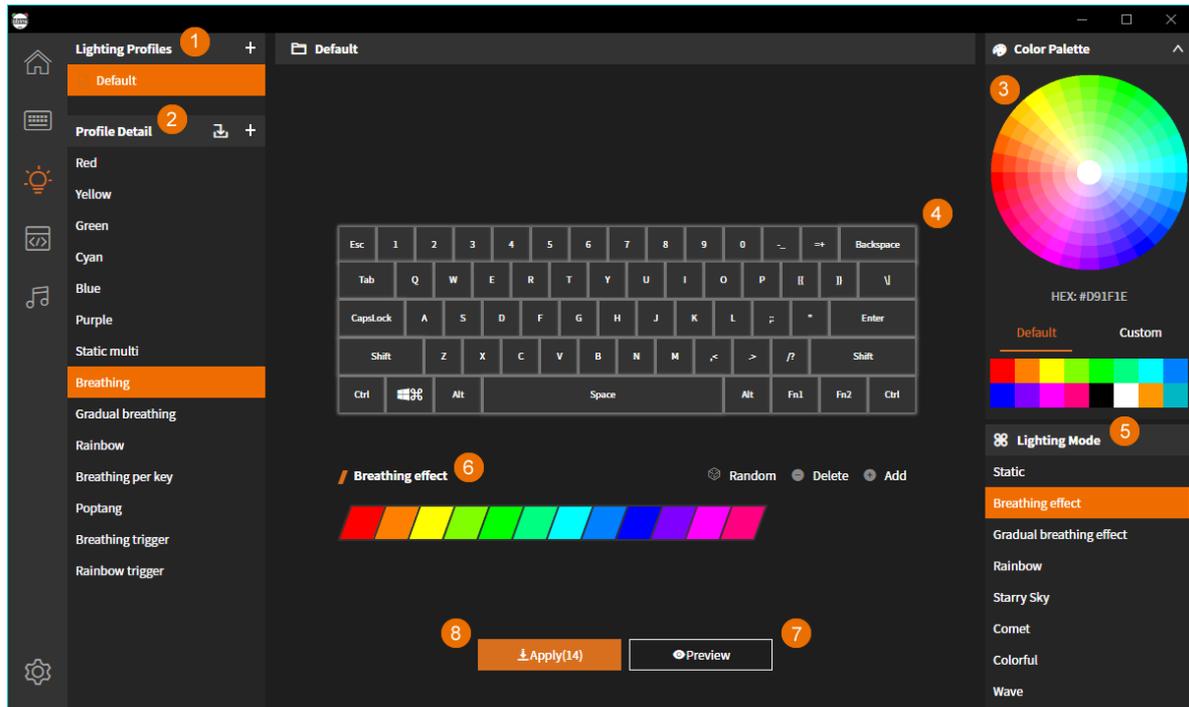
If layout is seated to "Default", download a layout will rewrite it to "User" automatically

ANNE PRO 2 have four layers, they are TOP、FN1、FN2、TAP.

There are two ways to update keycode:

- Drag the selected keycap, and drop on another keycap
- Select a keycap, choose new from **Key code table**

## 2.4 Light Setting



### 1. Lighting Profiles

- Click on icon **+** to add lighting profiles
- Right click on **custom** lighting profile to **Delete /Rename /Copy**
- Right click on the **Default** lighting profile to **Copy / Recover**(set to default)

### 2. Profile Detail

- Click on icon **+** to add light effect(Limited to max 16)
- Click on light effect to **Rename / Copy / Delete**
- Right click on blank space to **Paste** the light effect copied
- Drag the light effect to sort

### 3. Color Palette

- Pick color on the color wheel
- Pick color from **Default/Custom** color block
- Right click on custom color block to save the current color

### 4. Setting Static Light

Setting static single or static multiple light effect:

- Select single/multiple keycap, and then pick a color on **Color Palette**
- Click on blank space to clear selected keycaps

### 5. Lighting Mode

- Static: Static light effect, RGB backlights on every keycap can be defined
- Breath, Breath grad and so on

### 6. Dynamic Light Color Table

Setting color for dynamic light effect

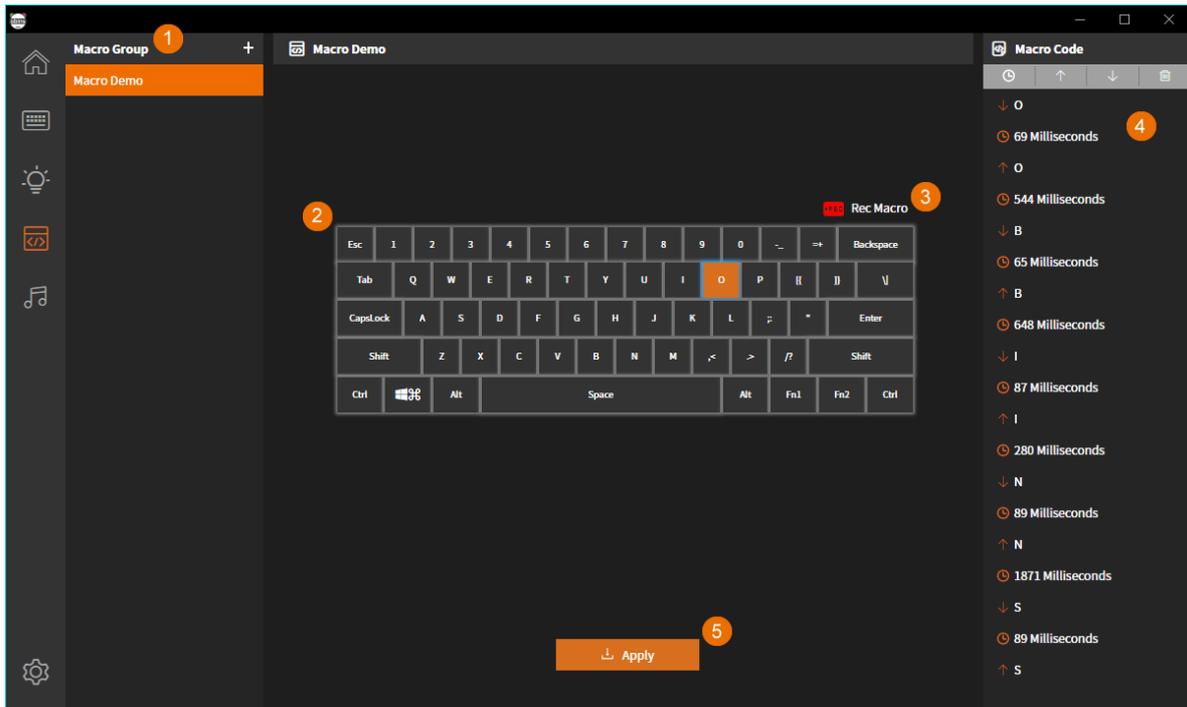
### 7. Preview

Preview the selected light effect on keyboard

### 8. Apply

Apply all the light effects listed in the selected lighting profile to keyboard

## 2.5 Macro Setting



### 1. Macro Group

- Click on icon **+** to add macro group
- Right click on macro group to **Remane/Copy/Delete**
- Double click on macro group to **Rename**

### 2. Macro Key

Indicate the macro trigger position

- Click on a blank keycap to **Paste/Add** macro(Limited to max 16)
- Click on macro keycap to select a macro
- Right click on macro keycap to **Delete/Copy/Paste**
- Drag on the macro keycap and drop on a blank keycap to update macro trigger position

### 3. Rec Macro

Record a macro, the keycode typed in will show at **Macro code**

### 4. Macro Code

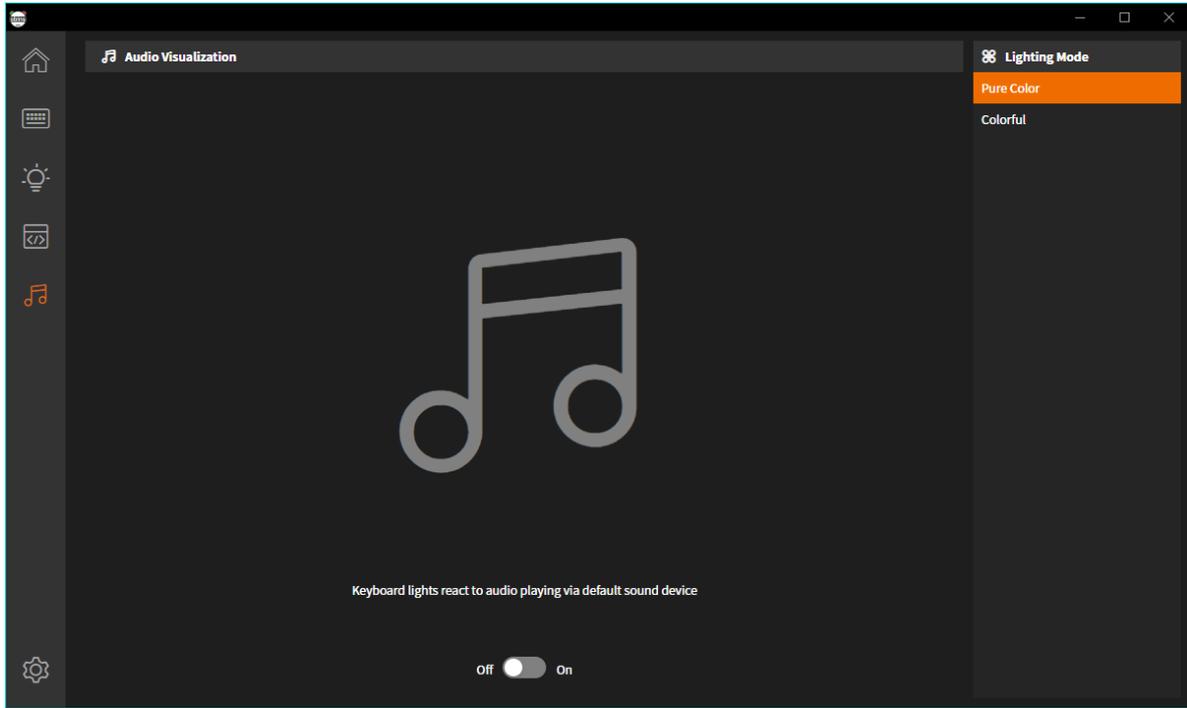
Show the macro code of selected

- Insert time block
- Move up/down the macro code block
- Double click on time block to edit time(Enter for save, Esc for cancel)
- Delete macro code block

### 5. Download

Download the macros listed in the selected macro group to the keyboard

## 2.6 Audio Visualization

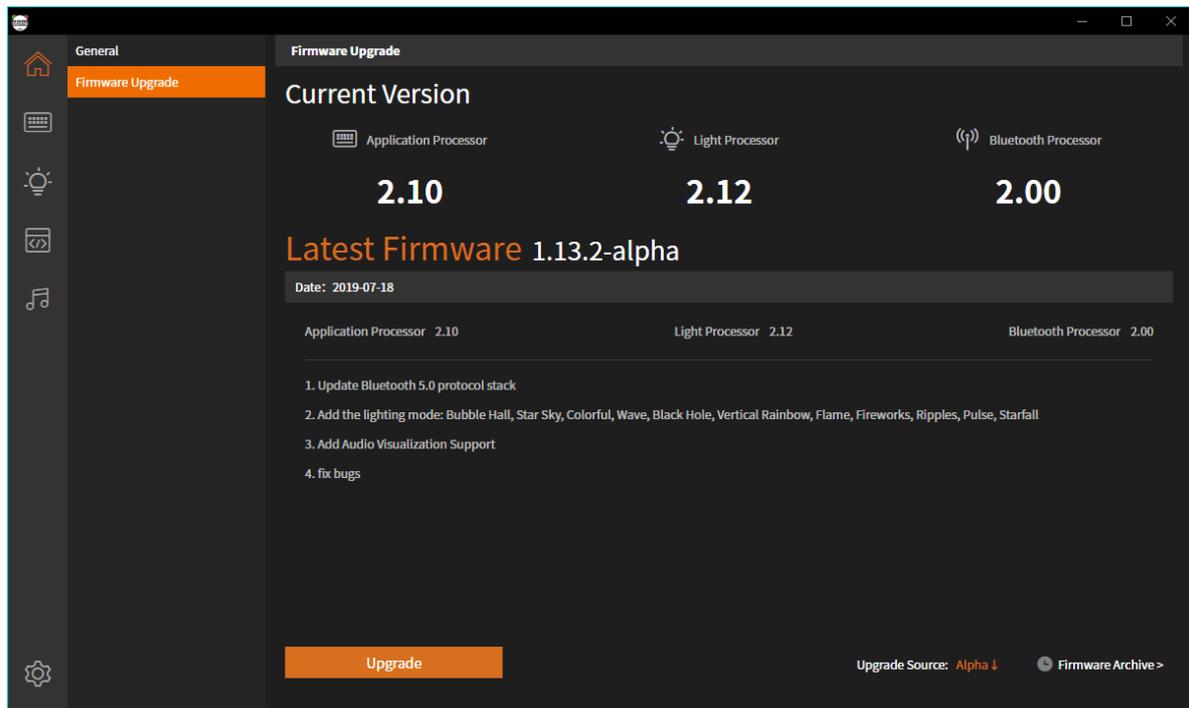


Only for windows and Linux right now.

Keyboard lights react to audio playing via default sound device

# 3 Firmware Upgrade

## 3.1 ANNE PRO 2



In this page, you will get the latest firmware.

For a better experience, we recommend upgrading to the latest.

- **Upgrade to latest**

It's quite simple, just click the "Upgrade" button, what't all.

- **Looking for a experimental firmware**

Click the text next to "Upgrade Source"

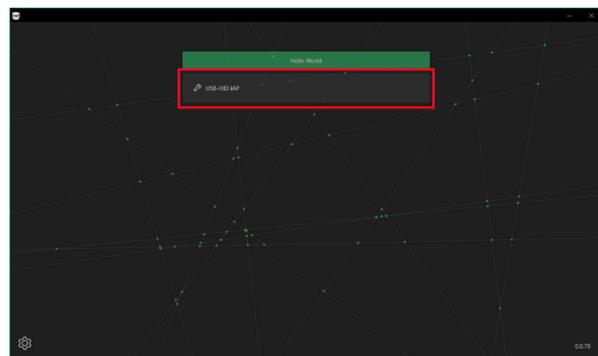
- **Looking for a old firmware**

Click "Firmware Archive" button

- **Abnormal recovery**

If an accident(e.g. power failure, reboot, computer crash, and other unpredictable situations) occurs during the firmware upgrade, the keyboard can't be used.

In this situation, you can use the abnormal recovery mode to recover the keyboard.



1. Turn off the Bluetooth switch on the back of the keyboard
2. Hold on Esc, plug in the USB cable. Release Esc key while "USB-HID IAP" show up on the screen
3. Select "USB-HID IAP" item to upgrade firmware again

### **3.1 ANNE PRO**

Comming soon

# Changelog

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v1.1 date: 2019-07-16

v1.0 date: 2019-04-03