ANNE PRO 2 UserManual V1.0





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ANNE PRO 2

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ANNE PRO 2

ANNE PRO 2 is a 60% size bluetooth RGB mechanical keyboard, it's smart and save the space of the desk. Although it only have 61 keys, it can used like a stand 104 keys keyboard by key combination.

1. Connect

1.1 Connect over USB Cable





Connect Steps:

- 1. Turn off the Bluetooth switch on the back of the keyboard
- 2. Connect your computer with a USB cable

1.2 Connect over Bluetooth

- 1. Turn on the Bluetooth switch on the back of the keyboard
- 2. Operate steps on computer, please refer to Chapter 4

2. Basic Function

2.1 F1~ F12

ANNE PRO 2 provide F1 ~ F12



- F1 = FN1 + 1
- F2 = FN1 + 2
- F3 = FN1 + 3
- F4 = FN1 + 4
- F5 = FN1 + 5
- F6 = FN1 + 6
- F7 = FN1 + 7
- F8 = FN1 + 8
- F9 = FN1 + 9
- F10 = FN1 + 0
- F11 = FN1 + -
- F12 = FN1 + +

2.2 Direction Keys

ANNE PRO 2 provide two groups of direction keys



- $FN1 + W = \uparrow$
- FN1 + A = ←
- FN1 + S = ↓
- FN1 + D = \rightarrow
- FN1 + I = 1
- FN1 + J = ←
- $FN1 + K = \downarrow$
- FN1 + L = \rightarrow

2.3 Other Keys



- FN1 + O = SCROOL 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



For default, ANNE PRO 2 turn the Tap Layout on, and set Right shift for \uparrow , FN1 for \leftarrow , FN2 for \downarrow and Righ Control for \rightarrow . So for example, when click Right shift alone, the function will be \uparrow .

You can completely customize your TAP Layout, or turn it off . Setup guide, please refer to **Layout Setting**

2.5 Magic Fn



Magic Fn can been the copy of FN1 or FN2. By default, Magic Fn is off. To enable it, please refer to the guide of Obinslab Starter at chapter 2.2

3. Light Control

ANNE PRO 2 presets a variety of lighting effects.

To custom your own light effect/ effect group, please refer to the guid of Obinslab Starter



- FN2 + 9 = Switch Light
- FN2 + 0 = Trun Backlight On/Off
- **FN2** + = Reduce Backlight Brightness
- **FN2** + + = Increase Backlight Brightness

4. Setup bluetooth

Before starting the next steps below, please confirm that the Bluetooth switch is at position **On**.

Detail about turn on the Bluetooth switch, please refer to Chapter 1.2



4.1 Turn on Bluetooth broadcast

Connect ANNE PRO 2 to a new host (Computer, Mobile, Pad etc), need Bluetooth pairing. To do this, need turn on Bluetooth broadcast first.

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

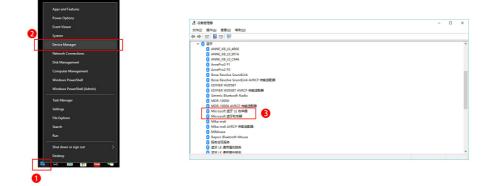
Connect or switch ANNE PRO 2 to a paired host

- 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

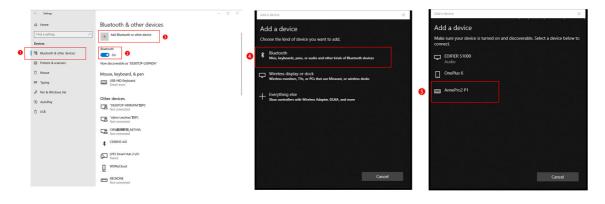
4.3.1 Check if your computer supports BLE

If your computer does not support BLE, please purchase an adapter that supports BLE4.0.



- 1. Right click on the windows icon
- 2. Select Device Manager
- 3. If a MicroSoft Bluetooth Enumerator device is present, it means that the Bluetooth module supports BLE devices. If not, you need to purchase an adapter that supports BLE 4.0

4.3.2 Pair with keyboard



- 1. Right click on the windows icon, select menu Setting
- 2. Select menu Bluetooth & other devices
- 3. Open the Bluethooth switch
- 4. Click Add Bluetooth or other device
- 5. Click Bluetooth
- 6. Select AnnePro2 to pair, wait 5-10s to complete binding

4.4 Bluetooth pairing with Mac OS X

	Devices EDIFIER S1000	Pair	Pairing Request from: AnnePro2 P1
	OnePlus 6	Pair	Pairing Request from: AnnePro2 P1
	😵 一只老母猪	Pair	To pair with the device, click Pair to complete the pairing process.
Bluetooth: On Turn Bluetooth Off	AnnePro2 P1	1 Pair	To reject pairing with the device, click Cancel.
Now discoverable as			Ignore this Device Cancel Pai
"GYF的MacBook Pro"			

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

5. Technical Parameters

ltem	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

ObinsLab Starter

Obinslab Starter is a PC tool for ANNE PRO 2

1. Getting Started

1.1 Supported Platforms

System	32bit	64bit
Windows 7	\checkmark	\checkmark
Windows 8	\checkmark	\checkmark
Windows 10	\checkmark	\checkmark
Mac OS X	-	\checkmark

1.2 Installation

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

Ibinslab Starter Setup	×		Obinslab Starter 1.0	
oose Install Location		×	7項	
noose the folder in which to install Obinslab	Starter.			
tup will install Obinslab Starter in the follow wwse and select another folder. Click Instal	ing folder. To install in a different folder, click I to start the installation.			
estination Folder				_
	Browse	[bbin		A
	Browse	Obinslab S		Applications
	Browse			Applications
estination Folder C: 'Program Files'(Obinslab Starter	Browse			Applications

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 **Obinslab Starter** from <u>http://www.obins.net/obinslab-starter</u>, we can not guarantee the security of software downloaded from other channels.

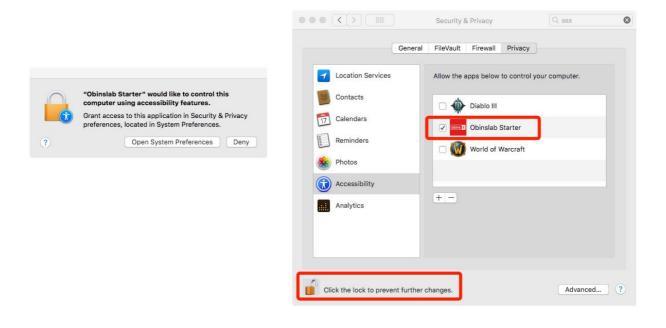
Windows

Click the shortcut on the desktop



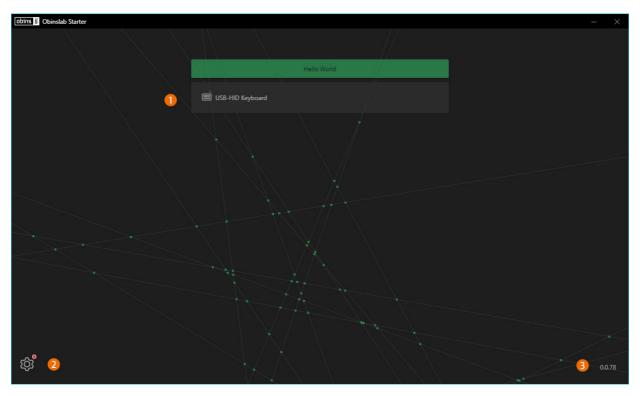
Mac OS X

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



2. Qick 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. Setting

Switch Language Switch Theme Software update

3. Software Version

The current version of Obinslab Starter

2.2 Keyboard Setting

obins §	abins 🛛 Obinslab Starter — 🛛 — 🕹							
合	Basic info	Basic ir	fo					
ப	Firmware update							
			Basic					
		1	Battery		➡ 100%			
.Ğ.		2	Running time		110hours			
Ē								
<>>			Setting					
		3	Layout	🔵 Default 📀	Custom			
		4	Tap	🔵 Disable 📀	Enable			
		5	Magic Caps	🔵 Disable 🏾 🔵 Fn1	• Fn2			
		6	Macro trigger layer	🔵 Disable 🌔 Fn1	● Fn2			
		7	Capslock	Default	o All			
			Bluetooth					
		8	Paired		Clear			
ঠ্য								

Information and general setting for the keyboard

- 1. **Battery:** Battery indicator
- 2. Running Time: Keyboard running time statistics
- 3. Layout

Default: Default keyboard layout

User: User customized keyboard layout

4. **Tap**

Disable: Turn off keyboard TAP layout. Enable: Turn on keyboard TAP layout.

5. Magic Fn

Disable: Turn off Magic Fn Fn1: Set Magic Fn to a copy of Fn1 Fn2: Set Magic Fn to a copy of Fn2

6. **Macro**

Disable: Turn off Macro. Fn1: Set Fn1 to the hold key for trigger a Macro Fn2: Set Fn2 to the hold key for trigger a Macro

7. CapsLock Led

Disable: Set CapsLock Led to default. If CapsLock on, led of CapsLock key will on. All: If CapsLock on, led of all keycaps will on.

8. **Reset Bluetooth:** Clear Bluetooth bound info saved on keyboard.

2.3 Layout Setting

obins 8	Obinslab Starter							– ×
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	රි Mac							
.`ġ́-	업 Dvorak 🚺						🗄 Character	
			TOP FN1 FN2 TAP				A B	C D E
<>>			Esc 1 2 3 4		7 8 9 0 =+	Backspace		ніј
			Fn2 Q W E		υιορ ((B N	KL	M N O
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ТОР	FN1 FN2 TAP			то	0P FN1 FN2 TAP			
Esc				Backspace `~	F1 F2 F3 F4 F5	F6 F7 F8 F9	F10 F11	F12
Fn2	Q W E F	TYU.	J I O P [[.}} ∖\ F	Fn2 t		PS HON	AE END
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Fn2			PS HOME E	ND				
			PGUP PGDN					
			INSERT DELETE					t
				En2				
				Fn2				t 4 -

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

obins §	Obinslab Starter		
俞	Light group 🌖 🕂 +	🔁 Default	😰 Color palette
00	🗀 Default		
	Light list <u>2</u> +		
	Red		
۲Ğ:	Yellow		
	Green		
<>	Cyan	Esc 1 2 3 4 5 6 7 8 9 0 - <u></u> =+ Backspace	3
	Blue	🕘 Tab Q W E R T Y U I O P 👔 🕽 V	HEX: #D91F1E
	Purple	CapsLock A S D F G H J K L 🕫 "Enter	
	Static multi		Defalut Custom
	Breath	Shift Z X C V B N M ,< .> /? Shift	
)	Breath grad	Ctri 태양 Ait Space Ait Fn1 Fn2 Ctri	
	Rainbow		🗄 Dynamic type 🛛
	Breath single	/ Dynamic color 👩 🛛 🔍 🕤	None
			Breath
			Breath grad 🗸
			Rainbow
		8 7	Breath single
ණ		± Download all(11) ● Preview	

1. Light Group

- Click on icon + to add light group
- Right click on **custom** light group item to **Delete /Rename / Copy**
- Right click on the **Default** light group to **Copy** / **Recover**(set to default)

2. Light List

- 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. Dynamic Light Effect

- None: Static light effect, RGB backlights on every keycap can be defined
- Breath/Breath grad/Rainbow/Breath single: Work together on **Dynamic Light Color Table**

6. Dynamic Light Color Table

Setting color for **Dynamic Light Effect**

7. Preview

Preview the selected light effect on keyboard

8. Download All

Download the light effects listed in the selected light group to keyboard

2.5 Macro Setting

obins 🕏	Obinslab Starter		– ×
俞	Macro group 1 +	ගි macro demo	Macro code
	macro demo		⊙ ↑ ↓ 🗎
			↓ A • • • • • • • • • • • • •
			C 116 Milliseconds
Ìġ́-			1 A
		3 💷 Rec macro	C 112 Milliseconds
<۲>		Esc 1 2 3 4 5 6 7 8 9 0 =+ Backspace	↓ S
			152 Milliseconds
		2 Fn2 Q WERTYUIOP [[]]] N	↑ S
		Caps Lock A S D F G H J K L ;: Enter	187 Milliseconds
		Shift Z X C V B N M ,< .> /? Shift	↓ D
		Ctri 🚟 H Alt Space Alt Fn1 Fn2 Ctri	C 155 Milliseconds
			↑ D
			C 481 Milliseconds
			↓ F
			C 75 Milliseconds
			↑ F
		5	
තු		Download	

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

3 Firmware Upgrade

3.1 ANNE PRO 2

obins §	Obinslab Starter			- ×
俞	Basic info	Firmware update		
- CC	Firmware update			
		Application Processor	Light Processor	Bluetooth Processor
		• <u> </u> •	[·]	• <u> </u> •
Ìġ.				
ŗĢ.				
		1.03	1.05	0.11
			Upgrade to latest	
		Firmware List		
		> 1.05		2018-07-29
		> 1.04		2018-07-29
		> 1.03		2018-07-29
		> 1.01		2018-07-29
		> 1.00		2018-07-29
		> 0.12		2018-07-27
-^-				
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In this page, you will get a list of firmware.

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

• Upgrade to latest

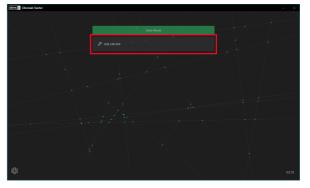
It's quite simple, just click the "Upgrade to Latest" button, what't all.

• 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

• Experimental Features

The features come with its share of annoyances and curiosities.

1. Use text edit software to open user-preference.json, change isDev to true

```
{"theme":"dark", "locale":"en", "isDev":true}
```

The path of user-preference.json ,

on Windows is: %appdata%\Obinslab Starter\storage

on Mac OS X is: /Users/your-user-name/Library/Application Support/Obinslab Starter/storage

2. Open/restart Obinslab Starter

3.1 ANNE PRO

Comming soon