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EPOMAKER 84EC Bluetooth Keyboard User Manual

EPOMAKER

84EC(S) User Manual

Contents

Keyboard Function Illustrate

Special keys Function table

L FN +	ESC	Number Lock	Lock/Unlock the number keyboard and disable it; the Number keyboard is locked and the num lock indicator is off. Press the num lock key can't open the num lock indicator. Disable in program mode; Shutdown doesn't memory.
4. 04 E	ESC	Keyboard Lock	Lock/Unlock the keyboard; lock the keyboard, ESC indicator into the colorful breathing state; Shutdown doesn't memory.
	F8	Adjust trigger point	Adjustable Trigger point (high/low stage) Shutdown doesn't memory. Default in the fit trigger point.
	L-Ctrl	Caps/Ctrl exchange	Press 3 seconds for indicator flash 1 time. Achieve the exchange between "left Ctrl" and "Caps". The shutdown doesn't memory

I R I- \ –	Win		Win Lock	Press 3 seconds for indicator flash 1 time, open Win Key ; indicator flash 2 times, lock Win key.Disable in Mac as Shutdown memory
	L-Alt		Win2Alt	Press 3 seconds for indicator flash 2 times, Match Mac OS(Achieve the exchange between "left Win" and "Left Alt", "Right Alt be a place of Right Win","Menu be a place of Right Alt"). Press 3 seconds for indicator flash I times, match Win OS(key to return), Shutdown memory Note:1.1n wired mode and match Mac OS, that is needed waiting for some time. 2.If you want to open programming software, you need to match to Win OS(indicator flash 1 time), otherwise, you won't be able to open the programming software.
	Q		Unit Time	4 gear to adjust the time required by the mouse cursor to move a cell.respectively, USB:8/6/4/2ms, Bluetooth:12/9/7/5 ins; corresponding indicator flash 1-4 times; Shutdown memory
	R		Unit Pixel	4 gear to adjust the number of pixels required by the
				mouse cursor the move a cell. respectively,2/3/4/5points; corresponding indicator flash 1-4 times; Shutdown memory
	ii		Repeat Rate	4 gear to adjust the speed of key hitting,respectively,x 1,x 2,x4,x 8,corresponding indicator flash 1-4 times;In USB/Bluetooth mode,x I restore normal to send code,response delay adjustment is invalid; Default in the first gear; Shutdown doesn't memory
	1}		Response Delay	3 gear to adjust the keystroke response delay,respectively,500,300,100ms,corresponding . Indicator flash 1-3 times; Default in the first gear; Shutdown doesn't memory
	De l		-M" Key	Press to exchange Office mode and Program mode, "M" Light turned on and off after 1 second in Office mode, and "M" Light turned on and off after 10 seconds at Program mode. Shutdown memory
	App		App Lock	Lock/Unlock App key; Disable in Mac OS; Shutdown doesn't memory.
	I		luminance +	Regulate the luminance of the indicator
	I		luminance –	Regulate the luminance of the indicator
L FN+ + a	R FN	=	Lock right FN	Long press 3 seconds for indicator flash! times to normal , indicator flash 2 times to lock right FN(lock right FN is exchange right FN layer and top layer), indicator flash 3 times to lock left FN(lock left FN is exchange left FN layer and top layer); Be enable in program mode The shutdown doesn't memory, Top layer is no FN layer
	L FN		Lock left FN	

X In program mode the keyboard can be set 2 layers (left FN layer and right FN layer)

USB, PS/2 Interface settings

Press "Left FN /Right FN + Backspace" for 5 seconds, indicator flash 1 time to USB, indicator flash 2 times to auto-identify for USB, PS/2.and restart the keyboard. The
default settings are set to USB.

Clear Key Counter

Press "Left FN+Right FN + Delete" for 5 seconds, the indicator flash, and the key counter will be clear.

Restore factory settings

Press "ESC + L-ctrl + Delete+ Right" for 5 seconds will restore factory settings, and restore factory settings will restart the keyboard.

Keyboard configuration

There are two modes for the keyboard, OFFICE mode, and Custom mode. OFFICE mode is also Standard mode, as for Custom mode, you can make different configurations to the keyboard, the details for how to configure and save under custom mode are below.

※ NOTE Press the "Save" on the main screen to save the configure when the configure be completed.

How to configure the keyboard:

Under OFFICE mode, press the "M" key on the top right corner, and the "M" light turns on, then goes into custom mode. And goes into the OFFICE mode in the opposite way. All keys on the keyboard are divided into no FN layer, left FN layer, and right FN layer, The left/right FN layer can output only when combine with the left/right FN. When finishing the setup of all keys in programming software, to save and synchronize the configuration with keys, single click the "WriteKeys" on the main screen. Single click the "Read configuration" on the main screen, it will read the standard configuration of OFFICE mode when under the OFFICE mode and read the custom configuration under custom mode.

When the "M" light is on, the keyboard is under the custom mode, all the custom functions can be used.
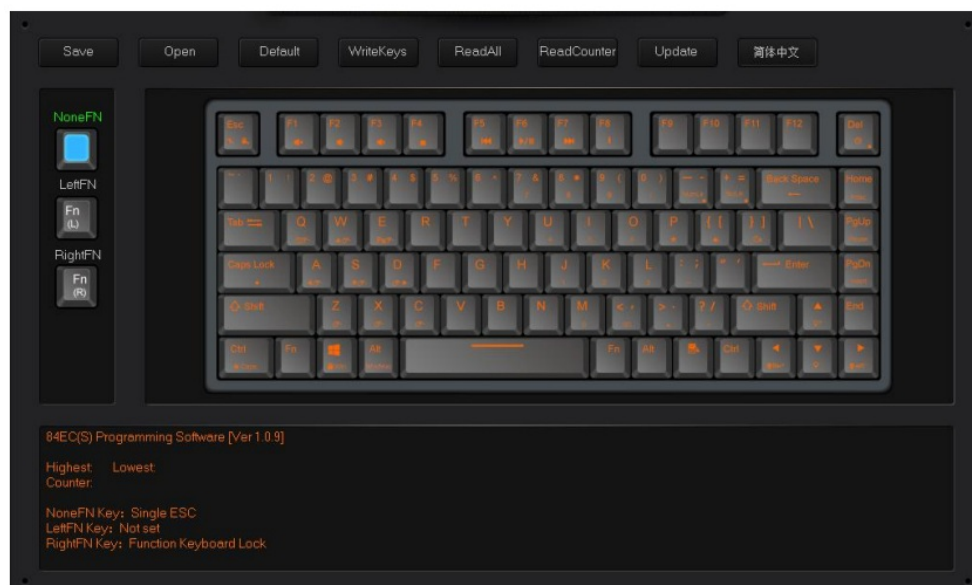
Programming Software Main Interface

2.1 single key/ combine keys

1. With a single click on the key you need to configure, click "Uni/ combo" on the "KeySettings" surface.

2. Choose "Single" or "Combo", single click "Record" to record the keys, combine keys can record six at most.

3. single click "OK".
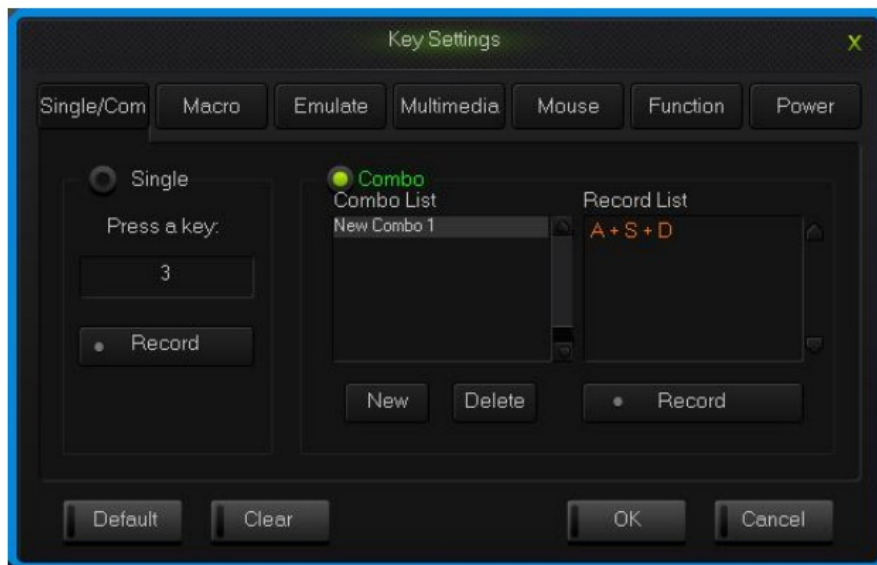
Single/Combo keys surface

2.2 Macro definition
The keyboard can be defined in the overall definition under a custom mode and shows a strong programmable feature.

What is Macro
Macro is the whole series of actions that you can specify the order to the keyboard. Accurately speaking, it's a series of key press and key releases, recording every single time of the key's press, release, and delay. Among these, it can automatically input when delayed, that is all the time between press and release can automatically input.

How to define a macro?

1. Choose the key you need to configure, and click "macro ";
2. Choose "New" on the left side of the appearing window;
3. Choose a new macro, select the style of output, and automatic delay in the macro edit on the right side, then click "Record and", type the keys that need to be defined on the keyboard and click "Stop Rec";
4. Single click "OK".

How to set up a delay
Delay is the time between the press and the release of keys. the keyboard has an automatic delay record and can modify delay time:
Set up automatic delay record: drive automatic records the time that typing actions need;
Modify delay time(50ms-60000ms, 1000ms=1s): after defining a macro, single click the delay time two keys already have, then the delay time will become to be editable and edit the delay time .sigle click the other area of the record list to exit the editable status.

How to insert mouse and delay
After recording a macro, right-click the key in the edit list, choose to operate insert mouse and delay.
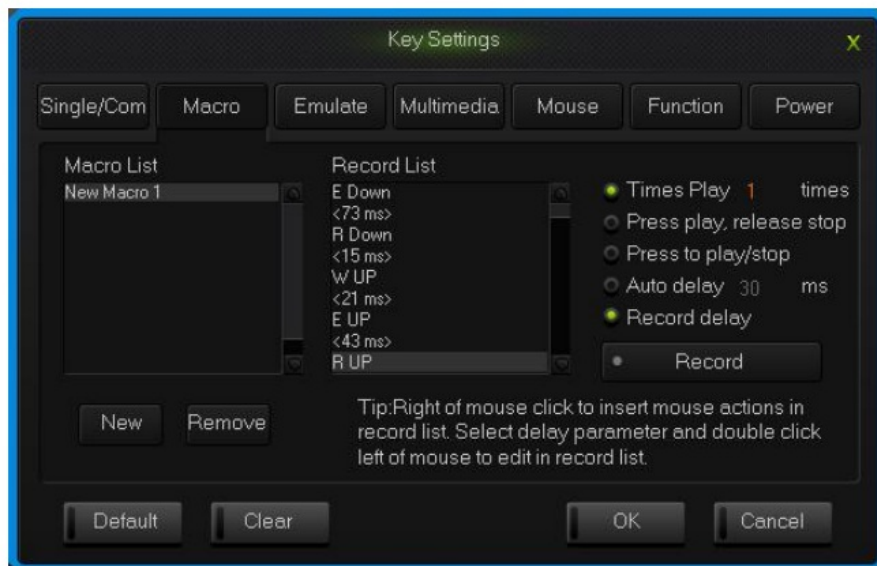
Macro definition key interface

2.3 Simulate keystroke
What is simulating keystroke?
Simulate keystroke is the function that after you click the simulate key, the keyboard will simulate the keystroke at a fast speed, it ends when the key bounce, and it can also set up the speed of the keystroke.

How to set up a simulated keystroke?

1. Single click the key you need to configure, click "keystroke" in the "keys set up panel";
2. Choose "New" in the left side of the appearing window;
3. Choose a new-built keystroke, set up the keystroke time in the edit list on the right side, single click "Record", type in the keys that need define, then click "Stop Rec", simulate keystroke can record six at most;
4. Single click "OK".
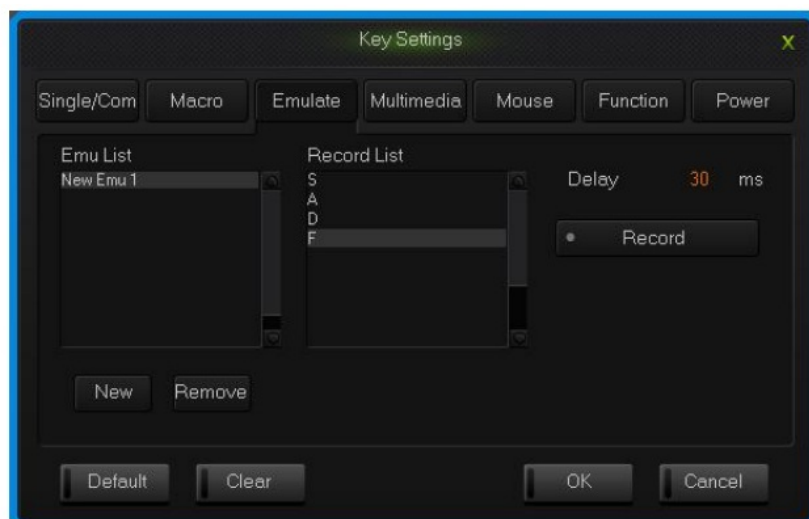
simulate key stroke interface

2.4 Multi-Media
The keyboard supports the usual function of multi-media, and custom multi-media simplifies the layout of the keyboard.

1. Single click the key you need to configure, single click "Multimedia";

2. Choose custom multi-media in the multi-media interface, then click "OK".
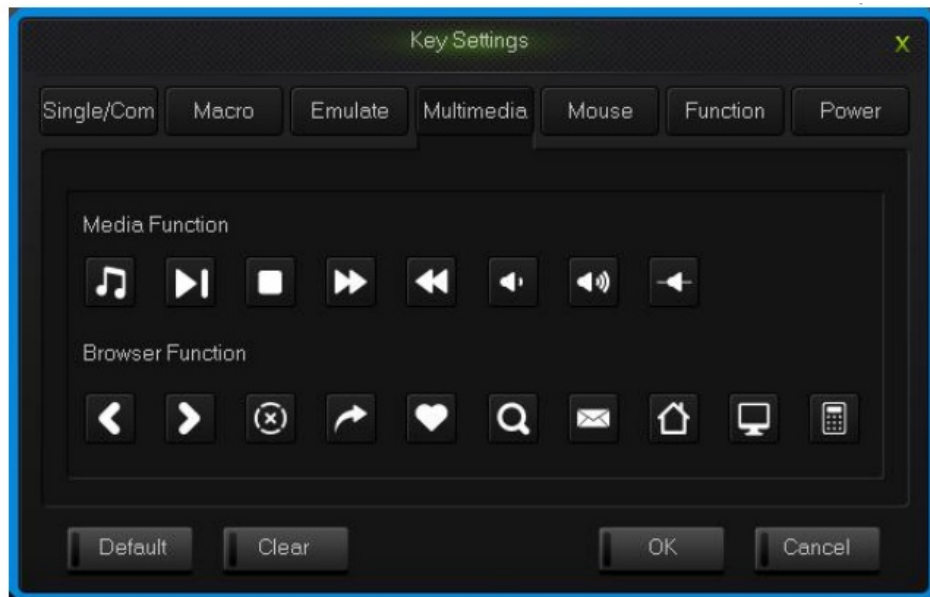
Multi-media interface

2.5 Mouse
The keyboard support Mouse. Unit Time refers to the time required by a mouse the cursor moves to a cell; Unit Pixel refers to the number of pixels that move a cell in the mouse cursor; First Delay refers to the interval between the mouse cursor moving the first cell to the second cell.

1. Single click the key you need to configure, click "Mouse" in the dialog box of "Key Settings" that pops out;
2. Choose custom mouse functions in the mouse panel, then click "OK".
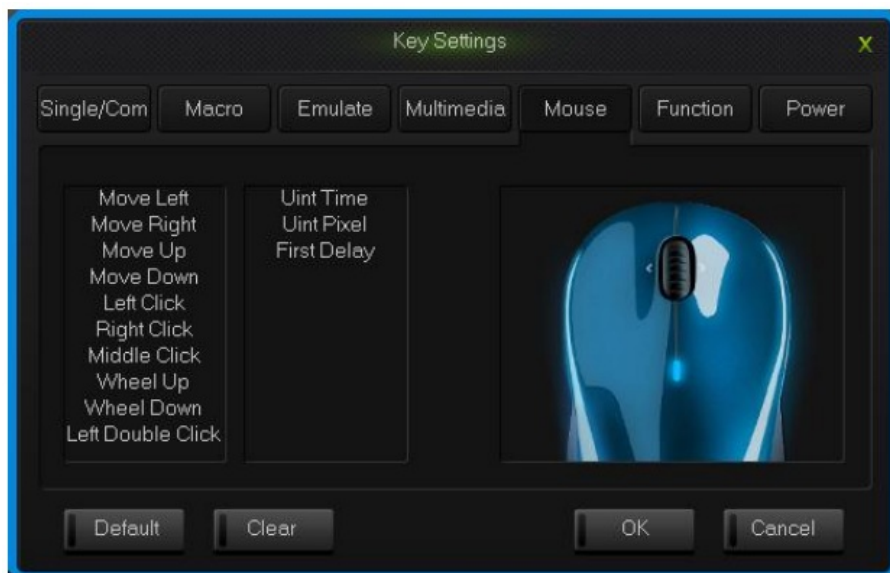
Mouse interface

2.6 Function Key
The control key is divided into key function and backlight function.

1. Single click the key you need to configure, click "Function" in the dialog box of "key Settings" that pops out;
2. Choose custom functions in the control key panel, then click "OK".
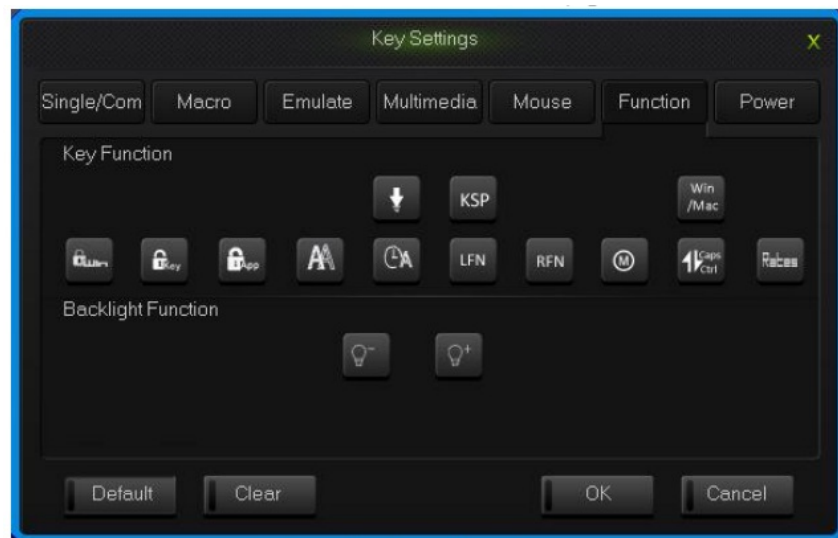
Function key interface

2.7 Power
The keyboard supports the power function.

1. Single click the key you need to configure, click "power" in the dialog box of " KeySettings" that pops out;
2. Choose custom functions in the power panel, then click "OK".
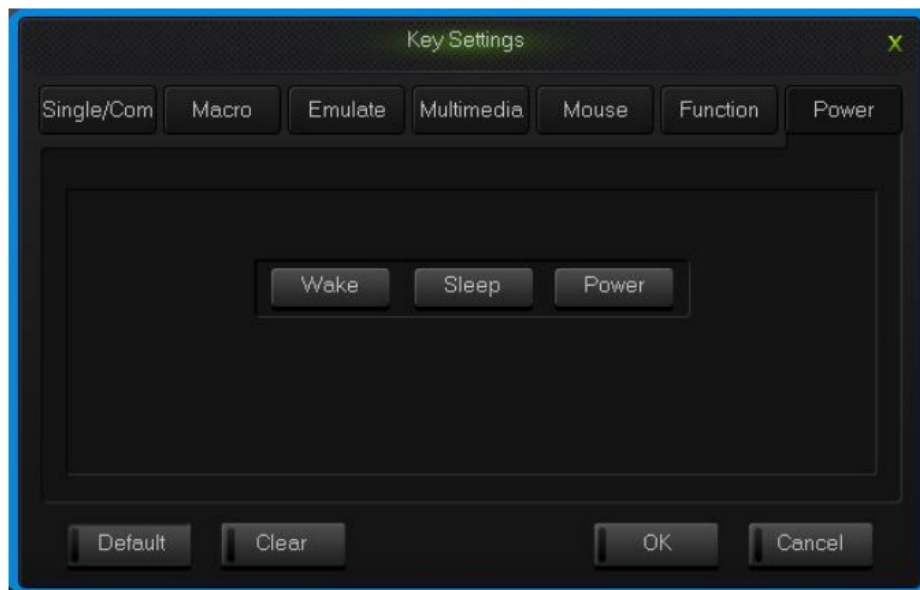
Power interface

2.8 Empty configuration
There are two circumstances for an empty configuration, one is an empty single key configuration, and the other is empty of all the configured keys.
To empty a single key configuration, just single click the key and choose "Clear" in the settings window.
To empty all the configurations, single click "Clear" in the function bar on the main screen.

How to save and open configuration
Every configuration document corresponds to a kind of keystroke mode, so it will be more convenient for the users to configure the common programs of the keyboard. The configuration information includes key setup information and backlight setup information.
You can save those configurations that don't need in a short time on your PC and direct import them next time when needed. This can avoid set up repeated.
You can still import the documents saved on a PC when using another computer, The specific ways are below:

Open the configuration

1. Single click "open" at the function bar in the main screen, choose the catalog and the corresponding configuration in the dialog box of open configuration that pops out.
2. Single click "Open".

Save configuration

1. Single click "Save" at the function bar in the main screen, choose the catalog, and type in the name of the configuration in the dialog box of the saved configuration that pops out.
2. Single click "Save".

How to Get key usage times
Single click "Get Counter" at the function bar in the main screen, after reading the completion, the mouse moves to the corresponding button position, and the information box can see the number of times the button is hit.

How to upgrade keyboard firmware
Upgrade keyboard firmware in order to improve the performance of the keyboard and the function that is designed for user experiences.

1. Single click "Get Version" and can get the firmware's name and version.
2. Single click "Open", choose .bin document, and single click "Update", then update the firmware of the keyboard with the tips.
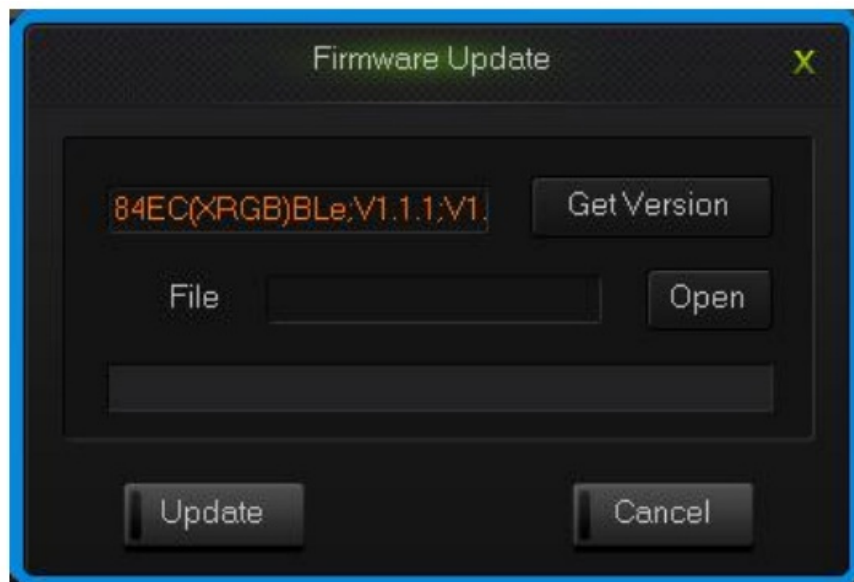
upgrade keyboard firmware interface

Documents / Resources

EPOMAKER 84EC Bluetooth Keyboard [pdf] User Manual

84EC Bluetooth Keyboard, 84EC, Bluetooth Keyboard, Keyboard