

useKEYBD.lcd, by Alain Birtz  
version 3.0  
Reference Manual

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## **Description**

“useKEYBD.led” is a system extension that flashes LEDs on an extended keyboard according to activity from a floppy drive, SCSI device (hard disk, CD-ROM drive, ...), modem, printer, AppleTalk, or the keyboard.

Note: “useKEYBD.led” works only with an extended keyboard. Normally, an extended keyboard has LEDs labelled “num lock,” “caps lock,” and “scroll lock.”

## **Installation**

The “useKEYBD.led” icon looks like this in the Finder:



Drag the “useKEYBD.led” icon to your System Folder. If you are running System 7, allow the Finder to put “useKEYBD.led” into your Control Panels folder.

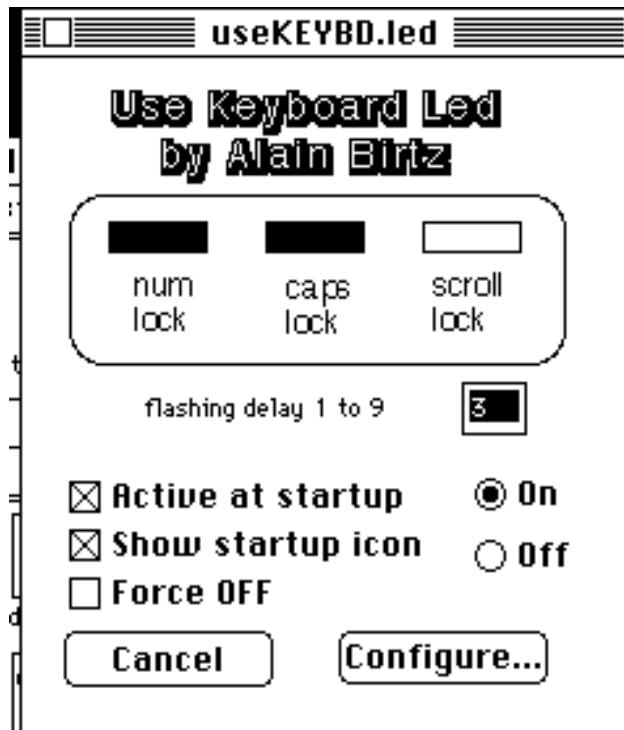
“useKEYBD.led” will not flash your keyboard LEDs until the next time you restart your Mac, but you can still alter its settings as described in the next section.

Normally, “useKEYBD.led” will display its icon as your Mac starts up. If some problem occurs while loading you will see the following icon instead:



You can prevent “useKEYBD.led” from loading by keeping the “i” key pressed as your Mac starts up. Even if “useKEYBD.led” is not loaded at startup, you can open the control panel and change settings. “useKEYBD.led” saves its settings when the control panel window is closed.

## The Control Panel



You'll notice the three small rectangles flashing when you open the control panel. This animation only anticipates the real use of the LEDs.

The **ON** and **OFF** buttons enable or disable "useKEYBD.led" at any time; the **Active at startup** check box, if checked, allows "useKEYBD.led" to load at startup. You can use the control panel to turn "useKEYBD.led" on even if it was not loaded at startup.

The **Show startup icon** check box, if checked, lets "useKEYBD.led" display its icon at the bottom of the screen when it loads at startup.

You can click the **Cancel** button to close the control panel without changing any settings.

The **Force OFF** check box should be checked only if the LEDs don't turn off when no activity is detected. Although I haven't seen this problem, users from other countries have reported this bug. I hope that this checkbox and the new code for it will solve the problem...

The "flashing delay" (a number from 1 to 9) controls how long an LED remains lit when it flashes.

The **Configure** button displays the dialog box shown below. You can customize your own LED setup in this dialog. As “useKEYBD.led” is initially configured, the **num lock** LED flashes when the floppy disk spins, the **caps lock** LED flashes when you strike any key of the keyboard, when the modem or printer port is active, or when data is transferred via AppleTalk, and the **scroll lock** LED flashes during SCSI (HD, scanner, CD-ROM drive, ...) activity.

To change the setup, simply check or uncheck any check box in the first six rows. The rows correspond to the six activities (floppy disk, modem, printer, AppleTalk, keyboard, or SCSI) that “useKEYBD.led” can detect. The column you click in a particular row determines which LED will flash for that row’s activity. You can select more than one LED for any activity, or associate one LED with many activities.

The system turns the **caps lock** LED on when the CAPS LOCK key is down. “useKEYBD.led” detects this and leaves the **caps lock** LED turned on when no activity is detected, but flashes it during periods of activity assigned to that LED. If some application uses the NUM LOCK (clear) and SCROLL LOCK (F14) keys to control the **num lock** and **scroll lock** LEDs, you can check the appropriate checkbox at the bottom of the dialog.

***** Led configuration *****			
	num lock	caps lock	scroll lock
	LED	LED	LED
Floppy disk	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Modem	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Printer (serial)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AppleTalk	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Keyboard	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SCSI	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Use lock KEY as normal

<input type="checkbox"/> num lock KEY	OK
<input checked="" type="checkbox"/> caps lock KEY	
<input type="checkbox"/> scroll lock KEY	

Cancel

## **Distribution**

“useKEYBD.led” is free. You may make as many copies of it as you wish, and give it to interested friends, but please keep the 3 files together (the French documentation, the English documentation and the control panel file).

## **Version**

version 1.0, named “ledKBDdrive,” detected only floppy drive and SCSI device activity.

version 2.0 added detection of keyboard activity.

version 3.0 added detection of modem, printer, and AppleTak activity. Also fixed a bug that sometime left an LED “on” when no activity was detected.

Tested on SE, SE/30, LC, LC II, LC III, Si, and all Quadra.

## **Acknowledgment**

David B. Lamkins (DBLamkins@aol.com) edited the English-language version of this manual.