



MOTOROLA

User Instructions for Illuminated Keyboard FLN9674A

Operational Summary:

"FN" & up cursor key increases brightness with auto-repeat

"FN" & down cursor key decreases brightness with auto-repeat

"FN" & "1"-"7" or "FN" & "0" selects dimmest ("1") to brightness ("7") level with "0" being off

"FN" & "F1"-"F7" or "FN" & "F10" selects 10 minute to 70 minute automatic turn-off time in 10 minute multiples with "F10" disabling the automatic turn-off feature.

Touchpad

The touchpad uses the standard Microsoft™ mouse driver. It is suggested that the user adjust the pointer speed in the "Basics" dialog box of the "Mouse Properties" section of "Control Panel" to his or her personal preference.

Tapping the touchpad with the tip of your finger simulates a left mouse button "click". Two taps simulates a "double click". This is often more convenient than using the left or right mouse buttons located in the keyboard housing.

Backlighting Intensity Adjustment

The keyboard provides eight discrete, user selectable intensity levels referred to as "Level 0" through "Level 7". "Level 0" is off; "Level 1" is dimmest; "Level 7" is maximum brightness. Level settings are non-volatile (saved when power is removed); a power-on reset or host initiated software reset will return the keyboard to its last setting. The factory default setting is "medium" intensity "Level 4".

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68P02962C86-O



June, 2001

The backlighting intensity can be increased or decreased in one of two ways - relative or absolute. Both methods use the "FN" key (located just to the right of the space bar) to modify the functionality of the numeric keys ("0" and "1" - "7") and up / down cursor keys. No data for these keys is sent to the host whenever these keys are pressed while the "FN" key is held down. The "FN" key does not affect the operation of any other key except "F1"-"F7" and "F10" (see automatic backlighting turn-off in the next section).

The first method of changing the intensity is relative. The up and down cursor keys are used to increase or decrease the present level setting by one step respectively. Holding the up or down cursor keys down will cause the intensity to continue increasing or decreasing at a rate of approximately 1/3 of a second. This operation is similar to a keyboard's auto-repeat function. The intensity level does not rollover. For example, once intensity "Level 7" (maximum brightness) is reached while increasing the intensity, the brightness level remains at "Level 7" regardless of how long the key is held down; it does not rollover to "Level 0" and vice-versa.

The second method of changing the intensity is absolute. The numeric keys "0" and "1" through "7" (located directly above the "QWERTY" or alpha section of keys) are used to select an intensity level. For example, suppose the current brightness level is relatively dim and full brightness is desired. Rather than "stepping" through all medium brightness levels, maximum brightness can be directly selected by pressing the "FN" and the "7" key. "FN" and "0" turns off the backlighting ("Level 0").

The backlighting level is not saved to non-volatile memory until the selected level is maintained for approximately two seconds. This is done to increase the functional life of the non-volatile memory; the non-volatile memory is rated for 100,000 write cycles.

Automatic Backlighting Turn-off

The keyboard incorporates a power saving feature to automatically turn-off the LED backlighting after a user programmable amount of time has elapsed since the last keystroke. The factory default setting is automatic turn-off disabled.

The turn-off time is programmed in a manner similar to the absolute backlighting intensity adjustment. The "FN" key and the function keys "F1" through "F7" and "F10" are used to select one of eight turn-off times in 10 minute multiples. "F1" corresponds to 10 minutes; "F7" corresponds to 70 minutes. "F10" disables the automatic turn-off feature. While disabled, the backlighting will not automatically turn-off.

The backlighting level will momentarily flash off and on if illuminated, or on and off if currently non-illuminated ("Level 0") to indicate a change in the selected turn-off time. A second quick flash indicates that the turn-off time has been successfully saved to non-volatile memory.

Once the backlighting has been extinguished by the automatic turn-off feature, striking any key(s) will restore the backlighting to the level selected prior to automatic turn-off. No scan codes will be sent for any additional keystrokes until the key (or all of the keys) pressed to restore the backlighting are released. Thus the user can "mash" several keys on the keyboard without worrying about the host's application software using the keystrokes as input data.