

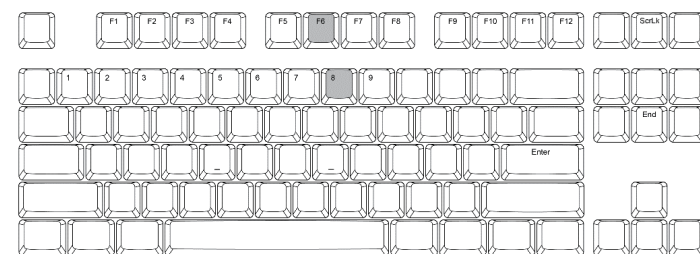


**MF108 / MF87 RGB LED backlit keyboard User Manual**

**Detail specification introduction:**

1. equipped with 2 different countdown modes.
2. standard ANSI 87/108 keys layout
3. PBT double shot keycap
4. Build with 3 different layouts ( Qwerty, Dvoark, Colemak)
5. Support Customize LED setting
6. Detachable USB type-C connector

Count-down Mode Description Table	
ScrLk	Press ScrLk button to enter "Flash" mode (long time maximum support for 129 minutes)
Pause	Press Pause button to enter "Shot" mode (short time maximum support for 9 minutes)



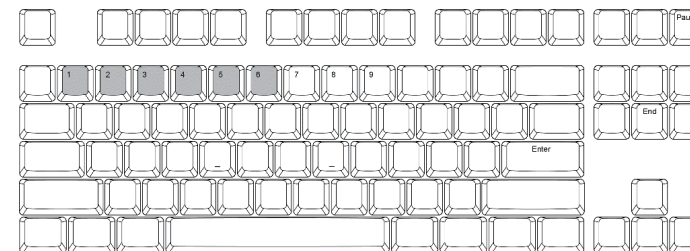
**Count-down Mode Description Table**

1. Directly press ScrLk button to enter "Flash" mode. At this time, F1-F12, 1-9, ScrLk, End and Enter buttons light up. F1-F12 represent 10-120 minutes, 1-9 represent 1-9 minutes. Press the corresponding button, then the button color will change. At the same time, set corresponding count-down time. Press Enter to start count-down. Press End or ScrLk to exit.

For example, if you want to set 68 minutes count-down time, press F6 and 8 buttons. Then press Enter to enter 68 count-down mode.

2. Directly press Pause button to enter "Shot" mode. At this time, 1-9, Pause, End and Enter buttons light up. 1-9 represent 1-9 minutes. Press Pause button once to increase one minute to the maximum to 9 minutes. Press Enter to start count-down. Press End to exit count-down mode.

For example, if you want to set 6 minutes count-down time (already pressed Pause to enter count-down mode), press Pause button six times, and 1-6 buttons change color in sequence. Then press Enter to enter 6 minutes count-down.



**Attention:**

1. At count-down setup, keyboard code sending and current backlight will be interrupted.
2. After count-down setup, keyboard code sending and previous backlight will resume.
3. "Flash" mode time equals the sum of two terms, for example, F6+8=68 minutes.
4. One minute before count-down, user will be notified by count-down. At this time, keyboard will stop current backlight mode and enter into count-down animation, and ScrLk lights up.

5. After count-down, keyboard light flashes. At this time, you can directly press ScrLk button to exit. After count-down, keyboard will automatically resume previous interrupted backlight mode, except for palette.
6. As count-down starts, press ScrLk to check remaining time. At this time, press End to end count-down mode, or press ScrLk (count-down continues) to exit check preview.
7. In palette to set colors, because the button only represents color not function, you cannot start count-down setup. One key setup works under non-palette status.

Light Mode		
Fn +	Esc	Open palette (need support by current mode)
	F1-F3	Individually adjust red, green and blue (need support by current mode)
	F4	Full light up mode loop regulation
	F5	Full zone no light mode (press corresponding button to light up or activate corresponding light mode) loop regulation (from other status, press F5 to close all lighting)
	Blank	Pause current dynamic lighting/resume dynamic lighting

1. When lighting is on under palette mode, through palette select lighting color for whole keyboard or single button. Press blank to change among three palettes.
2. With the lighting function under RGB color mode, through F1-F3 regulate lighting RGB value respectively. Under single lighting mode, press Fn to display.
3. Under any dynamic group lighting, press Fn+ blank to pause current keyboard lighting.

LED Mode description	LED Mode	Brightness	Speed	Color Temperature	RGB color	
Fn + =	F4	Light up	✓	✗	✓	✓
		RGB Wave	✓	✓	✗	✗
		Rain drop mode	✓	✓	✗	✗
	F5	Reactive mode	✓	✓	✓	✓
		Random Reactive	✓	✓	✗	✗
		Ripple mode in Single color	✓	✓	✓	✓
		Random Ripple	✓	✓	✗	✗
		Aurora mode in Single color	✓	✓	✓	✓
		Radom Aurora	✓	✓	✗	✗
		Snake Marquee mode	✗	✓	✗	✗
F9	Single key color	✗	✗	✓	✓	
F10	Single line color	✗	✗	✓	✓	
F11 F12	Light up	✓	✗	✗	✗	
	Reactive mode	✓	✓	✗	✗	
	Ripple mode	✓	✓	✗	✗	
	Aurora mode	✓	✓	✗	✗	
	Snake Marquee mode	✗	✓	✗	✗	

- Press Fn+F9 to enter Zone 1 mode. Under this mode, you can set any button color.  
Through Fn+Esc enter into palette, or Fn+F1-F3 regulate button RGB value. Select color and then press the button to set its color. Press the button again to close the button lighting. Press Fn+End to end Zone 1 lighting color setup.  
Through Fn+F11 adjust and loop regulate various lighting. Under constant lighting, through Fn+ right Ctrl+ any button give Fn color.
- Press Fn+F10 to enter into Zone 2 mode. Under the mode you can set any color.  
Through Fn+Esc enter into palette, or Fn+F1-F3 regulate button RGB value. Select color and then press the desired button for color setup. Press any button again to close the lighting for the line. Press Fn+End to end Zone 2 lighting color regulation setup. Through Fn+F12 adjust and loop regulate various lighting.

LED adjustment			
Fn +	=	↑	Increase Brightness
		↓	Reduce brightness
		→	increase speed
		←	Decrease speed

Turn off led and return to original setting			
Fn +	=	O	Turn off all LED
		R	Hold Fn+R for 5 sec to Original factory setting (QWERTY).

Change Keyposition			
Fn +	=	F6	Windows Lock
		F7	Switch Caplock / Lctrl key
		F8	Switch Alt / Win key

Lighting mode in different Zone			
Fn +	=	F9	Setting LED backlit on Single key & Zone 1 area
		F10	Setting LED backlit on entire row & Zone 2 area
		End	End of LED Backlit setting
		F11	Cycle mode in Zone 1 LED backlit (Light up, Reactive mode, Ripple, Aurora, Snake Marquee)
		F12	Cycle mode in Zone 2 LED backlit (Light up, Reactive mode, Ripple, Aurora, Snake Marquee)

Switch to Caplock/LCtrl and Alt/WIN when you lock the Win key, the RGB led will be displayed below colors at Space bar left side.

Function	On/off Status						
Fn+F6 Win Lock	On	Off	Off	On	Off	On	On
Fn+F7 switch Capslock/LCtrl	Off	On	Off	On	On	Off	On
Fn+F8 switch Alt/Win	Off	Off	On	Off	On	On	On
LED color	Red	Green	Blue	Yellow	Light Blue	Dark Red	white

Speed mode and others			
Fn +	=	↖	Speed mode on/off(Original setting)
		1-4	Speed level adjustment
		ScrLk	ScrLk function
		Pause	Pause function

It works on repeat delay and repeat rate at the same time, you can check speed status at space bar right side.

	RGB LED color at Right space bar	USB repeat delay time	USB repeat Rate
Fn+↖	Turn off LED (original setting)	\	\
Fn+1	Original setting	1	1
Fn+2	Green	2	2
Fn+3	Blue	4	4
Fn+4	Red	8	8

Keycap layout			
Fn +	=	Ins	Switch to Qwerty layout
		Home	Switch to Dvorak layout
		PgUp	Switch to Colemark layout

Esc	!	@	#	\$	%	^	&	*	(	)	{	}	←	Backspace
Tab	"	<	>	P	Y	F	G	C	R	L	?	+		
Caps Lock	A	O	E	U	I	D	H	T	N	S	-	=	Enter	
Shift	:	;	Q	J	K	X	B	M	W	V	Z	Shift	Shift	
Ctrl	Win Key	Alt								Alt	Fn	Pn	Ctrl	

- Press Fn+Ins then switch to Qwerty layout
- Press Fn+home then switch to Dvorak layout
- Press Fn+Pgup then switch to Colemark layout

### Warranty card

- Warranty only applies to defects in materials and/or workmanship, which can occur during normal use. We will provide RMA procedure, maintenance and replacement parts within the warranty period. Customers are responsible for one way shipping charges.
- Products that caused by human error will not be covered under warranty. Fees will be charged for any repair done by human error, but there is no guarantee of a successful repair. Some defective items will not be repaired if the damage is too extensive.
- Warranty will be voided if the original serial number on the product, warranty sticker, or product itself is disassembled. If the product is no longer under the warranty period, repair fees will be charged and customers will be responsible for both shipping charges.
- When using the product, please avoid any beverage or liquid being poured onto the keyboard. Please note keyboards that are damaged by spillage will lose its stability and will not be repaired.

RMA services contact : [services@ikbc.com.tw](mailto:services@ikbc.com.tw)