

KH75 All-Aluminum Hub Mechanical Keyboard Product Specification V1.0

Product Type: KH75 All-Aluminum Hub Mechanical Keyboard

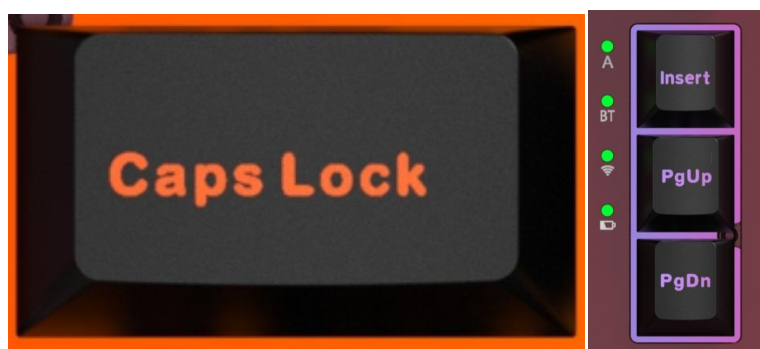
Product Name: Aluminum Alloy Hub Mechanical Keyboard Series

IC Model: BYK916 + BK3632 + 2.1 Tri-Mode

VER 0100

2025/09/11

Initial Release



Switch Indicator Description (Two-Stage Switch)

- **Wired Mode:** Switch to Wired Mode. Default polling rate: 1000Hz. (Note: Connecting via TYPE-C port — e.g., to a computer or power bank — charges the battery.)
- **Wireless Mode:** Switch to 2.4G or BT Mode.
 - Bluetooth: Corresponding key lights (Q, W, E) blink blue slowly.
 - 2.4G Mode: R key light blinks green slowly.
- **CAPS Indicator:** White light when CAPS LOCK is on; reverts to lighting effect mode when off.
- **BT Indicator:** White light when Bluetooth channel is selected; off for other channels.
- **2.4G Indicator:** White light when 2.4G channel is selected; off for other channels.
- **Charging Indicator:**
 - Low battery: Red light flashes rapidly.
 - Charging: Red light remains steadily lit.

Features

Supported Systems:

- Wired Mode: Windows 7/8/10/11, Android, macOS, and other operating systems.
- Bluetooth & 2.4G Mode: Windows 10/11, Android, macOS, and other operating systems.

Key Rollover:

- Bluetooth mode: 6-key rollover (via diode)
- USB mode: Full N-key rollover (via diode)

Memory:Flash memory (non-EEPROM) for power-off data retention.

LED Lighting:

- Independently controlled per key
- 256-level PWM dimming
- 16 built-in lighting effects

VID: (), PID: ()

Device Names:

- Wired Mode: KH75 Gaming Keyboard
- Bluetooth Mode: KH75 BT1 / KH75 BT2 / KH75 BT3

FN Key Combinations

KeyCombination	PCFunction	MacFunction
FN + DELETE	Cycle lighting effects	Same as PC
FN + ESC (hold 3s)	Restore factory settings	Same as PC
FN + F1	Decrease screen brightness	Same as PC
FN + F2	Increase screen brightness	Same as PC
FN + F3	Win + Tab (Task View)	Ctrl + Up (Mission Control)
FN + F4	Win + E (File Explorer)	Launchpad
FN + F5	—	—
FN + F6	—	—
FN + F7	Previous track	Same as PC
FN + F8	Play/Pause	Same as PC

FN + F9	Next track	Same as PC
FN + F10	Mute/Unmute	Same as PC
FN + F11	Volume down	Same as PC
FN + F12	Volume up	Same as PC
FN + WIN	Lock/Unlock Windows key	—
FN + A (hold 3s)	Switch between WIN (default) and MAC	Switch between WIN and MAC (default)
FN + Q	Short press: reconnect; Long press (3s): pair	Same as PC
FN + W	Short press: reconnect; Long press (3s): pair	Same as PC
FN + E	Short press: reconnect; Long press (3s): pair	Same as PC
FN + R	Short press: reconnect; Long press (3s): pair	Same as PC
FN + [or]	Adjust lighting direction (for certain effects)	Same as PC
FN+ [{	Lighting Direction Adjustment (for certain lighting effects)	Same as PC
FN+] }	Cycle Lighting Modes: Rainbow → Red → Green → Blue → Yellow → Purple → Cyan → White	Same as PC
FN+←	Backlight effect speed is adjustable in 5 increments: 0% — 25% — 50% — 75% (Default after reset) — 100%. When reaching the minimum or maximum speed level, the indicator lights will flash 3 times as confirmation.	
FN+→	Light Effect Speed Adjustment The lighting effect speed is adjustable across 5 levels: 0% → 25% → 50% → 75% (default after reset) → 100% . When the speed is adjusted to the maximum level (100%), the direction keys (↑ ↓ ← →) will flash three times to indicate the limit.	
FN+↑	Brightness Adjustment Backlight brightness increases: 0% → 25% → 50% → 75% → 100% (This level is set as default after restoring settings). When adjusting to the maximum level, the indicator lights will blink three times as a confirmation.	
FN+↓	Decrease lighting brightness, increase backlight brightness: 0% --- 25% --- 50% --- 75% --- 100% (Default setting after restoration). When adjusting to the maximum level, the directional key lights will blink three times as an indicator.	
FN+Space key	Switch Backlight On/Off	
FN+Tab	Battery Indicator (Wireless Mode) To check the battery level in wireless mode, press the key combination Fn + TAB. The backlight will turn off, and the keys 1! to 0) will illuminate to indicate the battery percentage. For example: If only the 1! key is lit, it indicates a 10% battery level. If both 1! and 2@ keys are lit, it indicates a 20% battery level.	

	This pattern continues up to 100% (all keys from 1! to 0) illuminated). Color Indicators: Red: Battery level $\leq$ 30% Yellow: Battery level between 31% and 50% Green: Battery level $\geq$ 51%
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Windows	macOS
Ctrl + L	Control + L
Win + L	Option + L
Alt + L	Command + L
Alt + R	Command + R
App	Option + R
Ctrl + R	Control + R

Lighting Effect Keywords (via FN + DELETE)

- Rippling (default)
- Shadow trailing
- Sine wave
- Rotating windmill
- Rainbow waterfall
- Blooming flowers
- Gaming mode (WASD and arrow keys light blue)
- Steady glow
- Breathing
- Dream rainbow
- Trigger-activated
- Rainy walk
- Rainbow wheel
- Ripple effect
- Starlight
- Continuous flow

Charging & Low Battery Indicators

1. Charging indicator is the FN key light:
 - Low battery: Red light flashes rapidly.

- Charging: Red light remains on.
2. Battery below 3.3V: Backlight turns off, battery indicator flashes red until sleep/shutdown.
 3. Battery below 3.1V: Keyboard shuts down.
 4. Wireless mode power management:
 - 3 minutes idle: Enter light sleep (lights off, wake on keypress).
 - 30 minutes idle: Enter deep sleep (lights off, wake on keypress).
 - Wired mode: Lights remain on.

Knob Functions

- Press: Mute/Unmute
- Rotate clockwise: Volume up
- Rotate counterclockwise: Volume down

Hub Interface Features

1. Compatible with Windows 11, macOS, Android, iPadOS, and other major operating systems.
2. USB 3.0 support with 5Gbps transfer speed.
3. Audio jack supports both headphone and microphone.
4. MicroSD card reader with push-to-eject mechanism.
5. HDMI port supports 4K @ 60Hz.
6. Type-C port supports charging and data transfer. The rightmost port is the main input.

END OF DOCUMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

The devices has been evaluated to meet general RF exposure requirement, the device can be used in portable exposure condition without restriction