AJAZZ × NACODEX

MK87 RGB Tri-Mode with Prism Screen Mechanical Keyboard

User Manual

Thank you very much for purchasing our AJAZZ MK87 RGB Tri-mode Prismatic Screen Edition. This product boasts a range of impressive features and lighting effects, and we hope it will provide you with a fresh and exciting operating experience. For further functionality, please visit the Black Duke official website to download the driver.

I. Basic Parameters

Brand: AJAZZ

Model: MK87

Transmission Method: USB Wired + 2.4G + BT5.1

Interface Type: Detachable Type-C Connector

Dimensions: 371.8 x 144.3 x 46.9mm

Weight: ≈1040g

Structure: Gasket-mounted

Housing Material: ABS injection moulding

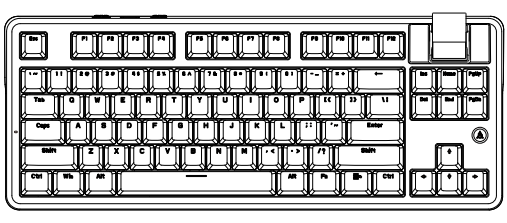
Cable Length: 1.6m

Lighting Effects: RGB, 20 lighting modes

Key Layout: 84 keys

Matrix: Full N-key rollover

Supported Systems: Windows Vista/XP/7/8/10/11, Mac



II. Indicator Lights / Sleep Mechanism Explanation

1. Caps Lock Left Indicator Light

Press Caps Lock; the left light illuminates white to indicate caps lock is active. Press again to deactivate.

2. Win Key: FN+Win Indicator Light

Press Fn+Win; the Win key illuminates white continuously. Press again to deactivate, indicating unlocked.

3. 'FN key' : Charging indicator

Slow red flash indicates low battery. Steady red light during charging. Red light extinguishes when fully charged.

III. Key Combination Functionality Guide

Combination	Win system	Mac system	Combination	Win system	Mac system
FN+F1	Media Player	Screen brightness -	FN+F7	Play/Pause	Previous track
FN+F2	Volume -	Screen brightness +	FN+F8	Next track	Play/Pause
FN+F3	Volume +	Task control	FN+F9	Email	Next track
FN+F4	Mute	Console	FN+F10	Browser	Mute
FN+F5	Stop Player	Keyboard brightness -	FN+F11	My Computer	Volume -
FN+F6	Previous Track	Keyboard brightness +	FN+F12	Calculator	Volume +

IV. Lighting Mode Description

FN+\|: Cycle through 20 lighting effects

FN+ENTER: Cycle through 6 side lighting effects

FN+': Adjust side ambient lighting colour

FN+ ↑ : Increase light brightness (+) (6 levels). When maxed, overall backlight flashes three times to indicate

FN+ ↓ : Light brightness - (6 levels). At maximum reduction, overall backlight turns off.

FN+ ←: Light effect direction adjustment (press once for left, press again for right).

FN+ →: Cycle through backlight colours (sequence: RGB red orange yellow green cyan blue purple white RGB)

FN+ -_: Decrease light speed (6 levels). At maximum, the entire backlight flashes three times.

FN+ =+: Increase light speed (6 levels). At maximum, the entire backlight flashes three times.

FN+X: Turn lighting off/on

FN+DEL: Turn bottom screen lighting off/on

FN+Spacebar: Press for 3-5 seconds. Keyboard backlight flashes three times to restore factory settings (clears Bluetooth ID, resets default lighting effects)

Enable lighting recording mode:

1. FN+1!/2@/3#: Customisable three sets of gaming lighting effects

2. FN+1! Default FPS mode: W/A/S/D/ ↑ / ↓ /←/→

3. FN+2@ Default LOL mode: Q/W/E/R/D/G/F/B/V/L-Ctrl/L-Alt/Tab/Space/1-6/Esc

4. FN+3#: Default 37-key office mode: A-Z (26 English letters)/[/]/;/' /./,/// ↑ / ↓ /←/→

5. FN+~: Record/save lighting modes for the above gaming modes.

Clear lighting recordings: Reset to clear saved lighting configurations.

V. Mode Connection Guide

1. BT Mode

BT Name: AJAZZ BT-1 / AJAZZ BT-2 / AJAZZ BT-3

①. BT Channel 1: AJAZZ BT-1

Switching Method: Press FN+Q to switch Bluetooth channels. The Q key light will slow-flash, indicating reconnection mode. Upon successful reconnection, the light returns to normal illumination.

Pairing Method: Press FN+Q for 3 seconds to enter pairing mode. The Q key (blue) rapidly flashes to indicate pairing mode. Upon successful connection, the light returns to normal effects.

②. BT Channel 2: AJAZZ BT-2

Switching method: Press FN+W to switch BT channels. The W key light will slow-flash, entering reconnection mode. Upon successful reconnection, the light returns to normal effect.

Pairing method: Press FN+W for 3 seconds to pair. The W key (cyan) will rapidly flash, entering pairing mode. Upon successful connection, the light returns to normal effect.

③ BT Channel 3: AJAZZ BT-3

Switching method: Press FN+E to switch BT channels. The E key light will slow-flash, entering reconnect mode. Upon successful reconnection, the light returns to normal effect.

Pairing method: Press FN+E for 3 seconds to pair. The E key (purple) will rapidly flash to enter pairing mode. Upon successful connection, the light returns to normal effect.

Note: ① Pressing the FN key displays the current channel. If currently connected to BT Channel 2/BT2, the W key displays a cyan light when FN is pressed; upon release, it follows the current backlight.

② If currently connected in 2.4G mode, the R key displays a green light when FN is pressed.

2. 2.4G Mode

Switching Method: Set the switch to the 2.4G position and insert the receiver to enter 2.4G connection mode.

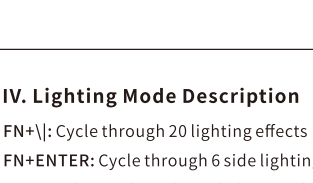
Pairing Method: Press FN + R for 3 seconds to force entry into 2.4G pairing mode. The R key (green light) will flash rapidly. Once pairing is complete, the flashing will cease. After successful pairing, exit pairing mode and the light will return to normal illumination.

3. Wired Mode

Switching method: Set the switch to the wired position and insert the USB cable to establish a wired connection. (Inserting the USB cable in any mode will charge the keyboard.)

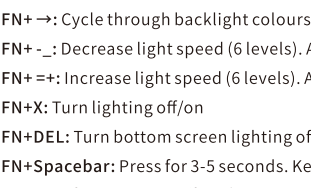
VI. Hot Plugging Operation Steps

Hot-swappable: Compatible with most mechanical switches featuring three- or five-pin sockets, allowing interchangeable shafts. (Image for reference only; actual product may vary.)

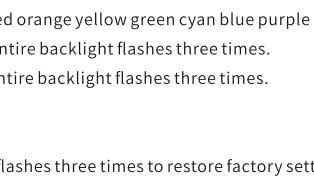


① Use a keycap puller to remove the keycap.

② Secure the shaft puller onto the upper and lower clips at the base of the shaft, then pull the shaft upwards to remove it.



③ New shaft alignment pins and hole positions



④ Gently press down on the shaft vertically

VII. Screen Display and Settings

1. Settings Page Operation Guide

FN+END: Enter settings page

① Press FN+END to enter settings page,

② Use PgUp to navigate left, PgDn to navigate right; press END to confirm current selection,

③ Press FN+END again to exit screen settings page.

FN+INS: Press briefly to turn off screen display; press again to turn on

FN+Home: Press briefly to open animated display; press again to return to main page

FN+C: Switch screen language to Chinese (factory default is Chinese)

FN+V: Switch screen language to English

2. Main screen display:

①: Display when connected to MAC/WIN system

②: Display when locked to WIN

③: Display when connected via BT/2.4G/USB wired mode

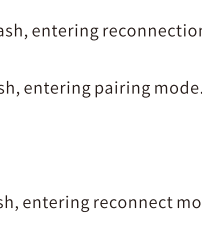
④: Battery level display

⑤: Date display

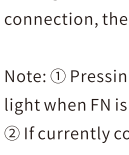
⑥: Time display

⑦: Numeric keypad toggle display

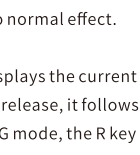
⑧: Caps lock toggle display



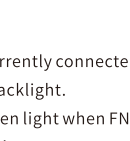
3.Display Settings



Lighting Effects

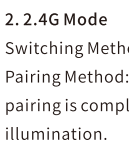


Light Colour

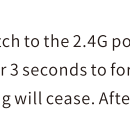


Light Intensity

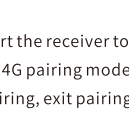
Light Speed



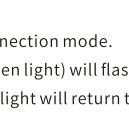
Volume Control



Language Selection



Connection



System Switch