

NSYCA

NSYCA Air75

Low-Profile Switch Mechanical Keyboard
User Manual



75% Layout Tri-Mode Connection
Wired + 2.4G Wireless + Bluetooth

Basic Information

Brand: NSYCA	Model: Air75
Layout: 75% Layout	Key Count: 84 Keys
Lighting: RGB Backlight	Battery Capacity: 2000 mAh
Charging Port: Type-C	Cable Length: 1.6M (PVC)
Connection: Tri-mode (Wired / 2.4G / BT)	
PC USB: 2.0, Supports USB HID Spec V1.1	

1.Product Overview

The NSYCA Air75 is a flagship ultra-slim, low-profile mechanical keyboard designed for modern multi-device users. Its sleek aluminum frame and extremely thin profile give it a premium, industrial look, while the compact 75% layout retains a full function row and arrow keys, offering the perfect balance between desk aesthetics and practical workspace efficiency.

The NSYCA Air75 shines in versatility, adapting seamlessly to a variety of scenarios. It features high-quality shine-through PBT keycaps combined with full-key RGB backlighting and a perimeter ambient light bar, providing clear visibility and a visually engaging experience whether you're focused on work or immersed in gaming.

Equipped with tri-mode connectivity — wired, 2.4G wireless, and Bluetooth 5.0 — the Air75 supports Windows, macOS, iOS, and Android. Whether at a desktop, in a café on your laptop, or relaxing with a tablet, it switches seamlessly between devices, making it a true multi-platform productivity companion.

Typing on the Air75 is smooth and quiet, thanks to its carefully tuned low-profile mechanical switches, offering comfortable feedback without disturbing those around you — perfect for quiet offices or late-night work sessions.

The NSYCA Air75 keyboard also comes with a rich set of multifunction shortcuts and FN-layer combinations, and supports software-based key remapping and macros, allowing users to customize key functions for maximum efficiency. Every keystroke can be tailored to your workflow or gaming needs, making the Air75 both highly functional and enjoyable to use.

2.Dimensions & Weight

Length	Width	Body Thickness	Weight
12.65 inches	5.17 inches	0.47 inches	24.25 oz

3.Switch Specifications

Parameter	Value	Description
Operating Force	45 ± 8 gf	The initial force required to actuate the key. 45 gf is a medium-light force, suitable for long typing sessions or gaming without causing fatigue.
End Force	55 ± 8 gf	The maximum force at the bottom of the keypress. Slightly higher than the operating force, providing a clear and satisfying bottom-out feedback.
Pretravel	1.3 ± 0.3	The distance from the keytop to the actuation point. A 1.3 mm pretravel allows for quick activation and fast response.
Total Travel	3.1 ± 0.2 mm	The total distance from the top of the key to the bottom. 3.1 mm is standard for low-profile switches, shorter than the traditional 4 mm travel, enabling faster key presses and double-taps.
Pressing Strength: 5 kgf for 15 sec Switch Lifespan: ≥ 50 million cycles		

4.System Compatibility

Compatible Systems:
Windows 8 or later, macOS 10.12 or later, iOS 9 or later, Android 6 or later.

System Switching (Windows / macOS):
The keyboard defaults to Windows Mode. Restoring factory settings will not exit the current system mode.

Windows Mode (Factory Default) Operation:
• Press and hold FN + A for 3 seconds.
• Feedback: The backlight will flash white once to confirm the switch.
• Note: This setting is saved in memory (power-off memory).

macOS Mode Operation:
• Press and hold FN + S for 3 seconds.
• Feedback: The backlight will flash white once to confirm the switch.
• Note: This mode maps the keys to match the Apple layout. This setting is saved in memory (power-off memory).

5. Shortcut Keys & Functions

Note: Press the key directly for standard F1-F12 functions. Press FN + Key to activate the multimedia functions listed below.

Shortcut keys	Function (Windows)	Function (Mac)
FN + ESC	Hold for 3 seconds until the backlight flashes 3 times. Restores factory settings, resets all user settings to default, and clears Bluetooth pairing information.	
FN + F1	Mute	Mute
FN + F2	Volume Down	Volume Down
FN + F3	Volume Up	Volume Up
FN + F4	Previous Track	Previous Track
FN + F5	Play / Pause	Play / Pause
FN + F6	Next Track	Next Track
FN + F7	Decrease Screen Brightness	Decrease Screen Brightness
FN + F8	Increase Screen Brightness	Increase Screen Brightness
FN + F9	Task View (Win + Tab)	Mission Control (Ctrl + ⌘)
FN + F10	Show Desktop (Win+D)	Minimize All (Win + M)
FN + F11	Copy (Ctrl + C)	Copy (Ctrl + C)
FN + F12	Paste (Ctrl + V)	Paste (Ctrl + V)
	Single press acts as Print (Ctrl + P); FN + Key acts as Save (Ctrl + S)	Single press acts as Print (Ctrl + P); FN + Key acts as Save (Ctrl + S)
	Single press locks the screen (Win + L)	Single press locks the screen (Cmd + Ctrl + Q)
The FN combination toggles 'FN Lock', allowing F1-F12 keys to function directly as multimedia shortcuts. This feature is disabled by default		
FN+A for Windows	Win_L - Alt-L	Alt_L - Win_L
FN+S for Mac		
FN + HOME	INS	INS
FN + END	PS	PS
FN + PGUP	SL	SL
FN + PGDN	PD	PD

Fn + Win: Win Key Lock; **Default:** Unlocked.
Note: Valid for Windows systems only.
Function: Press once to lock; press again to unlock.
Reset: Re-plugging (power cycling) the keyboard also unlocks the key.
Indicator: The Win key lights up White when locked.

6. RGB Lighting Shortcuts

Shortcut keys	Function Definition	Status Description
FN+DEL	RGB backlight ON/OFF	RGB backlight ON/OFF
Fn + Left Shift	Switch RGB backlight effects	Cycles through 19 backlight effects.
Fn + Right Shift	Switch RGB Backlight Colors	Changes color in 19 lighting modes. Cycles through 9 colors: RGB (Default), Red, Orange, Yellow, Green, Cyan, Blue, Purple, White.
Fn + , <	Switch RGB side light effects	Flowing, Neon, Breathing, Solid colors (Red, Orange, Yellow, Green, Cyan, Blue, Purple, White).
Fn + . >	RGB side lights ON/OFF	RGB side lights ON/OFF
Fn + ↑	Increases backlight brightness	Works in all RGB backlight modes (0%, 25%, 50%, 75%, 100% Default). At the limit, the white backlight flashes 3 times (0.5s each).
Fn + ↓	Decreases backlight brightness	Works in all RGB backlight modes (0%, 25%, 50%, 75%, 100% Default). At the limit, the white backlight flashes 3 times (0.5s each).
Fn + ←	Decreases backlight speed	Works in all dynamic RGB backlight modes (5 speed levels). At the limit, the white backlight flashes 3 times (0.5s each).
Fn + →	Increases backlight speed	Works in all dynamic RGB backlight modes (5 speed levels, Default: Level 4). At the limit, the white backlight flashes 3 times (0.5s each).

7. Battery Status & Power Management

Fn + Backspace: Check Battery Level (Valid in Wireless Mode)
Press **Fn + Backspace** to check the battery. The backlight will turn off, and the number keys (1-0) will light up to indicate the percentage:
• 1 lit = 10%; 1 & 2 lit = 20%, and so on.
• **Color Indicators:** Red (<30%), Yellow (<50%), Green (>50%).
Charging Indicator (ESC Key): Charging: The ESC key lights up in Blue. Fully Charged: Returns to the current lighting effect.

1. Low Battery Warning: When the battery is low, the ESC key will flash red once per second and the backlight will turn off.
Note: At low battery levels, Bluetooth and 2.4G connections may become unstable or experience latency.

Charging: Plugging in the USB cable will automatically activate USB power and reactivate the backlight.

Auto Shutdown: If the battery level becomes critically low, the keyboard will automatically power off.

2. Auto Sleep Mode (2.4G / Bluetooth) If the keyboard is inactive for 2 minutes, the RGB backlight and indicators will turn off to save power.
Note: The keyboard remains fully functional during sleep. Simply press any key to instantly reactivate the backlight.

Sleep Mode :
1. Power-off Memory: After powering off, all settings are automatically saved. When powered on again, the keyboard will automatically restore the previous mode and status.
2. PC Sync Sleep: The keyboard's sleep status syncs with the computer. The keyboard sleeps when the PC sleeps and wakes up instantly when the PC wakes up.
3. Deep Sleep Mode: The keyboard enters deep sleep mode after 30 minutes of inactivity in Bluetooth or 2.4G mode.
• **Wake-up Method:** Double-tap any key to wake up.
• **1st Tap:** The keyboard lights up and attempts to reconnect (keys are inactive).
• **2nd Tap:** Key functions are fully restored.

8. Tri-Mode Connection Setup
• **Mode Switching:** Use the 3-way switch to toggle between modes: Bluetooth, Wired, and 2.4G. (The middle position is Wired Mode).
• **Bluetooth Channels:** BT1 / BT2 / BT3 correspond to Bluetooth Device 1, Device 2, and Device 3 respectively.
• **Wired Mode Logic:** Wired mode only works when the switch is toggled to the middle position. Note: If the switch is set to a wireless mode (BT or 2.4G), plugging in the USB cable will only charge the battery. It will not switch the keyboard to wired data mode.

* Bluetooth Pairing Instructions:

1. Switch Channel: Press FN + 1 / 2 / 3 to switch between Bluetooth channels. (The corresponding key's blue light will slowly flash).
2. Enter Pairing Mode: Long press FN + 1 / 2 / 3 for 3 seconds. The key's blue light will flash, indicating it is ready to pair.
3. Success: The light stays solid blue for 2 seconds upon connection.
4. Timeout: If not connected within 1 minute, the backlight turns off and stops flashing. You must repeat the pairing process.
5. Reconnection: If disconnected, the key will slowly flash blue. If reconnection fails within 10 seconds, the backlight turns off.
6. Keyboard Bluetooth Name: Air75

* 2.4G Pairing Instructions

1. Switch Mode: Toggle the switch to 2.4G mode. The 4/\$ key will slowly flash green.
2. Enter Pairing Mode: Long press FN + 4 for 3 seconds. The 4/\$ key will rapidly flash green, indicating it is ready to pair with the receiver.
3. Success: The light stays solid green for 2 seconds upon connection.
4. Timeout: If not connected within 1 minute, the backlight turns off. You must repeat the pairing process.
5. Reconnection: If disconnected, the 4/\$ key will slowly flash green. If reconnection fails within 10 seconds, the backlight turns off.

* Report Rate: Wired / 2.4G: 1000Hz Bluetooth: 125Hz

9. Full N-Key Rollover (NKRO)

Registers every keypress simultaneously, ensuring zero ghosting even during intense gaming.

10. Technical Specifications

1. Operating Voltage: Wireless 3.7V / Wired 5V
2. Wired Max Current: 400±10mA
3. Wired Default Current: 330±10mA
4. Wired Min Current: 20±5mA (Backlight off)
5. 2.4G Max Current: 350±10mA (White backlight at 100% brightness)
6. 2.4G Default Current: 300±10mA (Default upon startup)
7. 2.4G Min Current: 26±5mA (Backlight off)
8. Bluetooth Max Current: 350±10mA (White backlight at 100% brightness)
9. Bluetooth Default Current: 300±10mA (Default upon startup)
10. Bluetooth Min Current: 26±5mA (Backlight off)
11. Light Sleep Current: 0.98 mA
12. Deep Sleep Current: 400 µA
13. Charging Current: 600±100mA
14. Low Voltage Alarm: 3.3±0.1V
15. Working Current (Default): 330±10mA
16. Working Current (Max/Constant): 400±10mA

17. Sleeping Mode Current: 26±3mA
18. Wake Up Mode: Key Press Wake-up
19. Working Distance: >12m (Wireless) / >10m (Genera)
20. Idle Mode Timeout: 1 Min
21. Sleep Mode Timeout: 10 Min
22. Battery Specification: 2000mAh
23. Working Hours (Default Lighting): 6 Hours
24. Working Hours (Backlight Off): 61 Hours
25. Charging Current 600±100mA
26. Charging Time Approx: 4 Hours
27. Battery Life: >3000 Charge Cycles
28. Operation Voltage: 5V

11. Environmental & Reliability Parameters

Environment Definition

1. Operating Temperature: 0°C to 40°C
2. Operating Humidity: ≤75%
3. Transportation Temperature: -40°C to 55°C
4. Transportation Humidity: ≤93% (at 40°C)

Humidity Testing

1. Temperature: 65°C
2. Humidity: 95% RH
3. Duration: 48 Hours

Thermal Shock Testing

1. Low Temperature: -25°C
2. High Temperature: 65°C
3. Cycle: Low temp 1hr / High temp 1hr
4. Duration: 5 Cycles

Free-Drop Testing (Bare Unit)

1. Height: 76cm
2. Drop Surface: 3mm thick steel plate
3. Method: 6 sides, 1 drop each

Package Drop Testing

1. Height: 76cm
2. Drop Surface: 30mm thick wooden floor
3. Method: 6 sides, 1 drop each

Full Container Drop Testing

1. Height: 76cm
2. Drop Surface: 30mm thick wooden floor
3. Method: 6 sides, 1 drop each

Light Transparent Testing

1. Condition: 100W (2000 LUX) bulb
2. Distance: 10cm from the top of the product
3. Method: Test front and side surfaces

Paint & Logo Abrasion Test

1. Frequency: 1 cycle/sec (back and forth = 1 cycle)
2. Agent: 95% Ethyl Alcohol
3. Load: 500gf Cycles: ≥60 times

High Temperature Test

1. Temperature: 60°C
2. Humidity: 95% RH
3. Duration: 48 Hours (Restore: 2 Hours)

Low Temperature Test

1. Temperature: -40°C
2. Duration: 48 Hours (Restore: 2 Hours)

Vibration Test

1. Frequency: 10-55Hz
2. Amplitude: 0.76mm
3. Duration: 1 Hour per axis (X, Y, Z directions)

12. Certificates

- FCC
- CE

12. Battery Care & Charging Instructions

To ensure optimal performance and maximize the lifespan of your keyboard's battery, please adhere to the following guidelines:

Recommended Charger

For safe and effective charging, we strongly recommend using a standard USB port on a computer or laptop. This provides a stable and appropriate power output.

Charger Specification

If you must use a wall adapter, please ensure its output current is less than or equal to 1A (5V/1A).

Avoid Fast Chargers

Do not use high-power fast chargers (e.g., Quick Charge, Power Delivery, or other adapters with an output greater than 1A). The higher voltage and current can potentially damage the keyboard's internal circuitry and degrade the battery's health over time.

Charging Time & Low Battery Indicator

• Charging Time: A full charge takes approximately 4 hours.
• Low Battery Alert: When the battery level is low, the ESC key will flash red once per second. At this point, the backlight will turn off, and you may experience connection instability. Please connect the keyboard to a power source as soon as possible.

Battery Maintenance Tips

- Avoid letting the battery drain completely to 0% for extended periods.
- For long-term storage, it is recommended to keep the battery level between 50% and 80%.
- Recharge the device at least once every 3 months if not in regular use.

Safety Warnings

- Do not expose the keyboard to extreme heat or direct sunlight.
- Do not disassemble, puncture, or incinerate the battery.
- Keep the device away from water and moisture.
- Use only the provided cable or a certified USB cable for charging.

13. Support & Warranty

Driver & Software Download:

For the latest firmware and driver software, please visit: bit.ly/m/NSYCA

1-Year Limited Warranty:

This keyboard is covered by a 1-year warranty against defects in materials and workmanship under normal use, starting from the date of purchase.

Warranty Exclusions:

Please note that this warranty does not cover damage resulting from: Accidents, misuse, or neglect. Unauthorized modifications, disassembly, or repairs. Improper charging (e.g., using fast chargers) or exposure to liquids. Normal wear and tear.

Contact Customer Service:

If you encounter any issues, please contact our support team for assistance: nsycaservice@outlook.com

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

FCC Radiation Exposure statement

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

NSYCA



Support Email: nsycaservice@outlook.com

技术要求：（材质，工艺，尺寸，公差等）

- 1）材质：80g书写纸
- 2）工艺：四色双面印刷，风琴折
- 3）尺寸：140*100mm
- 4）公差：+/-0.1mm

创享
COUSO

名 称	说明书	设 计	丽	审核
产品型号	CX35	日 期	2026-05-19	批准
客 户	深圳众智城创	产品料号		版本
比 例	1:1	备 注		A2

*如FDF档用AI 打开字体，图片缺失请供应商及时反馈!谢谢，合作愉快!