

AOLION®

无线游戏手柄

Wireless Gaming Controller

AL-K20



使用说明

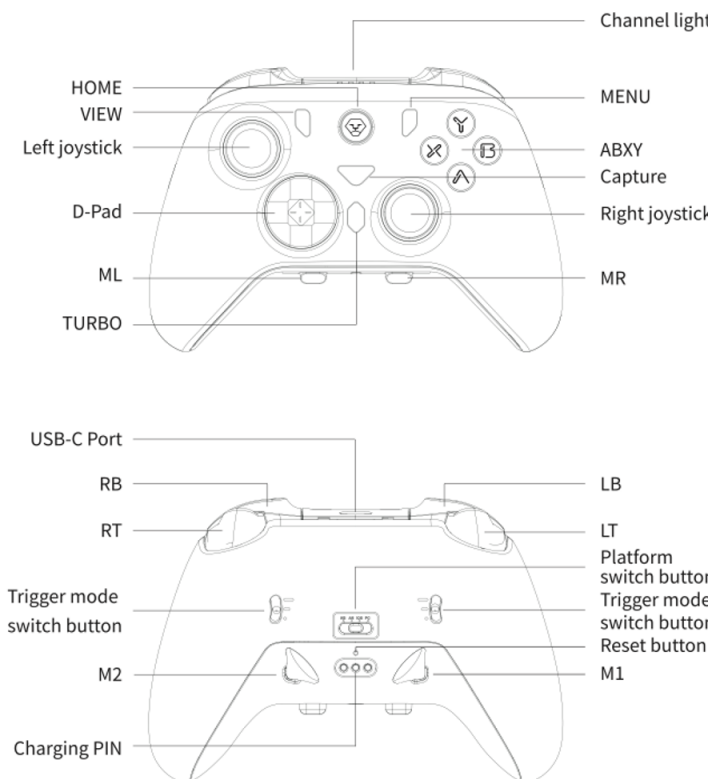
User Manual

ユーザーマニュアル

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Product Schematic:



● Supported Devices

Platform	System	Connection Method	Mode
SWITCH		BT	
PC	Windows 7/ 8/10/11	USB	XINPUT~Mode DINPUT~Mode PC-SWITCH~Mode
Android	Android4.2+	BT	Android HID
iOS	iOS13.3+	BT	MFI Games

● Gamepad Power On/Off

1. Power On/Reconnection

1. Power On/Reconnection: Press the [HOME] button to power on the gamepad and enter reconnection search mode.
2. When the gamepad is powered on, toggle the platform switch to reconnect to the last connected device and power off.

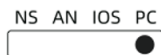
Power Off

Long press the [HOME] button for 5 seconds to power off.

● PC Platform Usage

1. Receiver Connection Method

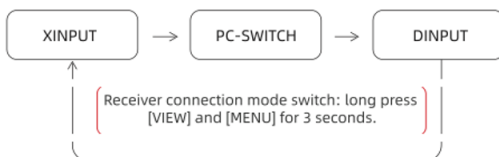
Set the platform switch to PC.



- 1.1. Insert the receiver into the USB port of the PC. The first time it is inserted, the computer will prompt that new hardware has been detected and will complete the installation.
- 1.2. When the gamepad is powered off, long press the [HOME] button for 3 seconds; the channel indicator lights will flash rapidly, entering pairing mode.
- 1.3. Once connected successfully, the LED2+LED3+LED4 channel indicator lights will remain on.

2. PC Mode Switch

Long press the [VIEW] and [MENU] buttons on the gamepad for 3 seconds to switch to PC platform mode.



XINPUT mode: Suitable for Games for Windows type games, Steam platform gamepad games on PC.

SWITCH mode: Suitable for Steam platform gamepad games and games within SWITCH emulators.

Mode	Channel light	Device Identifier
XINPUT	LED2+LED3+LED4	Xbox 360 Controller for Windows
PC SWITCH	LED1	Pro Controller
DINPUT	LED1+LED3+LED4	Gamepad

▼USB Wired Connection Method

Set the platform switch to PC.



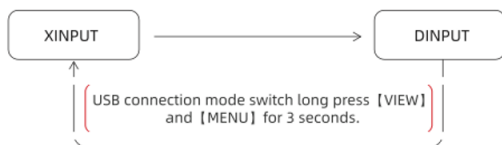
1. XINPUT/DINPUT Mode

Use a USB-C data cable to connect the gamepad to the USB port of the PC.

Mode	Indicator Light	Device Identifier
XINPUT	LED1 + LED4 slow flash	Xbox 360 Controller for Windows
DINPUT	LED2 + LED3 slow flash	Gamepad

XINPUT/DINPUT Mode Switch

When the gamepad is in XINPUT mode, long press the [VIEW] and [MENU] buttons for 3 seconds to switch to DINPUT mode.



2. PC SWITCH mode

Switch the platform switch to NS.



1. In the off state of the controller, connect the controller to the PC USB port using a USB-C data cable;
2. The controller channel indicator LED1 blinks slowly, indicating a successful connection;
3. Controller device identifier: Pro Controller.

●BT connection

Switch the platform switch to iOS.

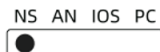


XINPUT mode

1. Open the computer Bluetooth - add device page;
2. In the off state of the controller, long press the [HOME] button for 3 seconds, release when LED1 + LED4 channel indicators blink quickly, the controller will pair;
3. Search for Xbox Wireless Controller in the computer Bluetooth settings to pair;
4. Connection successful, LED1 + LED4 channel indicators remain lit;
5. Device identifier: Xbox Wireless Controller.

●SWITCH platform usage

Switch the platform switch to NS.



BT connection

1. On the SWITCH main interface, click: Controller → Change grip/order;
2. In the off state of the controller, long press the[HOME]button for 3 seconds, the controller channel indicator blinks rapidly to enter pairing mode
3. After 3-5 seconds, the corresponding channel indicator of the controller remains lit, indicating a successful connection.

Wake up SWITCH host function

1. In Bluetooth connection mode, when the SWITCH host enters sleep mode, press the[HOME]button on the controller to reconnect and wake up the SWITCH host;
2. If the controller fails to wake up the SWITCH host, manual wake-up of the host should be selected.

Wired connection

1. On the SWITCH main interface, click: Settings → Controllers and Sensors → Wired connection for Pro Controller → Enable;
 2. In the off state of the controller, use an OTG adapter and data cable to connect the controller to the host;
 3. The corresponding channel indicator of the controller flashes (remains lit when fully charged), indicating a successful connection.
- Note: If using the SWITCH dock, connect the controller and dock USB port using a USB-C data cable.

● Android platform usage

Switch the platform switch to AN.



BT connection

1. In the off state of the controller, long press the[HOME]button for 3 seconds, release when LED2 + LED3 channel indicators blink quickly, the controller will pair;
2. Open Bluetooth on the Android device and search for "Gamepad" to pair after successful connection, LED2 + LED3 channel indicators remain lit;
3. If Bluetooth pairing fails, the Bluetooth pairing mode will automatically turn off after about 2 minutes and 30 seconds, entering sleep mode.

● IOS platform usage

Switch the platform switch to iOS.



BT connection.

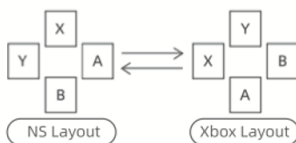
1. In the off state of the controller, long press the [HOME] button for 3 seconds. When the LED1+LED4 channel indicator lights flash quickly, release your hand to pair the controller.
2. Open the Bluetooth search on your iOS device for "Xbox Wireless Controller" to pair. After a successful connection, the LED1+LED4 channel indicator lights will remain on.
3. If the Bluetooth pairing connection is unsuccessful, the Bluetooth pairing mode will automatically turn off after about 2 minutes and 30 seconds, entering sleep mode.

When the handle has abnormal rocker, body feeling and trigger it can be calibrated

1. Switch the left and right trigger stroke gear on the back of the handle to long stroke;
2. When the controller is on, press [X], [VIEW] and [MENU] for 1 second, and the controller channel indicator LED1+LED2 indicator lights on alternately to enter the calibration state;
3. Rotate the left and right rocker of the handle up to 2~3 turns for rocker calibration;
4. Press the left and right trigger 3 times to calibrate the trigger;
5. After the handle is placed on the horizontal table, press [MENU] to complete the calibration.

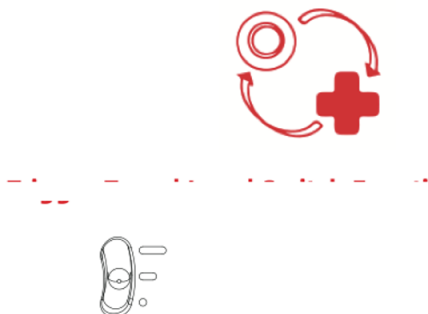
● ABXY Key Value Swap Function

In the powered-on state, pressing [B], [VIEW], and [MENU] for 1 second can swap the ABXY markings according to the Xbox and Switch key values.



● D-Pad and Left Joystick Swap

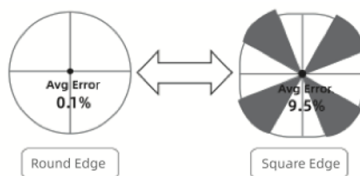
In the powered-on state, pressing [L3], [VIEW], and [MENU] for 1 second can swap the values of the left joystick and the D-pad.



The left and right triggers can adjust the trigger travel. Users can adjust the trigger travel level to the desired position based on the game scenario.

● Joystick Edge Switching

In the powered-on state, pressing [TURBO] and the [Capture] button for 2 seconds can switch the joystick edge.



Enable/Disable associated joystick	Motion Mapping for Left Joystick	Long press [MENU] and [L3] for 3 seconds
	Motion Mapping for Right Joystick	Long press [MENU] and [R3] for 3 seconds
Axis Reverse Switch	X-Axis Reverse	Long press [MENU] and [X] for 1 second
	Y-Axis Reverse	Long press [MENU] and [Y] for 1 second
Motion Sensitivity Adjustment	Increase Y-Axis Sensitivity	[MENU] and [D-Pad Up]
	Decrease Y-Axis Sensitivity	[MENU] and [D-Pad Down]
	Increase X-Axis Sensitivity	[MENU] and [D-Pad Right]
	Decrease X-Axis Sensitivity	[MENU] and [D-Pad Left]
	Sensitivity levels: 5 levels: 20-40-60-80-100 (default is 80)	

● RGB Light Effect Settings

RGB lighting effect On/Off	[A] and [VIEW] and [MENU] for 3 seconds	
RGB lighting effect switch	[VIEW] and [D-Pad Up]/[VIEW] and [D-Pad Down]	
Constant light mode color adjustment	Forward adjustment	[VIEW] and [D-Pad Right]
	Reverse adjustment	[VIEW] and [D-Pad Left]
Constant light mode brightness adjustment	Increase brightness	[VIEW] and [Left joystick - Up]
	Decrease brightness	[VIEW] and [Left joystick - Down]

♥ Macro programming settings

1. Default programming keys

[ML] = D-Pad Left [MR] = D-Pad Right
[M1] = L3 [M2] = R3

2. Programmable macro action keys

Left joystick (up, down, left, right), right joystick (up, down, left, right),
A, B, X, Y, LB, LT, RB, RT, L3, R3, D-Pad , VIEW, MENU

3. Steps for macro programming settings

1. Press and hold [TURBO] and [ML]/[MR]/[M1]/[M2] keys for 2 seconds, channel indicator lights LED2 + LED3 will light up, entering macro definition programming function;
2. Press the function key to be mapped, such as B, X, Y, LB, LT, RB, and after input is complete, press [ML]/[MR]/[M1]/[M2] to exit the programming setting mode, macro programming ends;
3. Pressing [ML]/[MR]/[M1]/[M2] can trigger the programmed action;
4. The function keys for macro programming can map 32 function keys in one programming session.

3. Macro programming clearance

Press and hold [TURBO] and [ML]/[MR]/[M1]/[M2] keys for 2 seconds, channel indicator lights LED2 + LED3 will light up, press the programming key [ML]/[MR]/[M1]/[M2] that needs to be cleared, programming key clearance successful.



1. Programmable function keys: A, B, X, Y, LB, LT, RB, RT, L3, R3, D-Pad ;
2. Press and hold the function key and [TURBO] key to set the function key for rapid-fire.



3、TURBO clear

Hold down the [TURBO] button for 5 seconds to disable all function button combo functions

4、TURBO combo speed adjustment

1. The speed of [TURBO] and [MENU] combo increases
2. The speed of [TERBO] and [VIEW] combo slows down

Controller vibration settings

1. Vibration four levels: Strong (100%), Medium (70%), Weak (30%), Off (0%)
2. Default setting: Medium

3. Vibration level setting: Press and hold the [TURBO] key, then move the [Leftjoystick up/down] to adjust vibration intensity.
Weak vibration: Channel indicator LED1 flashes once
Medium vibration: Channel indicator LED1 + LED2 flash once
Strong vibration: Channel indicator LED1 + LED2 + LED3 flash once
Vibration off: Channel indicator LED1 + LED2 + LED3 + LED4 flash once

● Charging function

Use USB-C data cable for charging

1. Charging power: Standard USB 5V voltage, can use phone charger, computer, etc., to charge the controller. Full charge time is about 3 hours. Fast charging head can be used.
2. Charging indicator
When charging with the controller off: Channel indicator lights flash slowly, and all lights turn off when fully charged. When the controller is on: Channel indicator flashes slowly in the current mode, and stays on when fully charged.
3. Low battery alarm
 - 3.1 When the controller battery is below 30%, the ambient RGB light flashes.
 - 3.2 When the controller battery is below 20%, the ambient RGB light turns off, and the current connection mode channel indicator flashes quickly.

● Sleep function

1. Manual sleep: Long press the [HOME] key for 5 seconds to disconnect Bluetooth and enter sleep mode.
2. When the controller is in the first pairing state, it enters sleep mode after 2 minutes and 30 seconds of no connection.
3. When the controller is in working state, it enters sleep mode after 5 minutes of no button or stick movement.
4. In sleep mode, press the controller's [HOME] key to reconnect/wake up the SWITCH console.

● Reset function

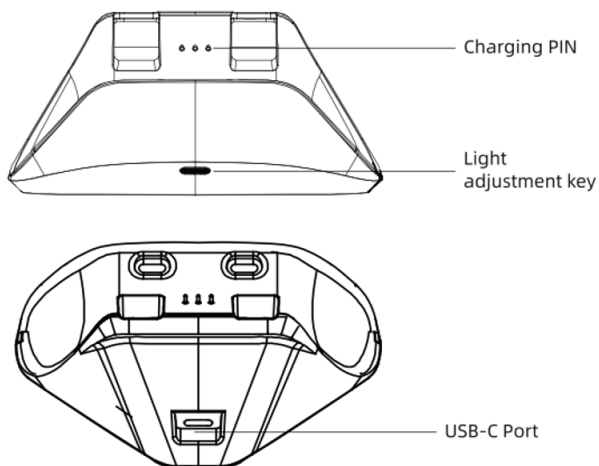
Reset: When the controller experiences functional disorder, freezing, or other abnormalities, press the [Reset button] switch on the back of the controller for 1 second to perform a reset operation.

Controller settings reset: Long press the [TURBO] key for 10 seconds to perform a reset operation. After resetting, TURBO and vibration macro programming will return to default settings.

Supports iOS and Android to download the "KeyLinker" APP, which connects for use and allows programming and upgrade functions. KeyLinker APP download QR code.



Charging dock illustration:



Charging Function

1. Use a USB-C data cable to connect the charging dock to a PC interface or power it through a DC 5V power supply;
2. Place the controller on the charging dock to charge it;
3. When the controller is placed on the charging dock, it will automatically enter sleep mode after 5 minutes of no axis movement or button operation;
4. After removing the controller from the charging dock, it will automatically enter reconnect mode.



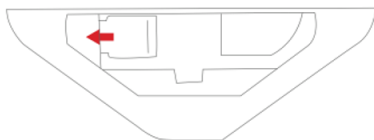
Connecting the Receiver to the Charging Dock

The dock can be used as a USB HUB,

1. Open the cover of the charging dock



2. Insert the receiver into the dock's USB-A interface, and secure the cover tightly.



● Precautions

- Store this product properly when not in use.
- This product should not be used or stored in a humid environment.
- When using or storing this product, try to avoid dust and heavy pressure to prevent affecting its lifespan.
- If this product is damaged due to improper use, such as water immersion, collision, or dropping, please stop using it.
- Do not dry it using external heating devices such as a microwave.
- If damaged, please take it to a repair department promptly; do not disassemble it yourself.
- Do not allow children to play with this product.

● Product Specifications

Product Model	AL-K20
Product Name	Wireless Game Controller
Charging Voltage	DC 5V
Charging Current	400mA
Working Current	No vibration, less than 80mA without RGB
Product Dimensions	Approximately 154*105*54mm
Product Weight	Approximately 260g
Operating Temperature	5-45°C
Storage Humidity	20~80%

● **Product Specifications**

Key Value Button Silk Screen	PC XINPUT	NS	Android HID	iOS
Left joystick	Left joystick	Left joystick	Left joystick	Left joystick
Right joystick	Right joystick	Right joystick	Right joystick	Right joystick
D-Pad	D-Pad	D-Pad	D-Pad	D-Pad
A	A	A	A	A
B	B	B	B	B
X	X	X	X	X
Y	Y	Y	Y	Y
LB	LB	L	L1	L1
LT	LT	ZL	L2	L2
L3	LSB	L3	L3	L3
RB	RB	R	R1	R1
RT	RT	ZR	R2	R2
R3	RSB	R3	R3	R3
VIEW	BACK	-	SELECT	Double click to screenshot
MENU	START	+	START	Pause
O		O		
HOME	HOME	HOME	HOME	