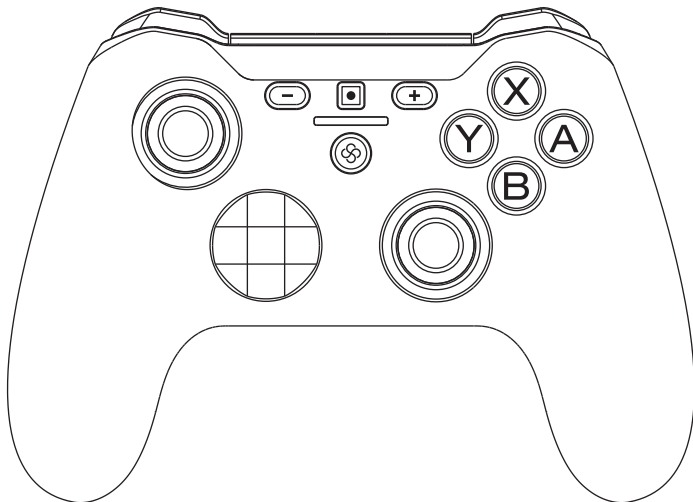


WIRELESS CONTROLLER H510/H511 USER MANUAL











Please visit [sunwaytek.com](https://www.sunwaytek.com) for updates and support.

Scan to view video guides
on YouTube.



Quick Start

▼ Platform Compatibility

| |  |  ¹ |  |  ² |  ³ |  |
|--|---|--|---|--|--|---|
| Wireless  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Wired  | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Motion Control | <input type="radio"/> | | <input type="radio"/> ⁴ | | | |

¹ Including Linux and Raspberry Pi.

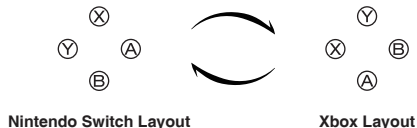
² Starting with iOS 13, iPadOS 13, tvOS 13. No requirements on Mac OS.

³ Currently unavailable for TV.

⁴ Switch Pro Controller mode only.

▼ Keymapping Profiles

ABXY caps are removable for reposition.














▼ Pair & Link

Pair refers to the first time sync with the device. If wirelessly paired with another device thereafter, the stored info of the 1st device will be erased, new pairing has to be done when back to the 1st device.

Link refers to the reconnection to an ever paired device, whose device info has been stored in the controller automatically.

- × Pair methods listed here are the typical to each platform. Read the following guides for more options.
- × Fire devices may support all the 4 pairing methods.

| | | WIRELESS | | | | | WIRED | |
|-------------------|--|---|---|---|--|---|---|-----------------|
| | Operation |  |  |  |  |  |  | |
| Pair* | Press and hold for 2 sec |  |  |  |  | | | |
| Link | Press and hold for 1 sec |  | | | | | | Plug in via USB |
| Disconnect | Option 1 - Force Sleep: press and hold Home button for 5 sec. Option 2 - Auto Sleep: leave the controller without operation in 5 min. Option 3 - Passive Sleep: Disconnect from the connected device side. | | | | | | | Unplug |

▼ Charge the battery

Charge via type C USB cable on DC power supplies (output Voltage 5V, current ≥ 250mA), including but not limited to:

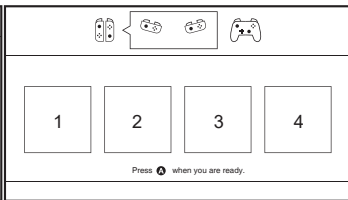
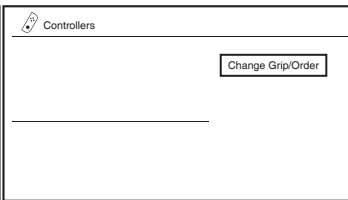
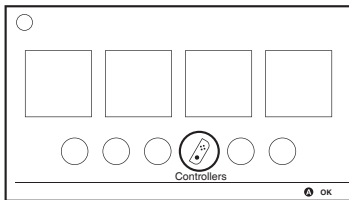
- AC adapter
- Switch dock
- USB port of computer
- others with USB electricity output, like power bank, etc.

The controller supports playing during charging. The 4 LED lights stay lit once full charged.

WARNING: Battery Safety

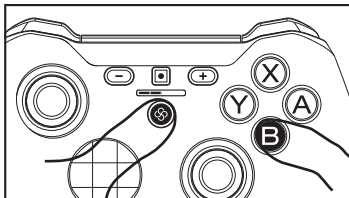
Do not connect to high voltage outlets.
Use only approved charger and cord.
Periodical charging is necessary when unused for long.
Remove the battery if they are worn out and dispose of properly.

Connect to Switch

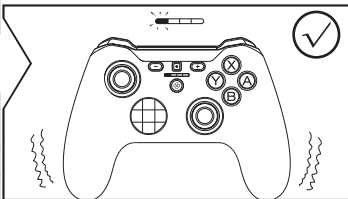


1-1 From the HOME screen, select "Controllers", then "Change Grip/Order", enter pairing screen, stay here.

ⓘ Operate by Joy-con, touch, or a paired controller. ⚠ Ignore the instruction on the last screen.

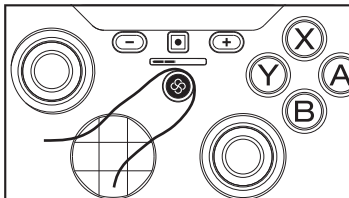



1-2 Press and hold  +  until lights run.

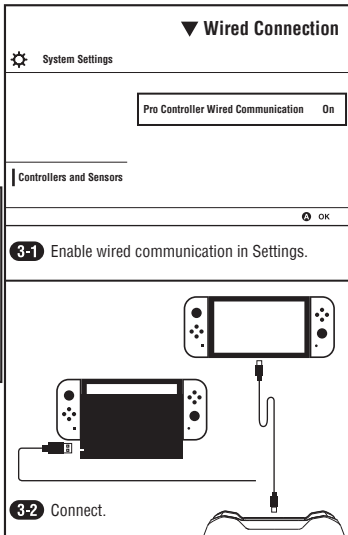


1-3 2-2 Once succeed, certain light(s) stays lit.

× Up to 8 controllers can be paired at the same time to a Nintendo Switch system.

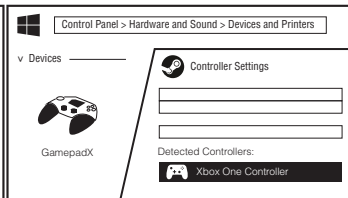
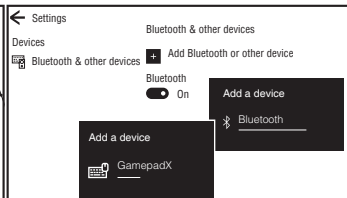
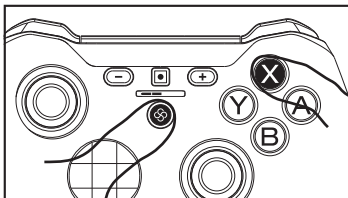


2-1 When the console is on (in any screen), just press  to link.



Connect to PC

▼ Option 1: Bluetooth (Xinput)

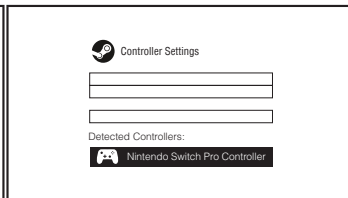
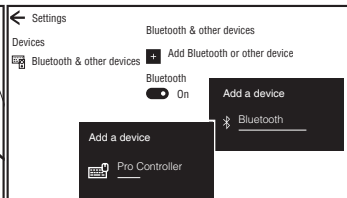
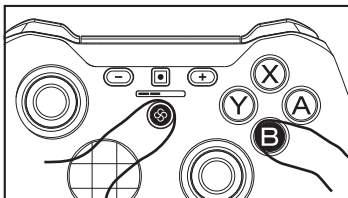


1 Press and hold + until lights run.

2 Turn on Bluetooth, add the device "GamepadX".

Work as Bluetooth XINPUT device in Windows, and Xbox One Controller in Steam.

▼ Option 2: Bluetooth (Switch Pro Controller)

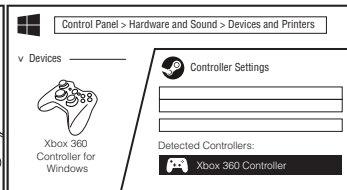
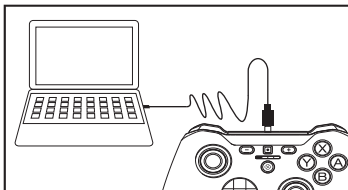


1 Press and hold + until lights run.

2 Turn on Bluetooth, add the device "Pro Controller".

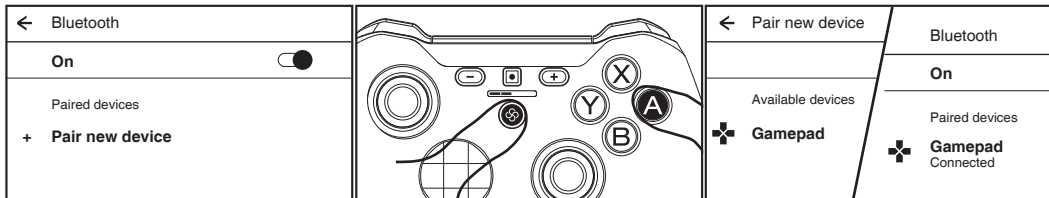
Work as Nintendo Switch Pro Controller in Steam. Support motion control.

▼ Option 3: USB (Xbox 360 Controller)



Connect to Android

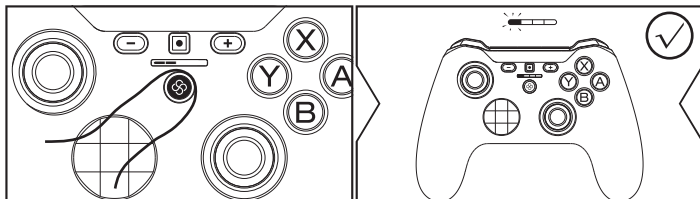
▼ Option 1: Android Gamepad



1-1 Turn on Bluetooth, click "Pair new device".

1-2 Press and hold L1 + A until lights run.

1-3 Find the device "Gamepad" to pair.

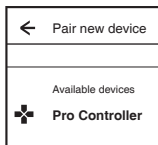


2-1 Just press L1 to link to the device ever paired (ensure Bluetooth is on).

1-4 **2-2** Once succeed, light stays on.

▼ Option 2: Switch Pro Controller

Pairing method for Switch (see **Connect to Switch**) also applies to Android. The controller will be paired as Switch Pro Controller, work in supported games.



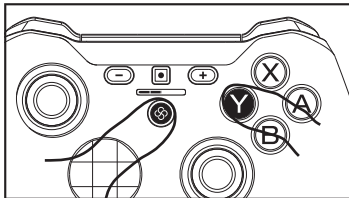
Connect to Linux

Option 1 also applies to Linux or Raspberry Pi, as long as the device has Bluetooth enabled.

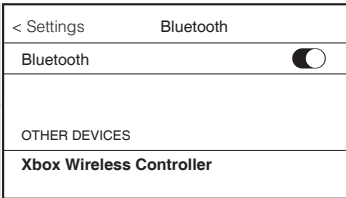
Connect to Fire TV

Amazon Fire OS devices support Nintendo Switch Pro controller, Xbox 360 Controller, Xbox One Controller and Android Gamepad, so all the previously introduced 4 pairing methods may be applicable

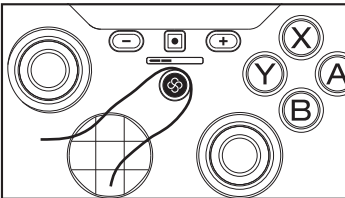
Connect to iOS/iPad OS




1 Press and hold  +  until lights run.

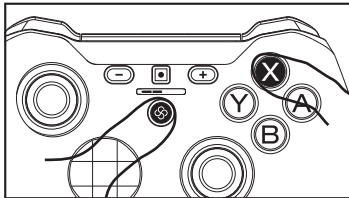


2 Turn on Bluetooth, connect the device "Xbox Wireless Controller". Succeed!

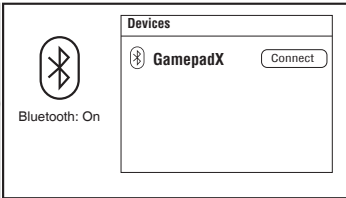


Just press  to link with the device ever paired (ensure Bluetooth is on).

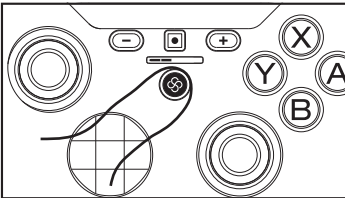
Connect to Mac




1 Press and hold  +  until lights run.



2 Turn on Bluetooth, connect the device "GamepadX". Succeed!



Just press  to link with the device ever paired (ensure Bluetooth is on).