



# User manual of Serafim S1 controller for PC and phones

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Get the user  
manual here



# Disclaimer

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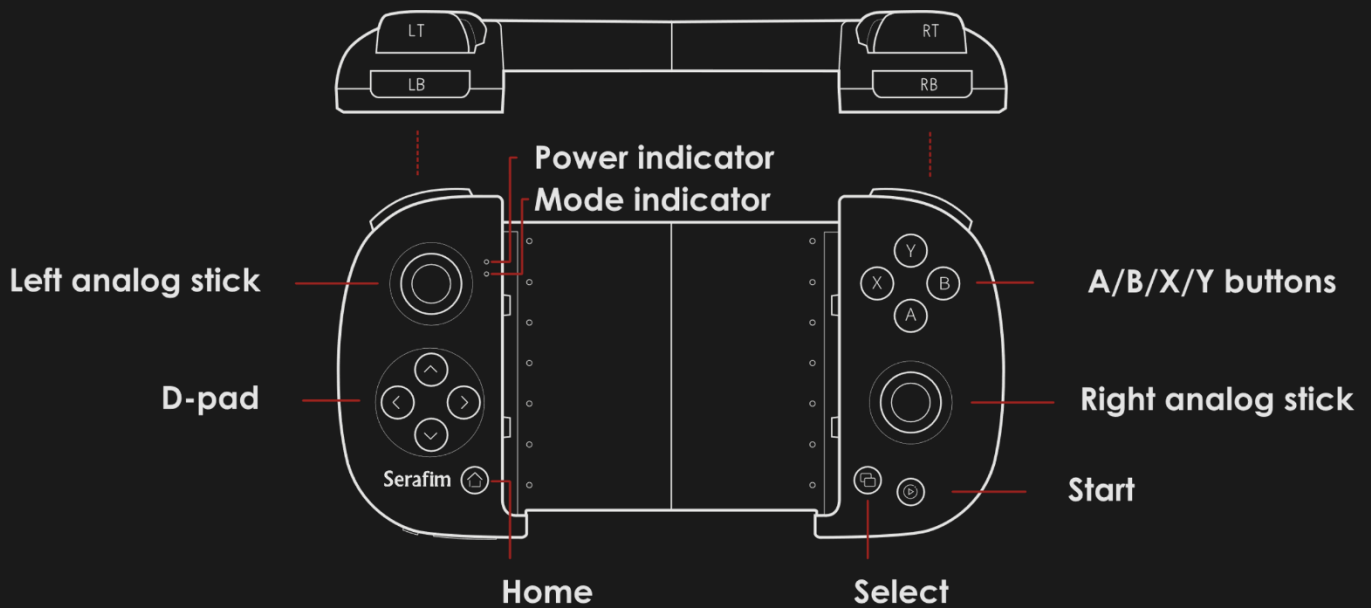
# Warranty

This product has one-year Serafim warranty service, only in these following cases should not be content into warranty of Serafim:

1. The product is repaired, modified or altered, unless such repair, modification or alteration is authorized in written form by Serafim.
2. In all cases the commencement date for the period is one year since the actual day of purchase, as reflected on the authorized reseller's or distributor's invoice / receipt provided to you.

**\* Serafim does not account for responsibilities from problems (Such as games unable to connect to this product) due to irresistible factors such as official game platform software upgrades or source code changes, and reserves the right of final interpretation.**

# Component names



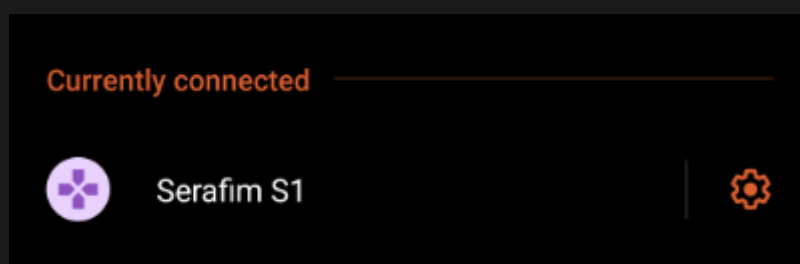
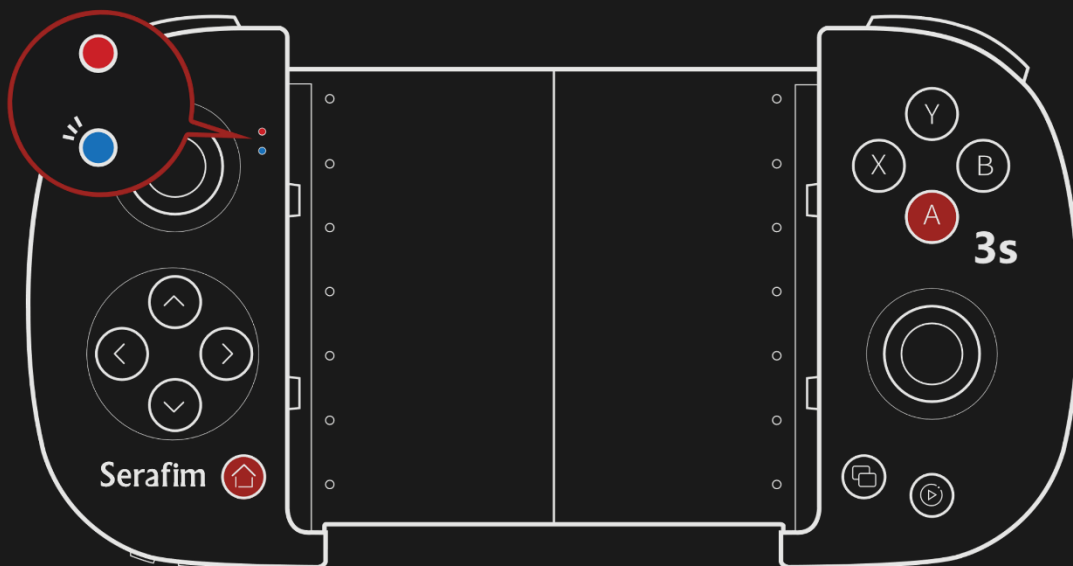
- Digital ABXY function buttons
- Digital ↑↓←→ arrow buttons
- Digital START, SELECT, HOME buttons
- Left analog stick (LS) , press it down for digital SL button
- Right analog stick (RS) , press it down for SR button
- Digital LB, LT, RB, RT buttons

# How to use

## Serafim S1 mode switching

- **Android mode**

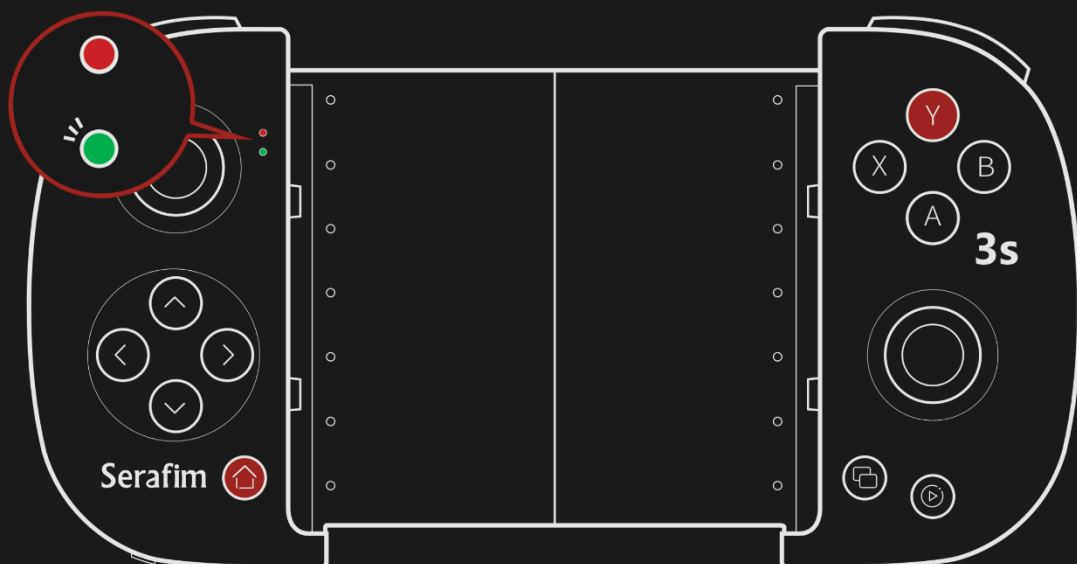
Firstly, press power button located on the lower left of Serafim S1 to turn it on. Hold Home + A button for 3 secs for switching to Android mode. The indicator will turn to blue and start blinking. Next, open Settings on phone and pair with Serafim S1 via Bluetooth. The blinking speed will be slower when the connection succeeds.



\* Some smartphones don't meet the minimum requirement of this product. In this case, you could hold Home + X button for 3 secs to switch to HID mode. In this mode, games such as PPSSPP, Steam Link, Real Racing 3, Asphalt 8/9 are fully supported. (Read "Safety Notes" for details)

- **iOS mode (supports up to iOS 13.3)**

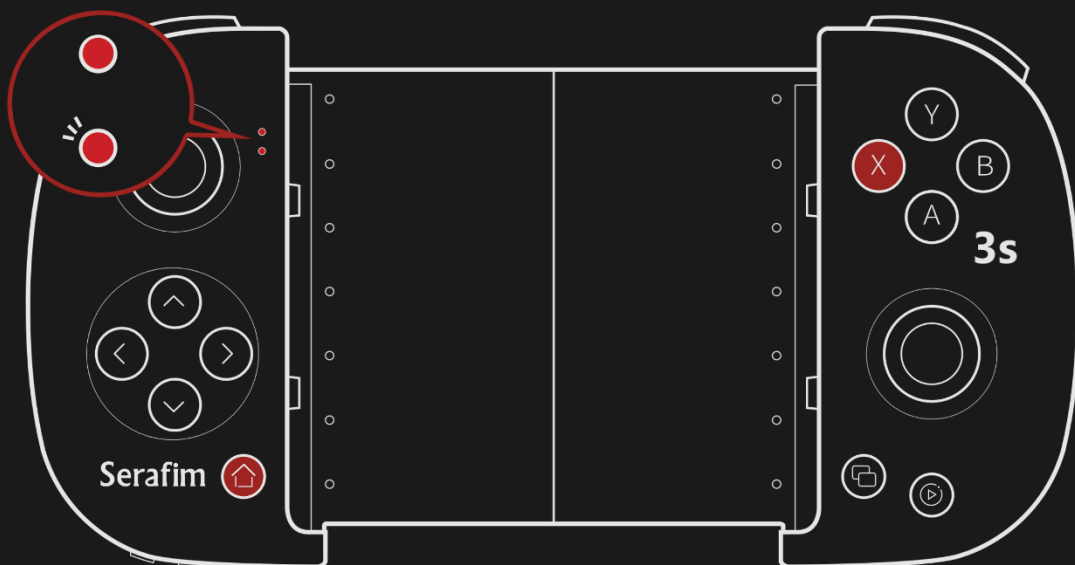
Firstly, press power button located on the lower left of Serafim S1 to turn it on. Hold Home + Y button for 3 secs for switching to iOS mode. The indicator will turn to green and start blinking. Next, open Settings on phone and pair with Serafim S1 via Bluetooth. The blinking speed will be slower when the connection succeeds.





## ● PC mode (HID, MTK mode)

Firstly, press power button located on the lower left of Serafim S1 to turn it on. Hold Home + X button for 3 secs for switching to PC(HID) mode. The indicator will turn to red and start blinking. Next, open Settings on phone and pair with Serafim S1 via Bluetooth. The blinking speed will be slower when the connection succeeds.



# Compatible games



Heroes Arena



Boxing Star



Golden Axe Classics



Hungry Shark Evolution



Mario Kart Tour



Mobile Legends: Bang Bang



1945



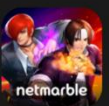
Power Rangers: Legacy Wars



Shadow Fight 3



Sonic Forces



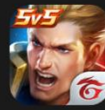
The King of Fighters ALLSTAR



Subway Surfers



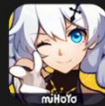
Zooba



Arena of Valor



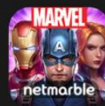
Call of Duty M



Honkai Impact 3rd



Injustice 2



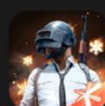
MARVEL Future Fight



Mortal Kombat



ONE PIECE Bounty Rush



PUBG MOBILE



Sonic Dash



Garena Speed Drifters



Streets of Rage 2 Classic



Super Mario Run

More than 25 games are supported.

# Button customization

Firstly, get a “Serafim Play” app for free on App Store or Google Play.



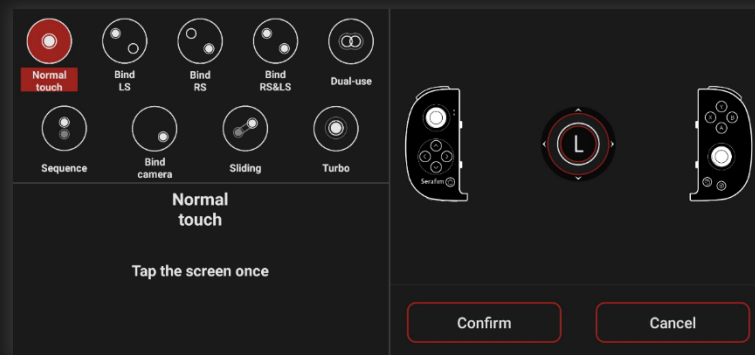
Serafim Play is a smartphone app that allows you to customize button mapping or record macros for your favorite games. In fact, there are already 25 and more popular games are preset in this app. All you need to do is to pick a game you'd like to play and get started!



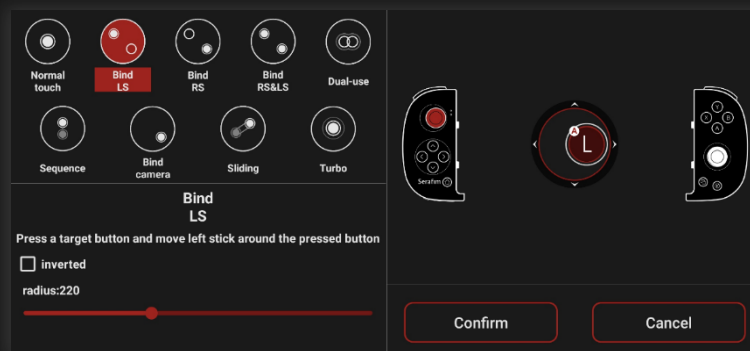
Open the "Serafim Play" application, which will automatically connect to Serafim S1 via Bluetooth

# Overview of button customization

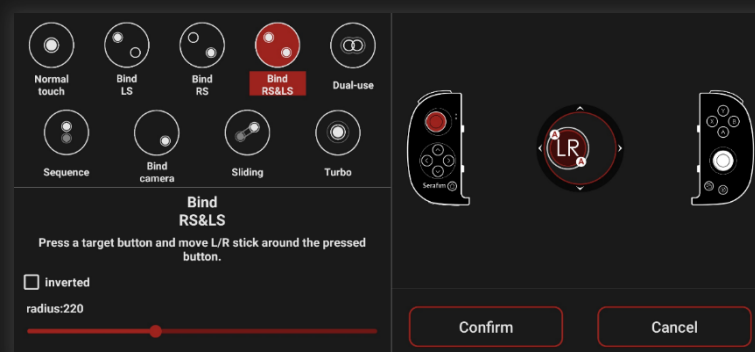
1. Normal touch: Tap the screen once.



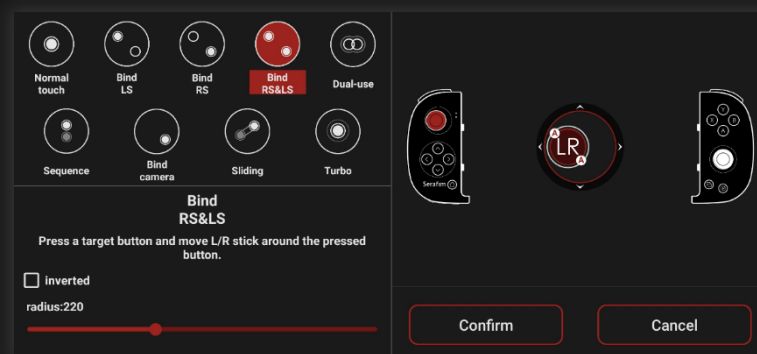
2. Bind LS: Press a target button and move L/R stick around the pressed button.



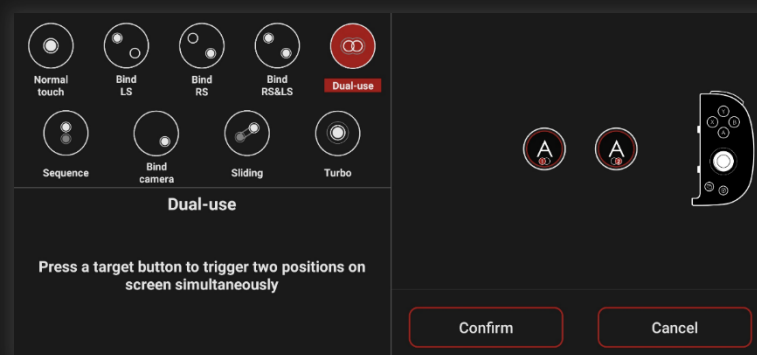
3. Bind RS: Press a target button and move right stick to look around.



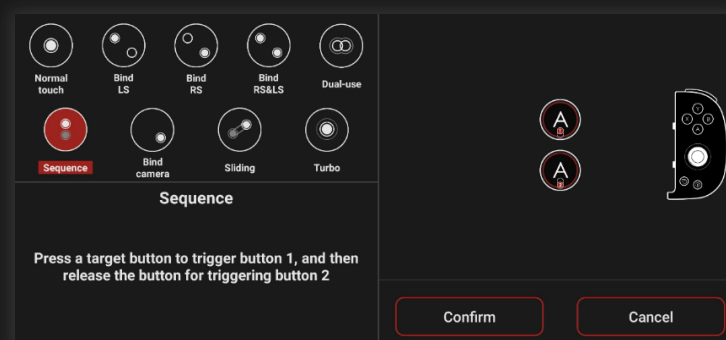
4. Bind RS&LS: Press a target button and move L/R stick around the pressed button.



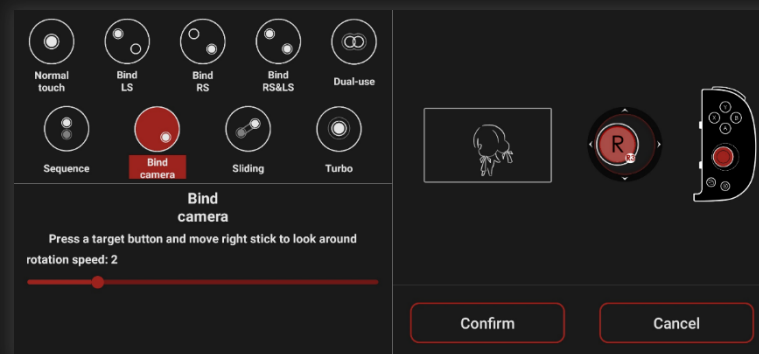
5. Dual-use: Press a target button to trigger two positions on screen simultaneously.



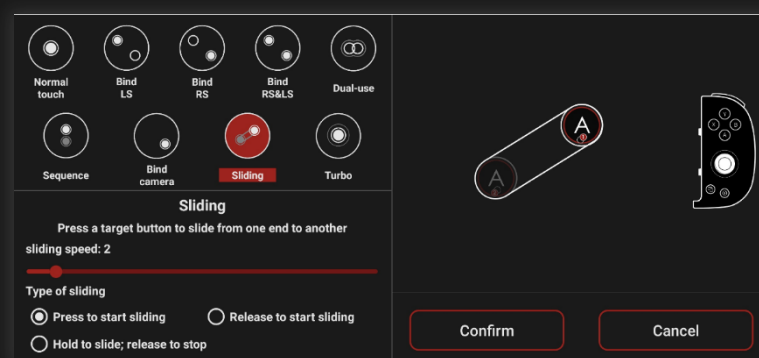
6. Sequence: Press a target button to trigger button 1, and then release the button for triggering button 2.



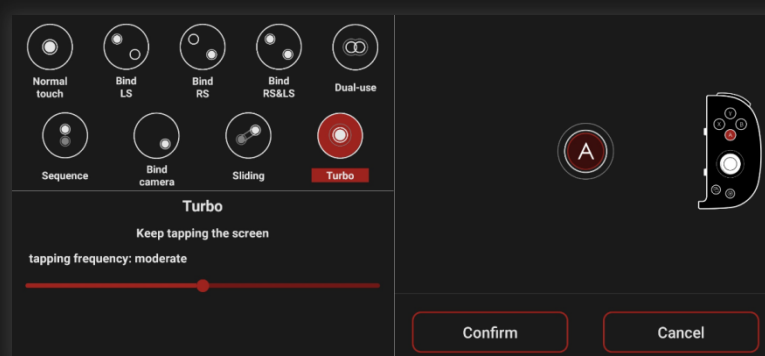
7. Bind camera: Press a target button and move right stick to look around.



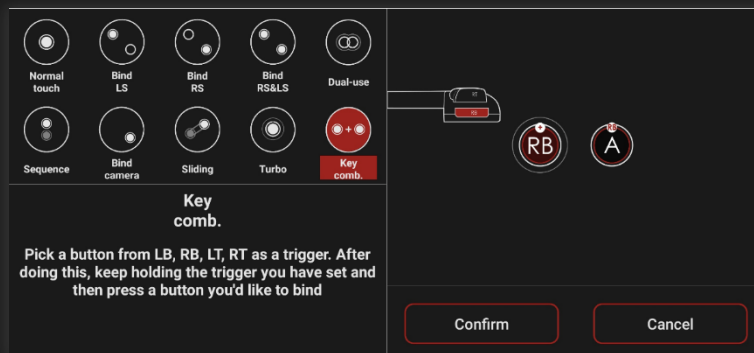
8. Sliding: Press a target button to slide from one end to another.



9. Turbo: Keep tapping the screen.



10. Key comb.: Pick a button from LB, RB, LT, RT as a trigger. After doing this, keep holding the trigger you have set and then press a button you'd like to bind.



## Enable customization overlay

1. Turn on Serafim S1, press HOME + A button for switching to Android mode. (Flickering blue indicator means that the controller is searching for a phone.)
2. Enable Bluetooth on your phone and pair with a device which is called Serafim S1. The flickering speed of blue indicator may get slower when the connection to the phone succeeds.
3. Open Serafim Play and login.

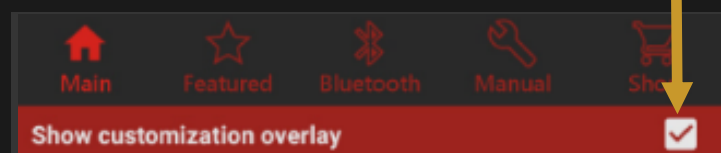
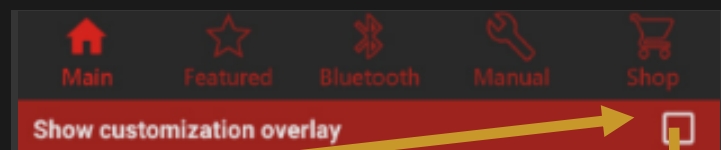
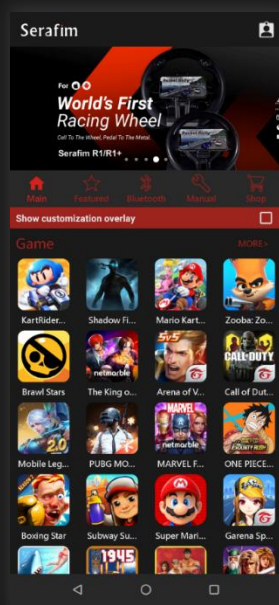




4. Select “Serafim S Series”.



5. In the main screen, press the square on the right to activate customization overlay. There will be a floating gadget and then tap the controller icon in order to customize button mapping.



# Button customization setup

## Android

### Create button mapping profile

1. Open a game, go to a scene that shows all virtual buttons on the screen.
2. Tap controller icon on the left side of the floating gadget for entering customization settings.
3. Press a button on the controller, and it will appear on the center of the phone screen.
4. Drag the appeared button to a position that you want.
5. Tap the button on the screen to enter advanced options.
6. Tap “Save” button to name and save your button mapping profile. Tap “OK” to bind the profile to a current running game.

## **Edit button mapping profile**

1. Open a game, go to a scene that shows all virtual buttons on the screen.
2. Tap controller icon on the left side of the floating gadget for entering customization settings.
3. You could alter a position of a button or tap it on the screen to enter advanced options.
4. Tap “Save” button to name and save your button mapping profile. Tap “OK” to bind the profile to a current running game.

# Examples of custom button mapping

## A: Game 1: Subway Surf

1. Pair Serafim S1 with your phone and launch Serafim Play app. Tap “S series” and activate button customization overlay.
2. Enter the game, take screenshot and access the picture in an album.



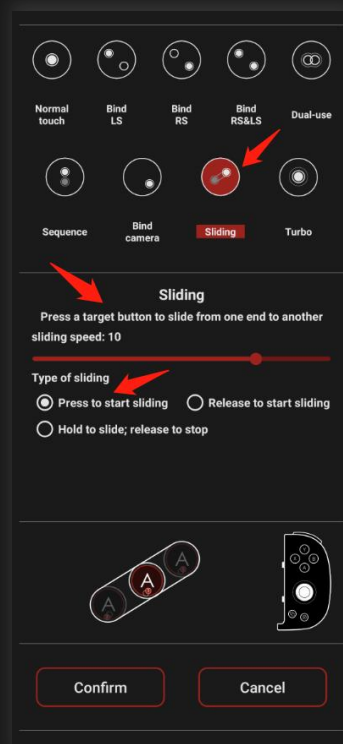
3. Tap controller icon on the left side of the floating gadget.



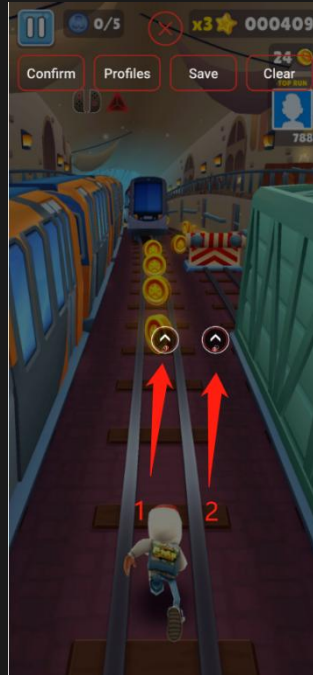
4. Press up arrow key with Serafim S1, and the button will appear on the center of the screen.



5. Press the icon to enter advanced options. Change it to “Sliding” and alter the sliding speed to the value, 10. Press “Confirm” to finish.



6. There will be an icon marked with number 2 which means the end of the sliding.



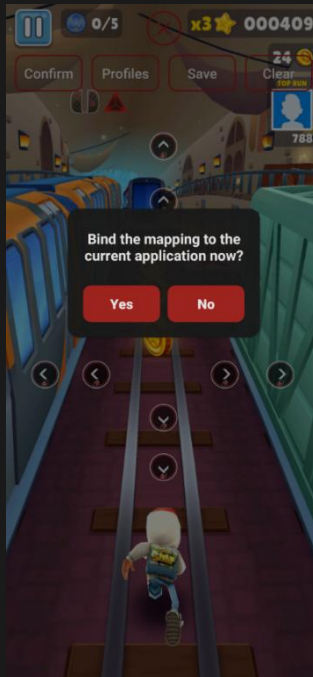
7. Move the icon marked with number 2 to the appropriate position.



8. Set left, down, and right arrow keys respectively.

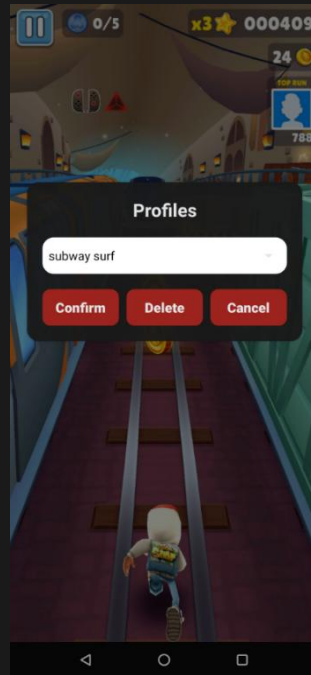


9. Tap “Confirm” to bind the button mapping to the current game.





10. Alternatively, tap “Save” to save it as a new profile for later use.



# Button customization setup

## iOS – Add new games

**(Supports up to iOS 13.3)**

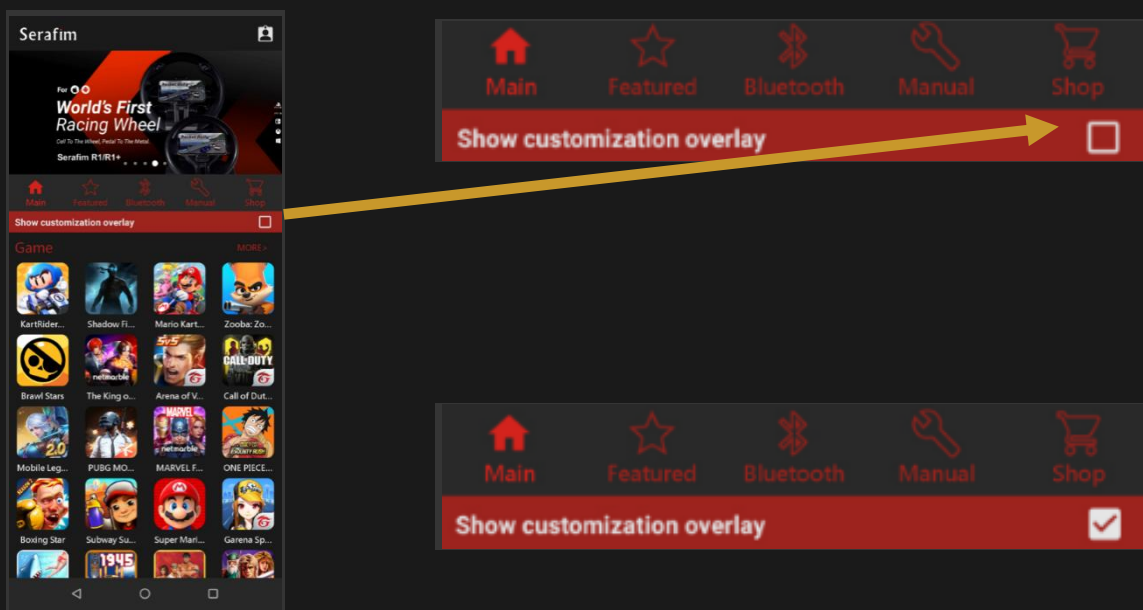
1. Turn on the power of Serafim S1, press the Home + Y button for switching to iOS mode. (If the green indicator on the left side of the controller starts blinking, it means that it's searching for devices.)
2. Switch on Bluetooth on a phone and tap a device which is called "Serafim S1". The blinking speed will be slower if the pairing succeeds.
3. Open Serafim Play app, and log in to your account.



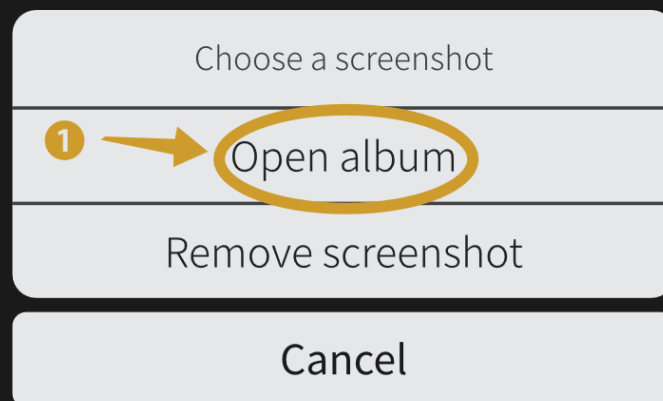
4. Select “Serafim S Series”.



5. In the main screen, press the square on the right to activate customization overlay. There will be a floating gadget and then tap the controller icon in order to customize button mapping.



6. Open the game you'd like to start button customization. Go to a session with all buttons shown on the screen and take a screenshot of it.
7. Go back to Serafim Play and enter the customization screen
8. Hold any empty area on the screen. There will be a pop-up of screenshot options.
9. Select "Open album" and pick a screenshot.



10. Press a button you'd like to make changes or drag it to adjust the position.

11. Press “Save” to save it as a profile, or press “Confirm” to bind the current mapping to the S1 controller.

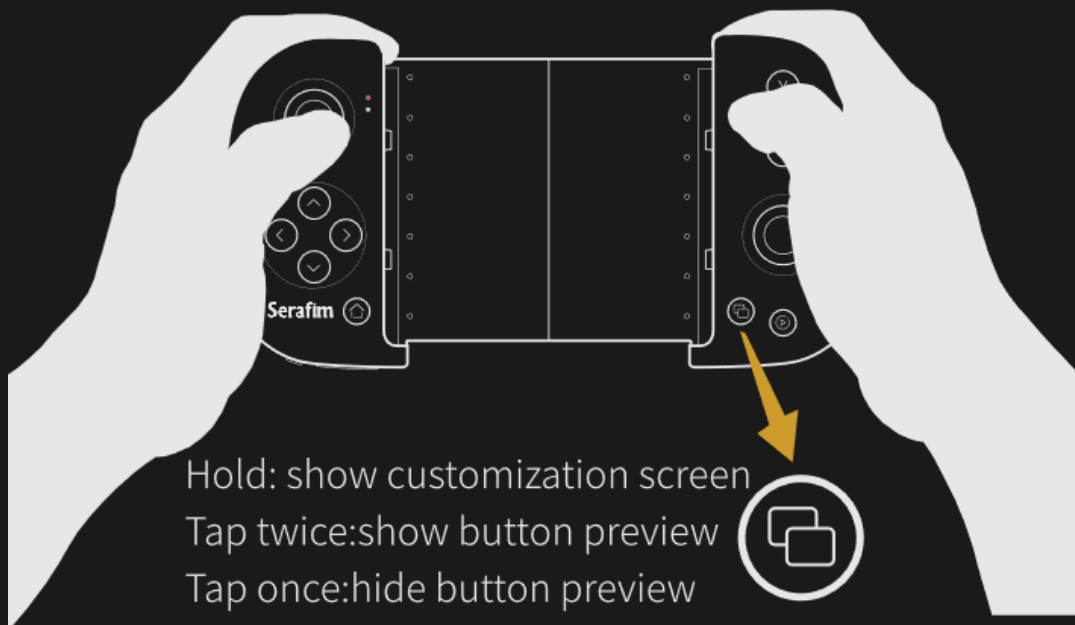
## **Edit button mapping profile**

1. Tap controller icon on the left side of the floating gadget for entering customization settings.
2. You could alter a position of a button or tap it on the screen to enter advanced options.
3. Tap “Save” button to name and save your button mapping profile. Tap “OK” to bind the profile to a current running game.

# Hotkeys of button customization

## (Supports Android only)

1. Hold Select: Show customization screen
2. Tap Select twice: Show button preview
3. Tap Select once: Hide customization screen/button preview window



# Macros of Serafim Play

## Android

Macros are set of pre-recorded inserts for performing repetitive or complex actions in a game. Start recording your macros with single button and play or save it at the way you like.

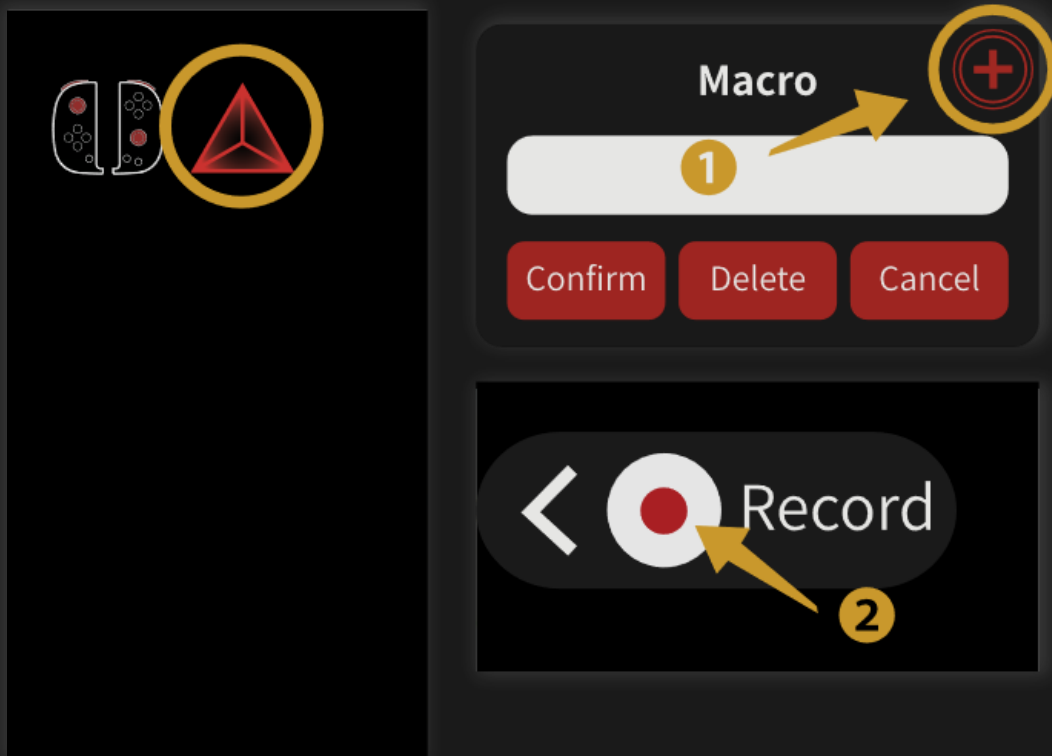
### Record your first macro




1. Pair Serafim S1 with your phone via Bluetooth.
2. Open Serafim Play and tap “S series”



Serafim Play

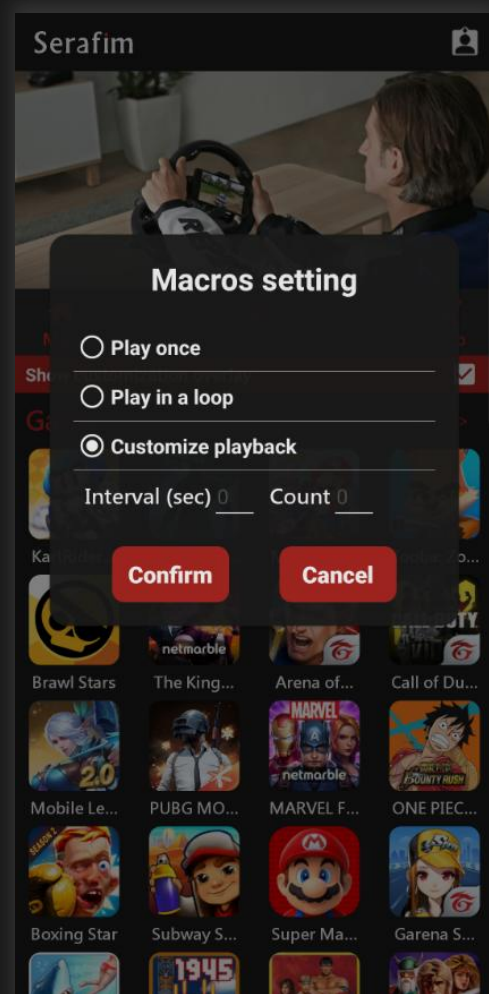
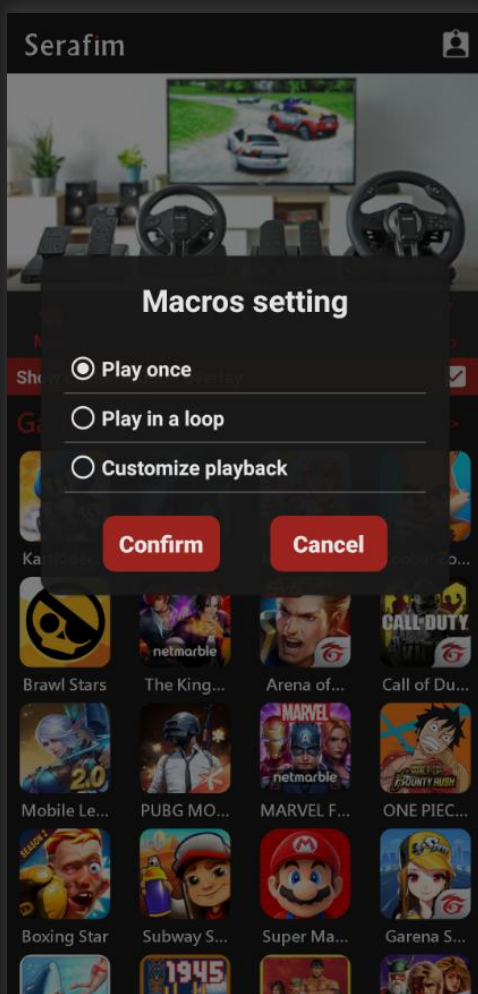
3. Enable button customization overlay and tap, “”, the macro icon.



4. Tap “” icon to create a new macro
5. Tap “” icon to start recording macro
6. Tap “” to finish recording
7. There will be a pop-up window for you to name your previously recorded macro.




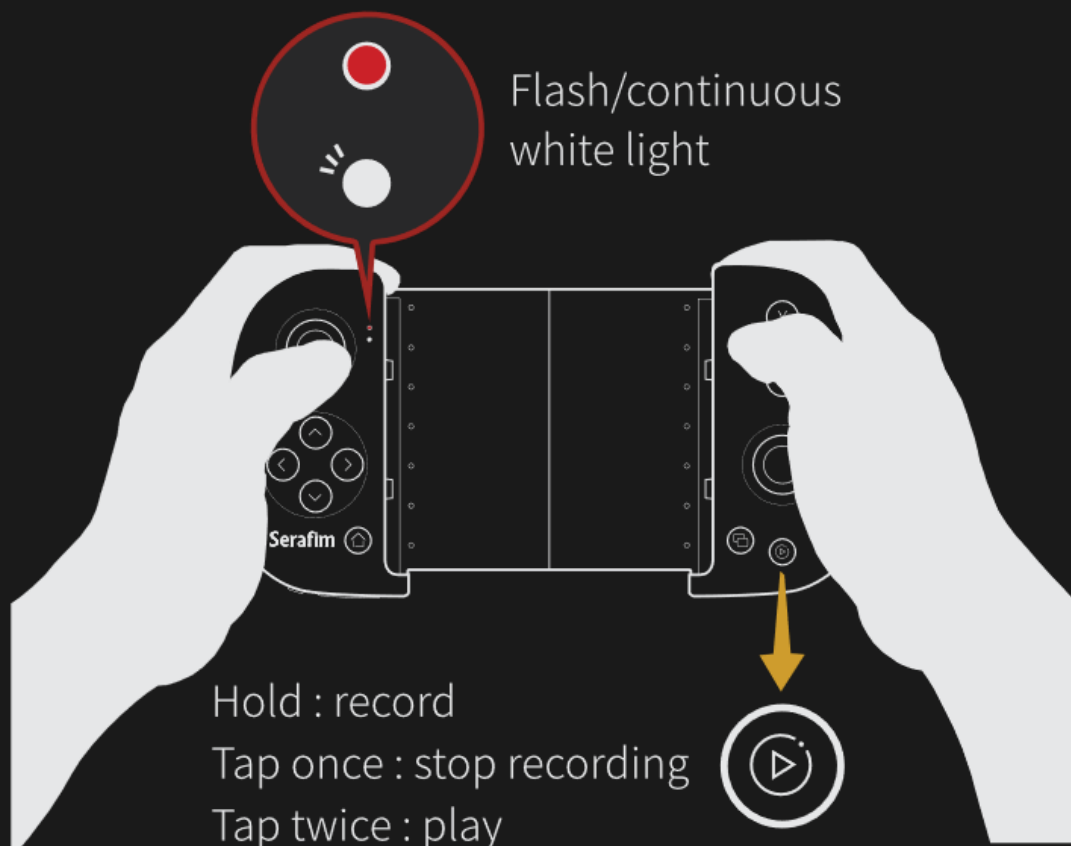
- \* You could find your recorded macros from a macro list. Pick one and choose your desired playback method. There are three methods available to choose including “Play once”, “Play in a loop”, and “Customize playback”.



# Hotkeys of macro recording

## (Supports up to iOS 13.3 & Android)

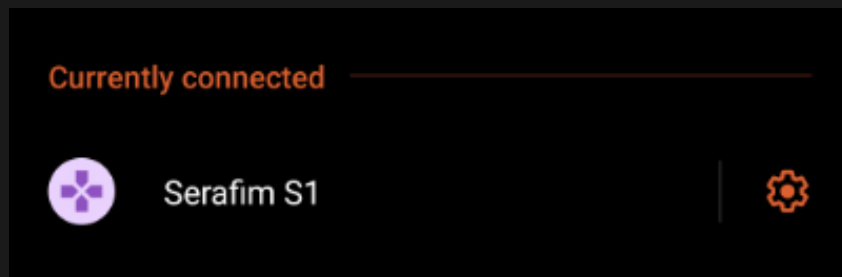
4. Firstly, pair Serafim S1 with your phone.
5. Open Serafim Play app, tap “S series”
6. Enter a game that you want to record macros. Hold Start button to start recording, and the white indicator will start blinking. Tap once to stop.
7. Tap twice to play the recorded macros, and the indicator will turn to continuous white light.
8. Go back to Serafim Play app and activate the customization overlay. Tap “” the macros icon. Pick a pre-recorded macro and initiate the playback.



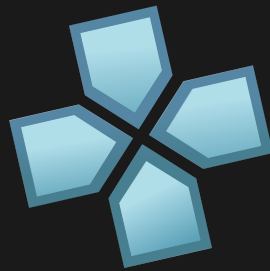
# How to use on PPSSPP

## HID mode for Android

1. Switch Serafim S1 to HID mode and pair with your phone. (Read Page 7 for details.)



2. Open PPSSPP

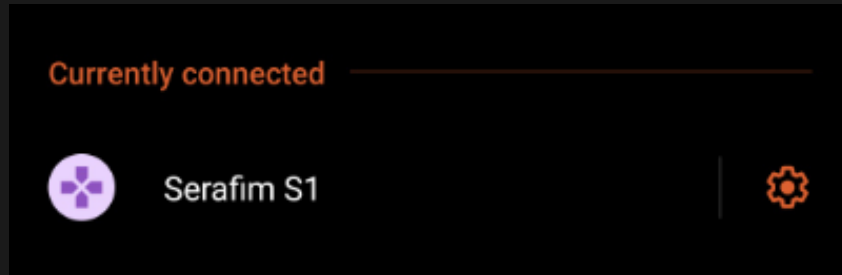


PPSSPP

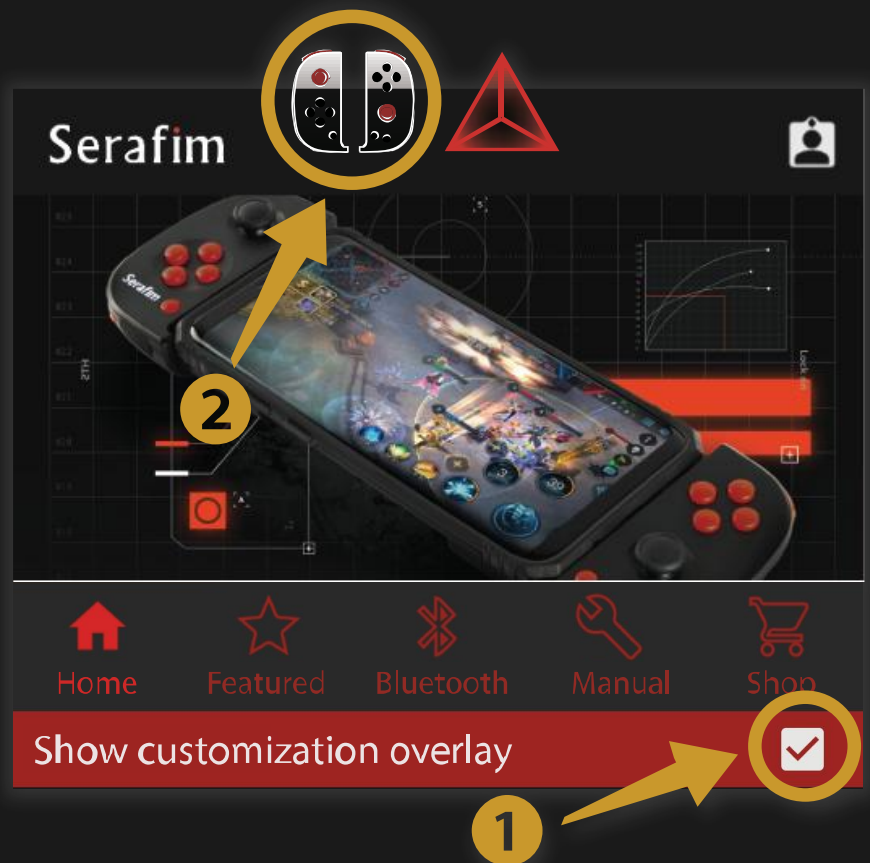
3. You are all set! No additional settings are needed.

## Touch mode for Android

1. Switch Serafim S1 to Android mode and pair with your phone. (Read Page 5 for details.)



2. Open Serafim Play and tap “S series” and enable button customization overlay.



### 3. Launch PPSSPP

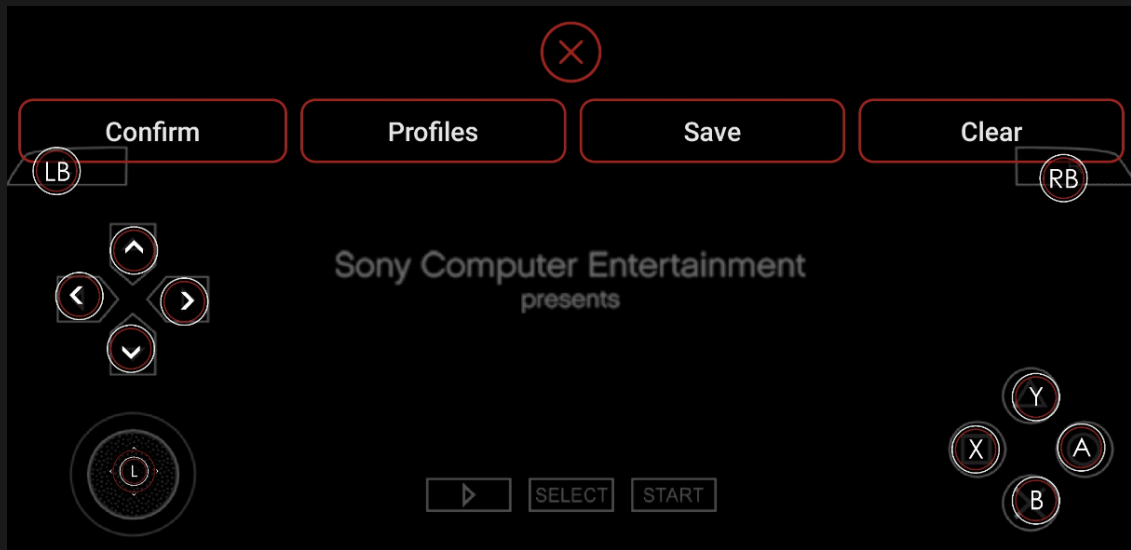


## PPSSPP

4. There will be virtual buttons on the screen when you enter a game.
5. Tap the controller icon on the floating gadget to start assigning buttons.



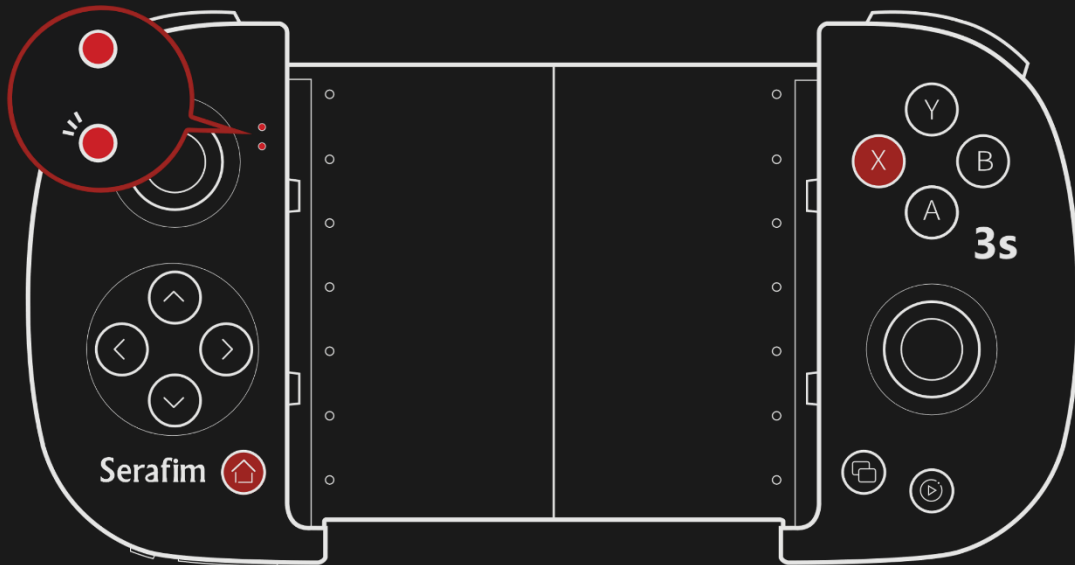
6. Tap “OK” or “Save” button to finish the setup.



# Serafim dongle

## Windows 10

1. Switch Serafim S1 to HID mode.



2. Plug Serafim dongle to the PC and enjoy your games.



Microsoft Store



Battle.net



Epic Games



PPSSPP

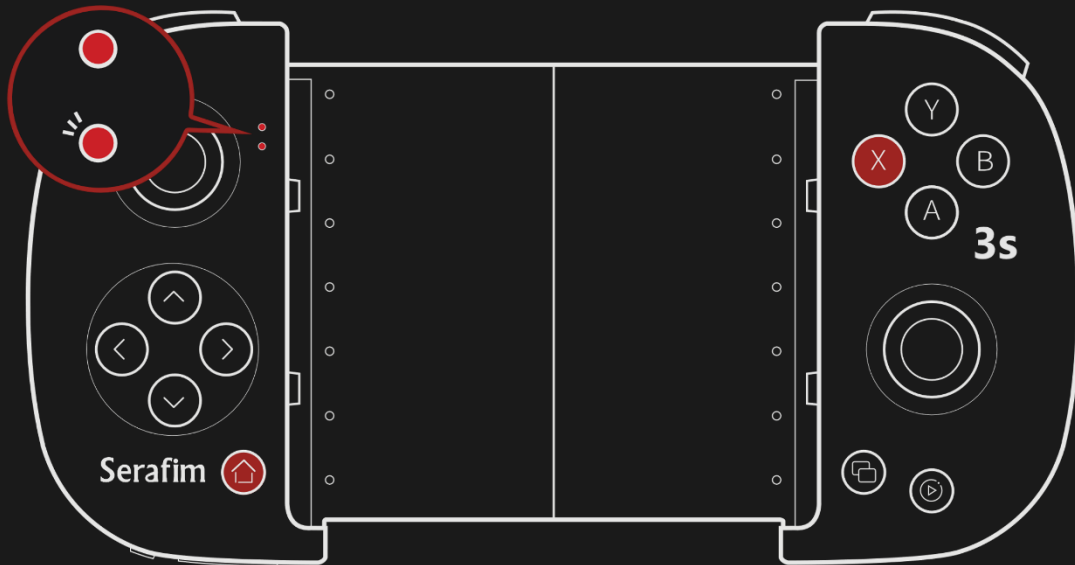


Steam

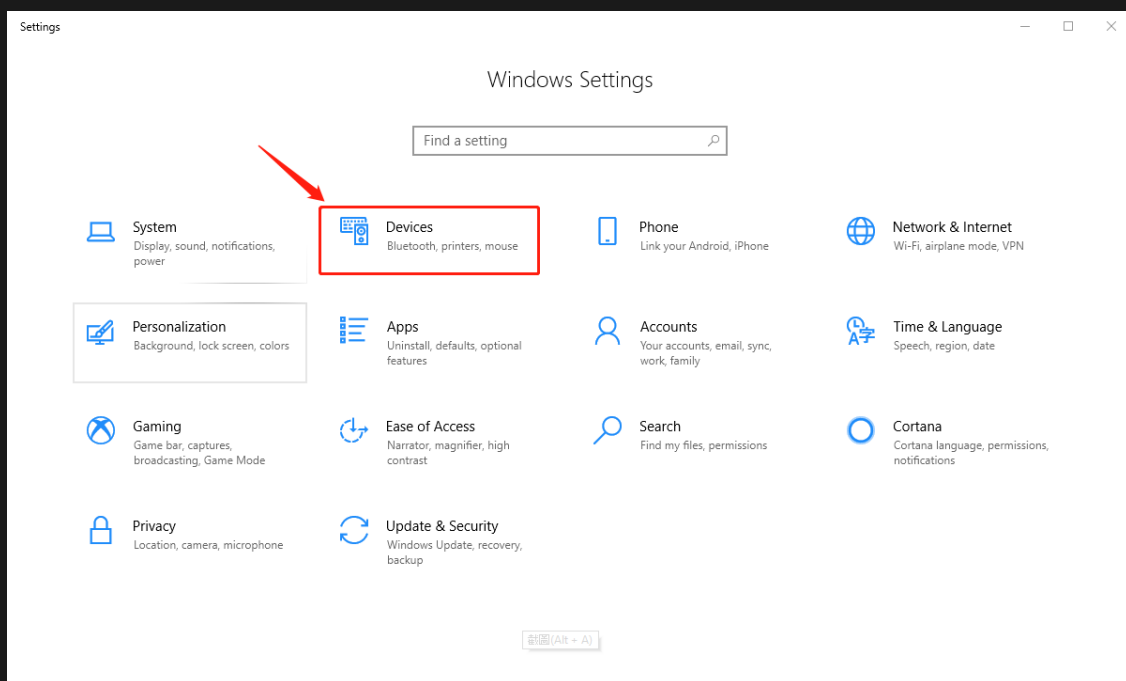
# HID mode

## Windows 10

1. Switch Serafim S1 to HID mode.

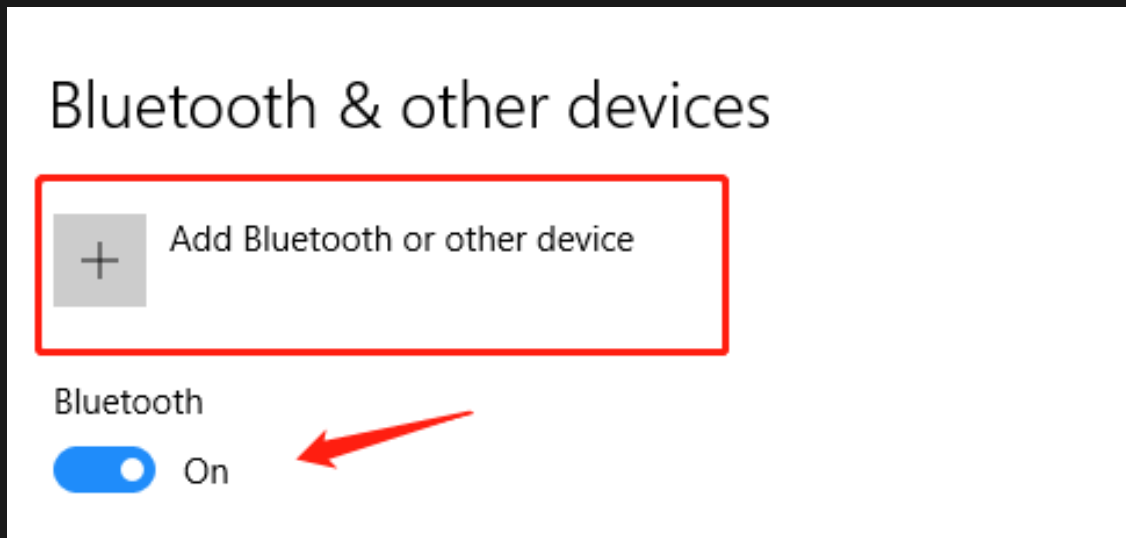


2. Plug in a Bluetooth dongle to your PC. Go to [Windows Settings] > [Devices]

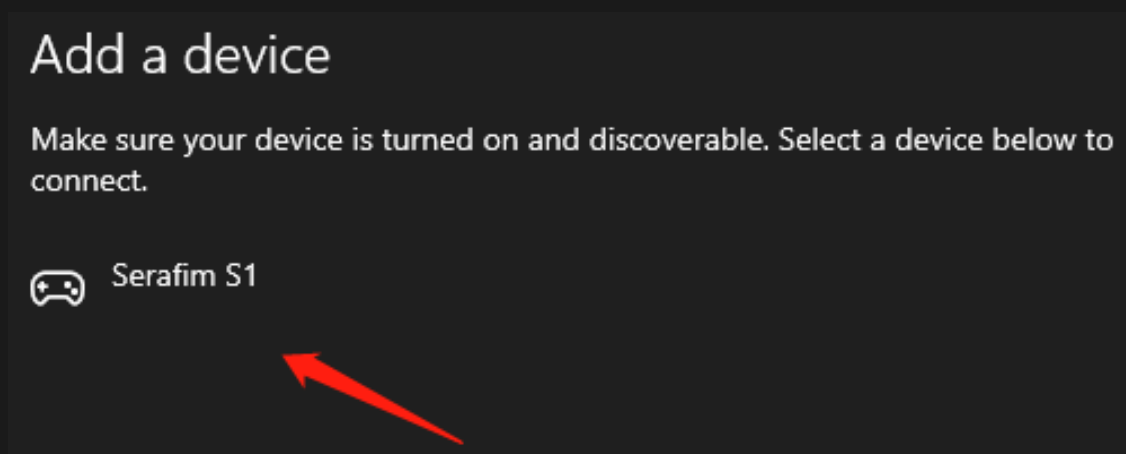
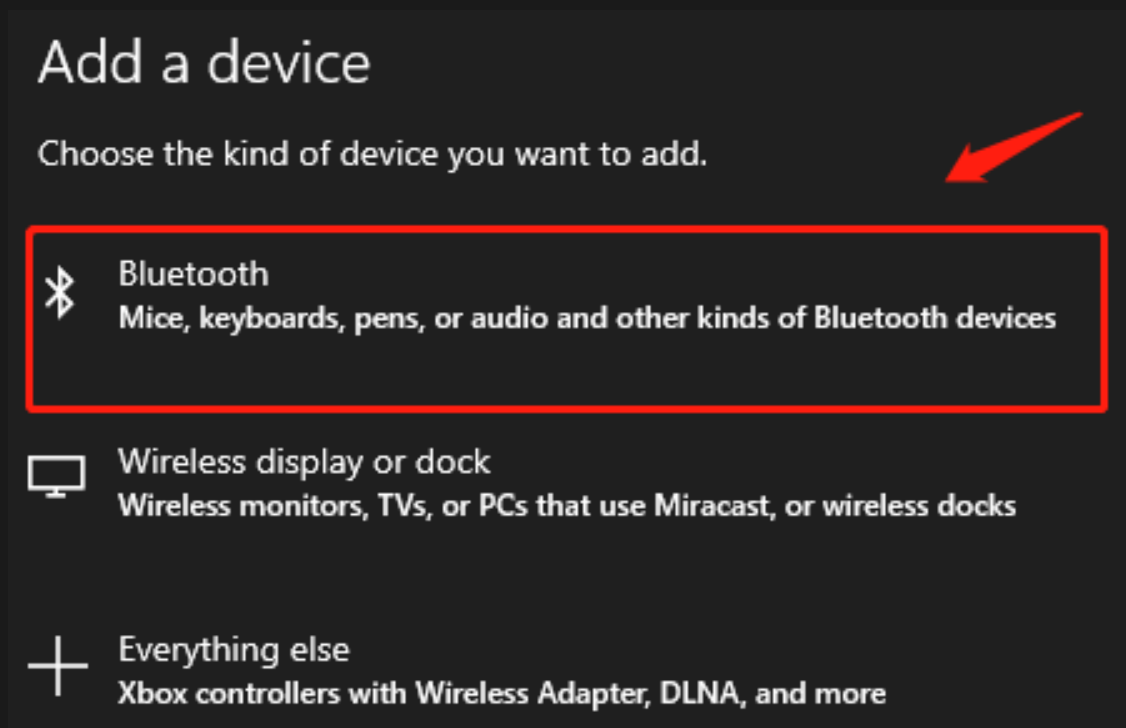




3. Turn on Bluetooth and click “Add Bluetooth or other device”



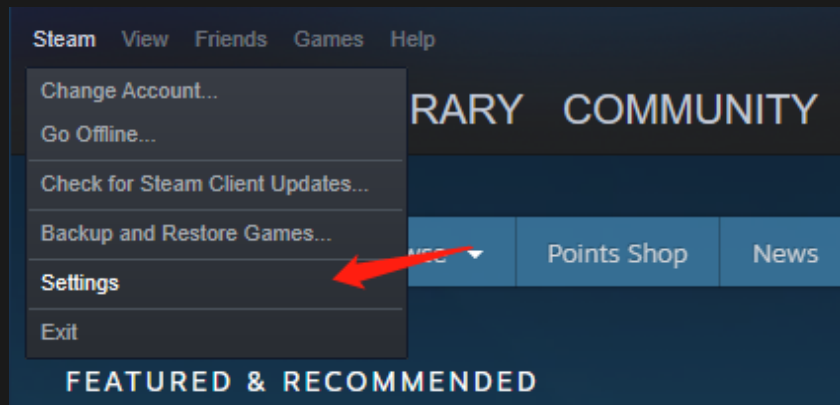
4. Choose Bluetooth to pair with Serafim S1



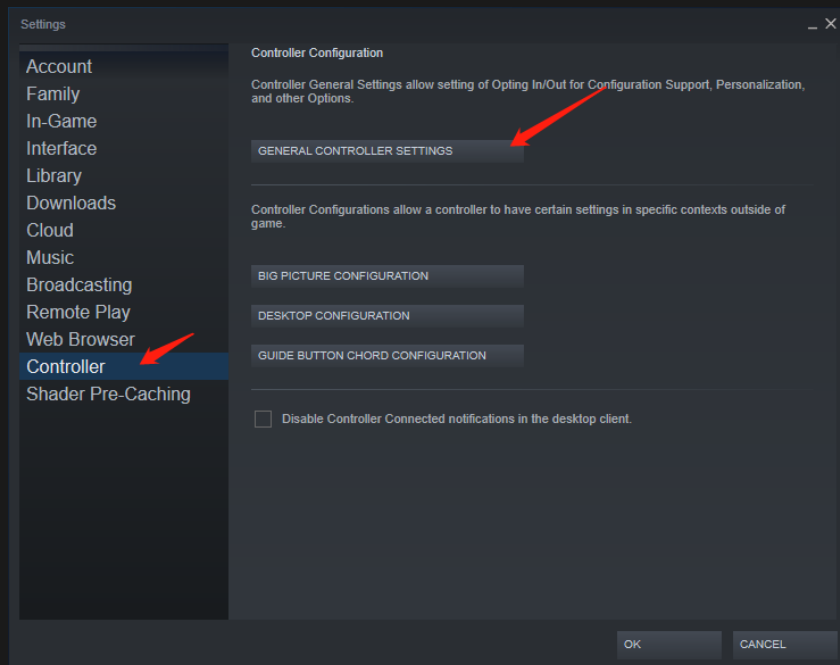
# How to use on Steam

## Windows 10

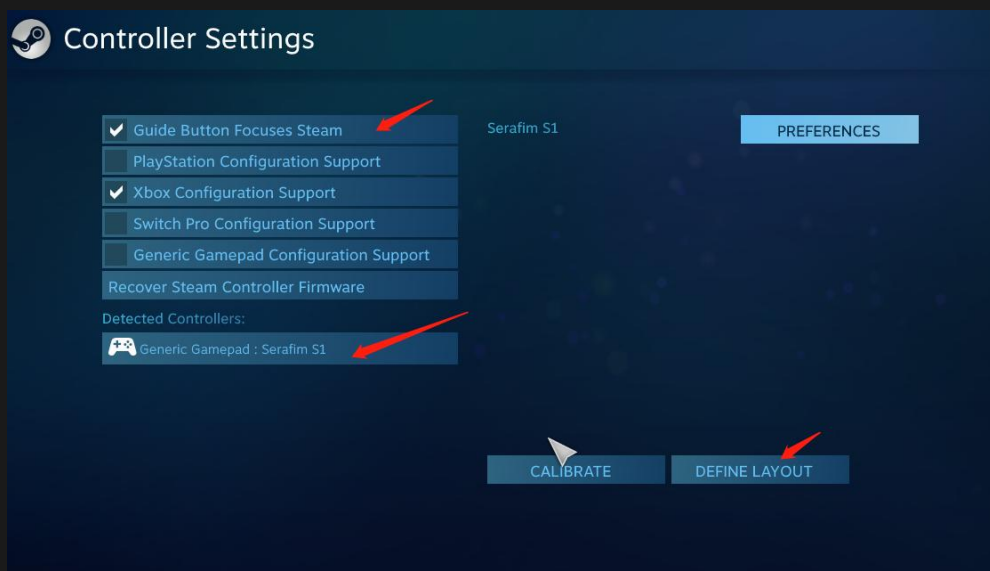
1. Switch Serafim S1 to PC mode and pair with your computer. Open Steam settings.



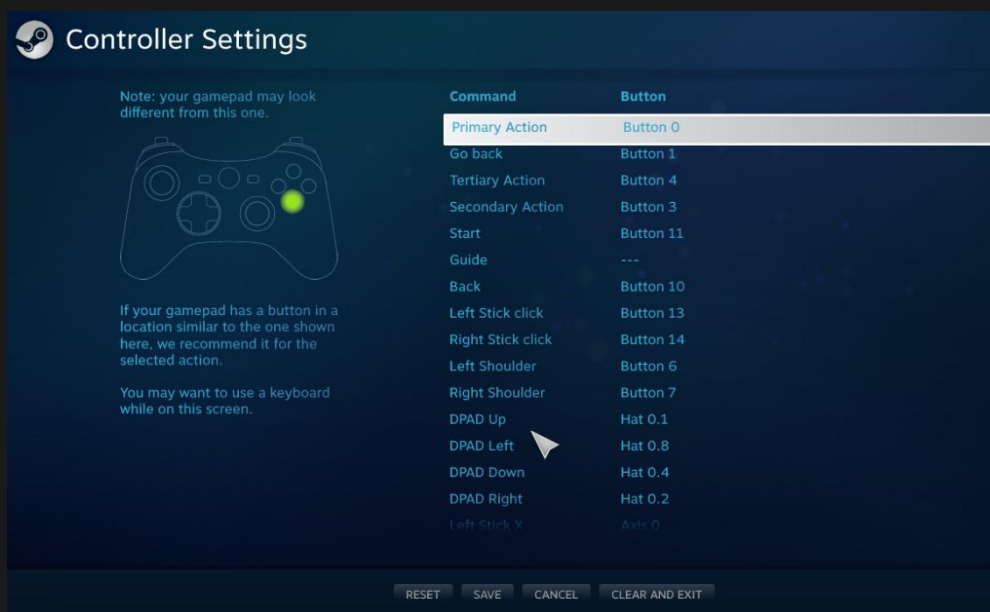
2. Select "Controller", and press "GENERAL CONTROL SETTINGS" button.



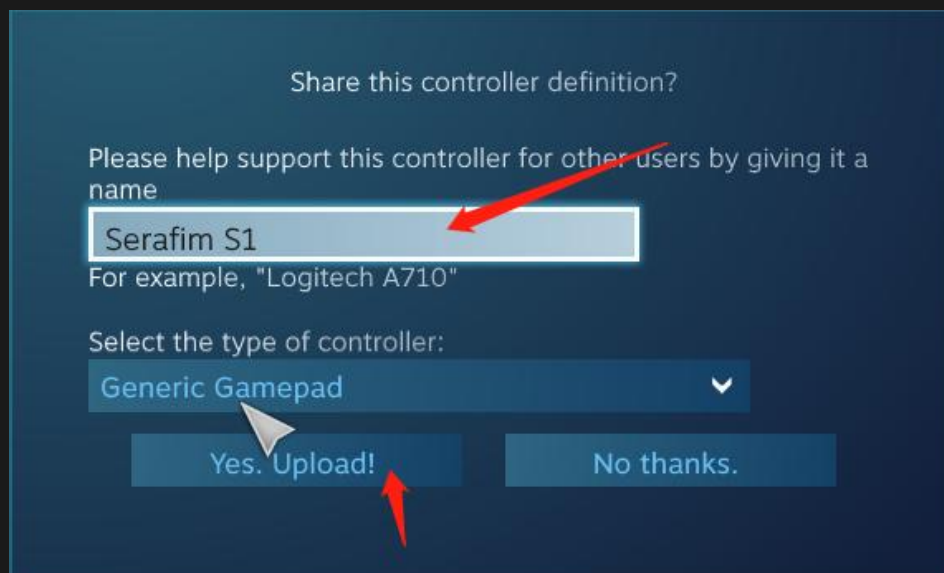
3. Tick “Generic Gamepad Configuration Support”, click the detected controller and press “DEFINE LAYOUT” button



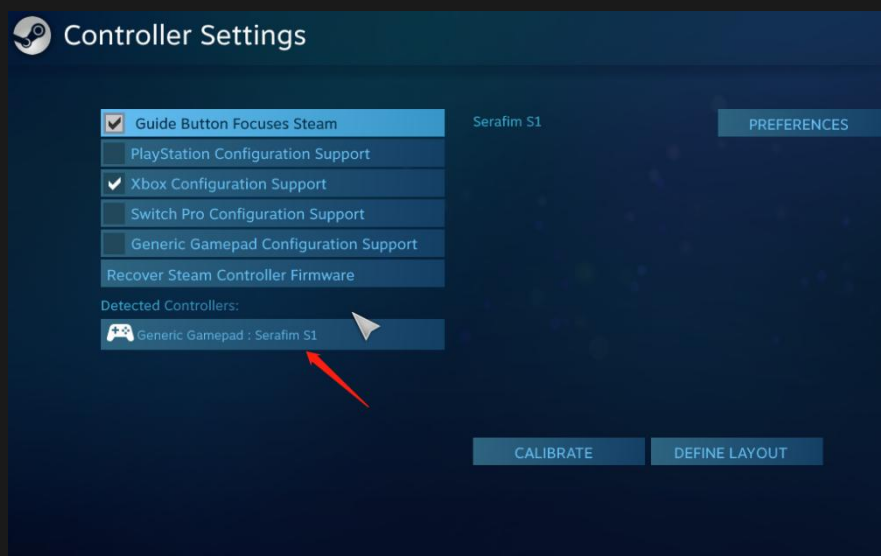
4. There will be a screen for you to confirm or remap the buttons.



5. Press Y on the controller to name your configuration profile when you are done. Pick generic gamepad from a drop-down list and click “Upload”.



6. If the controller name changes to the one you have given, it means that you successfully uploaded your configuration profile. Done!



# Steam Link

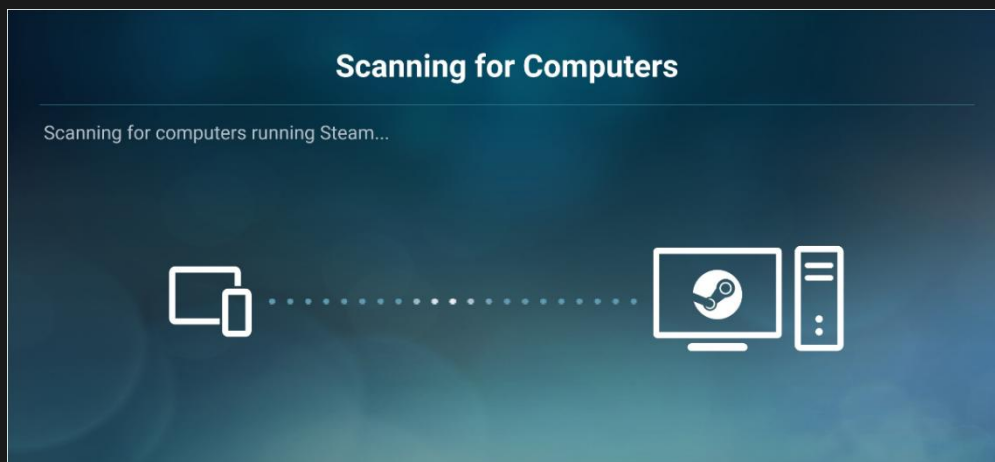
## Connect to Steam PC via Serafim S1

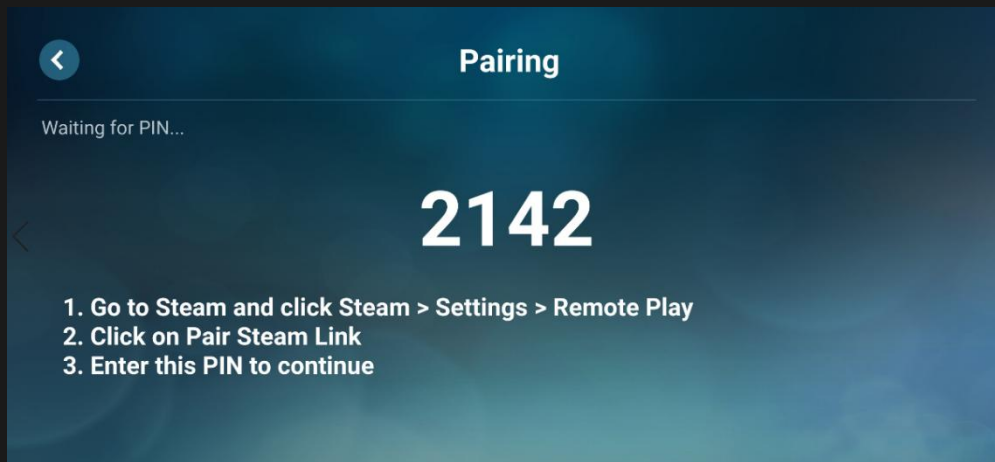
1. Pair Serafim S1 with your phone, and launch Steam Link on the phone



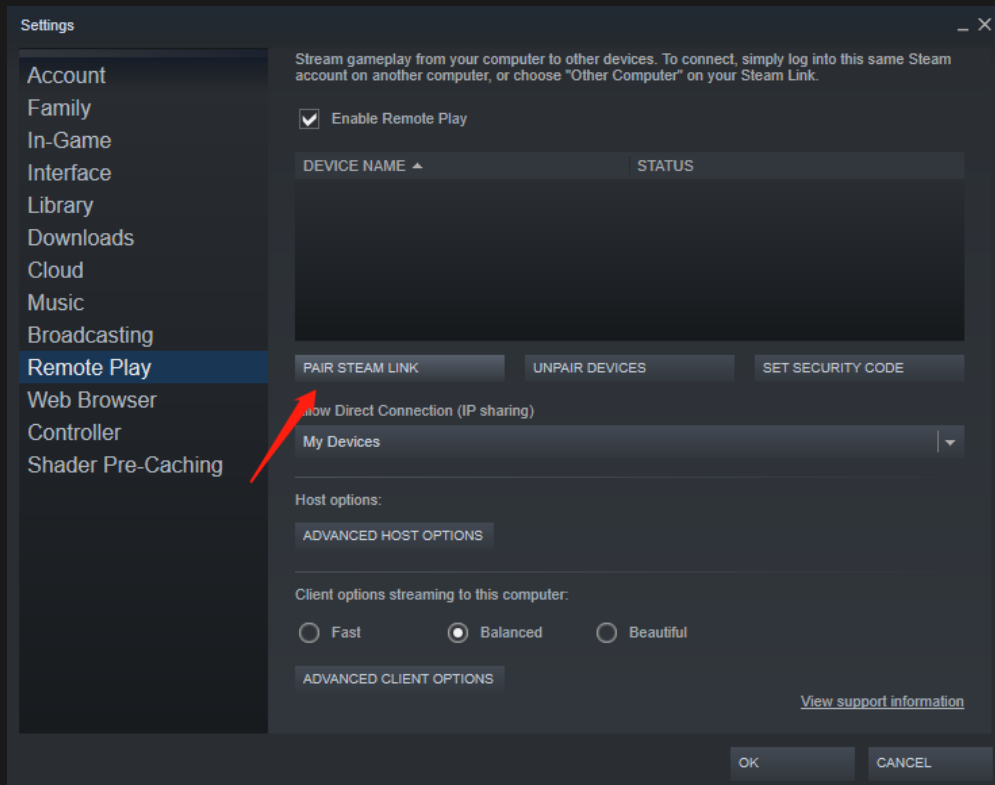
Steam Link

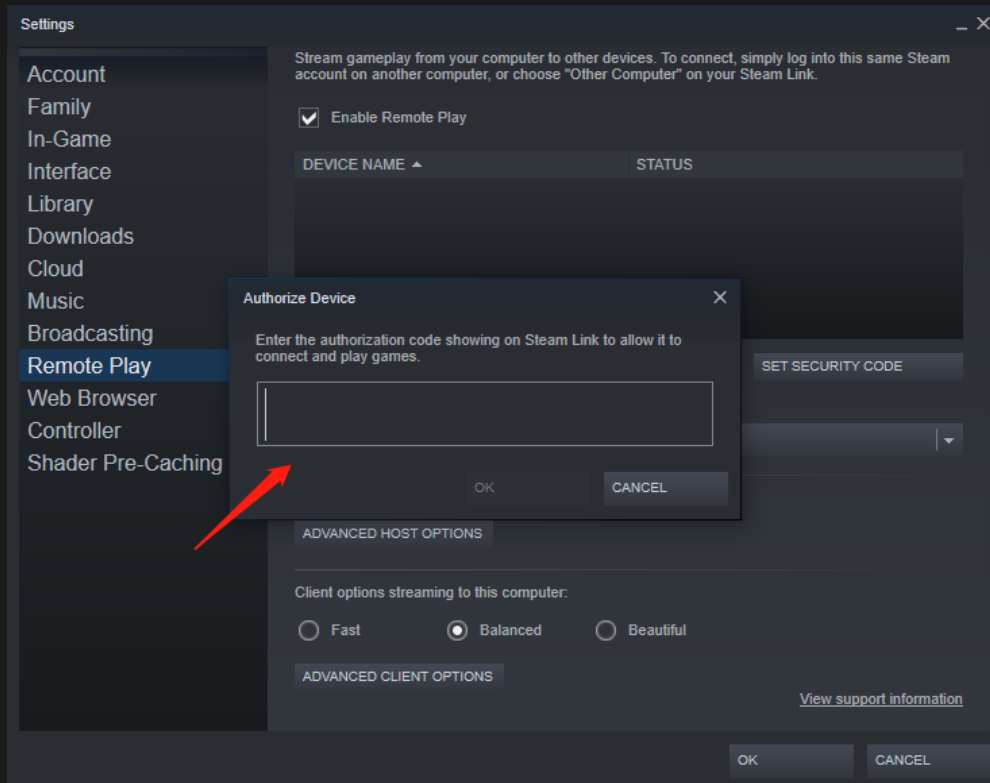
2. Your phone will start searching a nearby PC with Steam client running in the background. The Steam Link app will then generate a PIN for you to enter it on your PC.



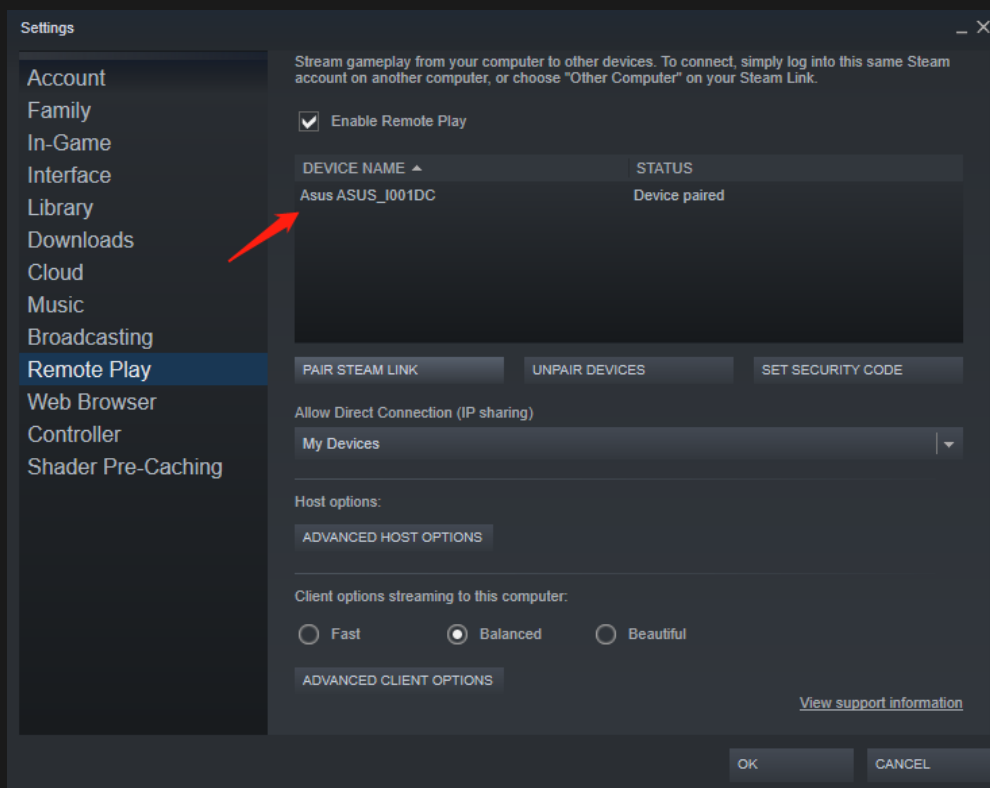


3. Follow the instructions shown on the phone screen and enter the PIN on the Steam client on your PC.

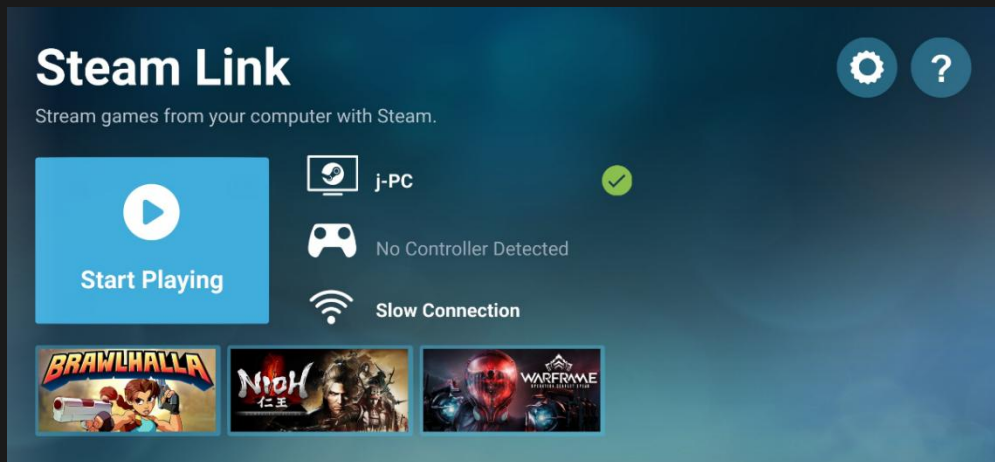




4. Your phone will appear on Steam client if the pairing is success.



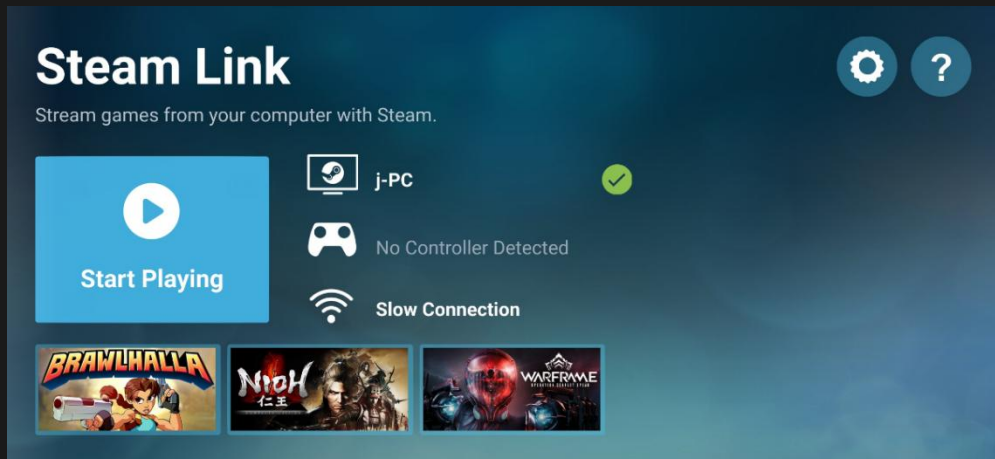
5. In Steam Link app, tap “Start Playing” to enjoy your game.



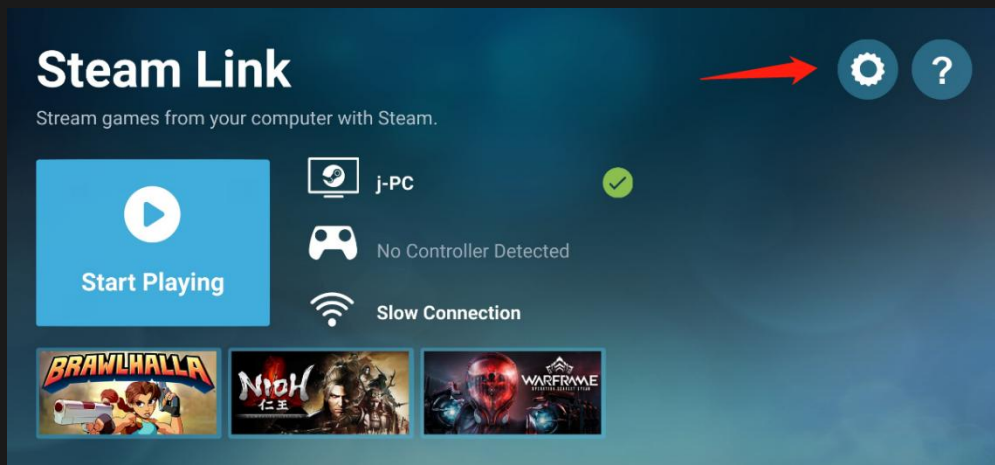


# Connect to Steam PC via Android mode

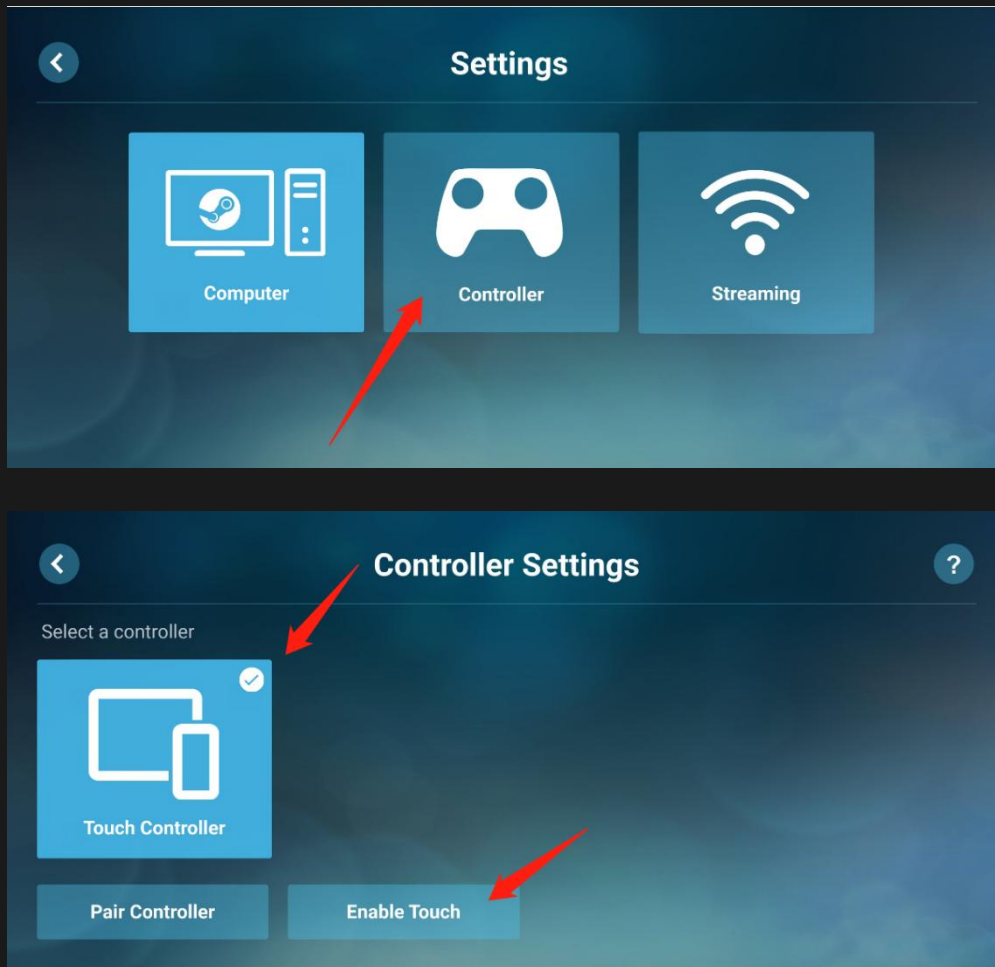
1. Switch Serafim S1 to Android mode and pair with your phone. Pair Steam PC with Steam Link app.



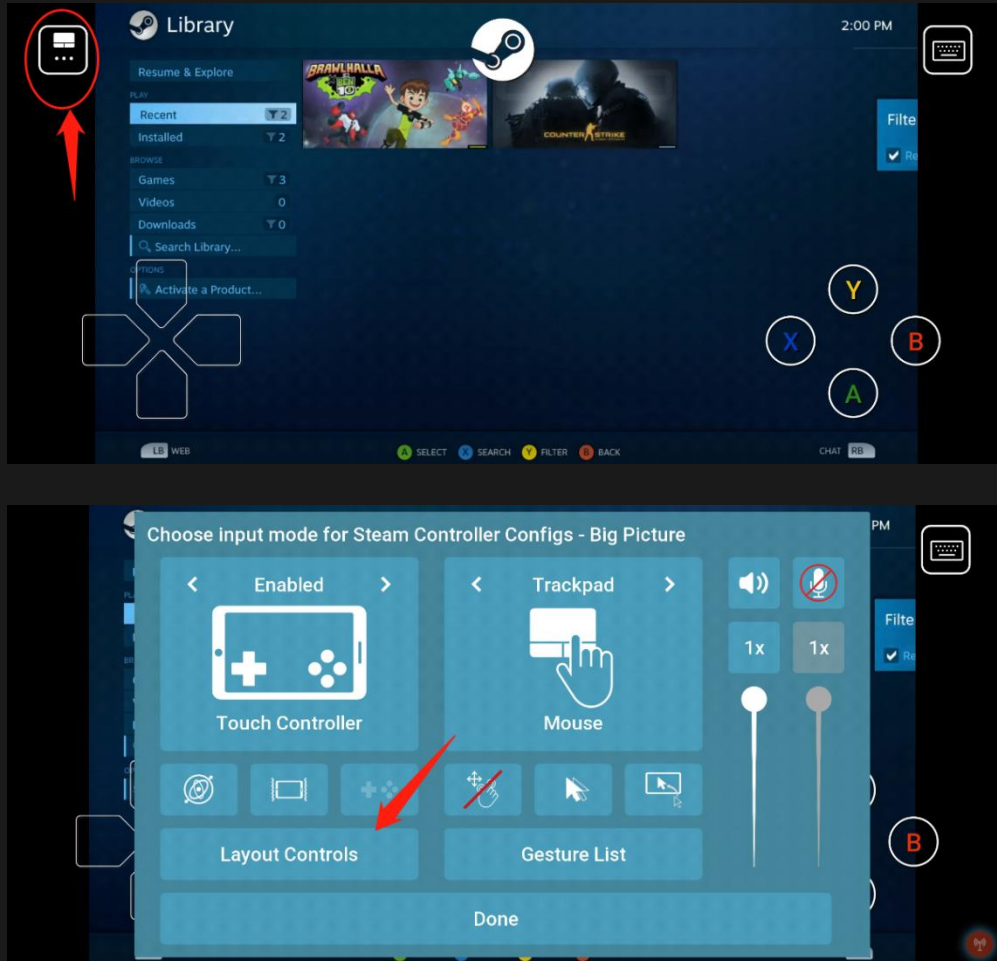
2. In Steam Link, tap the gear icon on the upper right of the screen.



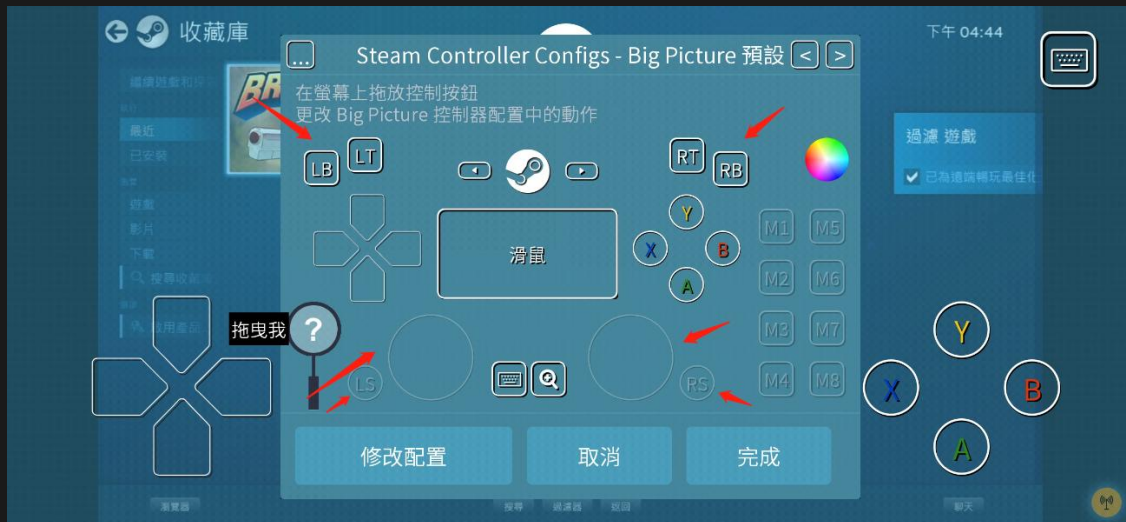
3. Choose “Controller” and enable “Use touch control”.



4. Enter a game and tap an icon on the upper left of the screen for editing controller configs. Tap “Layout Controls” button.



## 5. Drag buttons to the position you want.



## 6. Utilize custom button mapping feature

of Serafim Play and drag all buttons to the desired position.



7. Tap “OK” or “Save” to finish.

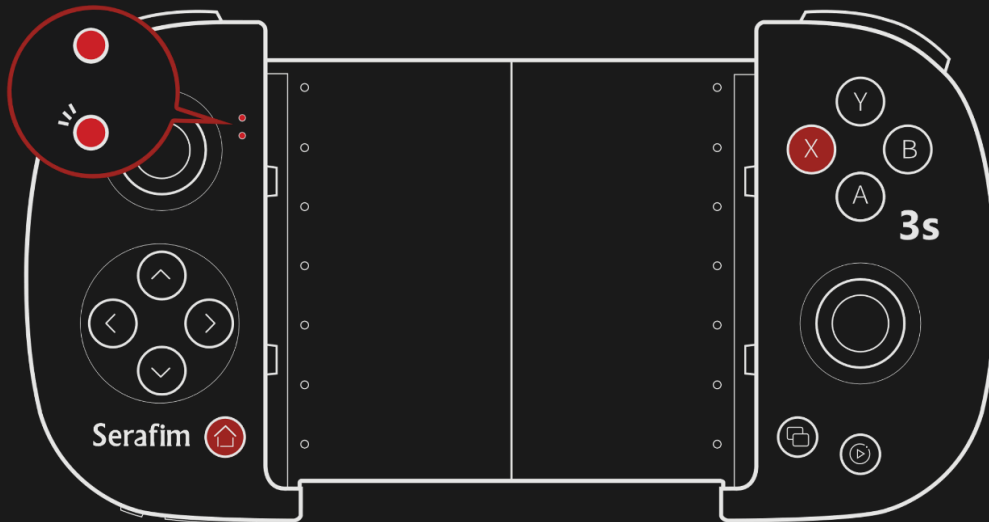




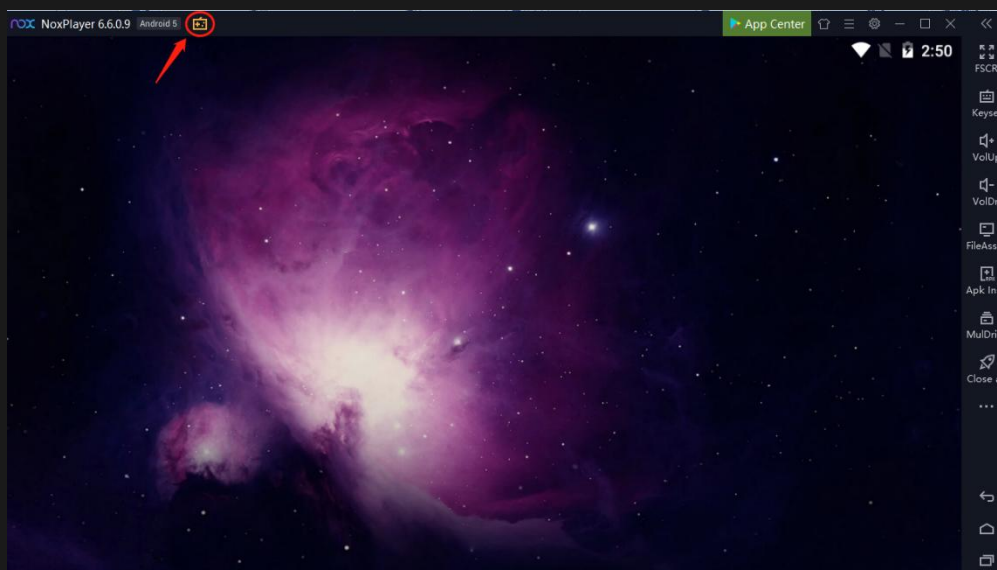
# How to use on Nox emulator

## Windows 10

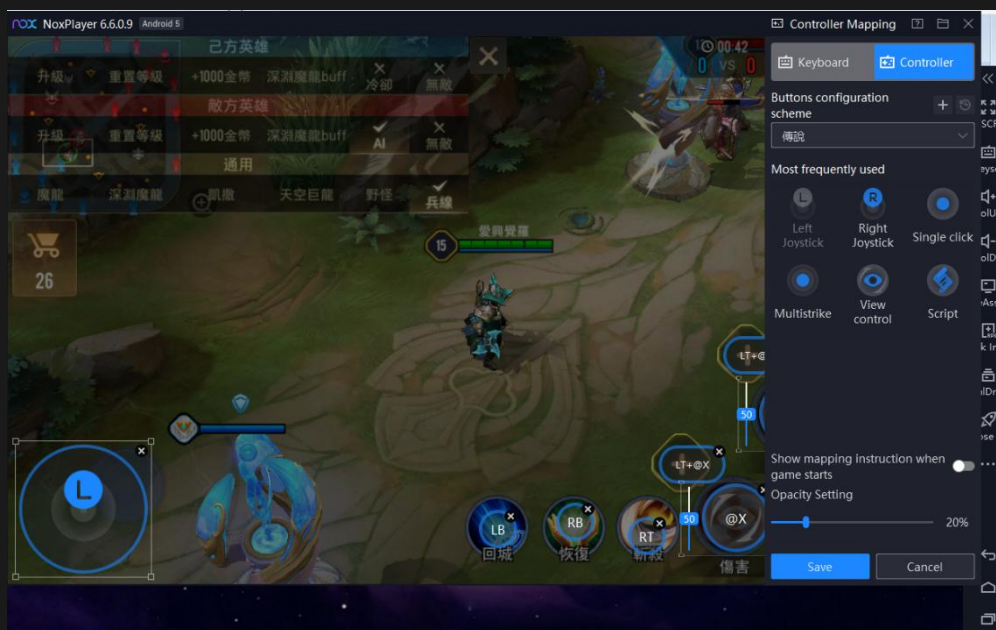
1. Switch the S1 controller to HID mode.



2. Plug the Bluetooth dongle to the PC.
3. After the pairing, there will be a controller icon appeared on the title bar.



4. Go to a screen with all virtual buttons shown on the screen. Tap the controller icon to enter the button configuration screen. Drag icons to corresponding locations.

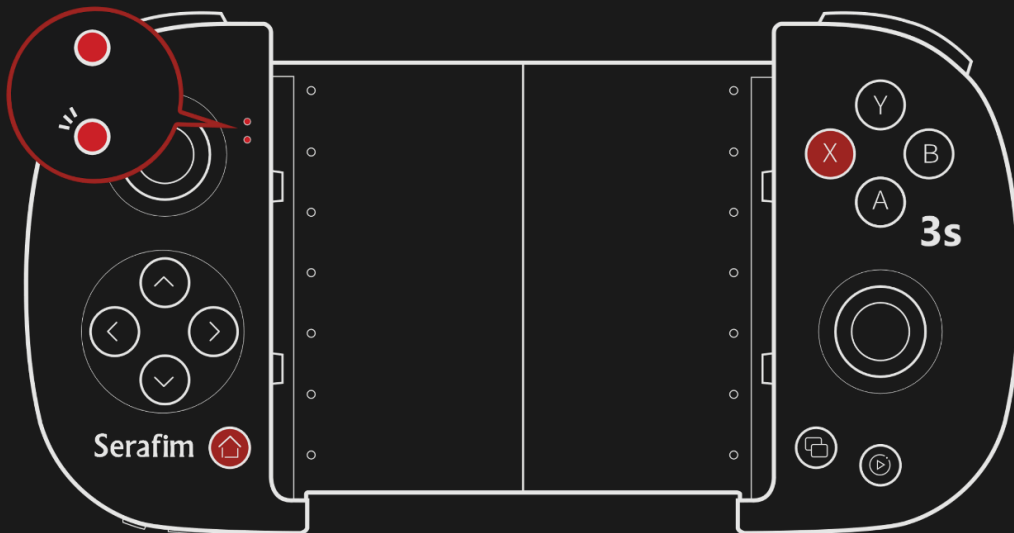


5. Save the settings and enjoy the game. For details, please access the official website of Nox emulator.

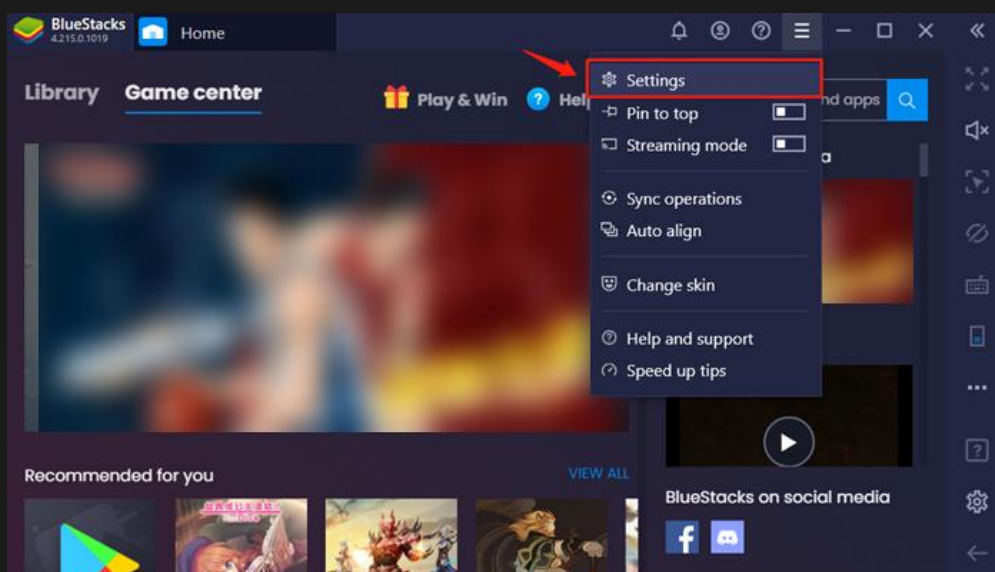
# How to use on BlueStacks

## Windows 10

1. Switch the S1 controller to HID mode.

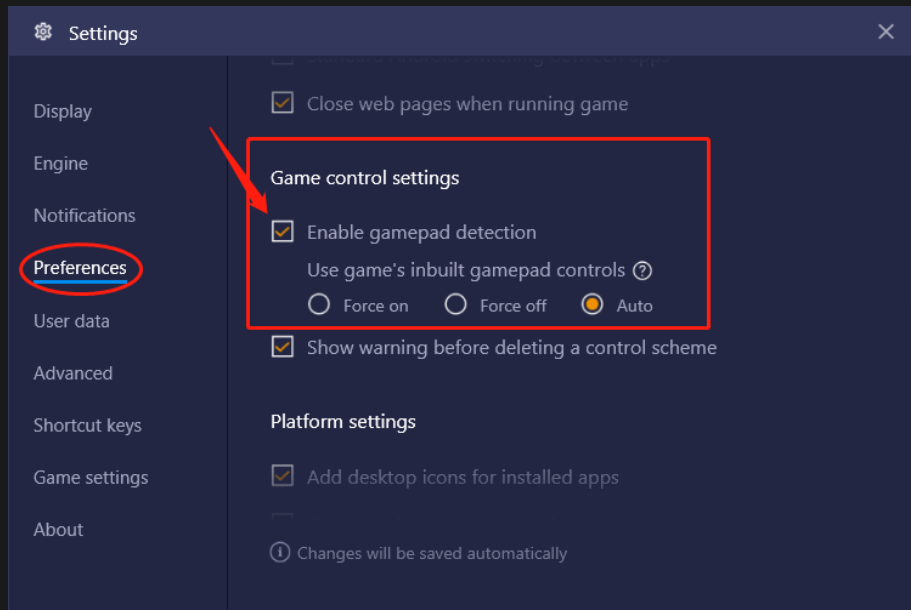


2. Plug the Bluetooth dongle to the PC.
3. Launch BlueStacks, click the menu icon or click the gear icon on the lower left of the window to open the setting window.



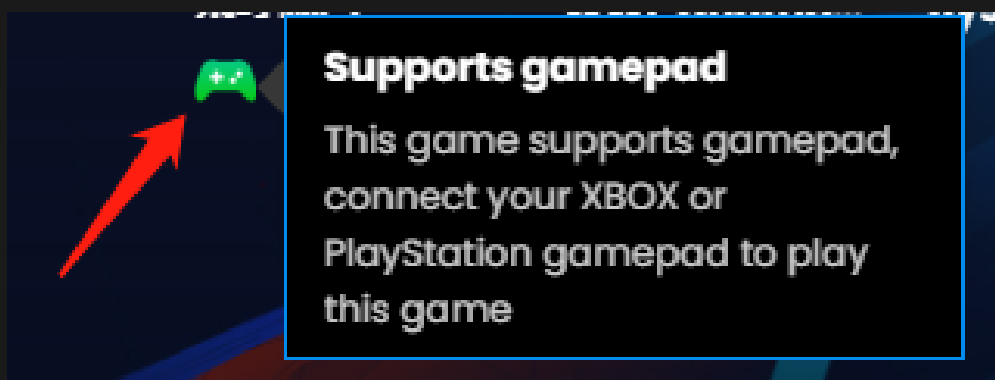


4. Select “Preferences” from the list and enable gamepad detection.



5. Done.

\* Please note that only gamepad-supported apps are compatible.

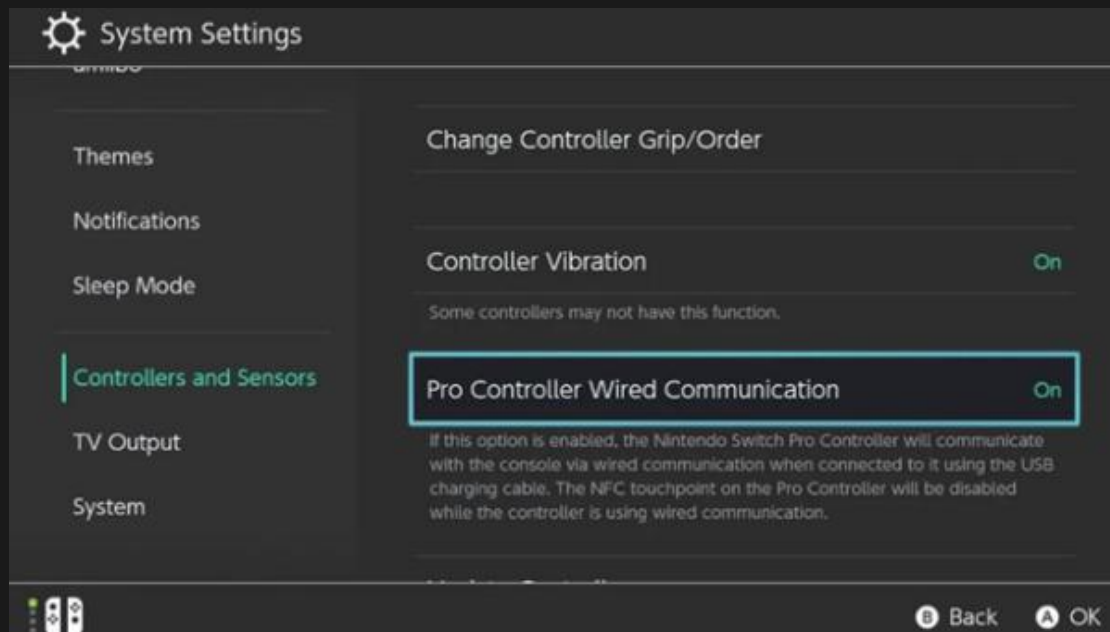


## 6. Click more options to check the current control scheme



# How to use on Switch

1. Go to [System Settings] > [Controllers and Sensors] > turn on [Pro Controller Wired Communication]



2. Switch S1 controller to HID mode and plug Bluetooth dongle to the Switch console.
3. Done.

# Product specification

- Product name: Serafim S1
- Connectivity: Bluetooth Low Energy
- Platforms: Android, iOS 13.3 or lower, Windows 10
- Battery capacity: 250mAh
- Operating current: 10mA
- Standby power: lower than 20μA
- Package dimensions: 200×125×50 mm
- Device dimensions: 165×86.3×31.4 mm
- Product weight: 155 grams
- Operating temperature: 10~40°C
- Relative humidity; 20~80%

# Product specification

- Product name:Serafim Dongle
- Connectivity:Bluetooth 4.0
- Interface:USB2.0
- Device dimentions:15\*6\*20mm
- Product weight:1.9g
- Operating temperature:0°C ~40°C
- Relative humidity:10%~90%

# Safety notes

1. Please avoid using under direct sun and heat sources
2. Notice the risk of malfunction if used in an environment with drastic temperature change, high humidity or high-pressure environment
3. Excessive force or impact on the product may cause damage to the product and void the warranty.
4. Never attempt to disassemble, modify and or repair the product by yourself.
5. The controller contains highly stretchable part. Massive tremble may lead an attached phone drop.

6. The controller contains springs and small parts. Avoid giving it to children; otherwise, children may possibly get injured or get choked by eating them.
7. Please keep the “Serafim Play” running in the background while playing racing games.
8. 95% of Android phones support Serafim S1. However, some phones, which don't meet minimum requirement, are not compatible with the racing wheels.
9. Unsupported devices:
  1. MTK CPU 4G chip (the CPU specifications of your mobile phone can be queried online, and can support 5G Dimensity series)
  2. iPhone
  3. ROG Phone 1/2/3
  4. Asus Zenphone 5/6
  5. Sony series

6. Samsung A21s
7. Oppo A83/A77
8. Vivo V11/V11i
9. Redmi 5
10. Mi Mix 2
11. Google Nexus 5



# FAQ

**Q1:** What size of phone fits the controller?

**A:** It could fit 162mm in length (about 6.4 inches) and in thickness of up to 1.3cm.

**Q2:** Can I charge my phone while I am playing with the controller?

**A:** The controller utilizes Bluetooth to wirelessly connect to your phone. There is no needed to put the phone on the controller.

**Q3:** Is it compatible with iOS 13.4 or higher?

**A:** It currently supports up to iOS 13.3.

**Q4:** The controller can't be used on Android phones after I switch modes. Can I connect another phone?

**A:** The controller's Bluetooth needs to be forgotten and re-connected by the mobile device each time it switches modes. If other devices were connected

to the controller, please turn off the Bluetooth from the other device, and connect to the other phone afterwards.

**Q5:** I couldn't connect my S1 with Switch even if I plugged the Serafim dongle in.

**A:** Please turn on the "Pro Controller Wired Communication" from the HOME menu → "Settings" → "Controllers and sensors"

**Q6:** The L/R analog stick functions cannot be set when I click them.

**A:** If the analog controller and viewpoints needs to be customized, please "move" the analog sticks and tap the buttons appearing on screen to set them.

**Q7:** Does it support console emulator?

**A:** Yes, you could play with console emulators with button customization feature in Serafim Play.

**Q8:** It doesn't work on Asus or ROG phone.

**A:** Please make sure if there is a background app, such as Game Genie, the default app for taking screenshots or videos. Please disable it to prevent the app from blocking Serafim Play.

**Q9:** What is the rubber strip for?

**A:** Rubber strip is stuffing for a small smartphone which is placed on the controller in portrait position.

**Q10:** Left analog stick isn't sensitive.

**A:** Please set the key combination to make the virtual analog stick on the screen stay in the same position.

**Q11:** Could I use it with my phone case equipped?

**A:** It should be alright if you attach a slim smartphone case with total thickness of 1.3 cm.

**Q12:** Is it possible to press down the dual

sticks? (SL, SR key)

**A:** Yes, indeed.

**Q13:** How long is the warranty? Where can ask if I encounter problems?

**A:** This product has a warranty of one year after buying. Please hold on to your receipts for your own benefit. Please e-mail us for additional info at [sales@serafim-tech.com](mailto:sales@serafim-tech.com), [\(Tel\)886-2-8914-6680](tel:886-2-8914-6680), or the Serafim Facebook fan page.

**Q14:** How do I use Serafim dongle?

**A:** If you are playing on PC, simply plug the dongle into the USB port to connect automatically without extra configuration (The system acknowledges Serafim S1 as an Xinput mode controller)

As for Switch players, please turn on the wired communications function

from the settings page ,then plug in the dongle to connect(remember to switch off controller before doing so).

**Q15:** Why is my device repeatedly pairing with the controller?

**A:** There is a possibility that the controller is low on batteries. The indicator will blink when the controller has insufficient power, thus charging the controller if it occurs will solve the problem.

**Q16:** The controller is paired but there is no response.

**A:**

1. Try to restart your phone and controller. Make sure the controller is in Android mode, and open seraphim app to play.
2. Open the permissions of the Serafim app and the game.
3. Make sure the phone doesn't run another floating window to interfere

with the Serafim play app. Shut the window down if there is one.

**Q17:** My left analog stick is not sensitive and often drift to the sides.

**A:**

1.Please make sure the analog stick is dragged to the right spot.

2.See if the game has the option to pin the position of the stick,if yes, please toggle the option.

3.Enter options and set the sensitivity.

4.If none of the above works, use the auto-adjustment feature of the controller.

a.break off all the connections of the controller.

b.hold select+the left d-pad.The indicator will stop blinking.

c.continue to hold select button, while releasing the left d-pad and pressing

the right d-pad. The indicator will turn white.

d.auto-adjustment will finish after the indicator stops blinking white.

**Q18:** What are the steps to update Serafim S1 bluetooth firmware?

**A:**

1. Make sure that the Serafim S1 is paired (Please update Serafim S1 to the newest version.)
2. Open the app.
3. Enter the bluetooth settings to make sure the controller is paired.
4. Enter the users page and tap the update button to start updating.

**Q19:** The Serafim S1 bluetooth firmware is not successfully updated and the two indicators blink red.

**A:** The indicators both blink red when entered firmware update mode, and

can return to normal only after updating.

1.make sure the GPS on the phone is on.

2.make sure the bluetooth is enabled and there is no S1 controller in the pairing menu.

3.re-open Serafim play.

4.log in to the user page and choose the bluetooth firmware update.

5.the update page indicates to scan controllers.Press "Yes" to scan.

6.Turn on the controller(No need to pair with the phone).The phone will update after scanning the controller.



# Serafim websites

- \* [Serafim registration](#)
- \* [Online customer support](#)
- \* [Tutorial videos](#)
- \* [Download Serafim user manual](#)
- \* [Serafim Facebook fanpage](#)



Join Serafim Fanpage  
for Smartphone Gamers

## NCC 使用警語

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射

頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

\*減少電磁波影響，請妥善使用

# FCC

## Federal Communications Commission

### Statement

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the Federal Communications Commission (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 causes 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 doing 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 Caution**

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

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## **Radiation Exposure Statement**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with FCC exposure compliance requirement, please follow operation instruction as documented in this manual.