



Contents [[hide](#)]

- [1 HORI SPF-049E NOLVA Mechanical Button Arcade Controller Instruction Manual](#)
- [2 Quick Start Guide](#)
- [3 1 Set the Hardware Toggle Switch as appropriate.](#)
- [4 2 Connect the USB cable to the controller.](#)
- [5 3 Plug in the cable to the hardware.](#)
- [6 4. Turn on the console and log in with the Controller by pressing the p \(PS\) button on the Controller.](#)
- [7 Contents](#)
- [8 Compatibility](#)
- [9 Layout and Features](#)
- [10 Key Lock Feature](#)
- [11 Headset Jack](#)
- [12 Custom Buttons](#)
- [13 Assign Mode](#)
- [14 App \[HORI Device Manager Vol.2 \]](#)
- [15 Troubleshooting](#)
- [16 Specifications](#)
- [17 Documents / Resources](#)
 - [17.1 References](#)

HORI SPF-049E NOLVA Mechanical Button Arcade Controller Instruction Manual



Thank you for purchasing this product.

Before use, please read the instruction manual carefully.

After reading, please keep the manual for reference.

*PC compatibility not tested nor endorsed by Sony Interactive Entertainment.

Quick Start Guide

Before using this product, please read the instructions carefully.

Please check that your console is updated to the latest system software.

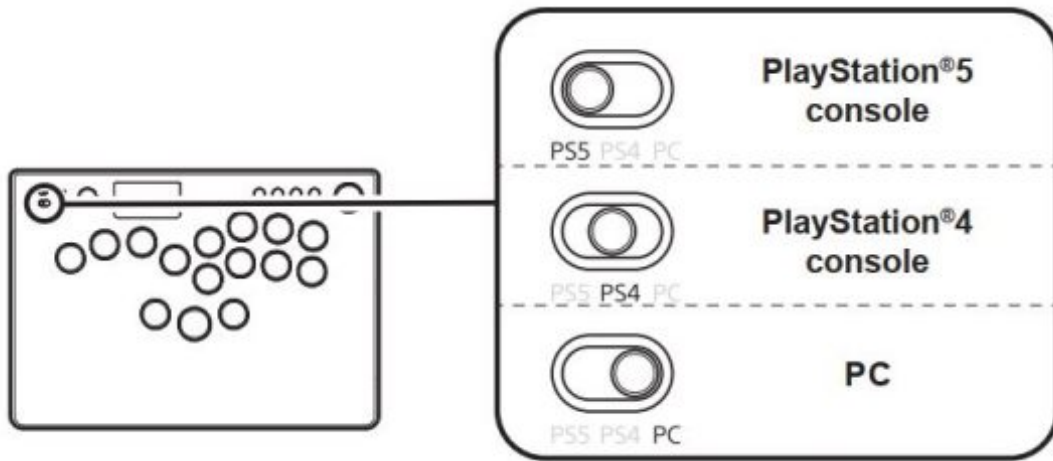
PS5® console

1. Select “Settings” → “System”.
2. Select “System Software” → “System Software Update and Settings”. If a new update is available, “Update Available” will be displayed.
3. Select “Update System Software” to update the software.

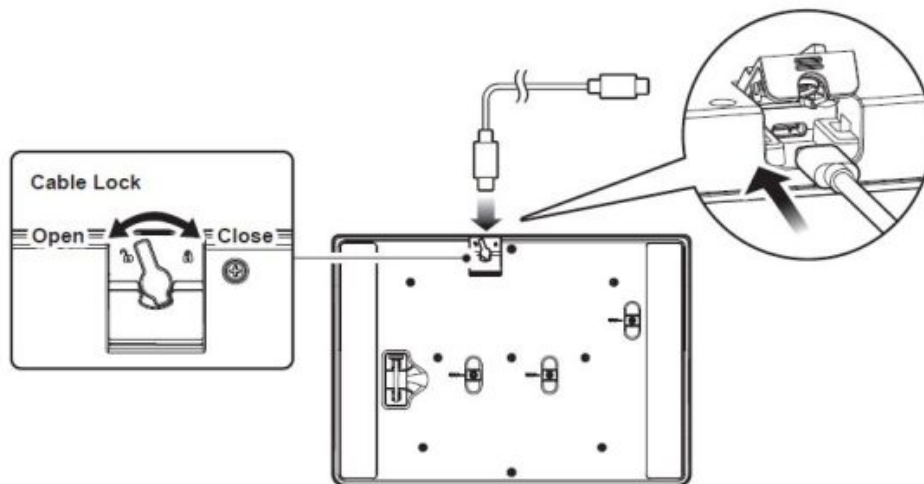
PS4® console

1. Select “Settings” → “System Software Update”.
2. If a new update is available, follow the steps as shown on the screen to update the software.

1 Set the Hardware Toggle Switch as appropriate.

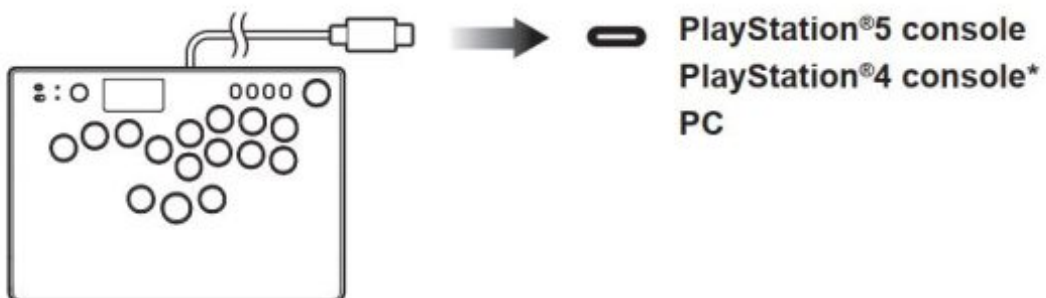


2 Connect the USB cable to the controller.



Please use our included USB cable (Type-C™ to Type-C™).

3 Plug in the cable to the hardware.

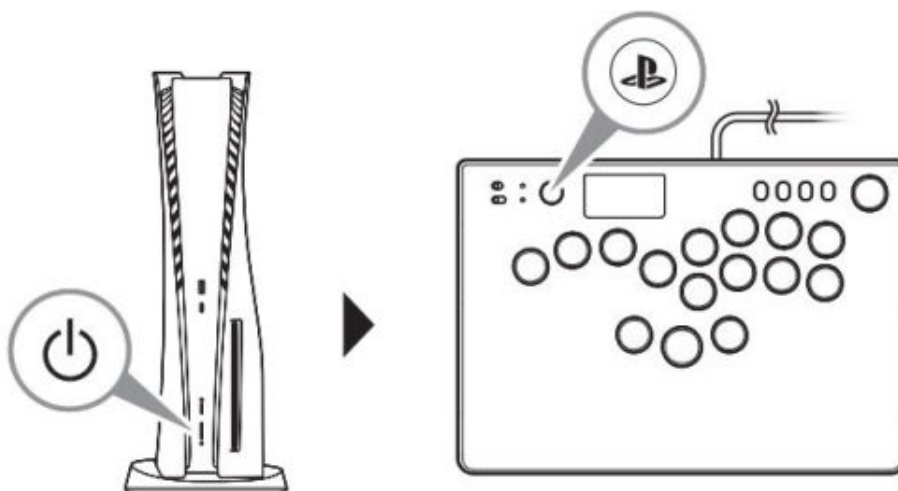


*When using the controller with PlayStation®4 consoles, please use a USB-C™ to USB-A data cable such as HORI SPF-015U USB Charging Play Cable to use this product (sold separately).

Please follow the instructions below to avoid malfunction.

- Do not use this product with a USB hub or extension cable.
- Do not plug or unplug the USB during gameplay.
- Do not use the controller in the following scenarios.
 - When connecting to your PS5® console, PS4® console or PC.
 - When turning on your PS5® console, PS4® console or PC.
 - When waking your PS5® console, PS4® console or PC from rest mode.

4. Turn on the console and log in with the Controller by pressing the p (PS) button on the Controller.



 **Caution**

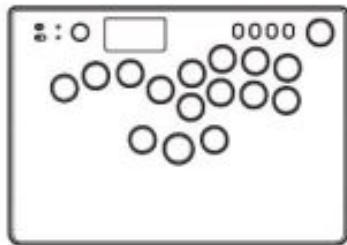
Parents / Guardians:

Please read the following information carefully.

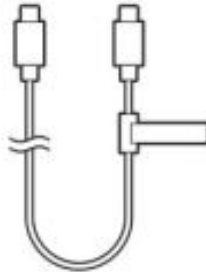
- This product contains small parts. Keep away from children under 3 years old.
- Keep this product away from small children or infants. Seek medical attention immediately if any small parts are swallowed.
- This product is for indoor use only.
- Please use this product where the room temperature is 0-40°C (32-104°F).
- Do not pull the cable to unplug the controller from the PC. Doing so may cause the cable to break or become damaged.
- Be careful not to get your foot caught on the cable. Doing so may cause bodily injury or damage to the cable.
- Do not bend the cables roughly or use the cables while they are bundled.
- Long cord. Strangulation hazard. Keep away from children under 3 years old.
- Do not use the product if there is foreign material or dust on the terminals of the product. This may cause electric shock, malfunction, or poor contact. Remove any foreign material or dust with a dry cloth.
- Keep the product away from dusty or humid areas.
- Do not use this product if it has been damaged or modified.
- Do not touch this product with wet hands. This may cause an electric shock.
- Do not get this product wet. This may cause an electric shock or malfunction.
- Do not place this product near heat sources or leave under direct sunlight for an extended period.
- Overheating may cause malfunction.
- Do not use this product with a USB hub. The product may not function properly.
- Do not touch the metal parts of the USB plug.
- Do not insert the USB plug into socket-outlets.
- Do not apply strong impact or weight on the product.
- Do not disassemble, modify or attempt to repair this product.
- If product needs cleaning, use only a soft dry cloth. Do not use any chemical agents like benzene or thinner.
- We are not responsible for any accidents or damages in the event of use other than the intended purpose.
- The packaging must be retained since it contains important information.
- The normal function of the product may be disturbed by strong electro-magnetic interference. If so, simply reset the product to resume normal operation by following the instruction manual. In case the function does not resume, please relocate to an

area which does not have electro-magnetic interference to use the product.

Contents



Controller × 1



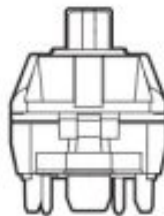
USB cable
(USB-C™ to USB-C™) × 1



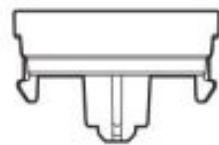
Instruction Manual × 1



Button Removal Pin × 1



Switch (spare) × 1



Button Socket Cover × 3

- The “Button Removal Pin” is attached to the bottom of the product.
- Do not touch the metal parts of the switch.
- When storing the mechanical switch, avoid places with high temperature and humidity to prevent discoloration due to sulfurization of the terminals (metal parts).
- To avoid damage, please keep the Switch (spare) package unopened until just before use.

Compatibility

PlayStation®5 console

The NOLVA Mechanical All-Button Arcade Controller comes with a USB-C™ to USB-

C™ data cable included for PlayStation®5 consoles. However, PlayStation®4 consoles need a USB-C™ to USB-A data cable. When using the controller with PlayStation®4 consoles, please use a USB-C™ to USB-A data cable such as HORI SPF-015U USB Charging Play Cable to use this product (sold separately).

Important

Before using this product, please read the instruction manuals for the software and console hardware to be involved in its use. Please check that your console is updated to the latest system software. An internet connection is required to update the PS5® console and PS4® console to the latest system software.

This user manual focuses on use with the console, but this product can also be used on a PC following the same instructions.

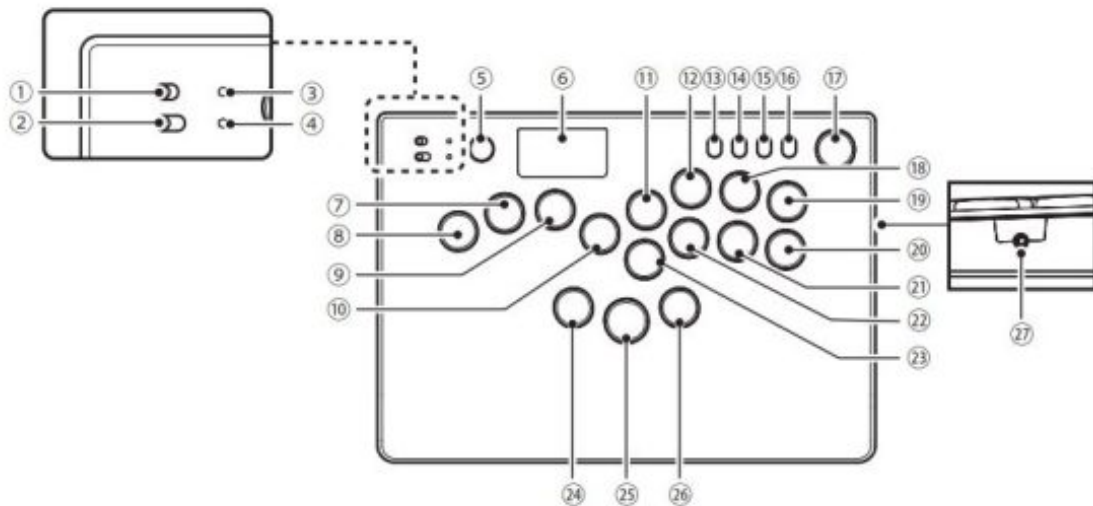
PC*

*PC compatibility not tested nor endorsed by Sony Interactive Entertainment.

Supported OS	Windows 10 / 11	
Input Method	XInput	✓
	DirectInput	✕
System Requirements	USB-C™ Port	

Layout and Features

Front View



① ... Key Lock Switch

② ... Hardware Toggle Switch

③ ... LOCK LED

④ ... ASSIGN LED

⑤ ... [PS5®, PS4®] (PS) Button

[PC] GUIDE Button

⑥ ... [PS5®, PS4®] Touch pad / Touch pad Button

[PC] N/A

⑦ ... [PS5®, PS4®] Left Directional Button

[PC] D-pad LEFT Button

⑧ ... Custom Button 1

⑨ ... [PS5®, PS4®] Down Directional Button

[PC] D-pad DOWN Button

⑩ ... [PS5®, PS4®] Right Directional Button

[PC] D-pad RIGHT Button

⑪ ... [PS5®, PS4®] □ Button

[PC] X Button

⑫ ... [PS5®, PS4®] △ Button

[PC] Y Button

⑬ ... ASSIGN Button

⑭ ... [PS5®] ↵ (create) Button

[PS4®] SHARE Button

[PC] BACK Button

⑮ ... [PS5®, PS4®] L3 Button

[PC] LSB Button

⑯ ... [PS5®, PS4®] R3 Button

[PC] RSB Button

⑰ ... [PS5®] ≡ (options) Button

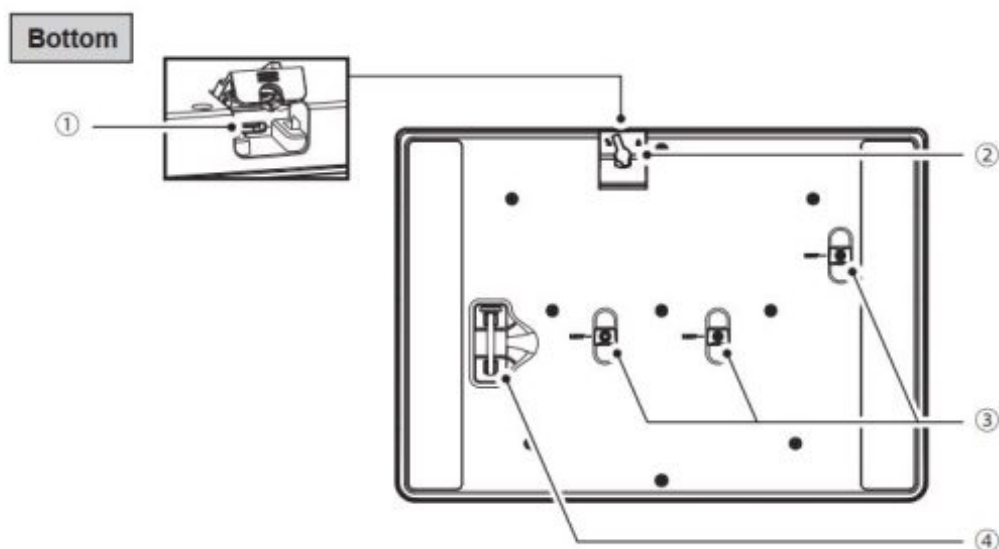
[PS4®] OPTIONS Button

[PC] START Button

⑱ ... [PS5®, PS4®] R1 Button

[PC] RB Button

⑱ ... [PS5®, PS4®] L1 Button	[PC] LB Button
⑲ ... [PS5®, PS4®] L2 Button	[PC] LT Button
⑳ ... [PS5®, PS4®] R2 Button	[PC] RT Button
㉑ ... [PS5®, PS4®] ○ Button	[PC] B Button
㉒ ... [PS5®, PS4®] ✕ Button	[PC] A Button
㉓ ... Custom Button 2	
㉔ ... [PS5®, PS4®] Up Directional Button	[PC] D-pad UP Button
㉕ ... Custom Button 3	
㉖ ... Headset Jack	



① ... USB Type-C™ Port
② ... Cable Lock Cover / Cable Lock Knob
③ ... Button Removal Pin Hole
④ ... Button Removal Pin

Key Lock Feature

Some inputs can be disabled by using the LOCK Switch. In LOCK Mode, the functions listed in the table below are disabled.



PS5® console / PS4® console	PC
(PS) Button (create) Button / SHARE Button (options) Button / OPTIONS Button	START Button GUIDE Button

Headset Jack

A headset or headphones can be connected by plugging the product into the headset jack.

Please connect the headset to the controller before gameplay. Connecting a headset during gameplay may momentarily disconnect the controller.

Please turn down the volume on the hardware before connecting a headset, as the sudden high volume may cause discomfort to your ears.

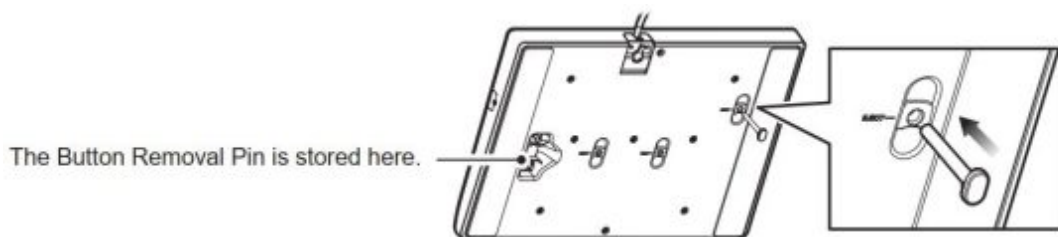
Do not use high volume settings for an extended period of time to avoid hearing loss.

Custom Buttons

The Custom Buttons can be removed and covered with the included Button Socket Cover when not in use.

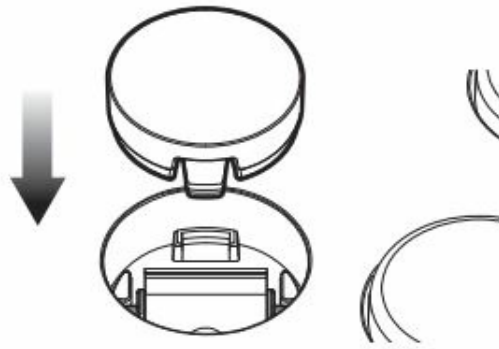
How to remove Custom Buttons and Button Socket Cover

Insert the Button Removal Pin into the corresponding hole on underside of the product.



How to install Button Socket Cover


Make sure the position of the two tabs are aligned and push in the Button Socket Cover until it clicks into place.



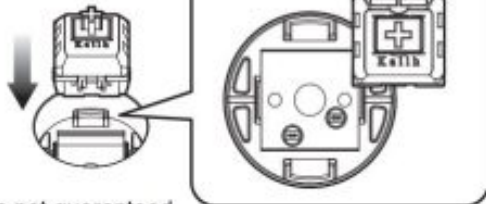
How to install Custom Buttons

1

Pay attention to the orientation of the switch and insert it into the corresponding sockets.*



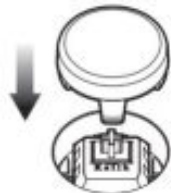
The switch terminals may break if the switch is forcefully inserted. Use a spare switch (included) if they are damaged.



*The same type of switch can be installed, but its operation is not guaranteed.

2

Make sure the position of the two tabs are aligned and push in the Button Plunger until it clicks into place.



Assign Mode

The following buttons can be assigned to other functions by using the HORI Device Manager app or the controller itself.

PS5® console / PS4® console

Programmable buttons

Up Directional Button / Down Directional Button / Left Directional Button / Right Directional Button
/ ○ Button / ✕ Button / △ Button / □ Button / R1 Button / R2 Button / R3 Button / L1 Button / L2 Button
/ L3 Button / Custom Button 1 / Custom Button 2 / Custom Button 3

Assignable Functions

Up Directional Button / Down Directional Button / Left Directional Button / Right Directional Button
/ ○ Button / ✕ Button / △ Button / □ Button / R1 Button / R2 Button / R3 Button / L1 Button / L2 Button
/ L3 Button / [PS5®] ≡ (options) Button / [PS4®] OPTIONS Button / Touch pad Button / NC (Disabled)

- Multiple functions cannot be assigned to a single button.
- A single function cannot be assigned to multiple buttons.

PC

Programmable buttons

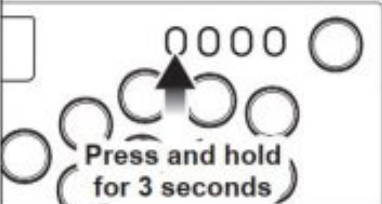







D-pad UP Button / D-pad DOWN Button / D-pad LEFT Button / D-pad RIGHT Button / B Button / A Button
/ Y Button / X Button / RB Button / RT Button / RSB Button / LB Button / LT Button / LSB Button
/ Custom Button 1 / Custom Button 2 / Custom Button 3

Assignable Functions

D-pad UP Button / D-pad DOWN Button / D-pad LEFT Button / D-pad RIGHT Button / B Button / A Button
/ Y Button / X Button / RB Button / RT Button / RSB Button / LB Button / LT Button / LSB Button
/ START Button / BACK Button / NC (Disabled)

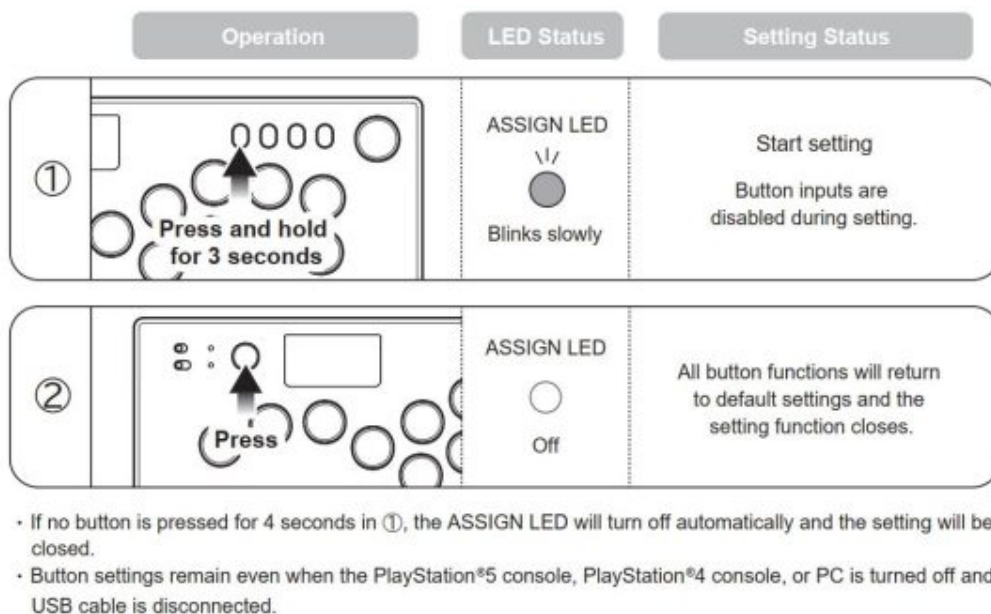
- Multiple functions cannot be assigned to a single button.
- A single function cannot be assigned to multiple buttons.

How to Assign Button Functions

Operation	LED Status	Setting Status
<p>①</p>  <p>Press and hold for 3 seconds</p>	<p>ASSIGN LED</p>  <p>Blinks slowly</p>	<p>Start setting</p> <p>Button inputs are disabled during setting.</p>
<p>②</p>  <p>Press the button you want to set</p>	<p>ASSIGN LED</p>  <p>Blinks quickly</p>	<p>The button to set is selected.</p>
<p>③</p>  <p>Press the button of the function you want to assign to the button pressed in ②</p> <p>or</p> <p>When Setting NC (Disabled) Press and hold the  (create) button for 3 seconds</p>	<p>ASSIGN LED</p>  <p>On</p>	<p>A function can be assigned to the button pressed in ②, however when set to NC, assignment will stop.</p> <p>The function of the button pressed in ② replaces the function pressed in ③.</p> 

- When multiple buttons are pressed in ③, the function of the last button pressed is assigned.
- If no button is pressed for 4 seconds in ① or ②, the ASSIGN LED will turn off automatically and the setting will be closed.
- When the ASSIGN LED turns on, it indicates that a button is assigned and will stay assigned until button function is reset to default.
- Button settings remain even when the PlayStation®5 console, PlayStation®4 console, or PC is turned off and USB cable is disconnected.

Return all Buttons to Default



App [HORI Device Manager Vol.2]

Use the app to customize button assignments and directional buttons input priorities. Any changes you make in the app will be saved in the controller.

■ Download App

<http://hori.co.uk/spf-049/app/>

Supported OS	Windows 10 / 11
System Requirements	USB-C™ Port, Internet Connection







Troubleshooting

If this product does not function as desired, please check the following:

① Pushing the (PS) button does not turn on the console

Pressing the  (PS) button will not power on the console. Please power on the console normally before use.



For PlayStation®5 console : Push the power button on the PlayStation®5 console or press the  (PS) button on the DualSense® wireless controller that is paired to the console. Then press the  (PS) button on the controller and log in to use.

For PlayStation®4 console : Push the power Button on the PlayStation®4 console or press the  (PS) button on the DUALSHOCK®4 wireless controller that is paired to the console. Then press the  (PS) button on the controller and log in to use.

② Controller is responsive on the Home Screen, but not during gameplay

On the console, the controller does not function if you sign in with a different account than the one you selected when starting the software. Please sign in with the controller into the same account that was used to start the software. Please note that this product may not function with console software.

③ The product is unresponsive after turning on the console by pressing the (PS) button on the DualSense® wireless controller or DUALSHOCK®4 wireless controller

If the console is turned on with the  (PS) button on the DualSense® wireless controller or DUALSHOCK®4 wireless controller, make sure you sign in using the DualSense® wireless controller or DUALSHOCK®4 wireless controller. From the Home Screen, push the  (PS) button on the product to sign in with the product.

④ Hardware Toggle Switch and Key Lock Switch are not functioning properly

Please check the switch before use so that gameplay is not interrupted.

- Check that the switch (Hardware Switch & Key Lock Switch) are set to the correct option.
- Set the Hardware Toggle Switch before connecting to the console. The product may not work properly if the switch is changed while connected to the console.

⑤ Controller is not responding even when pushing the (PS) Button

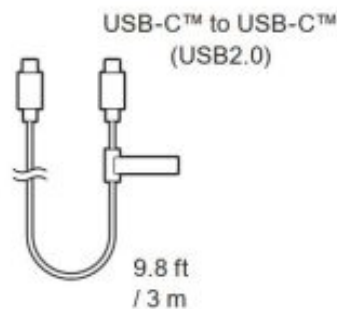
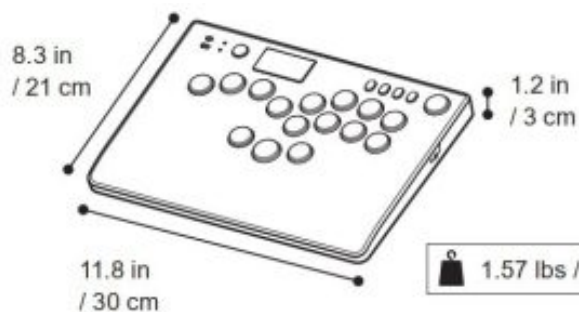
Please make sure that the Hardware Toggle Switch is set to the correct hardware. (See "Quick Start Guide")

- Please check that your console is updated to the latest system software.
- On the console, the controller does not function if you sign in with a different account than the one you selected when starting the software. Please sign in with the controller into the same account that was used to start the software. Please note that this product may not function with some console software.

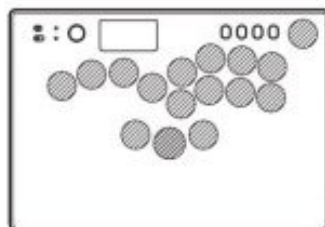
For PlayStation®5 console : Use the DualSense® wireless controller to set up the console.

For PlayStation®4 console : Use the DUALSHOCK®4 wireless controller to set up the console.

Specifications



Connection Method : USB-C™ wired connection



Button specifications (shaded buttons)

Actuation point	: 0.04 in / 1.1 mm
Operating force	: 40±10 gf
Max travel distance	: 0.09 in / 2.2 mm
Hot swapping	: Only Custom Buttons 1-3 are hot swappable
Button Diameter	: 0.9 in / 23 mm (for the directional buttons; only the up directional button is 1 in / 26 mm)

- The console cannot be turned on with the (PS) button.
- The (PS) button cannot be used to return from Rest Mode (PS5® consoles) or Standby Mode (PS4® consoles).

The controller does not have the following functions:

- Adaptive triggers
- Motion sensor function
- Vibration function
- Left stick
- Right stick
- Microphone
- Speaker
- Light bar
- Player indicator
- L2 / R2 analog input

Need help with this product?
Please visit this website for support.

<https://hori.co.uk/spf-049/support/>



Simplified Declaration of Conformity

Hereby, HORI declares that this product is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://hori.co.uk/consumer-information/>



For UK:

Hereby, HORI declares that this product is in compliance with the relevant statutory requirements.

The full text of the declaration of conformity is available at the following internet address:

<https://hori.co.uk/consumer-information/>





PRODUCT DISPOSAL INFORMATION

Where you see this symbol on any of our electrical products or packaging, it indicates that the relevant electrical product or battery should not be disposed of as general household waste in Europe. To ensure the correct waste treatment of the product and battery, please dispose of them in accordance with any applicable local laws or requirements for disposal of electrical equipment or batteries. In so doing, you will help to conserve natural resources and improve standards of environmental protection in treatment and disposal of electrical waste.

HORI warrants to the original purchaser that our product purchased new in its original packaging shall be free of any defects in both material and workmanship for a period of one year from the original date of purchase. If the warranty claim cannot be processed through the original retailer, please contact HORI customer support.

For customer support in Europe, please email info@horiuk.com

Warranty Information:

For Europe & Middle East : <https://hori.co.uk/policies/>

Actual product may differ from image.

The manufacturer reserves the right to change the product design or specifications without notice.


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SPF-049E NOLVA Mechanical Button Arcade Controller, SPF-049E, NOLVA Mechanical Button Arcade Controller, Mechanical Button Arcade Controller, Button Arcade Controller, Button Arcade Controller

References

- [User Manual](#)

📁 HORI

📎 Button Arcade Controller, HORI, Mechanical Button Arcade Controller, NOLVA Mechanical Button Arcade Controller, SPF-049E, SPF-049E NOLVA Mechanical Button Arcade Controller

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