



# PS5 QA Inspection Application Operation Manual

IN-PS5-0063E-xx

SIE Inc. CS Dept.

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# Revision list

No.	Rev.	Date	Discription	Drown by	Checked by	Approved by
-	01	2020/11/10	Release			
①	02	2021/04/28	How to install and start the QA inspection app ⑤ Operation procedure-2 Change (P.7)			

# How to install and Start-up the QA Inspection app

# How to install & start QA inspection app 1/5

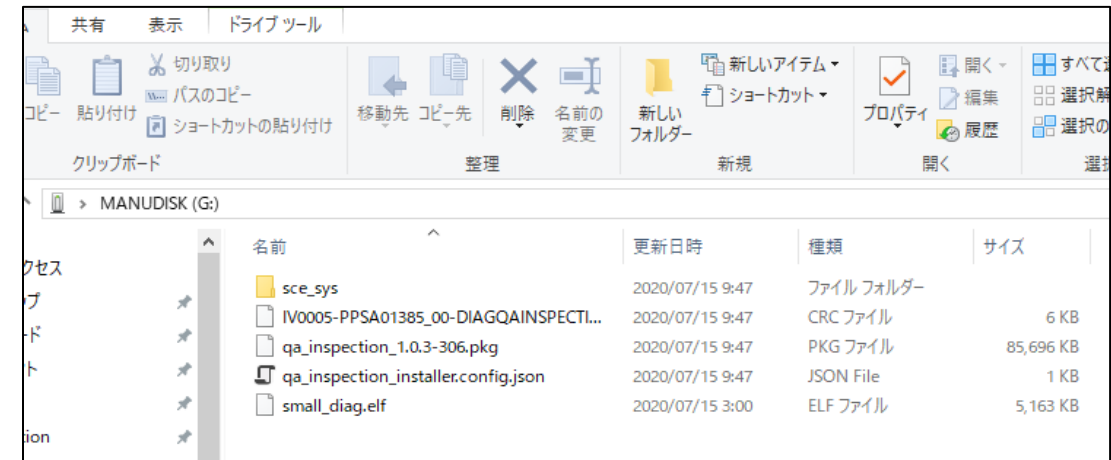
## ■ Procedure

### ① Making USB storage JIG.

- 1) Prepare a USB storage of 4GB or more . (Either USB 2.0 / 3.0 is acceptable)
- 2) Format the USB storage under the following conditions.
  - File system : FAT32
  - Volume label : MANUDISK
- 3) Put the Diag and QA app installation files in the root folder of the USB storage

Diag : qa\_inspection\_installer.config.json  
 small\_diag.elf  
 sce\_sys¥  
 param.json

QA app : IV0005-PPSA01385\_00-DIAGQAINSPCTION.crc  
 qa\_inspection\_1.0.3-306.pkg

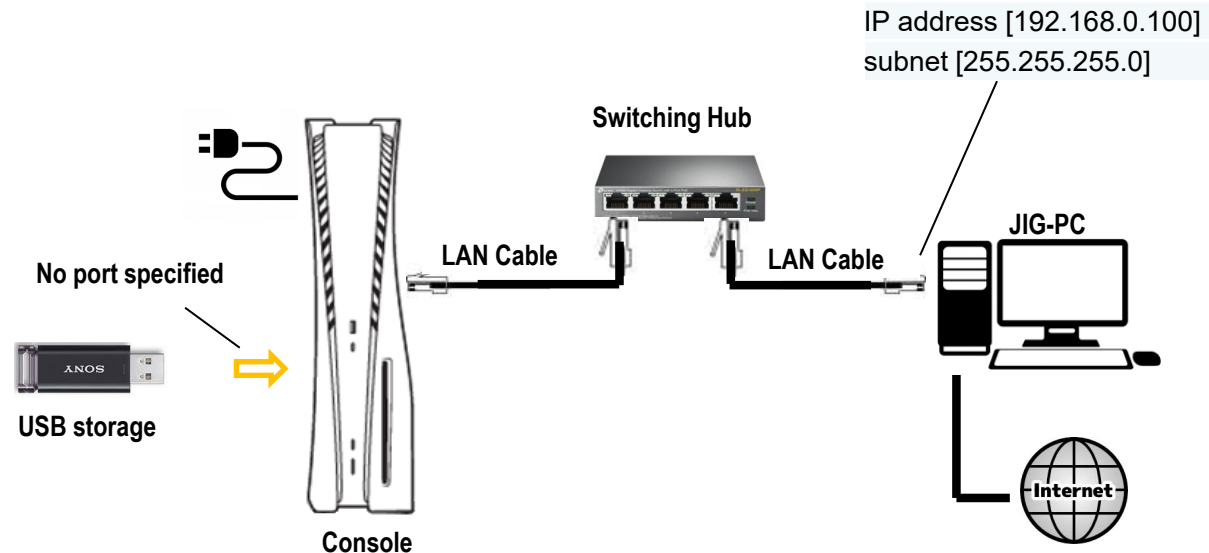


# How to install & start QA inspection app 2/5

## ■ Procedure

### ② Settings-1

- 1) Set PS5 to factory mode.
- 2) Insert the USB storage jig created in ① into the USB port of PS5. (No port specified )
- 3) Connect PS5 and jig PC with LAN cable. (via Switching Hub )
  - <IP address setting of jig PC >
    - IP address [192.168.0.100]
    - subnet [255.255.255.0]
- 4) Connect the jig PC to the Internet

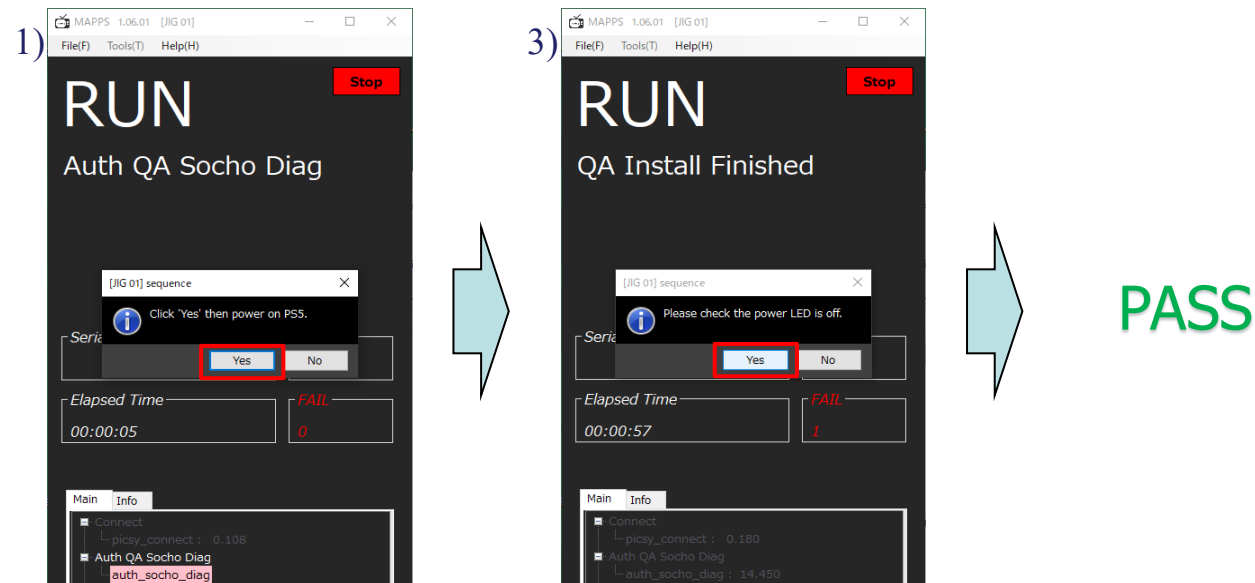


# How to install & start QA inspection app 3/5

## ■ Procedure

### ③ Operating procedure-1

- 1) Start C:\¥Mapps¥QA¥Mapps¥Start.exe
- 2) The following screen will be displayed. After clicking Yes, press the power button to turn on the PS5.
- 3) Wait until PS5 shuts down automatically and click Yes in the dialog below.
- 4) When it finishes normally, PASS is displayed.  
At this time, the PS5 will be out of factory mode.
- 5) Disconnect the setting of ②



# How to install & start QA inspection app 4/5

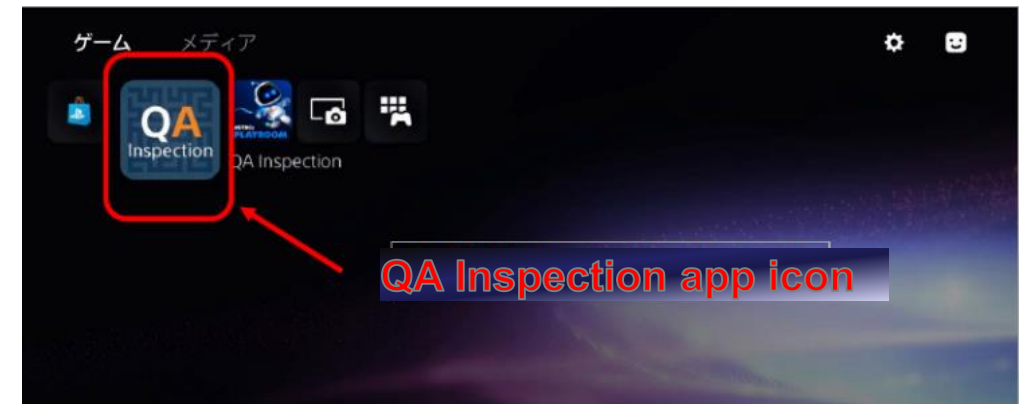
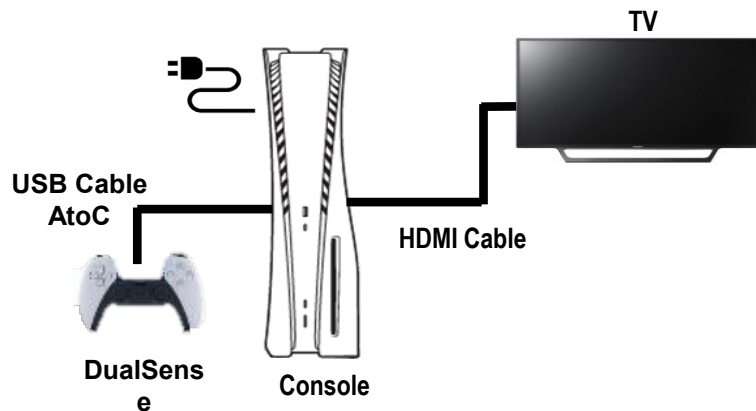
## ■ Procedure

### ④ Settings-2

- 1) Connect TV and PS5 with HDMI cable.
- 2) Connect the wireless controller to PS5

### ⑤ Operating procedure-2

- 1) Press and hold the PS5 power button for about 7 seconds to boot into safe mode.
- ① 2) Select "5. Clear Cache and Rebuild Database" → "2.Rebuild Database" on the safe mode screen.  
PS5 reboots and boots into normal mode  
A QA Inspection app icon will appear on the home screen.



# How to install & start QA inspection app 5/5

## ■ Procedure

- ⑥ Insert the USB storage for booting into the console and select QA Inspection to start the application

\*In the USB storage, create a folder as below and save the startup file that matches the ver of the QA inspection app.

Folder : /data/startUp/

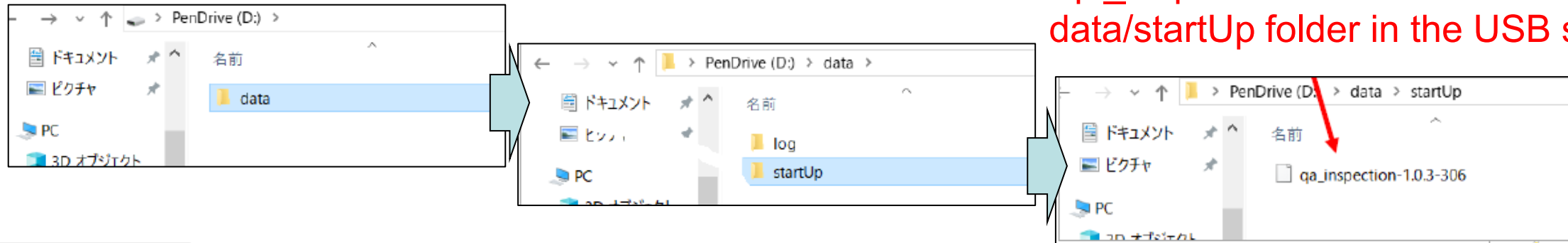
Install file(No extension) : qa\_inspection1.0.3-306

Version displayed on QA app :

QA Inspection 1.0.3-306

Same

If QA Inspection does not start, the file saved in the USB storage and the version of QA Inspection may be different.

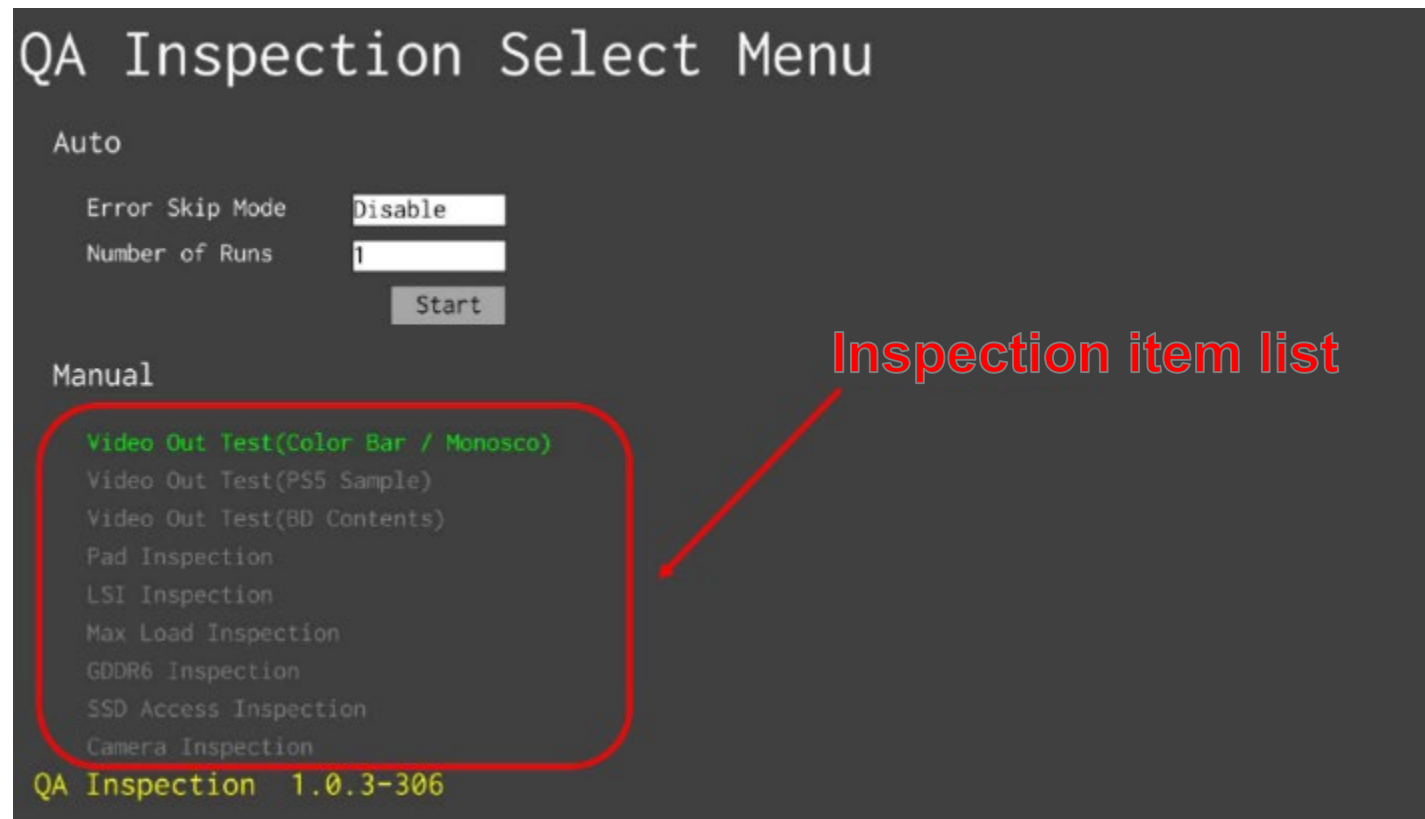




# How to operate the QA Inspection app

# Inspection contents

When you start QA Inspection, the following screen will be displayed.  
From the next page, the manual operation procedure for each inspection item is described.

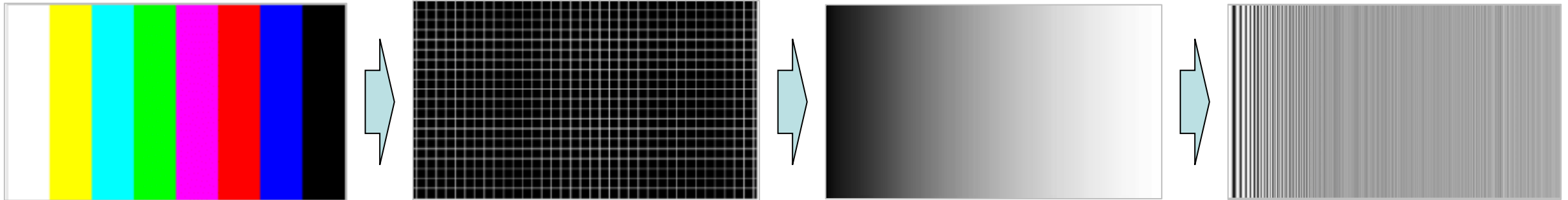


# Inspection contents

## ◆ Video Out Test(Color Bar / Monosco)

### ■ Procedure

- ① Select “Video Out Test (Color Bar / Monosco)” from the list of inspection items. (Enter with X button)
- ② The images are displayed in the order shown below.  
A beeping sound(Sine wave) is heard from the monitor or the headphone jack of DualSense.  
Here, make sure that each screen is not disturbed and that there are no abnormalities such as interruptions in the audio.  
You can switch images with the R1 / L1 buttons.



\* To return to the menu screen, hold down the option button and press L1.

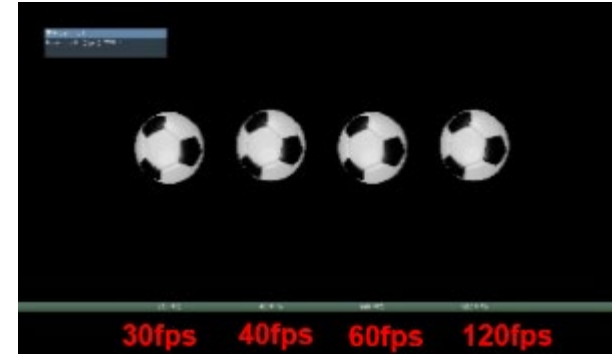
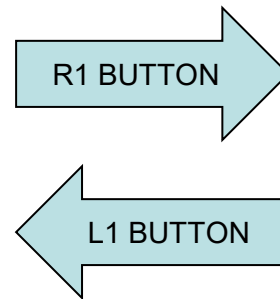


# Inspection contents

## ◆ Video Out Test(PS5 Sample)

### ■ Procedure

- ① Select “Video Out Test (PS5 Sample)” from the list of inspection items. (Enter with X button)
- ② The image of the soccer ball moving up and down is displayed as shown below. There is a frame rate display (30 / 60fps) under each soccer ball.  
Make sure the more frames, the smoother the movement of the ball.  
Also, if you are connected to a TV that supports 120fps, pressing the R1 button will add 40fps and 120fps balls. (Return to 2 soccer balls with L1 button)  
A beeping sound(Sine wave) is heard from the monitor or the headphone jack of DualSense.  
Make sure that there are no abnormalities such as interruptions in the audio.



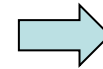
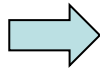
\* To return to the menu screen, hold down the option button and press L1.

# Inspection contents

## ◆ Video Out Test(BD Contents)

### ■ Procedure

- ① Select “Video Out Test (BD Contents)” from the list of inspection items. (Enter with X button)
- ② The images are displayed in the order shown below.  
A beeping sound(Sine wave) is heard from the monitor or the headphone jack of DualSense.  
Here, make sure that each screen is not disturbed and that there are no abnormalities such as interruptions in the audio.



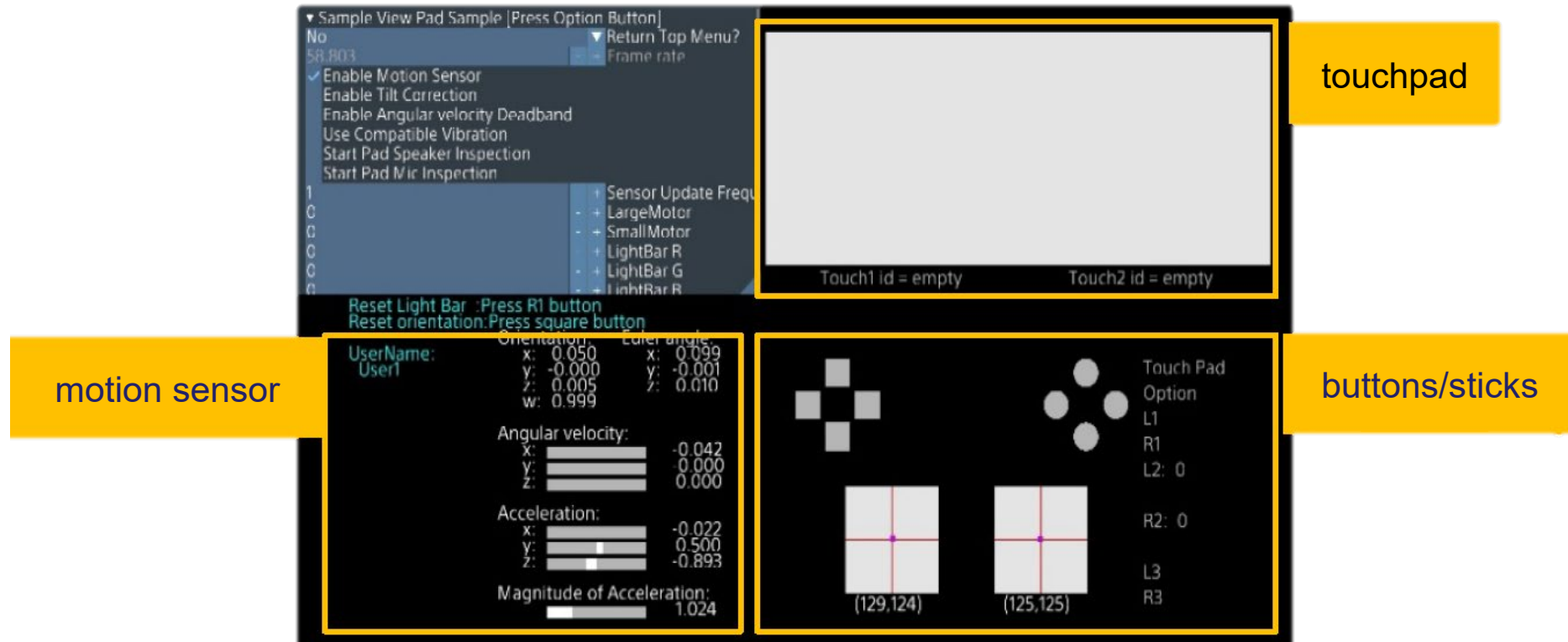
\* To return to the menu screen, hold down the option button and press L1.

# Inspection contents

## ◆ Pad Inspection(Dual Sense Inspection) 1/8

### ■ Procedure

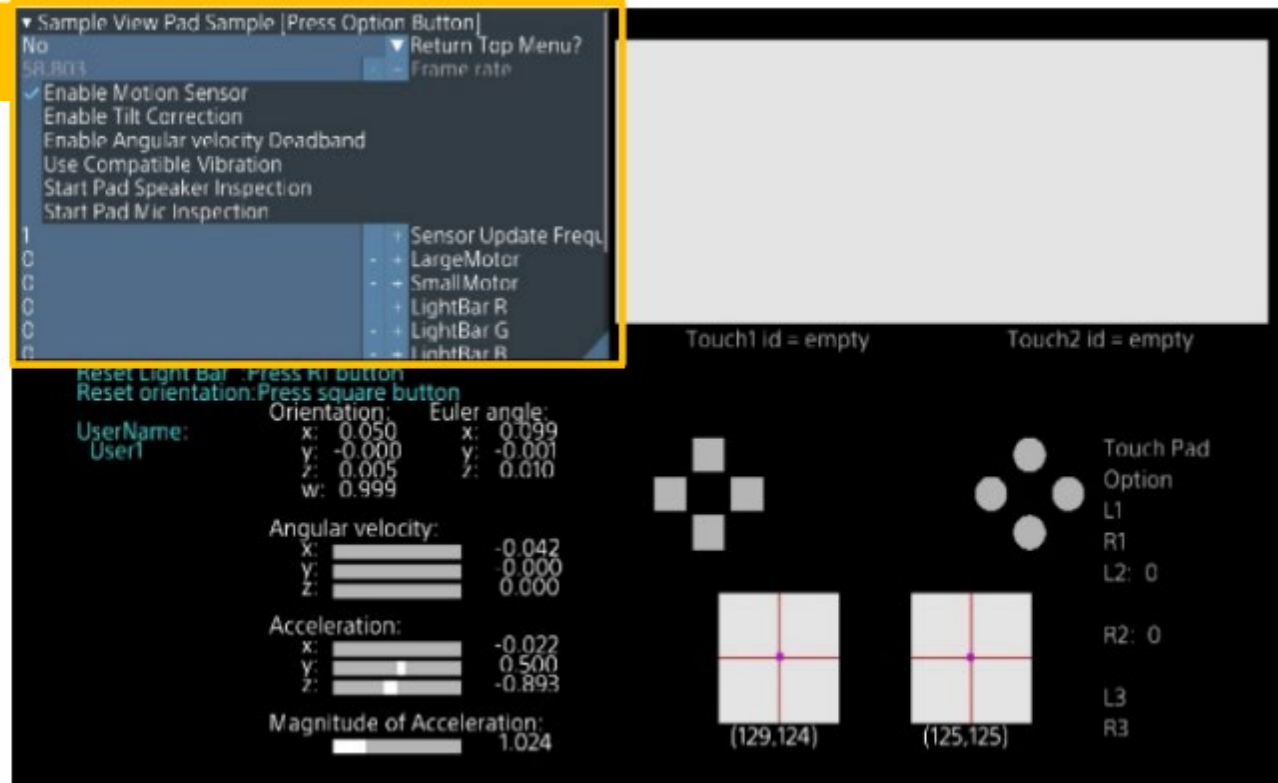
- ① Select “Pad Inspection” from the list of inspection items for QA Inspection. (Enter with X button)
- ② Make sure the connected DualSense buttons, pads and motion sensor are responding normally. The reaction result of each function is shown at the position shown in the figure below.





## ■ Procedure

## Sounds/Vibration/LED



# Inspection contents

## ◆ Pad Inspection(Dual Sense Inspection) 3/8

### ■ Procedure

- ④ Select "Start Pad Speaker Inspection" to play music from the Dual Sense speaker.  
Check for noise and crackling.
- ⑤ If you select "Start Pad Mic Inspection" and speak to the Dual Sense speakers, your voice will play with a slight delay.  
Check for noise and crackling. Also, check for that your voice does not play (mute) when you speak by pressing the DualSense mute button.



Mute button  
Mute state when lit





# Inspection contents

## ◆ Pad Inspection(Dual Sense Inspection) 5/8

### ■ Procedure

- ⑨ In each mode, the vibration is expressed as a numerical value in the item of Large Motor / Small Motor.

Here, check the vibration changes in each mode and that there is no abnormality in the vibration value. The vibration values of each mode are as follows.

Large mode → vibration value

LargeMotor(Max:255/Middle:128/Min:1)

Small mode → vibration value

SmallMotor(Max:255/Middle:128/Min:1)

Both mode → vibration value

LargeMotor(Max:255/Middle:128/Min:1)

SmallMotor(Max:255/Middle:128/Min:1)



# Inspection contents

## ◆ Pad Inspection(Dual Sense Inspection) 6/8

### ■ Procedure

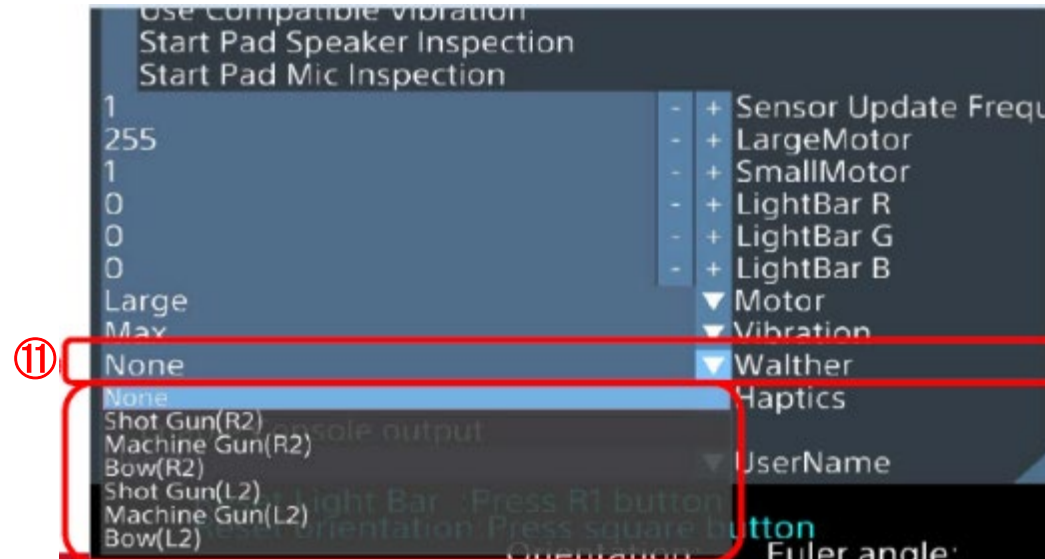
⑩ Remove ✓ of “Use Compatible Vibration” selected in the previous section.

(\* The following functions cannot be confirmed unless ✓ here is removed)

⑪ If you select the vibration mode from “Walther” item, you can give the vibration function to the adaptive trigger(R2 / L2 button of DualSense).

For example, if you select “Shot Gun (R2)” and press the R2 button, the vibration / sound of shooting a shotgun will be reproduced.

Here, check that the R2 / L2 button responds normally to each mode.



# Inspection contents

## ◆ Pad Inspection(Dual Sense Inspection) 7/8

### ■ Procedure

- ⑫ If you select the Haptics technology type from “Haptics” item, you can give the Haptics function to the assigned button. For example, if you select “Engine(Triangle)” and press the △ button of Dual Sense, the vibration of the car is reproduced along with the engine sound. Here, check that the buttons assigned to each mode respond normally.

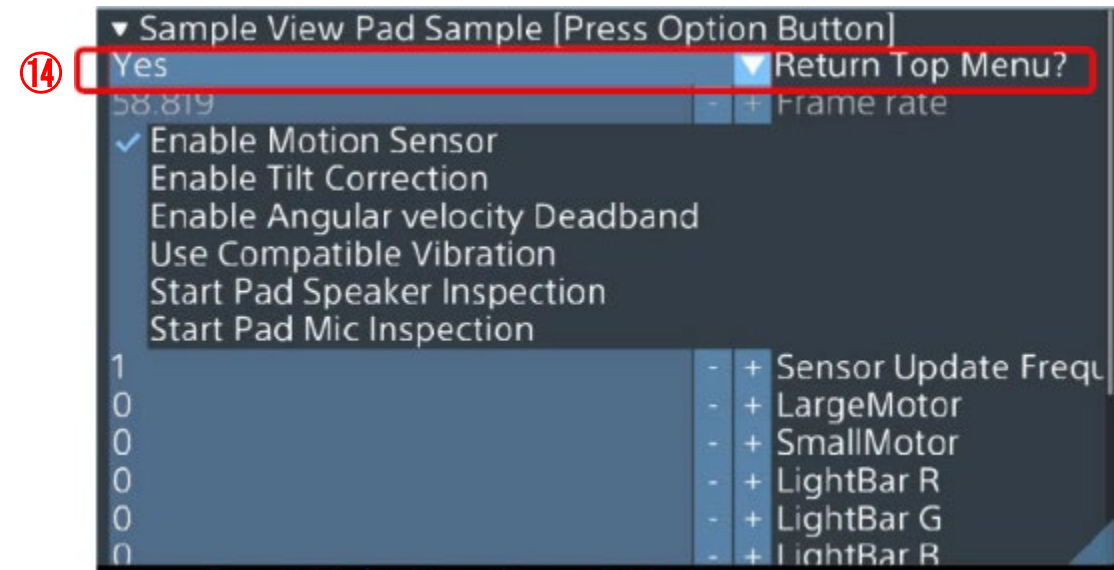
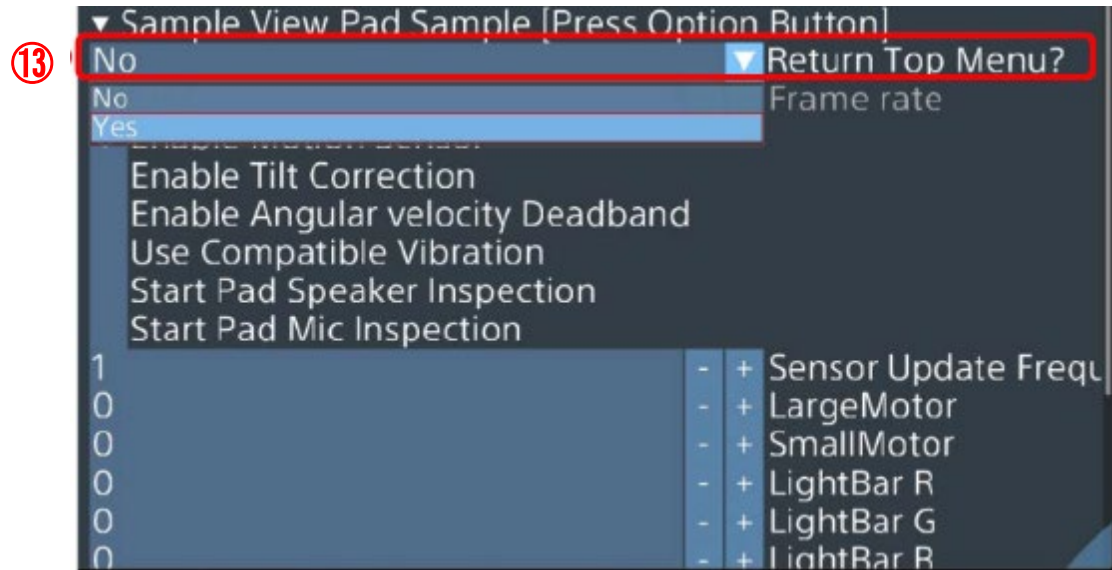


# Inspection contents

## ◆ Pad Inspection(Dual Sense Inspection) 8/8

### ■ Procedure

- ⑬ How to end Pad Inspection.  
Select "YES" in "Return Top Menu?" item.
- ⑭ Press the X button with "Yes" selected to return to the QA Inspection menu screen.



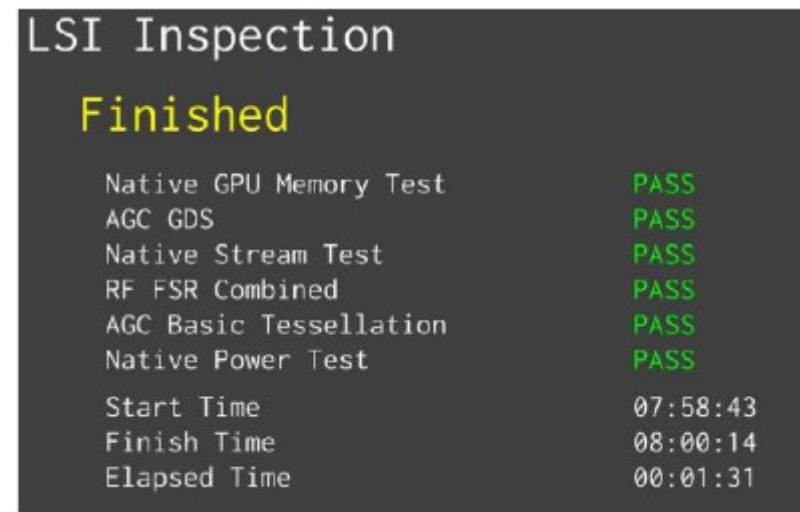
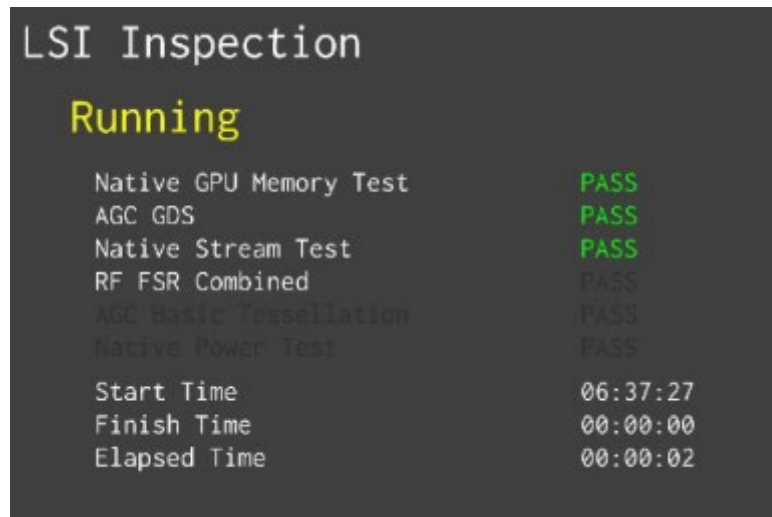


# Inspection contents

## ◆ LSI Inspection

### ■ Procedure

- ① Select “LSI Inspection” from the list of inspection items. (Enter with X button)
- ② The following image will be displayed and the inspection will start automatically. (Running)
- ③ When the inspection is completed and there are no problems, Finished is displayed.



\* To return to the menu screen, hold down the option button and press L1.

# Inspection contents

## ◆ Max Load Inspection 1/2

### ■ Procedure

- ① Select “Max Load Inspection” from the list of inspection items. (Enter with X button)  
This test is an extraction of only the “Native Power Test” from LSI Inspection. (Used to check the operation at maximum load)
- ② The image below is displayed, and when you press the × button, the Status will be “Running” from “Ready” and the inspection will start.  
The inspection is set to loop automatically, so you can leave it running to keep the set running at maximum load.



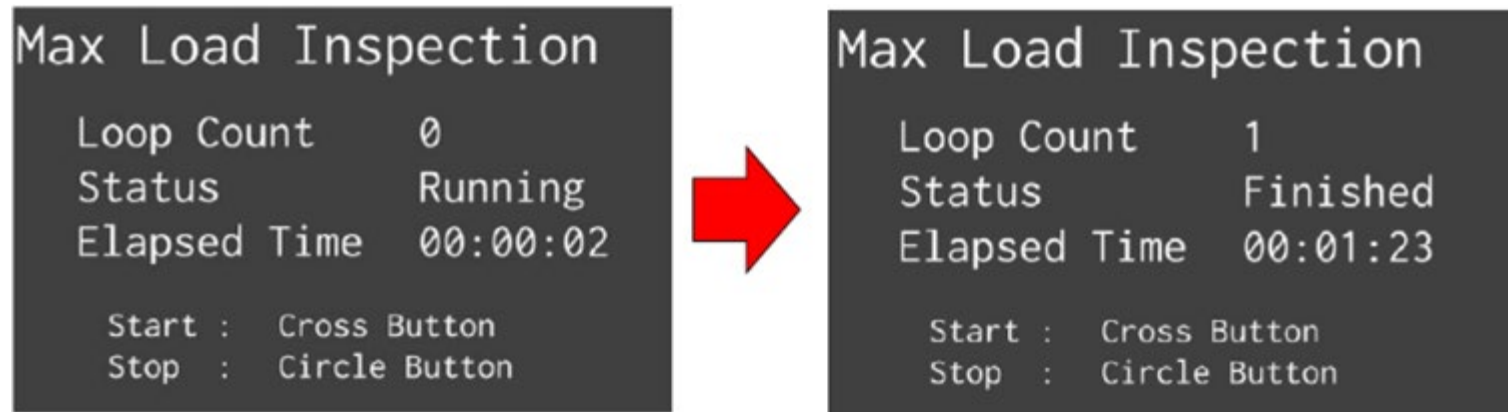
Start the test with the × button (Status changes to Running)

# Inspection contents

## ◆ Max Load Inspection 2/2

### ■ Procedure

- ③ Press the ○ button to finish the inspection. (If you press the ○ button during the inspection, the operation will stop after the ongoing inspection is completed.)



Press the ○ button to finish the test

※ To return to the menu screen, hold down the option button and press L1.



# Inspection contents

## ◆ GDDR6 Inspection

### ■ Procedure

- ① Select “GDDR6 Inspection” from the list of inspection items. (Enter with X button)
- ② The image below is displayed, and when you press the × button, the Status will be “Running” from “Ready” and the inspection will start.
- ③ Press the ○ button to finish the inspection.
- ④ When the inspection is completed and there are no problems, Finished is displayed.

```
GDDR6 Inspection
Loop Count  -----
Status      Ready
Elapsed Time 00:00:00

Start : Cross Button
Stop  : Circle Button
```



```
GDDR6 Inspection
Loop Count  41
Status      Running
Elapsed Time 00:00:08

Start : Cross Button
Stop  : Circle Button
```

Start the test with the × button  
(Status changes to Running)



```
GDDR6 Inspection
Loop Count  49
Status      Finished
Elapsed Time 00:00:10

Start : Cross Button
Stop  : Circle Button
```

Press the ○ button to finish the test

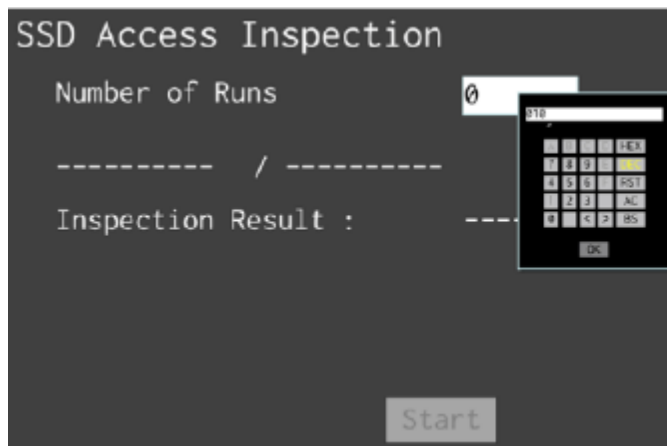
※ To return to the menu screen, hold down the option button and press L1.

# Inspection contents

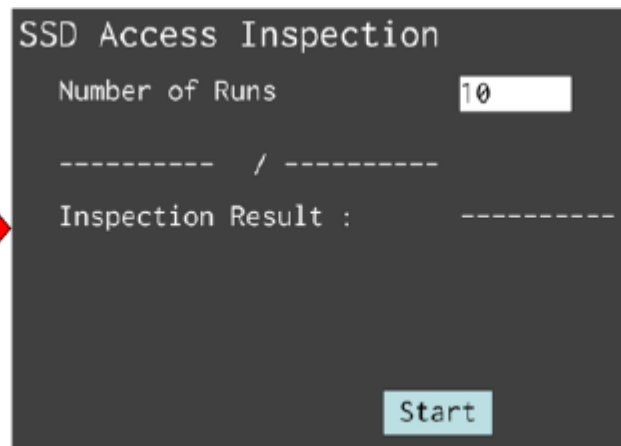
## ◆ SSD Access Inspection

### ■ Procedure

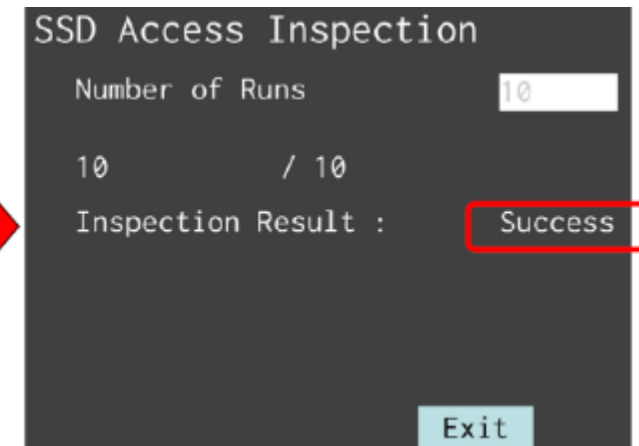
- ① Select “SSD Access Inspection” from the list of inspection items. (Enter with X button)
- ② The image below is displayed. Enter the number of tests in "Number of Run". (10 times in QA)
- ③ Select "Start" button to start the test. The inspection is completed when the entered number of tests is executed.
- ④ After the inspection is completed, if there is no problems, “Success” is displayed.
- ⑤ Select Exit to return to the inspection software home screen.



Enter the number of tests



Select "Start" button to start the test



If there is no problem,  
“Success” is displayed

# How to operate the automatic mode of the QA Inspection app

# Automatic inspection

- ◆ With QA Inspection, the following inspections can be performed automatically.
  - Video Out Test(Color Bar / Monosco) / Video Out Test(PS5 Sample) / Video Out Test(BD Contents) /LSI Inspection / SSD Access Inspection. (Inspect 10 times)

## ■ Procedure

- ① Select “Disable” in “Error Skip Mode” from the “Auto” items on the home screen.
- ② Enter the number of Auto checks in Number of Runs.
- ③ Select "Start" button, the Automatic inspection will be performed the number of times entered.
- ④ After the inspection is completed, if there is no problem, “Success” is displayed.



Enter the number of tests

Select "Start" button to start the test

If there is no problem,  
“Success” is displayed

# Automatic inspection



\* If you want to stop the test during the test, hold down the option button and press L1.  
Also, if you want to end the test when an error occurs during Auto inspection, enable Error Skip Mode.

# How to clean up after using the QA Inspection app

Please note that SUR and Refurbish have different support methods.

# How to clean up after using the QA Inspection app (SUR)

## ◆ Uninstall the QA Inspection app

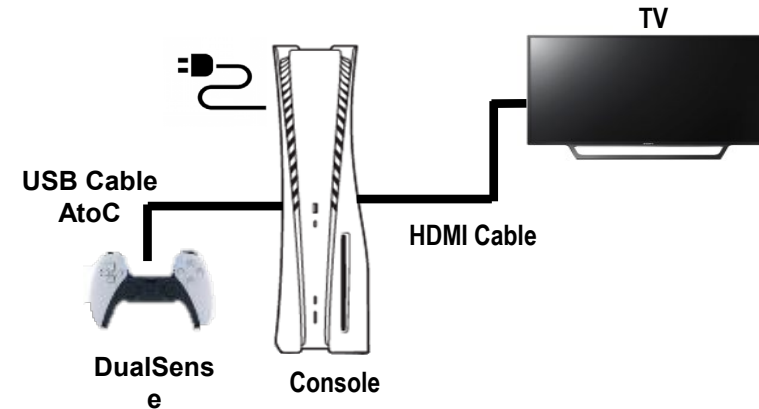
### ■ Procedure

#### ① Settings

- 1) Connect TV and PS5 with HDMI cable.
- 2) Connect the wireless controller to PS5

#### ② Operating procedure

- 1) On the PS5 home screen, select the QA Inspection app icon and press the option button on the wireless controller.
- 2) Select Delete from the displayed menu and check that the QA Inspection app icon disappears from the home screen.



# How to clean up after using the QA Inspection app (Refurbish )

- ◆ Initialize

- Procedure

- ① Refer to “4-9.Initialize” in the Refurbish Standard and carry out the procedure.



END