Help Guide

Next-Gen Olfactometry System for custom cartridges NOS-DX1000



This manual explains the basic usage for Next-Gen Olfactometry System for custom cartridges.

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Features of this product

This product is a "Next-Gen Olfactometry System" that releases odorants by setting a custom cartridge (sold separately) in the unit and operating a dedicated "Scent Canvas™" app.

The types of released odorants and the release patterns can be customized with the "Scent Canvas" app to easily release many different types of odorants.



Inject up to 40 odorant types of your choice

Customers inject the odorants into the custom cartridge (sold separately) themselves. Up to 40 types of odorants can be injected according to the application.

A cartridge clamper (sold separately) is required to inject the odorants.

Smell leakage suppression

The highly airtight cartridge and deodorization mechanism of the unit prevent smells from leaking out into the room. This eliminates restrictions such as the need to prepare specialized facilities, rooms, etc. and enables the device to be used in various locations.

Customizing the odorant release method using the templates

Set the odorant release method using the four types of templates in the "Scent Canvas" app. You can customize the type of odorant and release pattern according to the application and set multiple release methods.

Releases odorants quickly and easily

Operate the "Scent Canvas" app to instantly release an odorant. It can be easily used without staining your fingertips with odorants or mixing other dissimilar odorants.

Suppress variations in release conditions to release a stable odorant

Since the distance from the user's nose and the odorant release time are constant, variations in release conditions due to the user can be suppressed to release a stable odorant.

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Important notes

Precautions regarding the use of this product

- This product is not intended for treatment, diagnosis, or other medical care.
- Do not use this product for purposes other than odorant release.

Precautions regarding odorant injection

- Customers shall be responsible for decision-making and management regarding the handling of the odorants to be injected into the sub-cartridges (sold separately).
- The sub-cartridge material uses anodized aluminum, POM, and PET. Use odorants that do not affect the material. Furthermore, the material may be subject to change without notice. Customers shall be responsible for making decisions about the compatibility of odorants.
- Sony does not assume any responsibility for the odorants used.
- Follow the steps listed in this Help Guide or the Startup Guide to carry out the series of odorant injection tasks. If the work is not performed correctly, the odorant may leak, adhere to the unit, and leave an odor.

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Checking the package contents

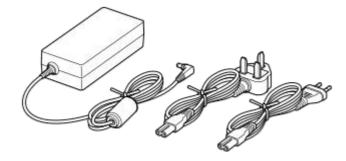
In the event that any items are missing, please contact the dealer where the unit was purchased. The numbers in parentheses indicate the number of each item.

The custom cartridge, cartridge clamper, nose guide, and odorant release port cover are optional accessories.

Main unit (1)



AC adapter (1)/power cord (2)



Dedicated tablet (*) set (1)
 The dedicated "Scent Canvas" app is pre-installed.



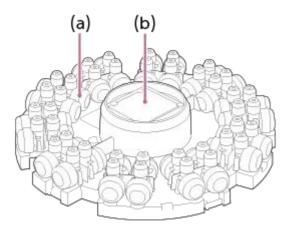
Startup Guide (1)

* The specifications of the dedicated tablet vary depending on the time of purchase.

Optional accessories

Custom cartridge (hereinafter, listed as "cartridge")
 The cartridge is equipped with 40 odorant injecting sub-cartridges. Cartridge stickers and replacement deodorization

filter are included.



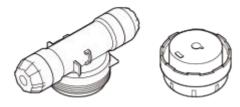
- (a) Sub-cartridges
- (b) Deodorization filter
- Cartridge clamper

Use the clamper together with a commercially available torque wrench to open and close the sub-cartridges. The sub-cartridges can be hermetically sealed.

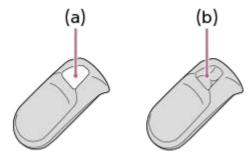


Sub-cartridge set

This is a set for adding sub-cartridges. Cartridge stickers and replacement deodorization filter are also included.



Nose guide (a)/odorant release port cover (b)
 Install a new nose guide on the unit for each user.
 When not in use, install the odorant release port cover on the unit.



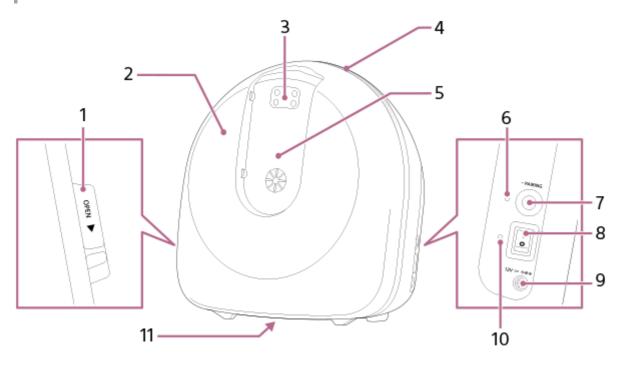
- (a) Hole open
- (b) Hole closed

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Guide to parts and controls

Main unit



1. Front cover OPEN lever

When attaching or replacing the cartridge, slide the OPEN lever to remove the front cover.

2. Front cover

Open the front cover, remove the cartridge cover, and attach or replace the cartridge.

3. Odorant release port

Odorants are released from this port.

4. LED section

The LED indicates the status of the odorant release (LED guide).

LED color	LED status	Main unit status
White	Blinks	Countdown to odorant release (3 seconds)
Blue	Lit up	Odorant release underway
Blue	Blinks	Checking the connection with the dedicated tablet

5. Nose guide/odorant release port cover installation area

Install a nose guide whenever the unit is in use and replace it with a new nose guide for each user. When not in use, install the odorant release port cover.

6. Bluetooth® indicator

Indicates the connection status between the unit and dedicated tablet.

Indicator color	Indicator status	Connection status
Blue	Lit up	Bluetooth connection established
Blue	Blinks quickly	Checking the connection
Blue	Blinks slowly	Pairing
_	Off	Bluetooth connection not established

7. PAIRING button

Use this button when severing the Bluetooth connection between the unit and dedicated tablet. Use the "Scent Canvas" app to reconnect the unit and dedicated tablet.

8. Power switch

Turns the power on and off.

9. Power terminal 12V ==

Connects the AC adapter.

10. Power indicator

Indicates the power status.

Indicator color	Indicator status	Power status
Green	Lit up	Power is turned on
_	Off	Power is turned off

11. Device name plate

Tablet

Please see the Operating Instructions for the dedicated tablet.

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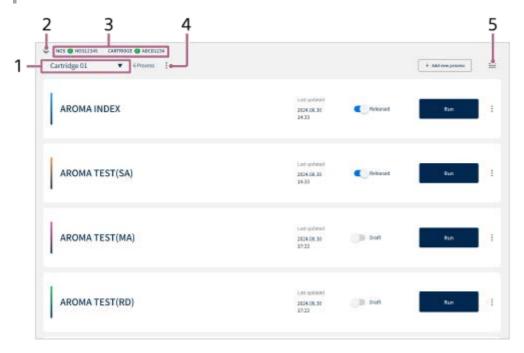
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"Scent Canvas" App Home screen

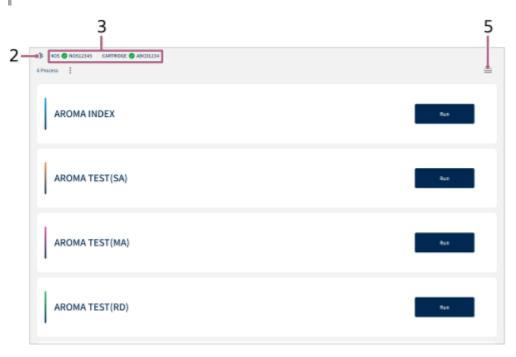
The "Scent Canvas" App has two modes: Administrator Mode and User Mode. The content displayed on the Home screen changes depending on the mode.

Change the mode under **≡** (Settings) — [Admin Mode].

Administrator Mode Home screen



User Mode Home screen



1. Cartridge name/cartridge selection ([Admin Mode] only) The name of the installed cartridge is displayed.

When switching to a different cartridge, tap this area to select a cartridge from the displayed list.

2. (Connection)

Use this icon when connecting the unit and tablet by Bluetooth communication.

3. Connection status indicator

Displays the connection status of the unit and tablet and the cartridge installation status. (Green) indicates a status of connected/installed while (Red) indicates a status of not connected/not installed.

4. Number of processes

The number of processes created with the installed cartridge is displayed. In Administrator Mode, this is the number of all created processes including draft processes. In User Mode, it is only the number of processes that are set to [Released].

- 5. (Settings)
 - Different items are displayed in Administrator Mode and User Mode.
 - For the differences in authorization in Administrator Mode and User Mode, see "Switching between Administrator Mode/User Mode."

To switch from Administrator Mode to User Mode (or vice versa)

Tap \equiv (Settings) to switch [Admin Mode] (On/Off). When it is switched on, it is in Administrator Mode, and when switched off, it is in User Mode.

Note

The screen images shown in this Help Guide may differ from the actual screens.

Related Topic

- Releasing a process
- Switching between Administrator Mode/User Mode

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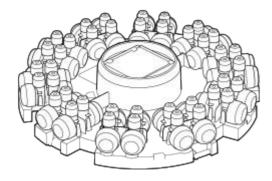
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Preparation Step 1: Arranging all of the necessary items

To inject the odorants into the sub-cartridges and prepare the cartridge, prepare the following items in advance.

Optional accessories

Custom cartridge



Cartridge clamper



Commercially available items

The necessary items are not limited to those listed below. Arrange the necessary items according to the odorants to be used and carry out the odorant injection work with the appropriate clothing and environment. If anything is unclear, please contact the dealer where the unit was purchased.

The illustrations are for reference only.

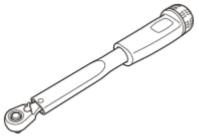
Odorants to be used (maximum of 40 different types)



• Torque wrench

Prepare a torque wrench with an insertion angle of 6.3 mm to 6.35 mm (1/4 inch) that ca

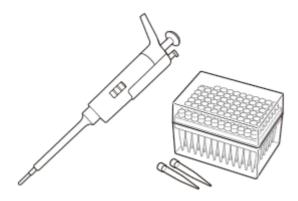
Prepare a torque wrench with an insertion angle of 6.3 mm to 6.35 mm (1/4 inch) that can set a torque of 3.5 N·m.



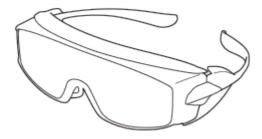
Micropipette and other dispensing burettes

These are used to inject the odorants. Up to 0.66 mL of odorant can be injected in a sub-cartridge. Use the appropriate product according to the volume and odorant to be injected.

The illustration shows a micropipette for reference only.



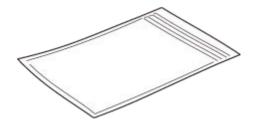
Protective glasses



Protective gloves



Trash bag for tip disposal
 This bag is used for the disposal of used micropipette tips.



Note

Sony does not assume any responsibility for the odorants used.

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Preparation Step 2: Configuring the initial settings with the "Scent Canvas" app

Advance preparation

- Charge the dedicated tablet to a sufficient level in advance. Check the tablet's Operating Instructions for the charging method.
- 1 Turn on the dedicated tablet and launch the "Scent Canvas" app.
- Follow the on-screen instructions to select your country/region, check the Software License, and set the language.

When the check finishes, the Home screen is displayed.

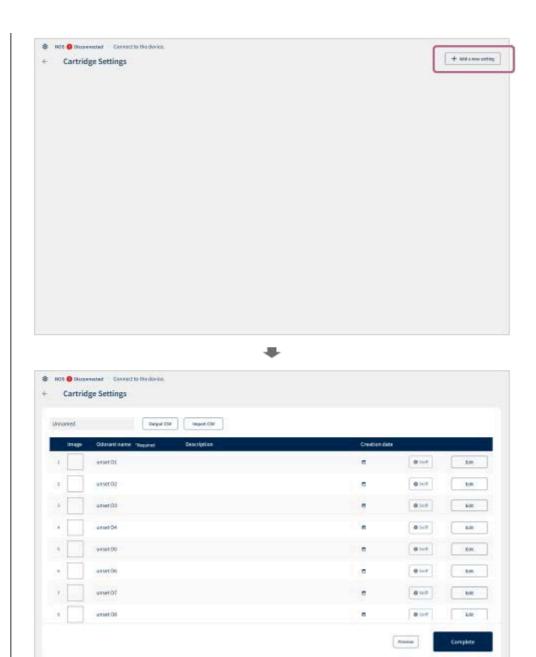


Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.





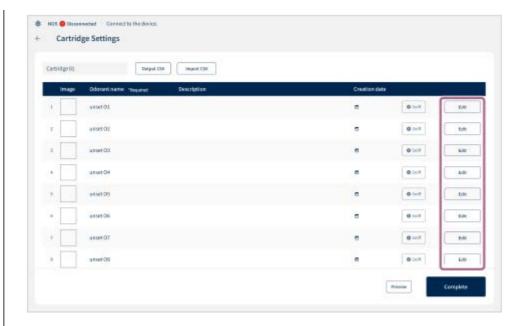
Tap [+ Add a new setting] in the upper right part of the screen and then tap [Create] on the [Do you want to create a new cartridge setting?] screen.



The [Cartridge Settings] screen is displayed.

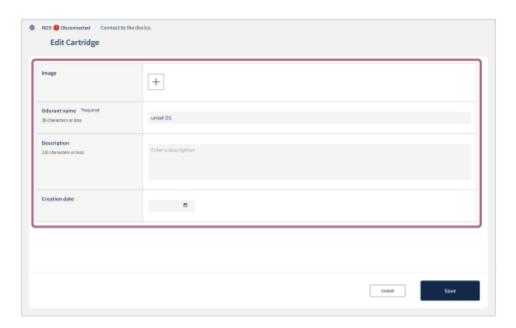
- Tap [Unnamed] in the upper left part of the screen and enter the cartridge name.
- Tap [Edit] for the number of the sub-cartridge to register an odorant on the [Cartridge Settings] screen.

You can use a CSV-formatted file to batch register the odorant information. For details, see "Batch registering the odorant information" below.



8 Enter the odorant information on the [Edit Cartridge] screen.

Enter the [Odorant name]. Enter the thumbnail image, description, and date of odorant injection as needed.



- **Image:** Save any image to the tablet and set it as the thumbnail image.
- Odorant name (*Required): Register the name of the odorant used for each sub-cartridge number (maximum of 24 characters).
- Description: Enter the description for each odorant (maximum of 210 characters).
- Creation date: Set the date of odorant injection.
- Tap [Save] when the odorant information has been entered.
- Repeat steps 7 through 9 to register the odorants.

Up to 40 different types of odorants can be registered.

When all of the odorants have been registered, check the registration details and tap [Complete].

Tap [Preview] to display the cartridge diagram and check the number and position of the sub-cartridges with registered odorants.

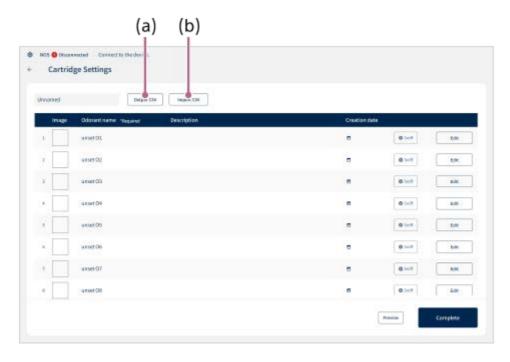
Tap [Complete] to save the cartridge settings with the entered details.



Batch registering the odorant information

Tap [Output CSV] (a) to output the CSV file and edit it on a computer.

When the editing is finished, save the CSV file to the tablet, tap [Import CSV] (b), and select the CSV file to load. Follow the on-screen instructions to operate the tablet and tap [Save] to batch register the odorant information.



Perform the operation above when editing registered odorant information.

Hint

If you want to copy and use the same cartridge setting on another tablet, migrate the data to the tablet as follows.

Export operation: While displaying the cartridge setting you want to copy, tap [Output CSV]. The CSV file will be saved in the "olfactory_info_yyyymmddhhmmss" folder. If images are registered in the cartridge setting, the image data will also be saved in the "pictures" folder.

Copy the entire "olfactory_info_yyyymmddhhmmss" folder to the tablet to which you want to migrate the data.

• Import operation: On the tablet to which you want to migrate the data, tap [Import CSV] on the [Cartridge Settings] screen. Then, select and import the CSV file in the "olfactory_info_yyyymmddhhmmss" folder that you have copied. If there are images in the folder, they will be imported simultaneously.

Note

- According to the CSV (Comma Separated Values) specifications, the comma (",") character cannot be used. If a comma (",") is entered, the "Scent Canvas" app will not correctly load the CSV file.
- If the information is overwritten during registration, the previously registered information is erased.

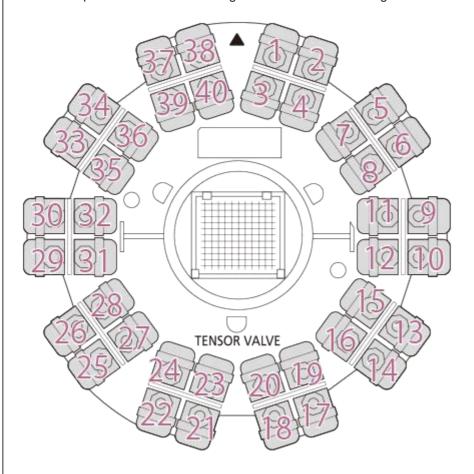
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Preparation Step 3: Removing sub-cartridges from the cartridge

- Place the cartridge on a flat surface.
- 2 Check the sub-cartridge into which the odorant will be injected.

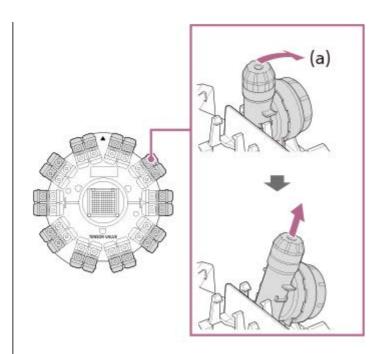
Check the position of the sub-cartridge with the number that registered the odorant with the "Scent Canvas" app.



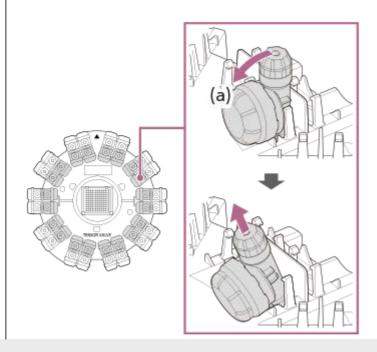
Remove the sub-cartridge with the number verified in step 2.

Tilt the sub-cartridge in direction (a) and pull it out.

Sub-cartridges on the outside



Sub-cartridges on the inside



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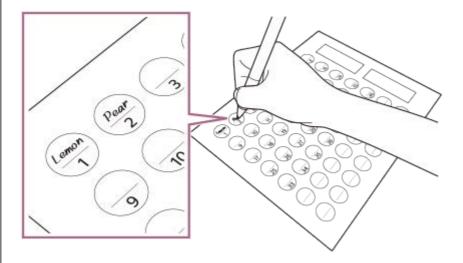
Preparation Step 4: Affixing stickers to the sub-cartridges

1

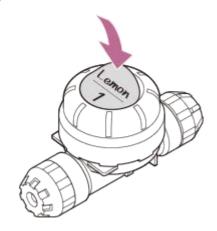
Write the odorant name and other notes on the stickers included with the cartridge.

Write the sub-cartridge number, odorant name, and other notes while checking the odorant on the Preview screen of the "Scent Canvas" app (refer to step 11 of "Preparation Step 2: Configuring the initial settings with the "Scent Canvas" app").

It is recommended that you write with a permanent marker.

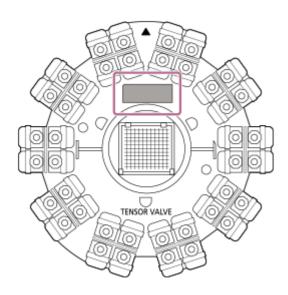


Affix the sticker in the center of the top side of the sub-cartridge.



Affixing the cartridge name sticker

It is recommended that you write the cartridge name on the rectangular sticker. This makes it easy to identify when using multiple cartridges. Affix the sticker with the cartridge name written on it above the deodorization filter.



Related Topic

Preparation Step 2: Configuring the initial settings with the "Scent Canvas" app

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Preparation Step 5: Injecting the odorant into the sub-cartridge

Advance preparation

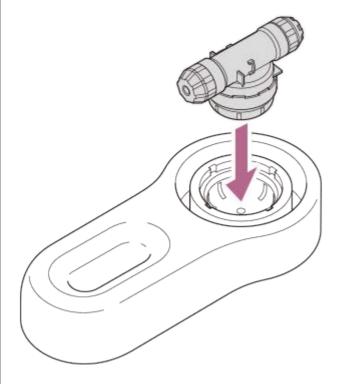
Please do the following before starting the odorant injection work.

- Set the torque wrench to 3.5 N·m. For details on how to use the torque wrench, please check the instruction manual for the torque wrench you are using. Opening and closing the sub-cartridge with a torque that is not set to 3.5 N·m may damage the cartridge clamper and sub-cartridge or cause the odorant to leak.
- Set the dispensing volume of the dispensing burette to a maximum of 0.66 mL. For details on how to use the dispensing burette, please check the instruction manual for the dispensing burette you are using.
- Please make preparations suited to the odorant you are using such as wearing protective glasses, protective gloves,
 etc.

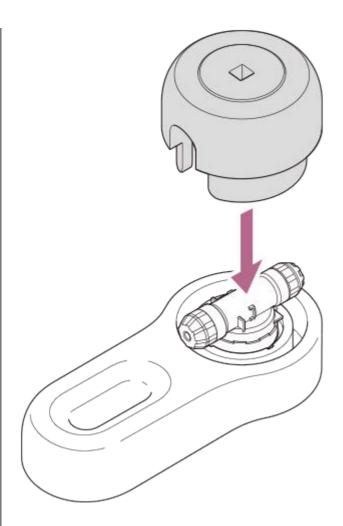
Follow the steps below to carry out the series of odorant injection tasks. If the work is not performed correctly, the odorant may leak, adhere to the unit, and leave an odor.

Set the sub-cartridge removed from the cartridge in the cartridge clamper (bottom).

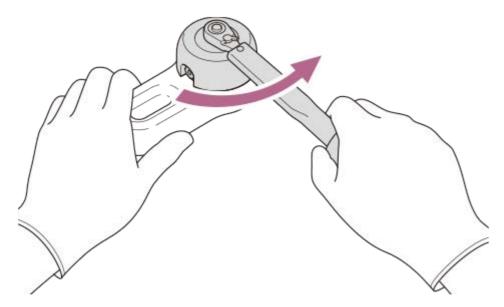
Check that the sub-cartridge does not move once set.



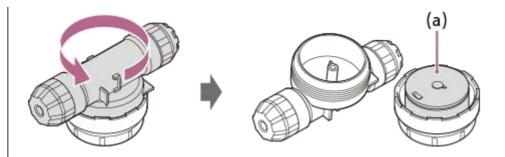
2 Set the cartridge clamper (top) over the cartridge clamper (bottom).



Use the torque wrench to turn the cartridge clamper (top) counterclockwise and loosen the sub-cartridge (top).



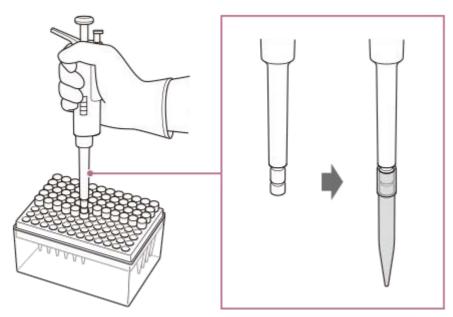
- Remove the cartridge clamper (top) and take out the sub-cartridge.
- Manually turn the sub-cartridge (top) counterclockwise to remove it and place the sub-cartridge (bottom) on the table with the top side of the metal cap (a) facing up.



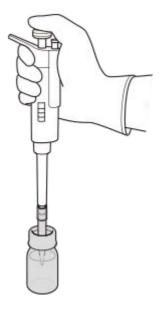
6 Have the odorant and dispensing burette ready at hand.

Use the appropriate dispensing burette according to the volume and odorant to be injected. <u>Here, the steps are explained using a micropipette for injection.</u>

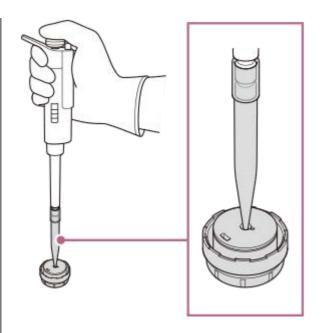
Attach the tip to the micropipette.



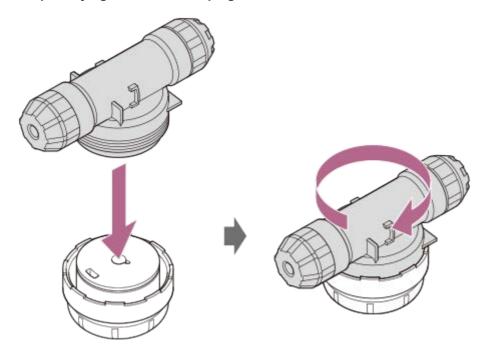
8 Aspirate a maximum of 0.66 mL of the odorant with the micropipette.



9 Inject the odorant from the hole in the center of the top side of the metal cap.

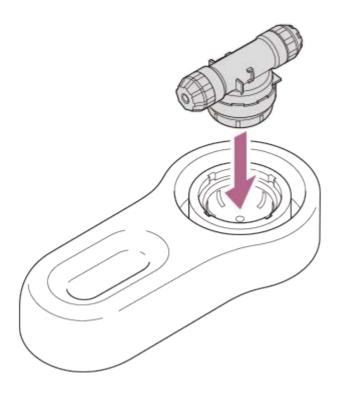


Place the sub-cartridge (bottom) on a flat surface and manually turn the sub-cartridge (top) clockwise to temporarily tighten it while keeping it level.

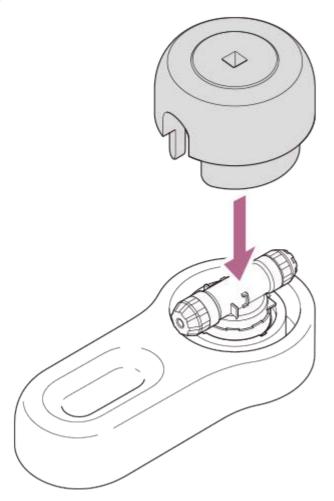


Meep the sub-cartridge level and set it in the cartridge clamper (bottom).

Check that the sub-cartridge does not move once set.

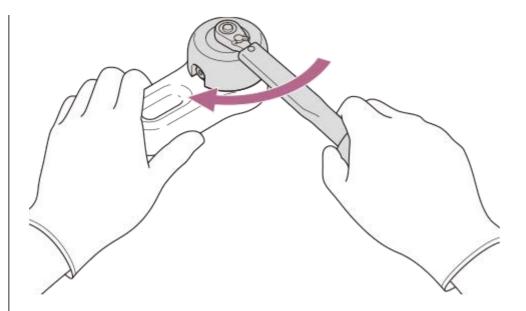


Set the cartridge clamper (top) over the cartridge clamper (bottom).



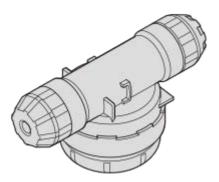
Use the torque wrench set to 3.5 N·m to turn the cartridge clamper (top) clockwise until it clicks and tighten the sub-cartridge (top).

When you hear it click, the sub-cartridge is hermetically sealed. (The sound indicating that it is sealed may differ depending on the torque wrench used.)



Remove the sub-cartridge from the cartridge clamper and wait approximately 30 minutes.

It takes approximately 30 minutes for the odorant to permeate inside the metal cap. Do not move the sub-cartridge while you wait.



Place in a level position for approximately 30 minutes.

15 Repeat steps 1 through 13 while waiting to inject the odorants into the remaining sub-cartridges.

Note

- Up to 0.66 mL of odorant can be injected. If more than 0.66 mL is injected, the odorant may leak and cause the unit to smell or malfunction.
- In the event that the odorant leaks, wear protective gloves and wipe it off appropriately with a cloth, etc. according to the odorant.
- Tightening the sub-cartridge with a torque that is not set to 3.5 N·m may damage the cartridge clamper and sub-cartridge or cause the odorant to leak.
- If the specified torque is not reached while tightening with the torque wrench, the cartridge clamper may be defective. To replace the cartridge clamper, please contact the dealer where the unit was purchased.
- A sub-cartridge can only be used once. Do not reuse a sub-cartridge that was injected with an odorant one time.
- Do not open a sealed sub-cartridge that was injected with an odorant and sealed. Doing so may cause the odorant to leak.

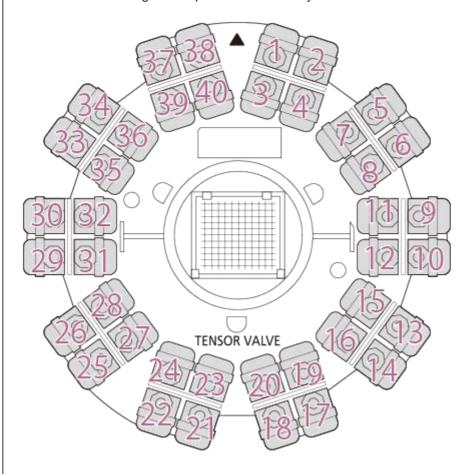
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Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Preparation Step 6: Installing the sub-cartridges in the cartridge

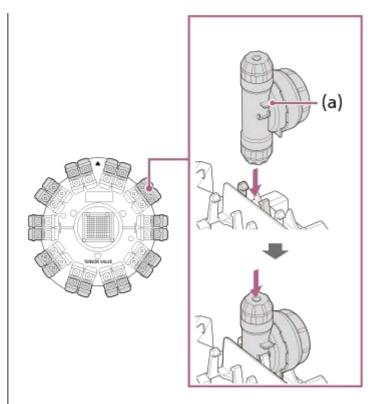
- Place the cartridge on a flat surface.
- 2 Check the install position of the sub-cartridge.

Install the sub-cartridge in the position indicated by the number on the sticker affixed to the sub-cartridge.



Install the sub-cartridge in the cartridge.

Orient the sub-cartridge so that the vane part is on the upper side and install it directly into the cartridge.



(a) Vane

V-818-100-12(1) Copyright 2025 Sony Corporation

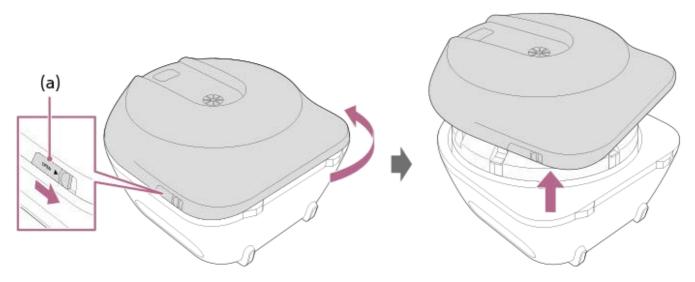
Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Preparation Step 7: Setting the cartridge into the unit

Advance preparation

- When using the cartridge for the first time, remove the cushioning material from the central part of the cartridge cover.
- 1 Lay the unit down and remove the front cover.

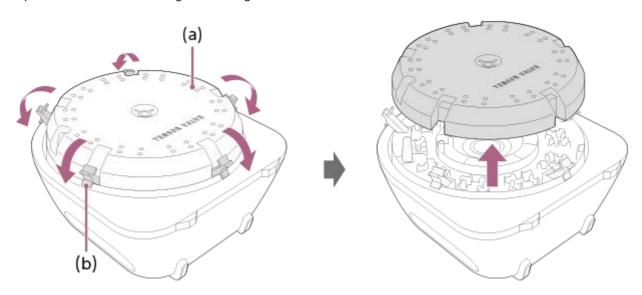
Slide the front cover OPEN lever, turn the front cover slightly in the counterclockwise direction, and remove the front cover.



(a) Front cover OPEN lever

Remove the cartridge cover.

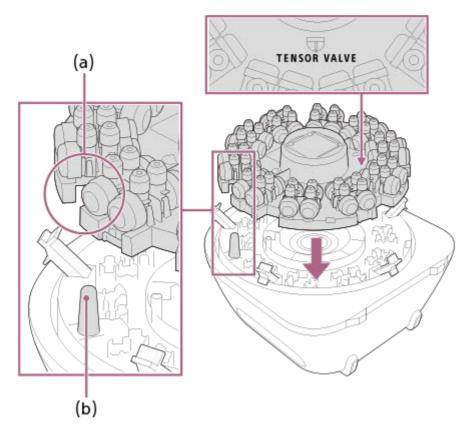
Open the 5 buckles fastening the cartridge cover to remove it.



- (a) Cartridge cover
- (b) Buckle

3 Install the cartridge.

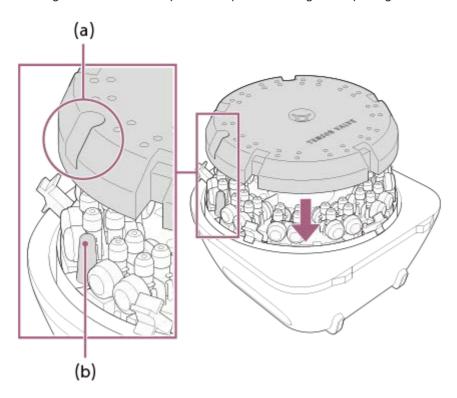
Align the cartridge notch with the protrusion and install the cartridge so that the "TENSOR VALVE" logo appears upright when the underside of the unit is in front of you.

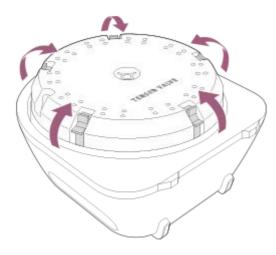


- (a) Notch
- (b) Protrusion

Attach the cartridge cover.

With the "TENSOR VALVE" logo appearing upright when the underside of the unit is in front of you, attach the cartridge cover so that the protrusion passes through the opening and fasten the 5 buckles.



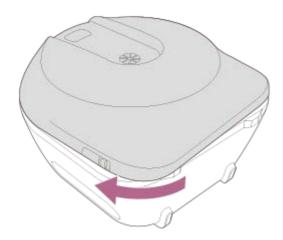


- (a) Opening
- (b) Protrusion

Firmly close the buckles. If the front cover is attached without firmly closing the buckles, the cartridge cover may be damaged.

6 Attach the front cover.

Turn the front cover clockwise until it clicks to attach it.

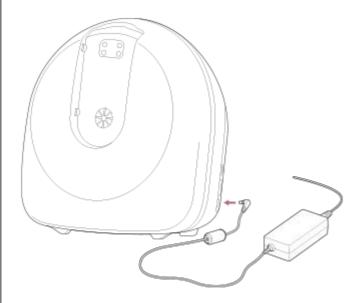


Next-Gen Olfactometry System for custom cartridges NOS-DX1000

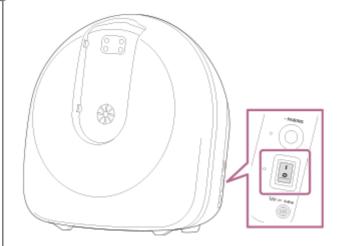
Preparation Step 8: Turning on the power to the unit

Connect the power cord of the AC adapter to the unit and the outlet.

When connecting the power cord to the AC adapter, select the power cord that matches the shape of the outlet.



2 Turn on the power switch on the right side.



Help Guide

Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Preparation Step 9: Connecting the unit and tablet

Advance preparation

- Charge the dedicated tablet to a sufficient level in advance. Check the tablet's Operating Instructions for the charging method.
- 1 Turn on the dedicated tablet and launch the "Scent Canvas" app.
- **2** Tap ☼ (Connection) in the upper left part of the app screen.

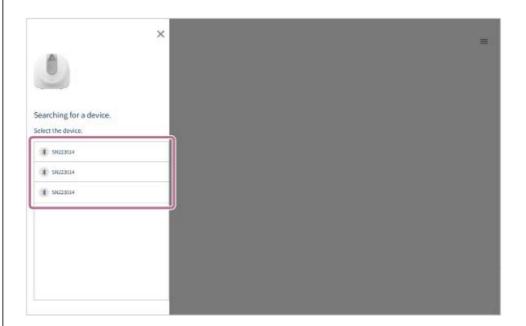


3 Tap [Select a device].



4 Choose and tap the unit to connect from the displayed list.

The unit and dedicated tablet are connected via Bluetooth communication.



footnotemark When [Connected] is displayed, tap imes (Close) in the upper right part of the screen.

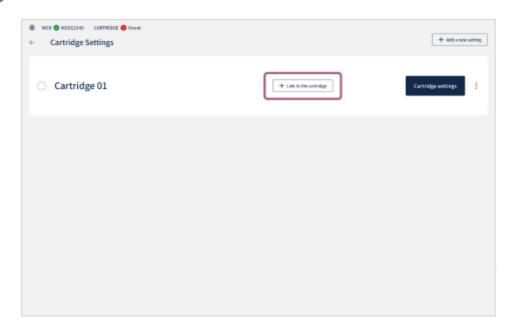
Help Guide

Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Preparation Step 10: Linking the cartridge and the cartridge setting

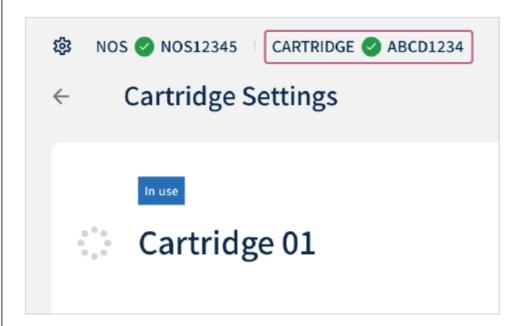
Advance preparation

- Before linking the cartridge, check that the sub-cartridges with the injected odorants are correctly installed in the cartridge. For details, see "Preparation Step 6: Installing the sub-cartridges in the cartridge."
- 1 Tap [+ Link to the cartridge] on the [Cartridge Settings] screen.



Check that the linking is complete.

When the linking is complete, the cartridge ID is displayed in the status display area in the upper left part of the screen, and the indicator changes from ① (Cartridge unconnected) to ② (Cartridge connected).

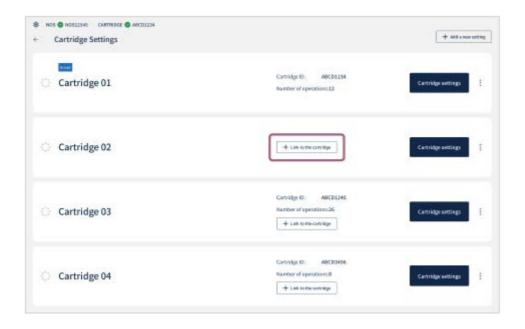


3 Tap [←] (Return).



Linking with other cartridge settings

If multiple cartridge settings are registered, you can choose which cartridge setting to link to the cartridge installed in the unit. When [+ Link to the cartridge] is tapped for the cartridge setting that you wish to relink on the [Cartridge Settings] screen, the cartridge setting link is changed, and [In use] is displayed for the cartridge setting that was relinked.



Related Topic

Preparation Step 6: Installing the sub-cartridges in the cartridge

Help Guide

Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Overview of the four types of templates

The "Scent Canvas" app provides the following four types of templates.

You can use the templates to customize the odorant release details and method and create a process tailored to the application (setting file that summarizes the odorant release conditions).

For more details about how to use the templates, check the "Related Topic" below.



Index

Select any odorant from a list of registered odorants to release an odorant.

Random

This type of template randomly releases an odorant before offering choices and having the user answer. Explanations for each question and the number of correct answers for the question can be displayed.

Preset (single)

This type of template releases one arbitrary odorant before offering choices and having the user answer. Explanations for each question and the number of correct answers for the question can be displayed.

Preset (multiple)

This type of template continuously releases multiple odorants before offering choices and having the user answer. Explanations for each question and the number of correct answers for the question can be displayed.

Hint

Created process can be imported to another tablet. For details, refer to "Migrating process data to another tablet."

Related Topic

- Before creating a process
- Creating an [Index] process
- Creating a [Random] process
- Creating a [Preset (single)] process
- Creating a [Preset (multiple)] process
- Migrating process data to another tablet

Help Guide

Next-Gen Olfactometry System for custom cartridges NOS-DX1000

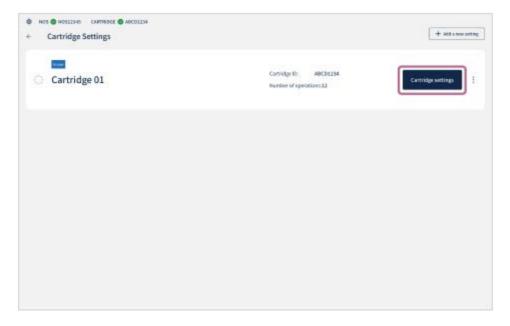
Before creating a process

Before creating a process, check that the odorant that you wish to use is correctly registered in the cartridge settings.

Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.



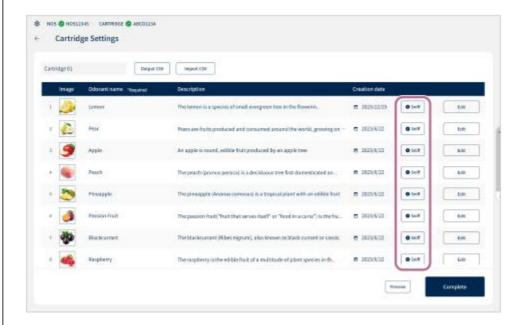
- 2 Tap ≡ (Settings) [☐ Cartridge Settings].
- 3 On the [Cartridge Settings] screen, tap [Cartridge settings] for a cartridge that is displayed as [In use].



Tap [Sniff] for each odorant and check that the registered odorant name and the actual odorant are correct.

If the registration number of an odorant is incorrect (the number is out of sequence, etc.), change the odorant registration in the app.

If an unintended odorant that differs from the registered odorant is injected into the cartridge, remove the current sub-cartridge and inject the correct odorant into a new sub-cartridge.



Related Topic

- Preparation Step 5: Injecting the odorant into the sub-cartridge
- Preparation Step 6: Installing the sub-cartridges in the cartridge
- Preparation Step 10: Linking the cartridge and the cartridge setting

Help Guide

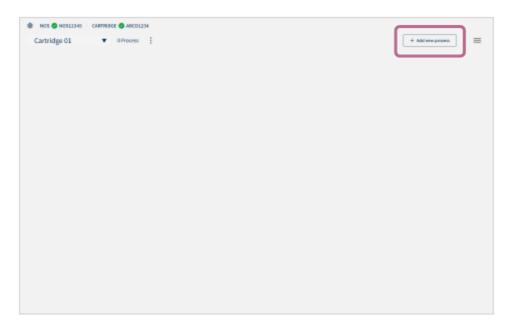
Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Creating an [Index] process

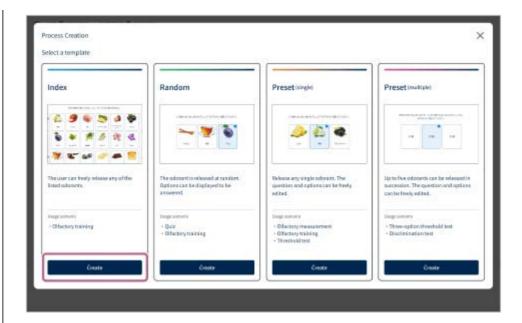
Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.



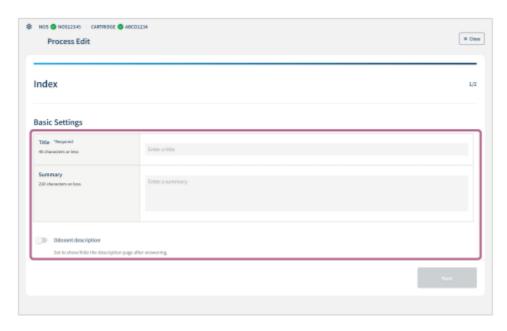
2 Tap [+ Add new process] in the upper right part of the screen.



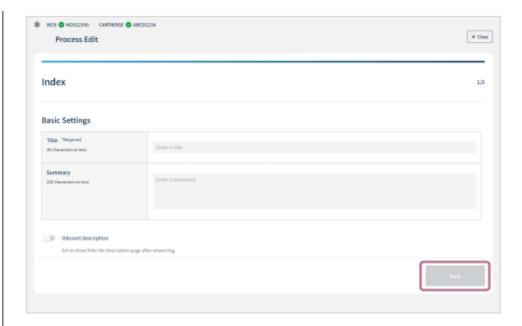
3 Tap [Create] in the [Index] section of the [Process Creation] screen.



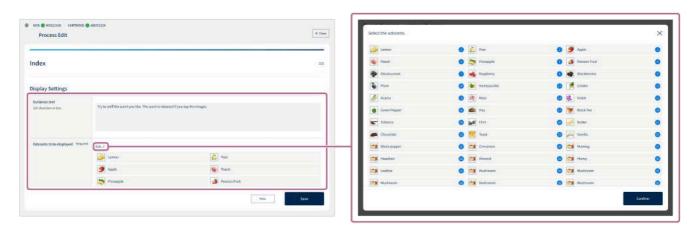
Configure the basic process settings.



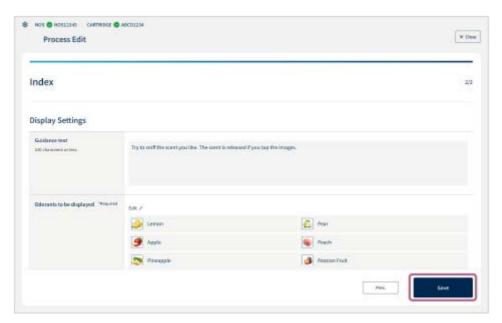
- Title (*Required): Enter the process title (maximum of 45 characters).
- Summary: Enter the process description (maximum of 210 characters).
- Odorant description: Set whether to display the explanation screen after answering. Tap the (On/Off) switch to set.
- Tap [Next].



6 Configure the process display settings.



- Guidance text: Enter the operational guidance and other text (maximum of 120 characters).
- Odorants to be displayed (*Required): Tap [Edit /] to display the odorant selection screen. Select the odorants on the odorant selection screen and tap [Confirm].
- 7 Tap [Save] to save the settings.



To stop the configuration in the middle

Tap [\times Close] in the upper right part of the screen.

Please note that the created settings are not saved.

Help Guide

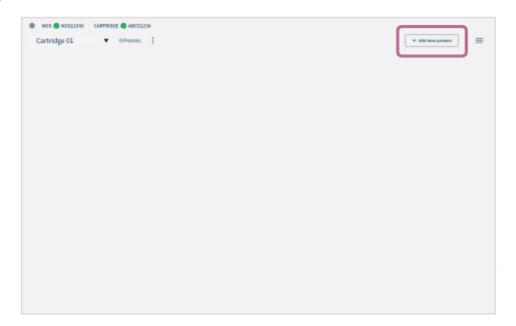
Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Creating a [Random] process

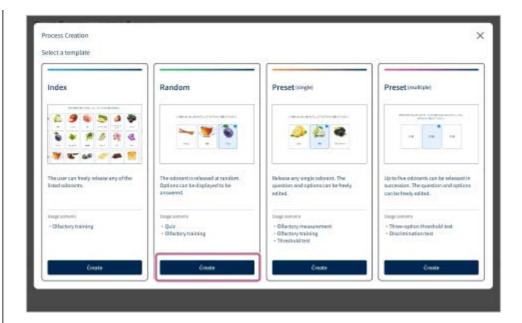
Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.



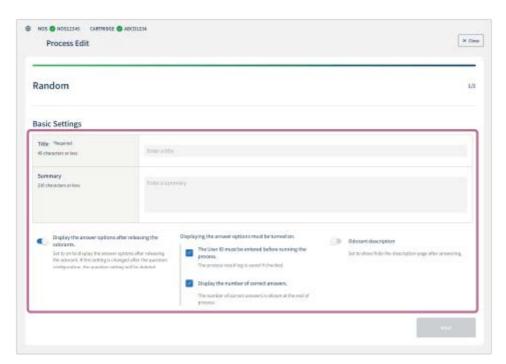
2 Tap [+ Add new process] in the upper right part of the screen.



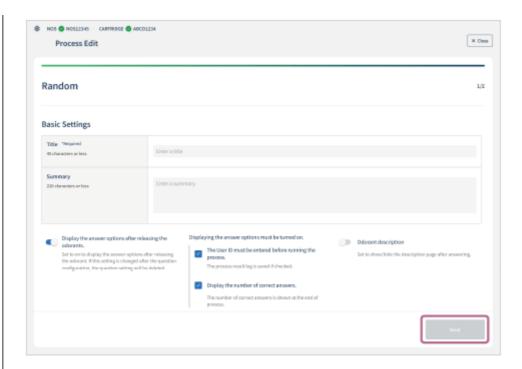
3 Tap [Create] in the [Random] section of the [Process Creation] screen.



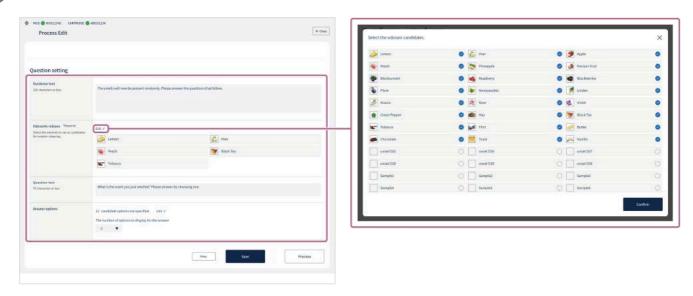
Configure the basic process settings.



- Title (*Required): Enter the process title (maximum of 45 characters).
- Summary: Enter the process description (maximum of 210 characters).
- Display the answer options after releasing the odorants.: Tap the (On/Off) switch to set. If turned on, the choices are displayed, and if turned off, it moves to the next question.
- The User ID must be entered before running the process.: This option can be set if [Display the answer options after releasing the odorants.] is turned on. When the box is checked, ID entry is required before process execution, and the process result log can be verified after answering.
- **Display the number of correct answers.:** This option can be set if [Display the answer options after releasing the odorants.] is turned on. When the box is checked, the number of correct answers is displayed at the end.
- Odorant description: Set whether to display the explanation screen after answering. Tap the (On/Off) switch to set.
- 5 Tap [Next].



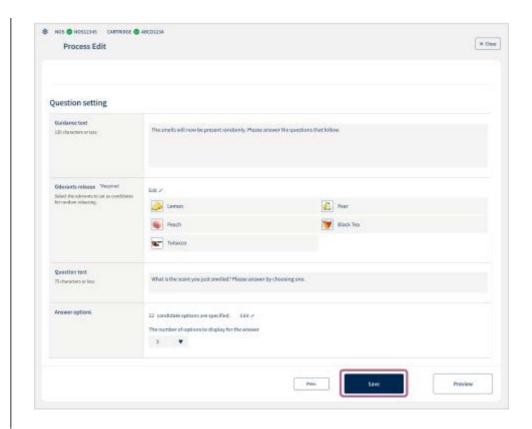
Configure the process question settings.



- Guidance text: Enter the operational guidance and other text (maximum of 120 characters).
- Question text: Enter the question text (maximum of 75 characters).
- Answer options: Tap [Edit /], specify the candidate choices on the [Cartridge] or [Dummy] screen, and select the number of choices (maximum of 8) from the [The number of options to display for the answer] dropdown menu.

[Dummy] can be set as answer choices that are not the actual odorants. To set dummy odorants, tap [Dummy Odorant Settings] under (Settings) in advance.

Tap [Save] to save the settings.



To stop the configuration in the middle

Tap [\times Close] in the upper right part of the screen.

Please note that the created settings are not saved.

To check the operation of the created process

Tap [Preview] on the last page of the settings screen.

You can use the preview function to check the process operation and the screen transition. After checking the operation, tap the [\leftarrow] (Return) button in the upper left part of the screen to return to the settings screen and tap [Save] if there are no problems with the settings.

Odorants are not released in the preview function.

Help Guide

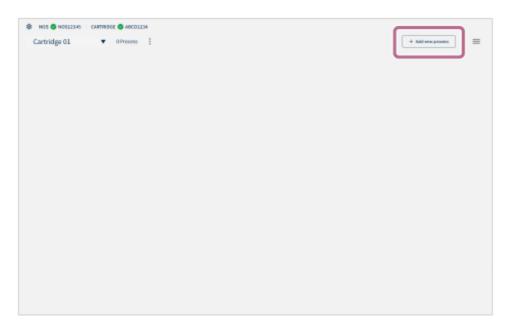
Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Creating a [Preset (single)] process

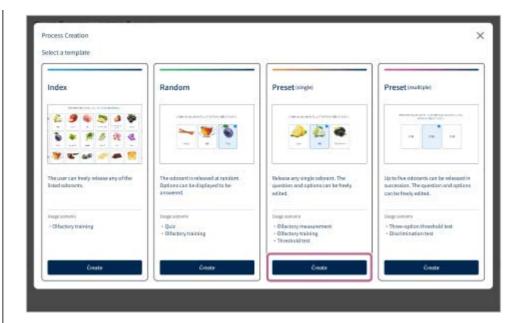
Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.



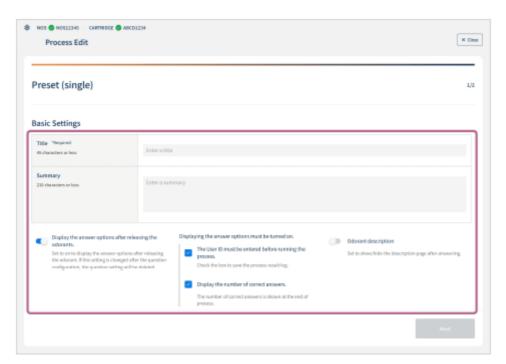
2 Tap [+ Add new process] in the upper right part of the screen.



3 Tap [Create] in the [Preset (single)] section of the [Process Creation] screen.

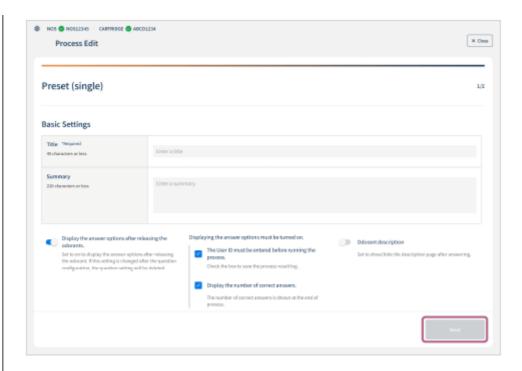


Configure the basic process settings.

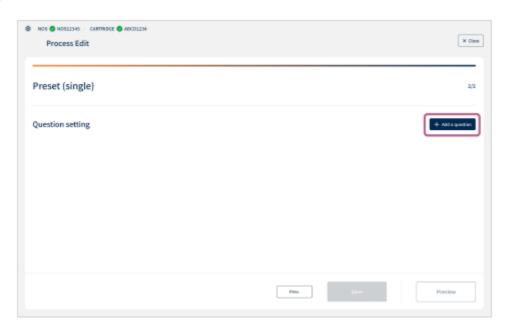


- Title (*Required): Enter the process title (maximum of 45 characters).
- Summary: Enter the process description (maximum of 210 characters).
- Display the answer options after releasing the odorants.: Tap the (On/Off) switch to set whether to display the answer choices after the odorant release.
- The User ID must be entered before running the process.: This option can be set if [Display the answer options after releasing the odorants.] is turned on. When the box is checked, ID entry is required before process execution, and the process result log can be verified after answering.
- **Display the number of correct answers.:** This option can be set if [Display the answer options after releasing the odorants.] is turned on. When the box is checked, the number of correct answers is displayed.
- Odorant description: Set whether to display the explanation screen after answering. Tap the (On/Off) switch to set.

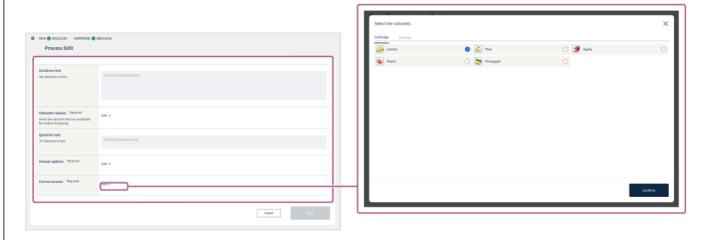
5 Tap [Next].



6 Tap [+ Add a question].

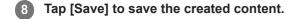


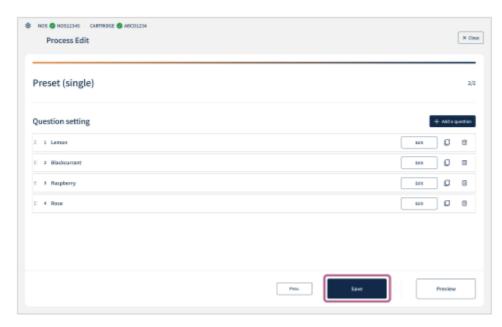
Configure the process question settings.



• Guidance text: Enter the operational guidance and other text (maximum of 120 characters).

- Odorant release (*Required): Tap [Edit /] to set one odorant candidate to release.
- Question text: Enter the question text (maximum of 75 characters).
- Correct answer (*Required): Tap [Edit /] to choose one item that becomes the answer on the [Cartridge] or [Dummy] screen.





To change the order of the added questions or duplicate/delete questions

Long press and then drag and drop \blacksquare (Change list order) on the left end of the [Question Setting] list to change the order of the questions.

Tap [(Duplicate) or [(Delete) on the right end of the [Question Setting] list to duplicate or delete questions.

To stop the configuration in the middle

Tap [X Close] in the upper right part of the screen.

Please note that the created settings are not saved.

To check the operation of the created process

Tap [Preview] on the last page of the settings screen.

You can use the preview function to check the process operation and the screen transition. After checking the operation, tap the [\leftarrow] (Return) button in the upper left part of the screen to return to the settings screen and tap [Save] if there are no problems with the settings.

Odorants are not released in the preview function.

Related Topic

Dummy Odorant Settings

Help Guide

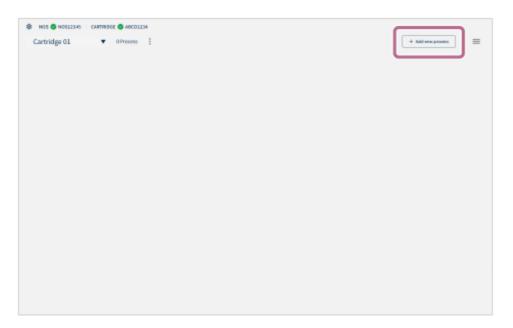
Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Creating a [Preset (multiple)] process

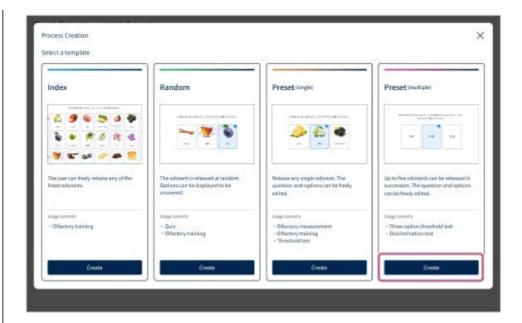
Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.



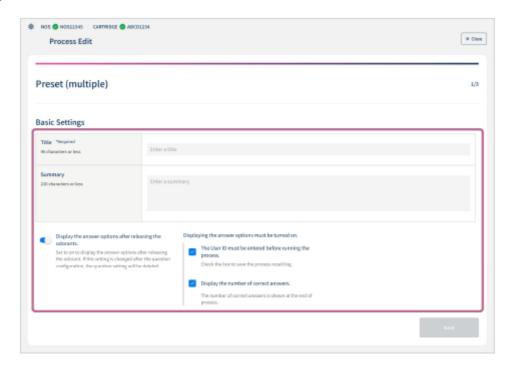
2 Tap [+ Add new process] in the upper right part of the screen.



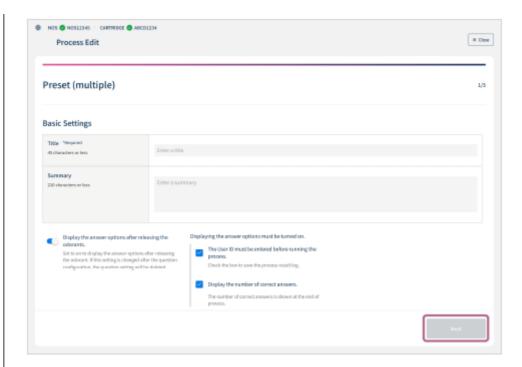
3 Tap [Create] in the [Preset (multiple)] section of the [Process Creation] screen.



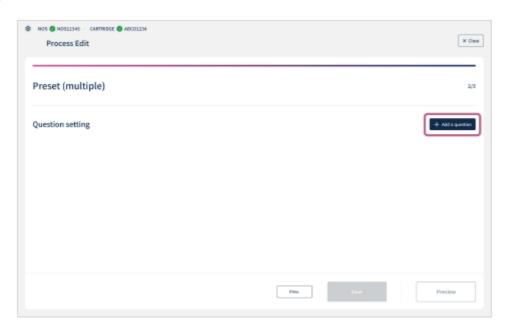
Configure the basic process settings.



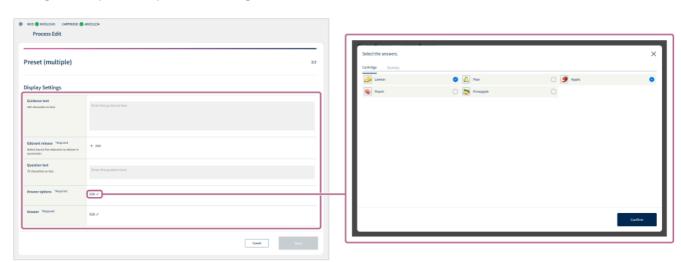
- Title (*Required): Enter the process title (maximum of 45 characters).
- Summary: Enter the process description (maximum of 210 characters).
- Display the answer options after releasing the odorants.: Tap the (On/Off) switch to set. If turned on, the choices are displayed, and if turned off, it moves to the next question.
- The User ID must be entered before running the process.: This option can be set if [Display the answer options after releasing the odorants.] is turned on. When the box is checked, ID entry is required before process execution, and the process result log can be verified after answering.
- **Display the number of correct answers.:** This option can be set if [Display the answer options after releasing the odorants.] is turned on. When the box is checked, the number of correct answers is displayed.
- Tap [Next].



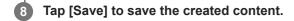
 \bullet Tap [+ Add a question].

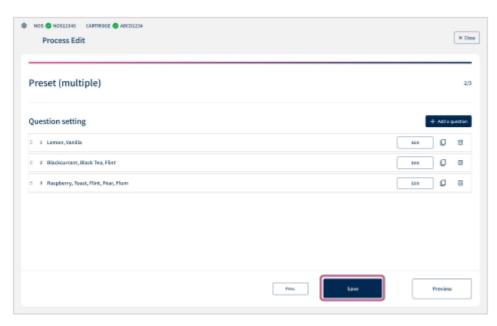


Configure the process question settings.



- Guidance text: Enter the operational guidance and other text (maximum of 120 characters).
- Odorant release (*Required): Tap [+ Add] to add one odorant at a time. Tap (Delete) when you wish to delete an added odorant. Set two or more candidates (maximum of 5 can be set).
- Question text: Enter the question text (maximum of 75 characters).





To change the order of the added questions or duplicate/delete questions

Long press and then drag and drop \blacksquare (Change list order) on the left end of the [Question Setting] list to change the order of the questions.

Tap ☐ (Duplicate) or ☐ (Delete) on the right end of the [Question Setting] list to duplicate or delete questions.

To stop the configuration in the middle

Tap [X Close] in the upper right part of the screen.

Please note that the created settings are not saved.

To check the operation of the created process

Tap [Preview] on the last page of the settings screen.

You can use the preview function to check the process operation and the screen transition. After checking the operation, tap the [\leftarrow] (Return) button in the upper left part of the screen to return to the settings screen and tap [Save] if there are no problems with the settings.

Odorants are not released in the preview function.

Related Topic

Dummy Odorant Settings

Help Guide

Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Releasing a process

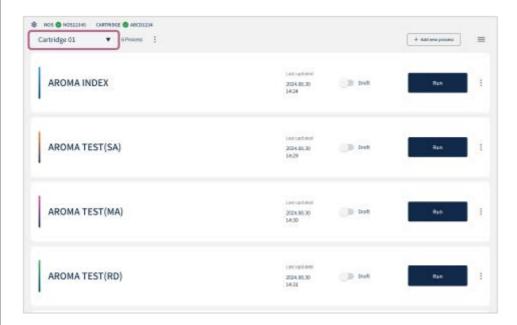
To execute a process in User Mode, the process must be released by the Administrator. In Administrator Mode, all processes with a status of [Released] and [Draft] can be executed.

Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.



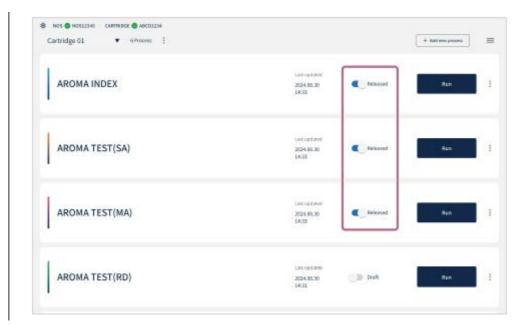
2 Select a cartridge from the Cartridge Selection menu in the upper left part of the Home screen.

The processes created with the selected cartridge are displayed.



Tap (Released/Draft) to set the process that you wish to release to [Released].

Processes set to [Released] are displayed in User Mode.



Related Topic

Switching between Administrator Mode/User Mode

Help Guide

Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Setting the nose guide on the unit



Prepare a new nose guide and set it on the nose guide installation area.

Hold the nose guide so as not to touch the area around the hole and set it on the unit. Be sure to use a new nose guide for each user.



Note

- Be sure to set the nose guide so that the nose or skin does not come into contact with the nose guide installation area or the surface of the unit. The nose guide must be set on the unit for proper use.
- Clean the surface of the unit after use.

Related Topic

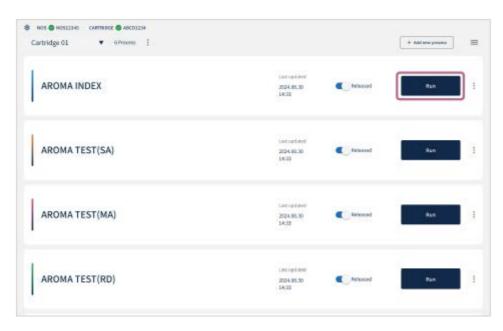
Maintenance

Help Guide

Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Executing a process

1 Choose the process to execute and tap [Run].



Tap [Run] on the start screen of the selected process.

If the User ID selection is displayed, select the User ID. Set the User ID in advance. For details, see "User ID Settings."



Follow the on-screen instructions to execute the process.

Note

If the process that you wish to execute is not displayed, the created process may be set to [Draft]. Check with the administrator who created the process.

Related Topic

- Creating a [Random] process
- Creating a [Preset (single)] process
- Creating a [Preset (multiple)] process
- User ID Settings

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Next-Gen Olfactometry System for custom cartridges NOS-DX1000

When the process execution is completed

Before the next use, replace the nose guide and clean the unit in consideration of hygiene. For the cleaning method, see "Maintenance."

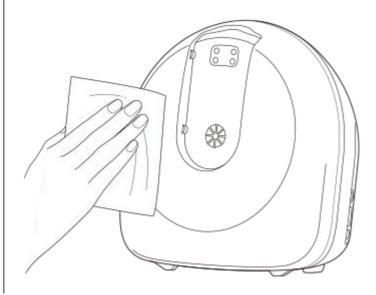
Remove and dispose of the used nose guide.

Discard the used nose guide according to the ordinances, etc. of the region or municipality where you live.



Clean the unit.

Wipe the surface of the unit clean with dehydrated ethanol (contains only purified water). If necessary, remove the front cover and clean the cartridge cover in a similar manner.



If you will not be using the product for a while

Attach the odorant release port cover if you will not be using the product for a while.



Related Topic

Maintenance

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Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Switching between Administrator Mode/User Mode

There are two modes: Administrator Mode and User Mode.

In Administrator Mode, you can perform all operations such as cartridge setting, process creation, execution, etc. The only operation that can be performed in User Mode is process execution.



Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to change between Administrator Mode and User Mode.

Differences in authorization in Administrator Mode and User Mode

	Administrator Mode	User Mode
Cartridge Settings	0	_
Dummy Odorant Settings	0	_
User ID Settings	0	_
Result Log	0	_
Basic Settings	0	_
Basic Information	0	_
Process execution	0	0

Related Topic

- "Scent Canvas" App Home screen
- Cartridge Settings
- Dummy Odorant Settings
- User ID Settings
- Result Log
- Basic Settings
- Basic Information

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Next-Gen Olfactometry System for custom cartridges NOS-DX1000

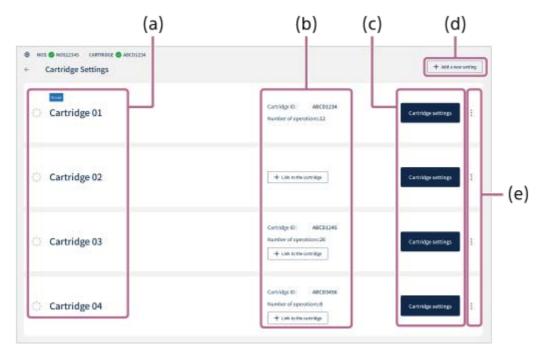
Cartridge Settings

You can register, add, and edit cartridges.

Configure the cartridge settings in Administrator Mode.

The registered cartridges are displayed.

3 Add a cartridge registration or edit a cartridge on the [Cartridge Settings] screen.



- (a) Cartridge name: Cartridge names are displayed. The cartridge that is currently linked to the unit is displayed as [In use].
- **(b) Cartridge information:** [Cartridge ID:] and [Number of operations:] (counted each time a process is executed) can be confirmed. To change the cartridge that is linked to the unit, replace the cartridge and tap [+ Link to the cartridge].
- (c) Cartridge settings: Edit the cartridge registration details.
- (d) + Add a new setting: Tap when adding a registration for a new cartridge.
- (e) : (Menu): Duplicate or delete cartridge settings.

To newly register a cartridge

You can additionally purchase custom cartridges and use multiple custom cartridges for different purposes (maximum of 20).

When newly registering a cartridge, tap [+ Add a new setting] in the upper right part of the [Cartridge Settings] screen and register the odorant information (refer to "Preparation Step 2: Configuring the initial settings with the "Scent Canvas" app").

To copy and use the same cartridge setting on another tablet

If you want to copy and use the same cartridge setting on another tablet, migrate the data to the tablet as follows.

- **Export operation:** While displaying the cartridge setting you want to copy, tap [Output CSV]. The CSV file will be saved in the "olfactory_info_yyyymmddhhmmss" folder. If images are registered in the cartridge setting, the image data will also be saved in the "pictures" folder.
 - Copy the entire "olfactory_info_yyyymmddhhmmss" folder to the tablet to which you want to migrate the data.
- **Import operation:** On the tablet to which you want to migrate the data, tap [Import CSV] on the [Cartridge Settings] screen. Then, select and import the CSV file in the "olfactory_info_yyyymmddhhmmss" folder that you have copied. If there are images in the folder, they will be imported simultaneously.

Related Topic

Preparation Step 2: Configuring the initial settings with the "Scent Canvas" app

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Dummy Odorant Settings

When you wish to display an odorant that is not configured in the cartridge settings as an answer choice in each process question, you can set it as a dummy odorant.

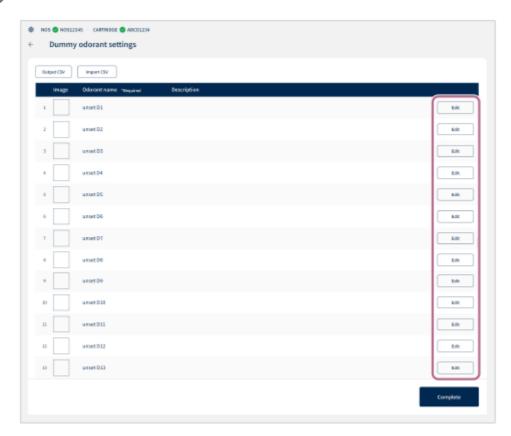
Configure the dummy odorant settings in Administrator Mode.

- Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.
- Tap [

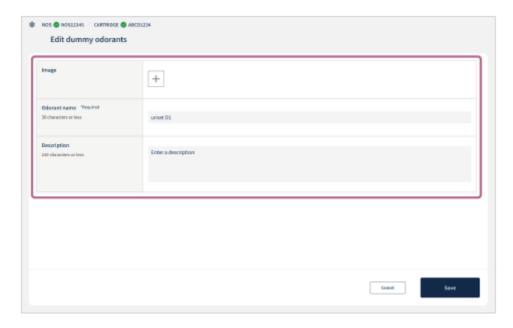
 R

 Dummy Odorant Settings] under

 (Settings) in the upper right part of the Home screen.
- Tap [Edit] for any number.



4 Enter the odorant information (odorant name, etc.).

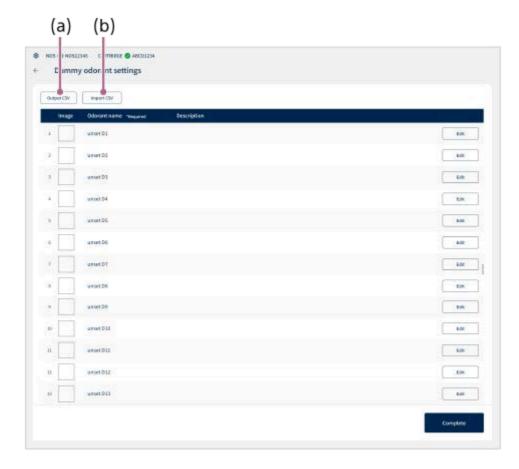


- Image: Tap and choose any image saved on the tablet to set it as the thumbnail image.
- Odorant name (*Required): Register the dummy odorant name (maximum of 24 characters).
- Description: Enter the description (maximum of 210 characters).
- Tap [Save].
- 6 Repeat steps 3 through 5.
- Tap [Complete] on the [Dummy Odorant Settings] screen.

Batch registering the dummy odorant information

Tap [Output CSV] (a) to output the CSV file and edit it on a computer.

When the editing is finished, save the CSV file to the tablet, tap [Import CSV] (b), and select the CSV file to load. Follow the on-screen instructions and tap [Save] to batch register the dummy odorant information.



Perform the operation above when editing registered dummy odorant information.

To copy and use the same [Dummy Odorant Settings] on another tablet

If you want to copy and use the same [Dummy Odorant Settings] on another tablet, migrate the data to the tablet as follows.

- Export operation: While displaying the [Dummy Odorant Settings] you want to copy, tap [Output CSV]. The CSV file will be saved in the "dummy_info_yyyymmddhhmmss" folder. If images are registered in the [Dummy Odorant Settings], the image data will also be saved in the "pictures" folder.

 Copy the entire "dummy info yyyymmddhhmmss" folder to the tablet to which you want to migrate the data.
- Import operation: On the tablet to which you want to migrate the data, tap [Import CSV] on the [Dummy Odorant Settings] screen. Then, select and import the CSV file in the "dummy_info_yyyymmddhhmmss" folder that you have copied. If there are images in the folder, they will be imported simultaneously.

Note

- According to the CSV (Comma Separated Values) specifications, the comma (",") character cannot be used. If a comma (",") is entered, the "Scent Canvas" app will not correctly load the CSV file.
- If the information is overwritten during registration, the previously registered information is erased.

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Next-Gen Olfactometry System for custom cartridges NOS-DX1000

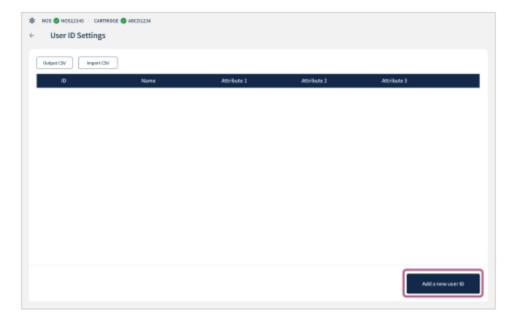
User ID Settings

Register a user.

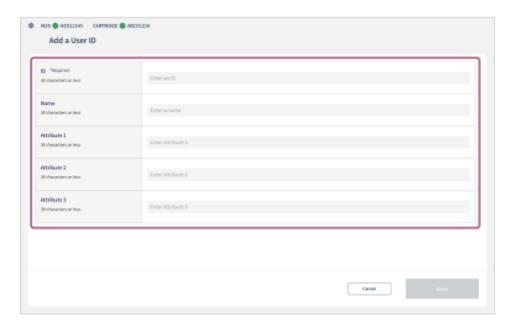
Configure the user ID settings in Administrator Mode.

- Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.
- 3 Tap [Add a new user ID] in the lower right part of the [User ID Settings] screen.

You can use a CSV-formatted file to batch register the user information. For details, see "Batch registering user information" below.



4 Enter the ID, name, etc.



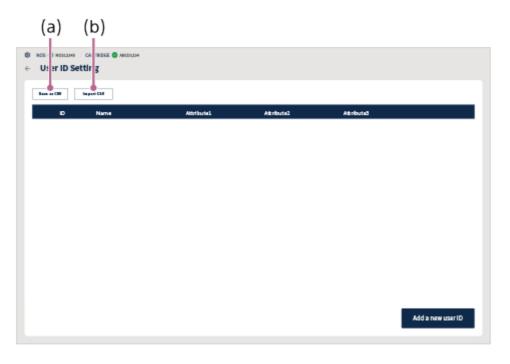
- ID (*Required): Set an ID for the user to be registered (maximum of 30 characters).
- Name: Register the user's name (maximum of 30 characters).
- Attribute 1/Attribute 2/Attribute 3: Enter up to any three pieces of attribute information (maximum of 30 characters for each).
- 5 Tap [Save].
- 6 Repeat steps 3 through 5.

Batch registering user information

Tap [Output CSV] (a) to output the CSV file and edit it on a computer.

- userId (ID): Entry is required.
- userName (name): Entry is optional.
- userAttribute (attribute): Entry is optional.

When the editing is finished, save the CSV file to the tablet, tap [Import CSV] (b), and select the CSV file to load. Follow the on-screen instructions and tap [Save] to batch register the user information.



Perform the operation above when editing registered user information.

To copy and use the same [User ID Settings] on another tablet

If you want to copy and use the same [User ID Settings] on another tablet, migrate the data to the tablet as follows.

- Export operation: While displaying the [User ID Settings] you want to copy, tap [Output CSV]. The CSV file "ID_registered_list_yyyymmddhhmmss.csv" will be saved in the directory under the "Download" folder. Copy this CSV file to the tablet to which you want to migrate the data.
- Import operation: On the tablet to which you want to migrate the data, tap [Import CSV] on the [User ID Settings] screen. Then, select and import the CSV file that you have copied.

Note

- According to the CSV (Comma Separated Values) specifications, the comma (",") character cannot be used. If a comma (",") is entered, the "Scent Canvas" app will not correctly load the CSV file.
- If the information is overwritten during registration, the previously registered information is erased.

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Result Log

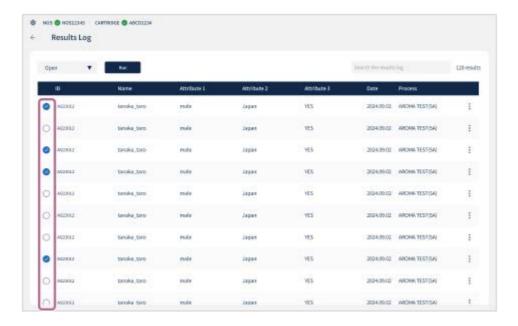
Check the process execution results.

Perform the result log operation in Administrator Mode.

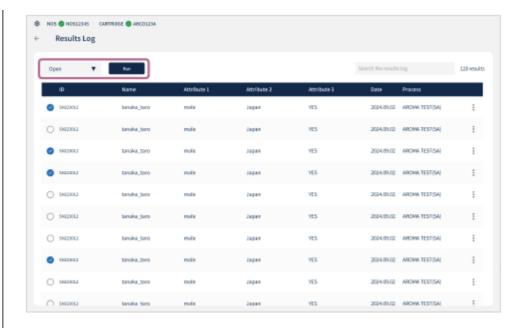
- Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.
- 2 Tap [■ Result Log] under ≡ (Settings) in the upper right part of the Home screen.

The saved data is displayed in a list.

 \bigcirc Tap the \bigcirc (Select button) to the left of the data to check (up to five logs can be selected).



4 Choose [Open] from the dropdown menu in the upper left part of the screen and tap [Run].



- 6 Check the result log.
- \bullet When the check is finished, tap \times in the upper right part of the screen.

To filter the result logs with search keywords

Enter a user ID as a keyword in the search field in the upper right part of the screen to filter the result logs to the target data.

To delete data from the result logs

Tap the \bigcirc (Select button) to the left of the data that you wish to delete and choose [Delete] from the dropdown menu in the upper left part of the screen, and tap [Run]. You can also choose [Delete] from the : (Menu) to the right of the data to delete the entry.

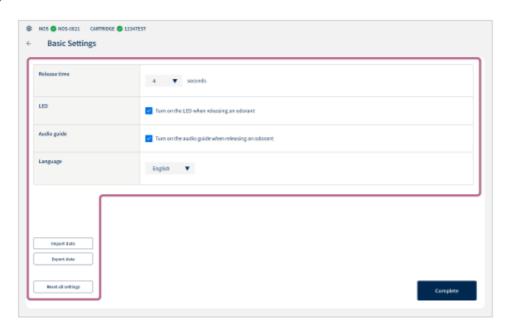
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Basic Settings

Configure the settings involved in odorant release during process execution. Configure the basic settings in Administrator Mode.

- Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.
- 2 Tap [⊕ Basic Settings] under ≡ (Settings) in the upper right part of the Home screen.
- 3 Set each item.



- Release time: Set the duration of the release time of the odorant (1 to 10 seconds).
- LED: Check the box to set whether to indicate the odorant release timing with LED blinking.
- Audio guide: Check the box to set whether to play the voice guidance during process execution.
- Language: Select the language to be used.
- Import data: Batch import process data and various settings.
- Export data: Batch export process data and various settings.
- Reset all settings: Tap to return the settings to the values at the time of purchase.
- 4 Tap [Complete].

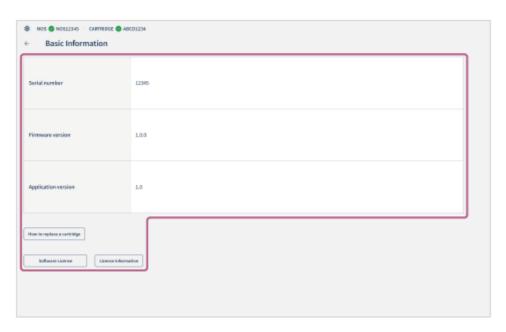
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Basic Information

Check the unit serial number, firmware version, the "Scent Canvas" app version, etc. Perform basic information operations in Administrator Mode.

- Tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.
- 3 Check each item.



- Serial number: The serial number of the unit can be confirmed.
- Firmware version: The firmware version of the unit can be confirmed.
- Application version: The version of the "Scent Canvas" app can be confirmed.
- How to replace a cartridge: Tap to check the cartridge replacement procedure through illustrations.
- Software License: Tap to check information regarding the software license.
- License Information: Tap to check information regarding the software license.
- Tap [←] (Return) in the upper left part of the screen.

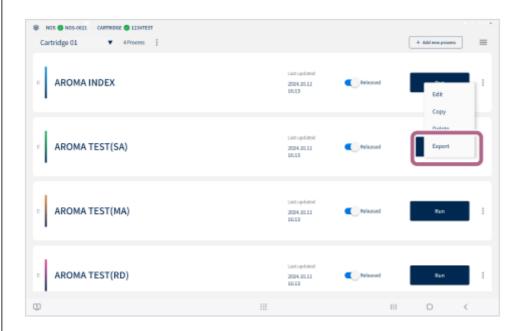
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Migrating process data to another tablet

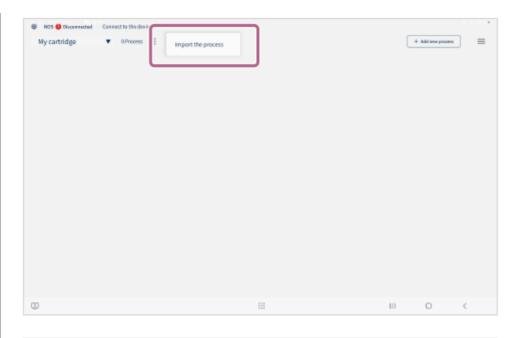
- On the tablet that has the process data you want to copy, tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.
- Select a cartridge from the Cartridge Selection menu in the upper left part of the Home screen.
- 3 Tap : (Menu) to the right of the process you want to migrate, and then tap [Export].

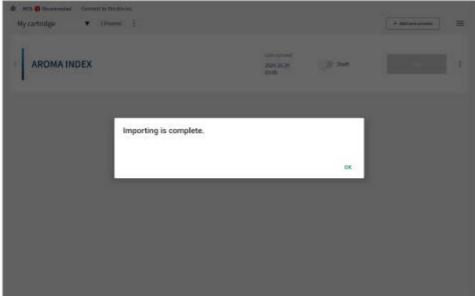
[The JSON was saved for the process.] will be displayed, and the JSON file will be saved to the "Download" folder.



- 4 Connect the tablet to a computer, copy the JSON file saved in step 3 to any location on the computer, and then disconnect the tablet from the computer.
- 5 Connect the tablet to which you want to import the process data to the computer and copy the JSON file that you saved on the computer in step 4 to the tablet.
- 6 On the tablet to which you have copied the JSON file, launch the "Scent Canvas" app, and then tap ≡ (Settings) in the upper right part of the Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.
- Select the cartridge for which you want to import process data from the Cartridge Selection menu in the upper left part of the Home screen.
- 8 Tap : (Menu) in the upper part of the screen, and then tap [Import the process] to select the JSON file that you copied in step 5.

When [Importing is complete.] is displayed, the process migration is complete.





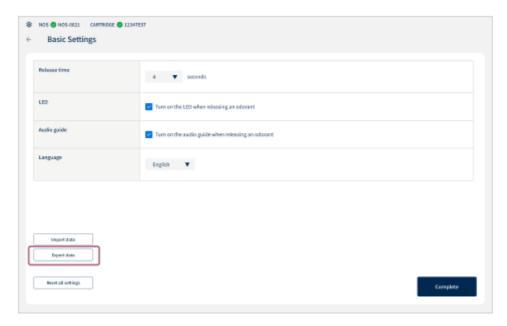
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Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Migrating process data and various settings to another tablet in a batch operation

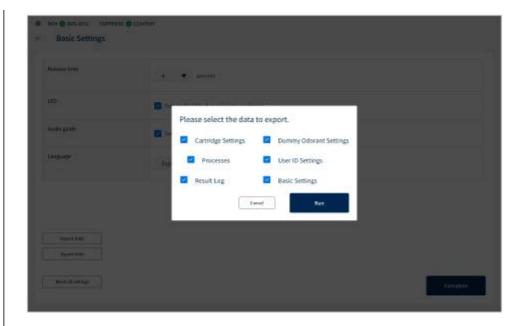
- On the tablet that has the process data you want to copy, tap ≡ (Settings) in the upper right part of the "Scent Canvas" app Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.
- 3 Tap [Export data].



Tap to select the items you want to export, and then tap [Run].

[Exporting is complete.] will be displayed, and the JSON file will be saved to the following folder. If images are registered, the image data will also be saved in the "pictures" folder.

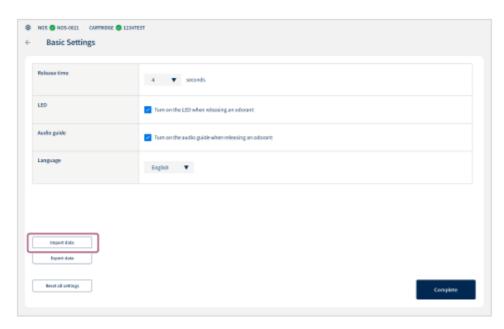
Download/NOS Custom/export/custom info yyyymmddhhmmss



- Connect the tablet to a computer, copy the entire "custom_info_yyyymmddhhmmss" folder saved in step 4 to any location on the computer, and then disconnect the tablet from the computer.
- 6 Connect the tablet to which you want to import the data to the computer and copy the entire "custom_info_yyyymmddhhmmss" folder that you saved on the computer in step 5 to the tablet.
- On the tablet to which you copied the JSON file, launch the "Scent Canvas" app, and then tap = (Settings) in the upper right part of the Home screen followed by the [Admin Mode] (On/Off) switch to turn Administrator Mode on.
- Tap [

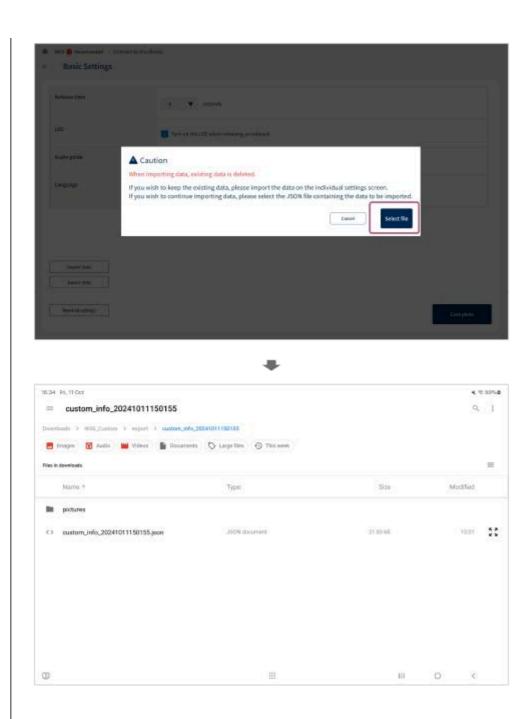
 Basic Settings] under

 (Settings) in the upper right part of the Home screen.
- 9 Tap [Import data].

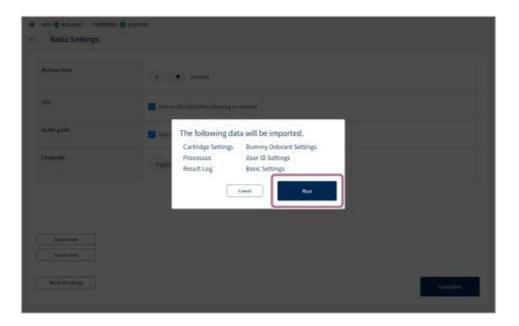


Confirm the caution message on the screen, and tap [Select file] to select the JSON file in the "custom_info_yyyymmddhhmmss" folder that you copied in step 6.

If there are images in the folder, they will be imported simultaneously.



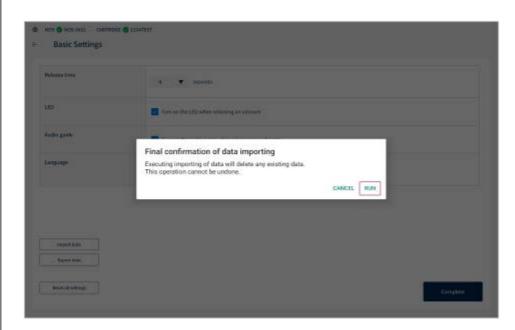
Confirm the items to be imported on the confirmation screen and tap [Run].





Confirm the caution message on the final confirmation screen, and then tap [Run].

When [Importing is complete.] is displayed, migration of the data is complete.



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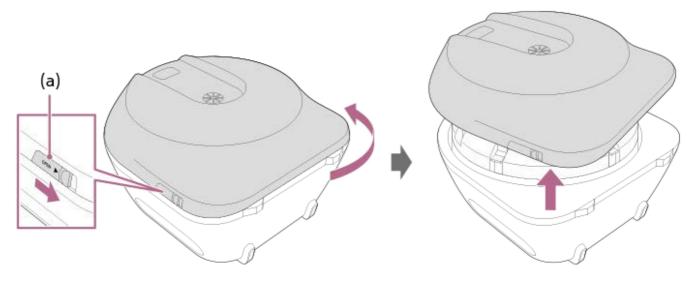
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Replacing the cartridge

Multiple cartridges can be used for different purposes. When replacing a cartridge with a different one or if a cartridge reaches the maximum number of uses, replace the cartridge according to the following procedure.

1 Lay the unit down and remove the front cover.

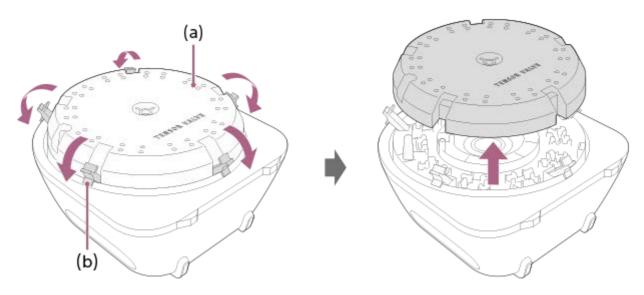
Slide the front cover OPEN lever, turn the front cover slightly in the counterclockwise direction, and remove the front cover.



(a) Front cover OPEN lever

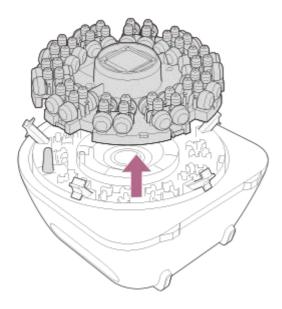
2 Remove the cartridge cover.

Open the 5 buckles fastening the cartridge cover to remove it.



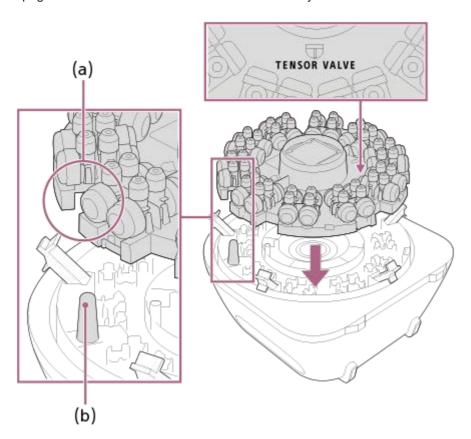
- (a) Cartridge cover
- (b) Buckle

Remove the cartridge.



Install the new cartridge.

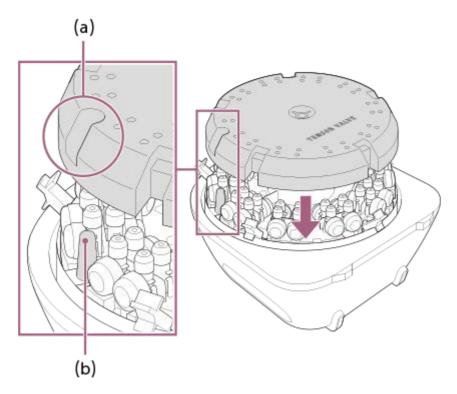
Align the cartridge notch with the protrusion and install the cartridge so that the "TENSOR VALVE" logo appears upright when the underside of the unit is in front of you.



- (a) Notch
- (b) Protrusion

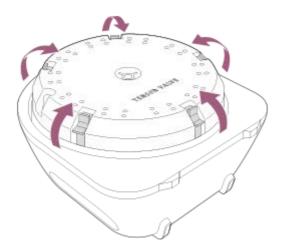
5 Attach the cartridge cover.

With the "TENSOR VALVE" logo appearing upright when the underside of the unit is in front of you, attach the cartridge cover so that the protrusion passes through the opening and fasten the 5 buckles.



- (a) Opening
- (b) Protrusion

Firmly close the buckles. If the front cover is attached without firmly closing the buckles, the cartridge cover may be damaged.



6 Attach the front cover.

Turn the front cover clockwise until it clicks to attach it.



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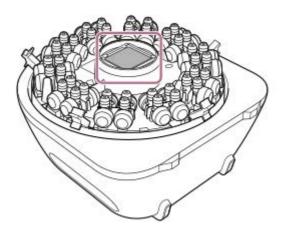
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Replacing the deodorization filter

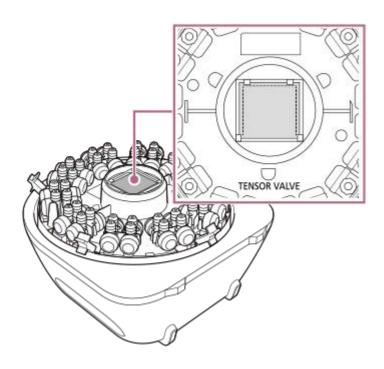
If the deodorization performance appears to have deteriorated, replace the cartridge deodorization filter. Use the replacement deodorization filter (1) included with the cartridge (sold separately).

- Remove the front cover of the unit and the cartridge cover (refer to Steps 1 and 2 in "Replacing the cartridge").
- 2 Remove the deodorization filter in use.



3 Attach the new deodorization filter.

Set the side of the deodorization filter that is not welded so that it faces the "TENSOR VALVE" logo and firmly insert it into the clips in four locations.



Related Topic

Replacing the cartridge

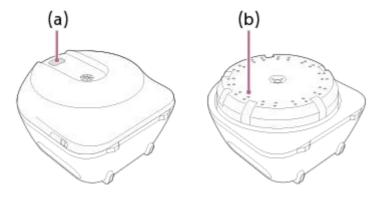
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Maintenance

- Carefully wipe away any dirt or moisture on the unit before placing it in storage. If the unit is very dirty, wipe it clean with dehydrated ethanol.
- If you detect other odorants, clean the front cover odorant release port and the cartridge cover odorant outlet (both the front and back sides) with a cotton swab moistened with dehydrated ethanol. If you are concerned about the odorant, repeatedly clean these areas with dehydrated ethanol several times.

Depending on the odorants used, take appropriate measures such as wearing protective gloves, etc.



- (a) Odorant release port
- (b) Odorant outlet (40 locations)

Related Topic

- Replacing the cartridge
- When the process execution is completed
- Disposal

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Troubleshooting

If the unit or the "Scent Canvas" app stops working, follow the procedure below.

Save the data recorded by the "Scent Canvas" app.

Exit the process with the "Scent Canvas" app.

2 Turn the power to the unit off and on.

Press the power switch on the right side of the unit to turn off the power and then turn it on again.

- Relaunch the "Scent Canvas" app.
 - 1. Press and hold the "Scent Canvas" app icon on the tablet Home screen and tap [(i)] (Information) [Force stop] [OK]. (Depending on your tablet, the steps may be: press and hold the "Scent Canvas" app icon, and select [App Info] [FORCE STOP] [OK].)
 - 2. Return to the Home screen and launch the "Scent Canvas" app.
- 4 If it still does not operate correctly, please check the following support website.

https://www.sony.net/nos-support-global/

f the problem is still not resolved, please contact the dealer where the unit was purchased.

Related Topic

- Preparation Step 2: Configuring the initial settings with the "Scent Canvas" app
- Preparation Step 8: Turning on the power to the unit

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If you encounter problems

If a problem occurs while using this product, check the following items once more before consulting with the dealer where the unit was purchased. Please provide the following information when contacting your dealer.

- Unit model name
- Cartridge ID
- Defect status (as much detail as possible)
- Date of purchase

The power indicator on the right side of the unit is blinking.

Check that the front cover and cartridge are correctly set.

The power indicator and the Bluetooth indicator on the right side of the unit are alternately blinking at high speed.

A hardware error is occurring inside the unit.

Press the power switch one time to turn off the power and then turn it on once again. If the problem still persists, please contact the dealer where the unit was purchased.

The Bluetooth indicator on the right side of the unit is blinking.

It is pairing with the dedicated tablet. Please wait until the indicator lights up.

Related Topic

- Preparation Step 7: Setting the cartridge into the unit
- Replacing the cartridge

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Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Precautions

Use of this product

- Avoid using this product in a location with strong odors.
- If the released odorants remain inside the room, ventilate the room.
- Be sure to use authorized products for custom cartridges, sub-cartridges, cartridge clampers, nose guides, and odorant release port covers, which are sold separately.
- Do not use any adapters other than the supplied AC adapter.
- Do not block the exhaust port on the rear of the unit. If the exhaust port is blocked, it will become unable to deodorize
 the unit and may stop working correctly.



Handling of personal information

- Personal information, answer results, and other data recorded by the "Scent Canvas" app are stored on the dedicated tablet. Please handle such data with sufficient care.
- The personal information, answer results, and other data recorded by the "Scent Canvas" app are not encrypted.
 Please beware of data leakage via the USB port of the dedicated tablet or unauthorized access by third parties over the Internet.

Heat generation

The dedicated tablet may heat up during operation. Wait until the temperature decreases before using the tablet.

Handling custom cartridges (sold separately) and sub-cartridge sets (sold separately)

- When injecting odorant into a sub-cartridge, perform the work by following the procedures listed in the Help Guide or the Startup Guide.
- Up to 0.66 mL of odorant can be injected. If more than 0.66 mL is injected, the odorant may leak and cause the unit to smell or malfunction.
- In the event that the odorant leaks, wear protective gloves and wipe it off appropriately with a cloth, etc. according to the odorant.
- A sub-cartridge can only be used once. Do not reuse a sub-cartridge that was injected with an odorant one time.
- Do not subject the cartridges or sub-cartridges to strong impact such as dropping them on the floor. Doing so may cause them to malfunction.

Storage

- To prevent contamination and deterioration, do not store the unit or nose guides, odorant release port covers, custom cartridges, sub-cartridges, or cartridge clampers, which are separately purchased accessories, in locations with high temperatures, direct sunlight, high humidity, strong odors, etc.
- Store cartridges equipped with sub-cartridges that have injected odorants under conditions that are suitable for the odorants used.

Notes on using wireless LAN

Please note that Sony cannot make any guarantees regarding malfunction, failure, or damage to the dedicated tablet caused by connecting to the Internet, except when instructed by the manufacturer or dealer.

Related Topic

- Guide to parts and controls
- Maintenance

Help Guide

Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Disposal

Disposal of the unit, nose guide, odorant release port cover, and cartridge clamper

Discard these items according to the ordinances, etc. of the region or municipality where you live.

Disposal of the cartridge and sub-cartridges

Discard these items according to the ordinances, etc. of the region or municipality where you live. If you have any problems concerning disposal, please contact the dealer where the unit was purchased.

Disposal of the dedicated tablet

Follow the method listed in the tablet's Operating Instructions to dispose of the dedicated tablet.

Help Guide

Next-Gen Olfactometry System for custom cartridges NOS-DX1000

Specifications

Main unit

Model No.

NOS-DX1000

Maximum external dimensions (W × H × D)

Approx. 37.4 cm × 37.8 cm × 25.3 cm

Mass

Approx. 5.2 kg

Power source (main unit)

DC 12 V (using the supplied AC adapter)

Power consumption (maximum)

Approx. 6.0 W

Eco and energy saving

Power consumption (Off mode): 0.3 W

Power consumption (Standby mode/Low power mode): Not available Power consumption (Networked standby mode): 2.0 W (Bluetooth) Networked standby mode activated: Within 20 minutes (default)

Recommended environment

Ambient temperature: 20°C to 25°C Ambient humidity: 40% to 70%

Odorant source

Cartridge system: a maximum of 40 types of odorants can be loaded into one cartridge

Odorant switchover time

Approx. 3 seconds

Odorant release time

1 to 10 seconds

Odorant release method

Gaseous diffusion method (non-heated, dry air method)

Operating method

Operate from the "Scent Canvas" app on the supplied dedicated tablet

Communication method

Bluetooth Ver. 5.0 (Bluetooth Low Energy)

Dedicated tablet

Please see the Operating Instructions for the tablet.

- Please note that the specifications and external appearance may be subject to change without notice for improvement.
- The actual values of specifications may deviate from the estimated ones depending on the actual environment and method of use.

Help Guide

Next-Gen Olfactometry System for custom cartridges NOS-DX1000

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