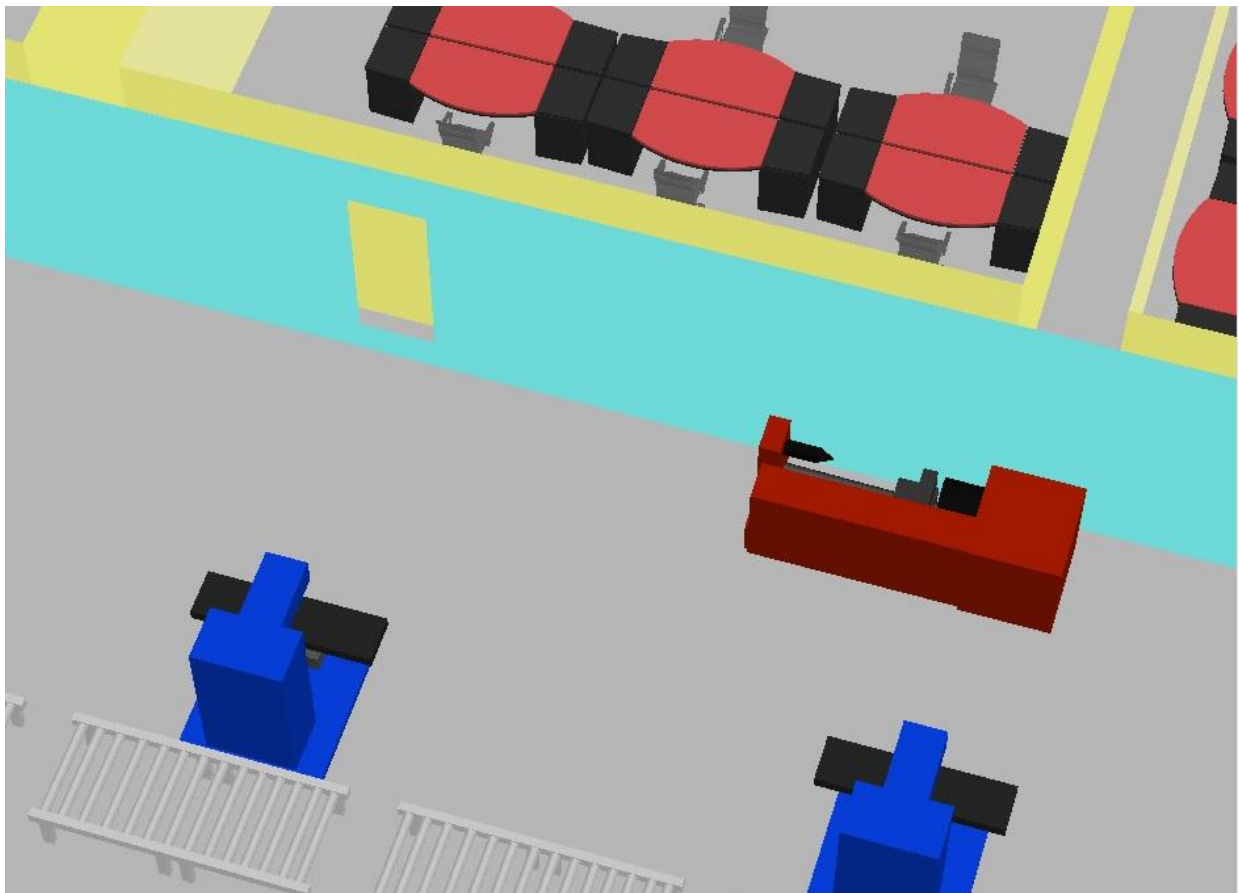


Configurator

User's Guide



Realinite Co., Ltd

June 19, 2017

Contents

1	Installation	3
2	Starting / Terminating System	5
2.1	From Start Page	5
2.2	Start from Desktop	7
2.3	System Termination	7
3	Device Configurator	9
3.1	Introduction	9
3.2	Page Modification	9
3.3	Device Modification	13
3.4	In-Wall Device	18
3.5	Device Info Import	19
3.6	Save Modification	22
4	3D File Integration	25
4.1	Introduction	25
4.2	Technical Basics on 3D File Retrieval	25
4.3	Integrating 3D Files	25
5	Inquiries	29

Chapter 1 - Installation

1 Installation

This software is installed with Web Exporter.

To see the detailed operations, please see the manual for Web Exporter.

Chapter 2 – Starting / Terminating System

2 Starting / Terminating System

2.1 From Start Page

First, let's see what to do on Windows 8.1.

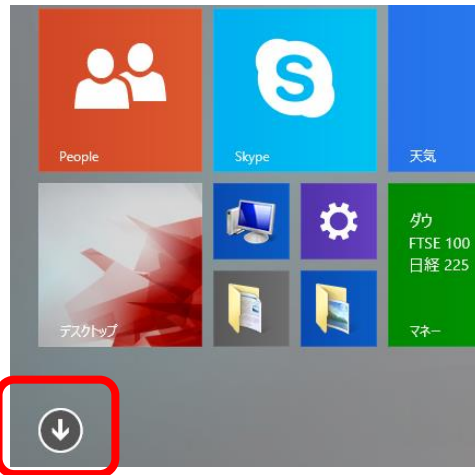
(1) Select Tile on Start Page.

It's at the bottom left of the Desktop.



(2) Select the down arrow at the bottom left of the start page.

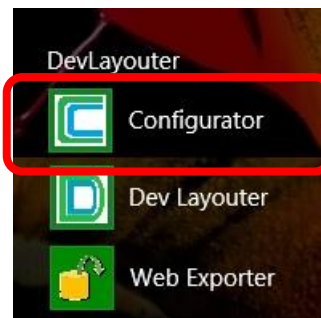
It's at the bottom left of the display.



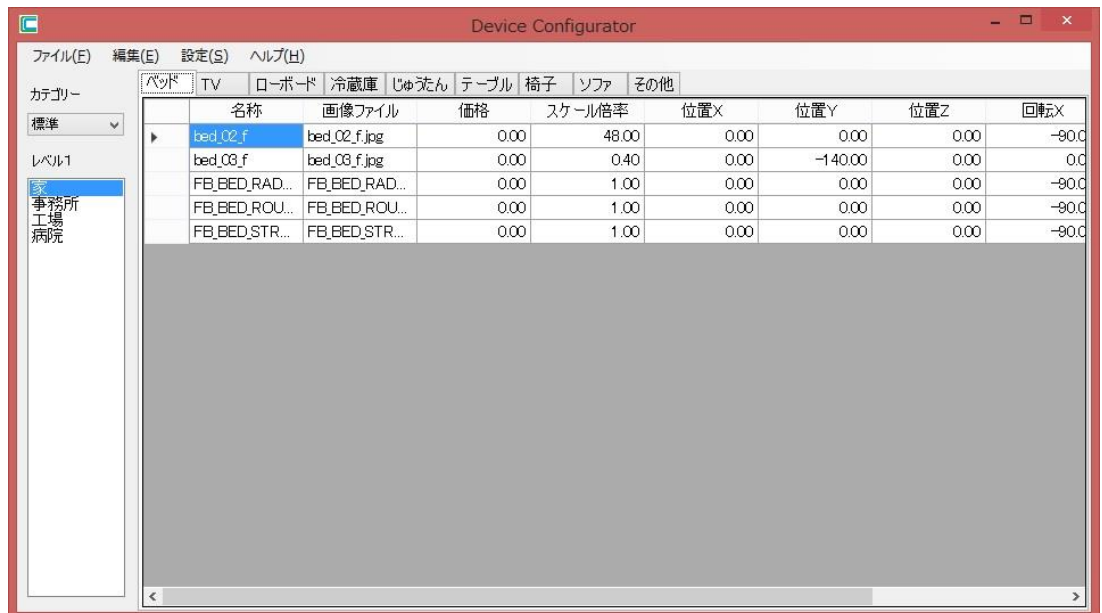
(3) Search [DevLayouter] in the application list.

You can see three shortcuts.

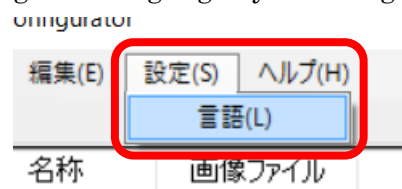
Select <Configurator>.



(4) Configurator starts.



You can change the language by selecting [Setting] – [Language] from the main menu.



In Windows 7, the scenario would be as follows.

(1) Press Start button.

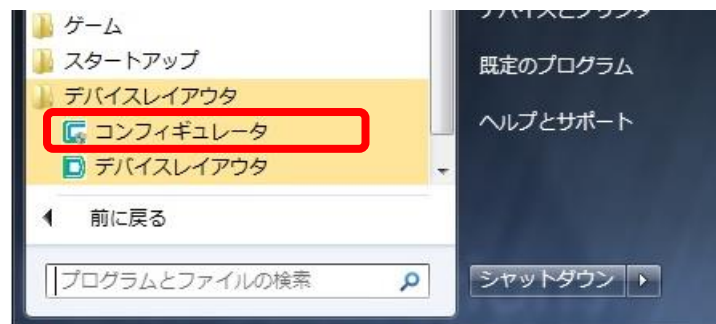
It's at the bottom left of the desktop.



(2) Select [All Programs] – [DevLayouter] を選びます。

You can see two shortcuts.

Select <Configurator>.

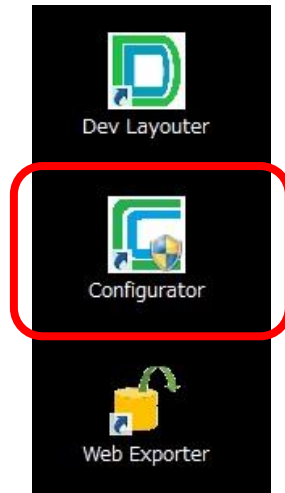


(3) Configurator starts.

2.2 Start from Desktop

When you add shortcuts on the desktop during the installation, you can start the software from the desktop as well.

Double click on [Configurator] shortcut. You can start Configurator.

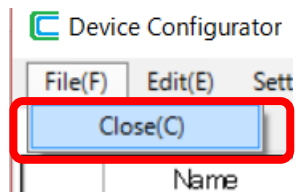


2.3 System Termination

To terminate Configurator, do the following.

(1) Select [File]-[Close] from the main menu.

Configurator will be terminated.



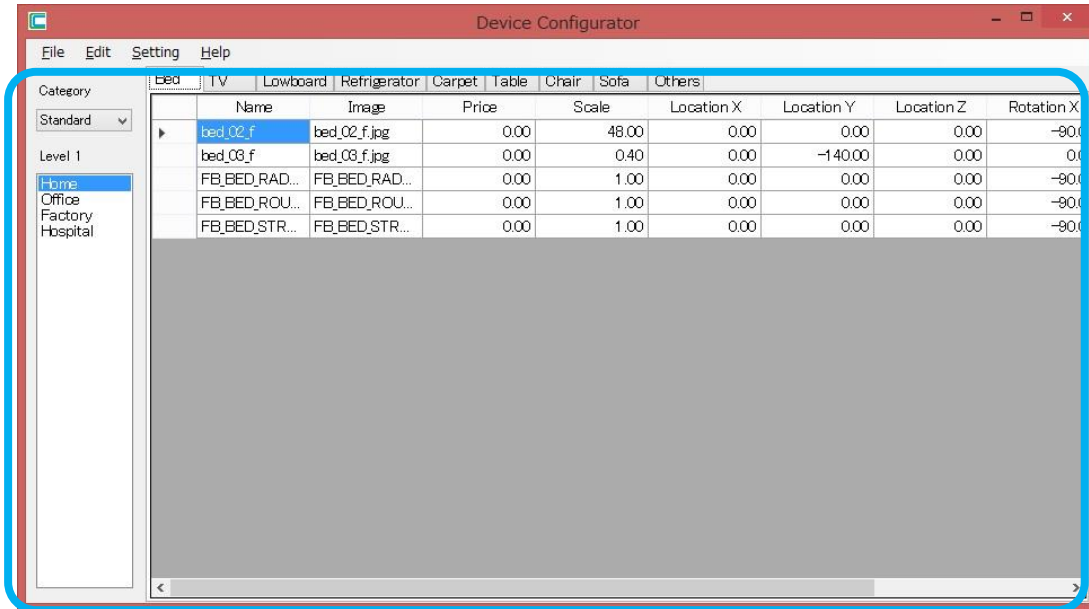
Chapter 3 – Device Configurator

3 Device Configurator

3.1 Introduction

Device Configurator is a software to control the information on the device tab in the device layouter.

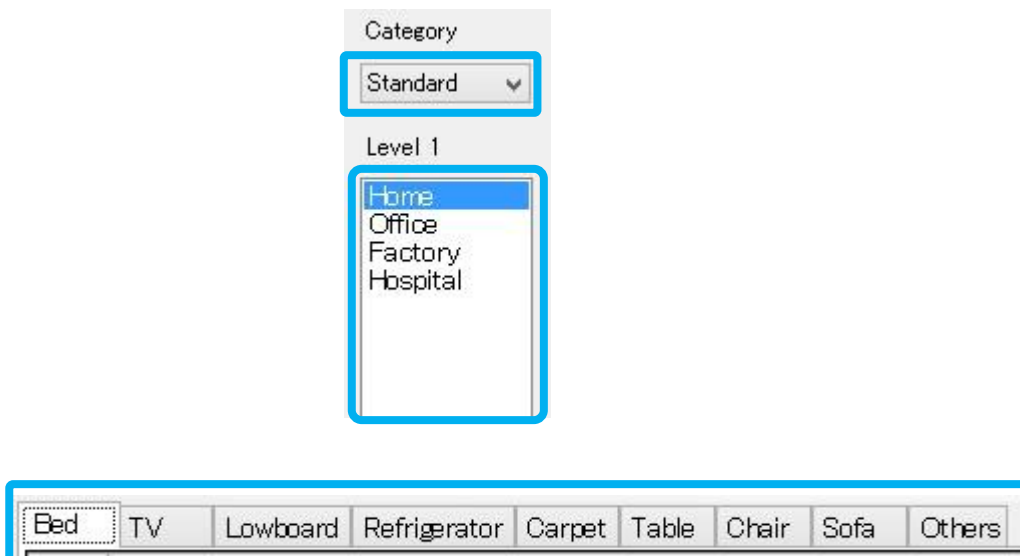
You will see the current settings in the data view, after you start Device Configurator. Any modification will be saved in the setting file, so that you can use Device Layouter with the new setting next time.



3.2 Page Modification

Device Layouter has a tab to change devices. You can manage pages based on the following three hierarchy levels.

- ✓ Category
- ✓ Level 1
- ✓ Level 2



There are two categories, [Standard] and [On Wall]. Standard indicates devices on floors, and OnWall indicates devices placed in room walls(doors, windows, etc.).

You can modify level 1 and 2 items as you want.

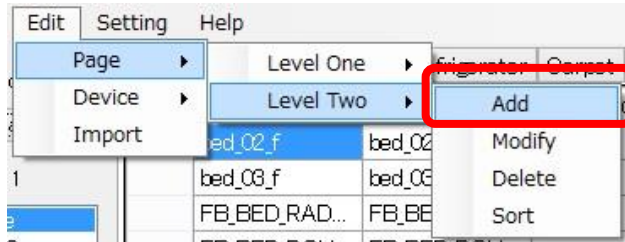
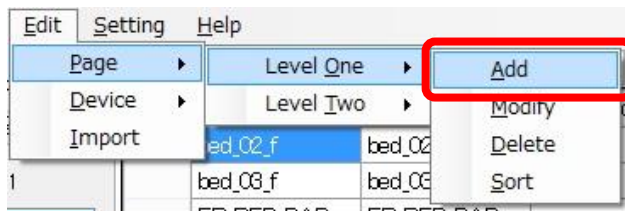
- Change Category

You can select [Standard] or [On Wall] at [Category] combo box.



- Add Page

Select [Edit]-[Page]-[Level One]-[Add] or [Edit]-[Page]-[Level Two]-[Add] from the main menu, according to where you want to modify.



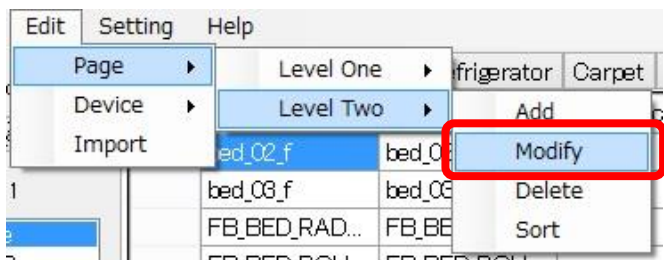
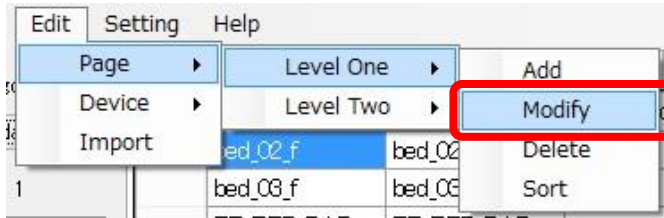
[Page Setting] dialog box opens. [Default] is common name in every language, and [Japanese] is active in Japanese. If you don't need multi language environment, only Default is required.

Specify the page name as you want, and press <OK> button. A new page with the specified name will be added.



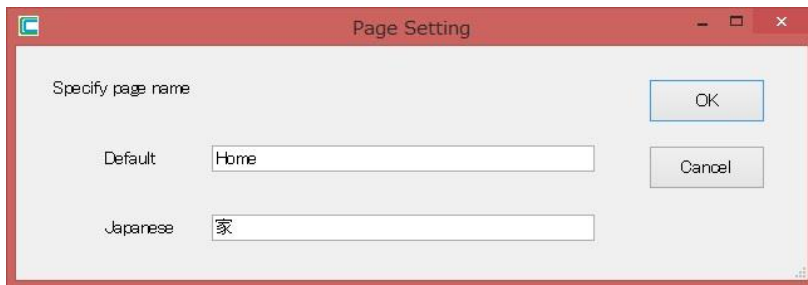
- Change Page Name

Select a page you want to change the name, and select [Edit]-[Page]-[Level One]-[Modify] or [Edit]-[Page]-[Level Two]-[Modify] from the main menu, according to where you want to modify.



[Page Setting] dialog box opens. [Default] is common name in every language, and [Japanese] is active in Japanese. If you don't need multi language environment, only Default is required.

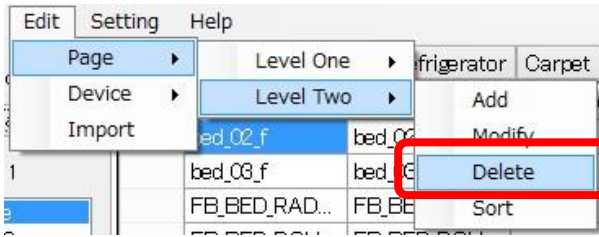
Specify the page name as you want, and press <OK> button. The page name will be changed.



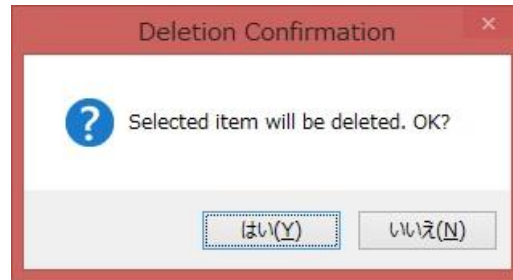
- Delete Page

Select a page you want to delete, and select [Edit]-[Page]-[Level One]-[Delete] or [Edit]-[Page]-[Level Two]-[Delete] from the main menu, according to where you want to modify.



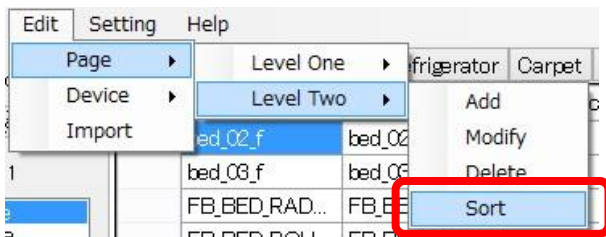
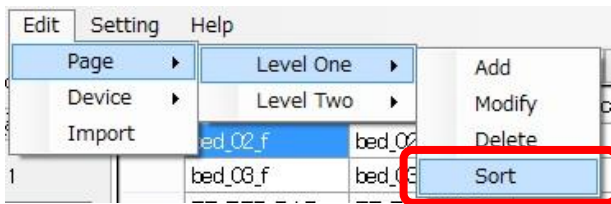


[Confirmation] dialog box opens. If you select <Yes>, the page will be deleted.

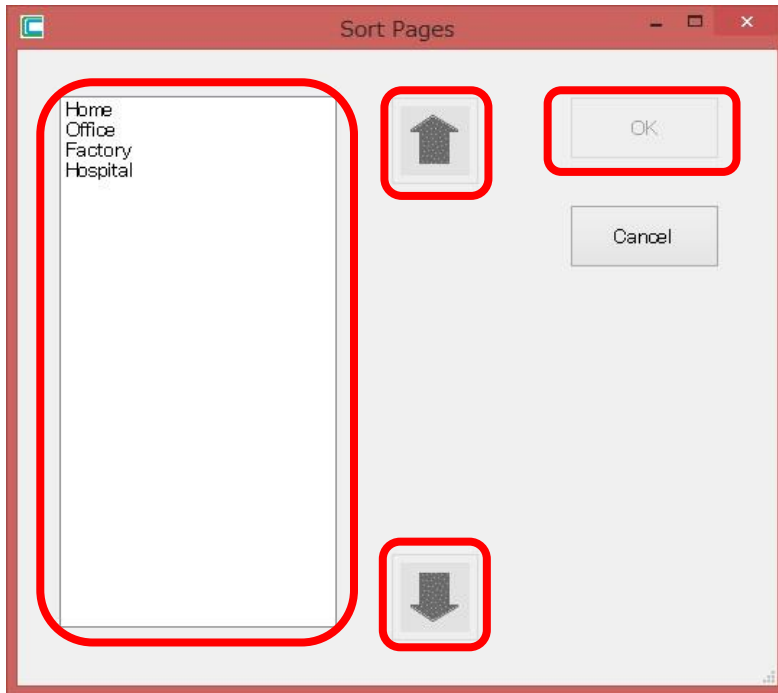


- Sort Pages

Select a level you want to sort pages, and select [Edit]-[Page]-[Level One]-[Sort] or [Edit]-[Page]-[Level Two]-[Sort] from the main menu, according to where you want to modify.



[Sort Pages] dialog box opens.



Select any item and press up or down button to move selected one upper or lower.

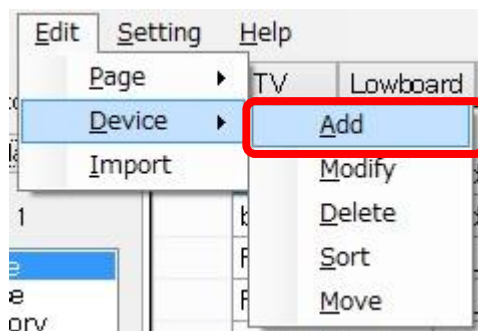
Once you finish your modification, press <OK> button. Your modification will be saved.

3.3 Device Modification

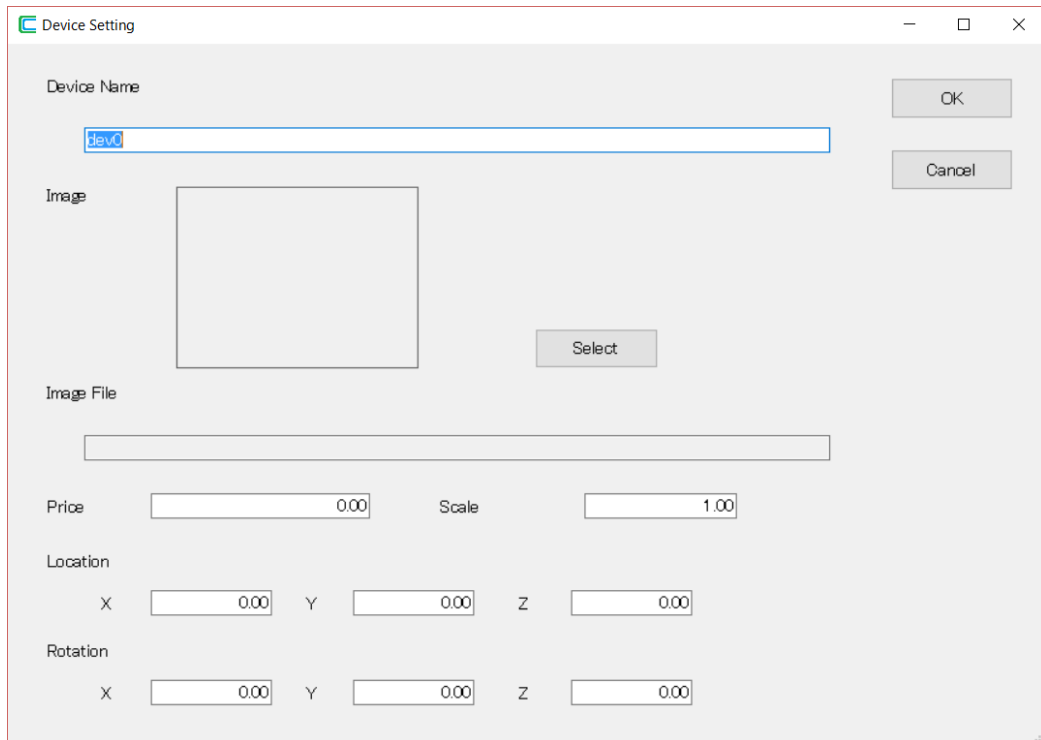
You can add or modify device information available in Device Layouter.

- Add Device

Select [Edit]-[Device]-[Add] from the main menu.



[Device Setting] dialog box opens.

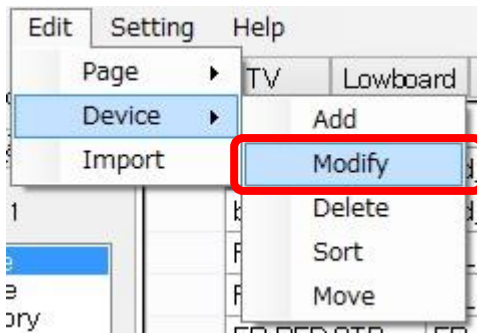


The following settings can be specified.

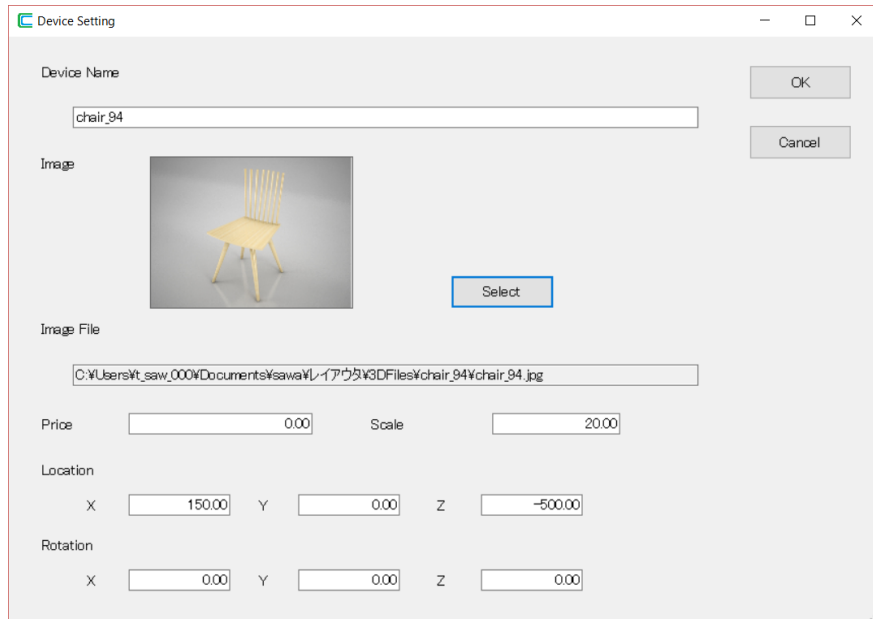
- ✓ Device Name
Specify a device name. Any duplicated name with existing items is not acceptable.
- ✓ Image, Image File
Specify an image for the icon on the client window.
Press <Select> button to select an image file from the file dialog box. JPEG or BMP files can be selected.
When any file is specified, the image and its path string are shown on the dialog box.
- ✓ Price
Specify a price which is used for the price calculation.
- ✓ Scale
Specify a device scale when you add it onto the 3D view.
- ✓ Location
Specify an offset location when you add the device onto the 3D view.
When the device is placed in the air, or under the floor, modify the Y value.
- ✓ Rotation
Specify the initial rotation angle when you add the device onto the 3D view.

- Modify Device

Select a device you want to modify, and select [Edit]-[Device]-[Modify] from the main menu.



[Device Setting] dialog box opens. You can specify any information, such as the device name.

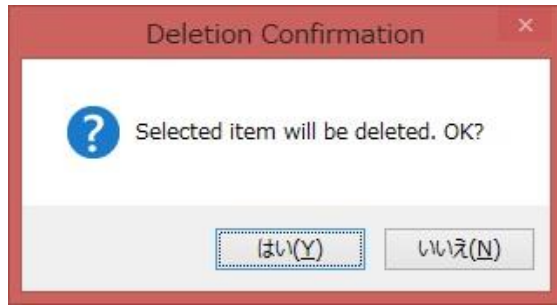


- Delete Device

Select a device you want to delete, and select [Edit]-[Device]-[Delete] from the main menu.



[Confirmation] dialog box opens. If you press <Yes> button, the selected devices will be deleted.



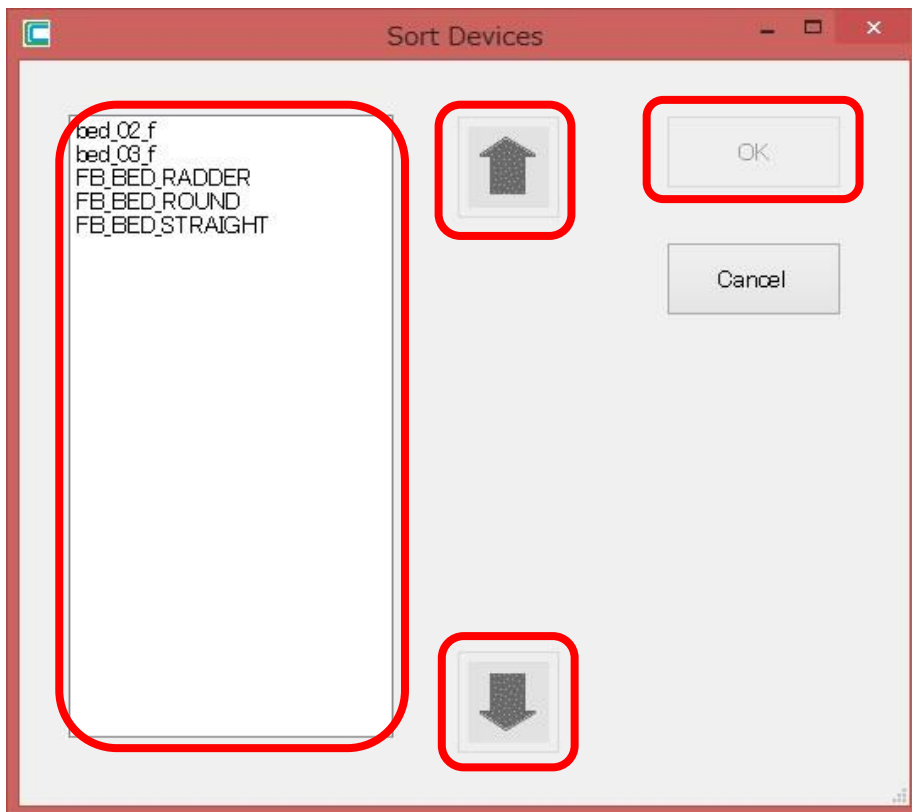
- Sort Devices

This is to change the sequence of devices on a page.

Select a page you want to change the sequence, and select [Edit]-[Device]-[Sort].



[Sort Devices] dialog box opens.



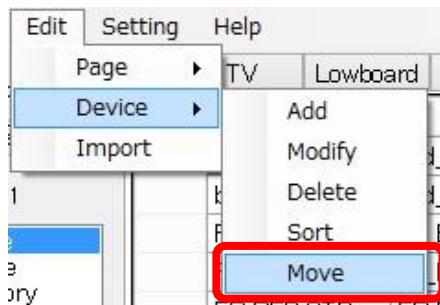
Select any item in the list box and press UP or Down button to move selected item upper or lower.

Once you finish your modification, press <OK> button. Your modification will be saved.

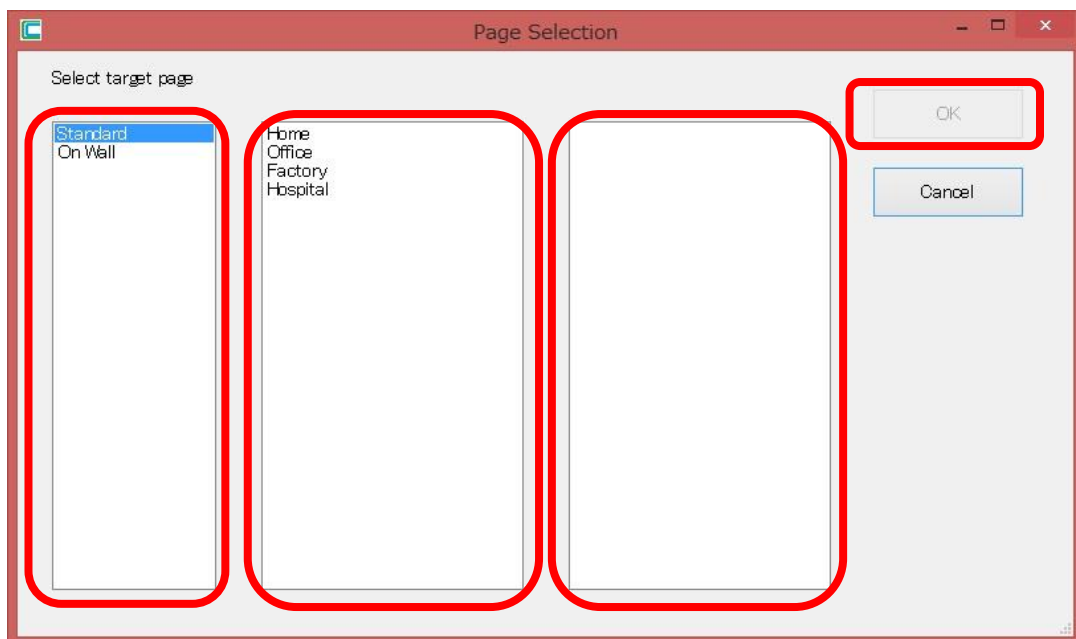
- Move Device

This is to move a device to the other page. You can use this feature when you have multiple pages.

Select a device you want to move, and select [Edit]-[Device]-[Move].



[Page Selection] dialog box opens.

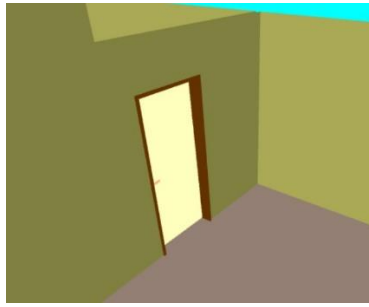


Select a page you want to move to, and select <OK> button. The selected device will be moved to the selected page.

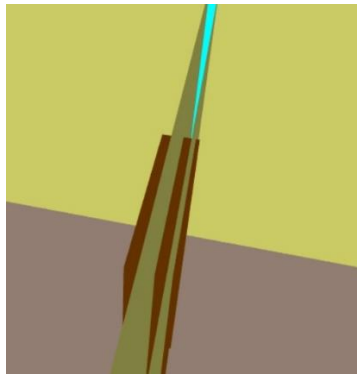
You will see devices in the 3D view along the sequence as defined on this dialog box.

3.4 In-Wall Device

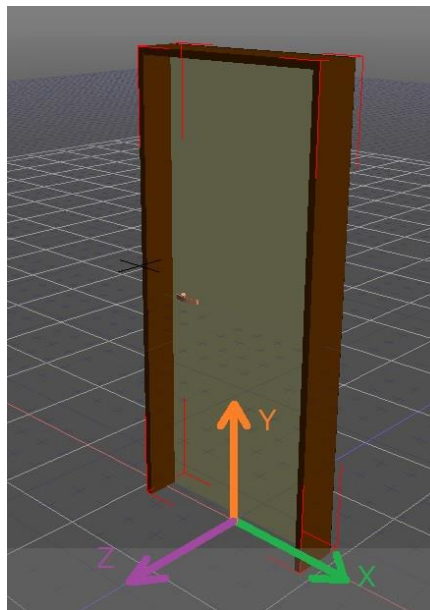
In-Wall Device indicates devices which are embedded in a wall. It includes windows, doors, and so on.



In general, in-wall device is placed between two rooms, which are placed back to back. We expect the device collides with both walls. If so, the system automatically creates holes on both walls.

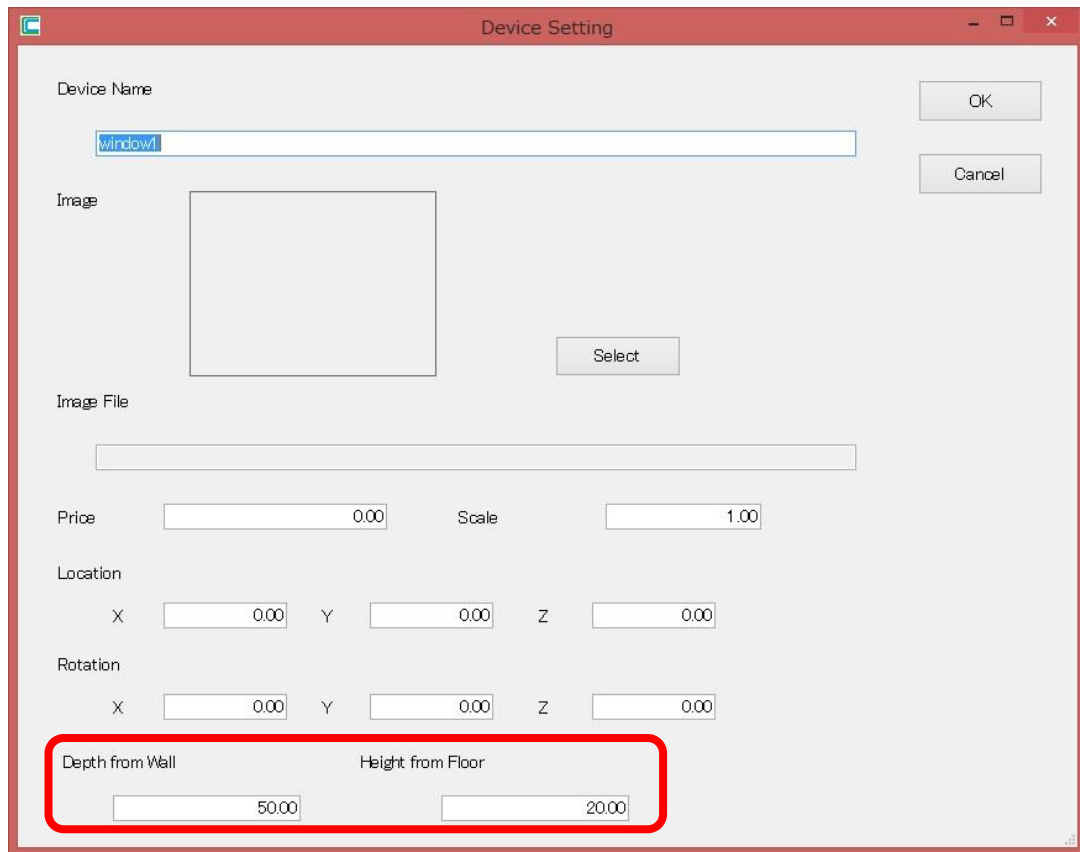


When you create a new 3D model, the origin must be the bottom-center of the bounding box, and X axis points the right, Y axis the upward, and Z axis the backward, watching from the inside of the wall.



You can specify location and rotation, as standard devices, using Configurator. Location means the offset between the bottom-center of bounding box and the actual origin, and rotation means rotation angles along three axes with regards to the direction as shown in the picture above.

You have two settings for in-wall device. Depth from Wall and Height from Floor.



Depth from Floor means the depth from the wall plane to the origin of device. When you specify 0, the half of device is placed above the wall plane (the positive direction of Z axis). No collision between a new device and any wall invokes an error. Please consider this when you decide this value.

Height from Floor means the distance from the floor and the origin of device. When you specify 0, the bottom of the device is consistent with the floor. This setting may be appropriate for doors. Any geometry under the floor or above the ceiling invokes an error.

3.5 Device Info Import

This is to import the contents of 3D geometry directory, including 3D files and images. The following two types of 3D files can be imported.

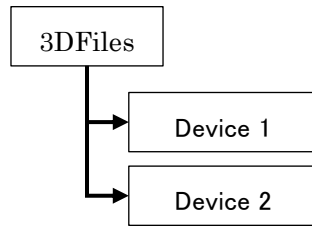
FBX

DXF

Prepare a directory along the following hierarchy before import.

- Exactly the same name folder as the corresponding device's just under 3D files folder
- 3D files and images with the same name as the corresponding folder's.

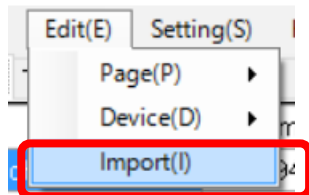
(You can also use 3D files which are copied during installation)



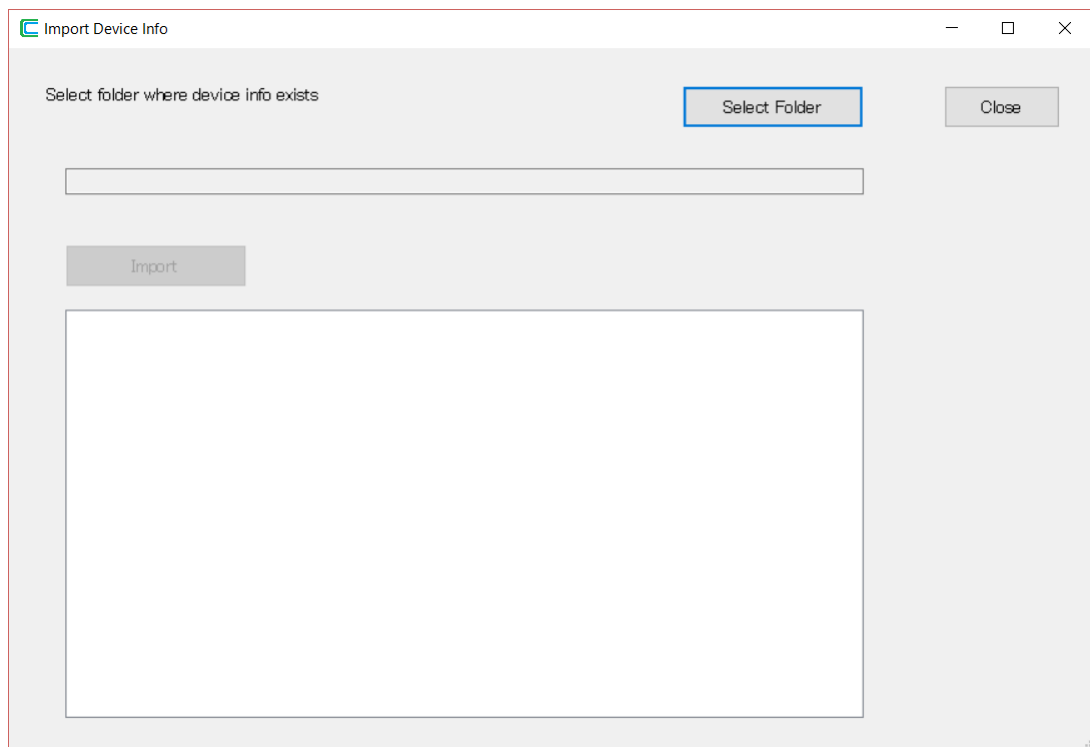
Suppose you have three devices, which are Device1, Device2, and Device3. The folder hierarchy should be as follows. Where, a FBX file and an JPEG file are placed.



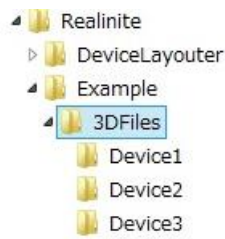
Select [Edit]-[Import] from the main menu.



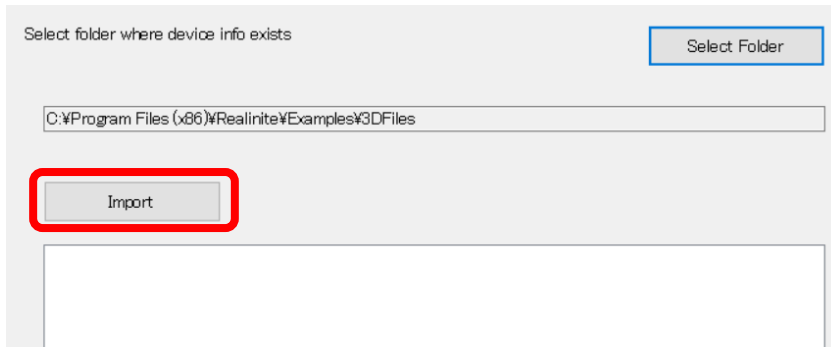
[Import Device Info] dialog box opens.



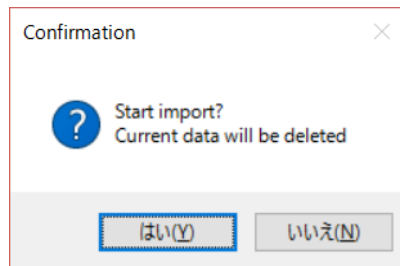
To specify a target folder, press <Select Folder> button. The 3D Files folder should be prepared beforehand. In the following example, Example folder is under the installation folder, and 3D files folder is under that.



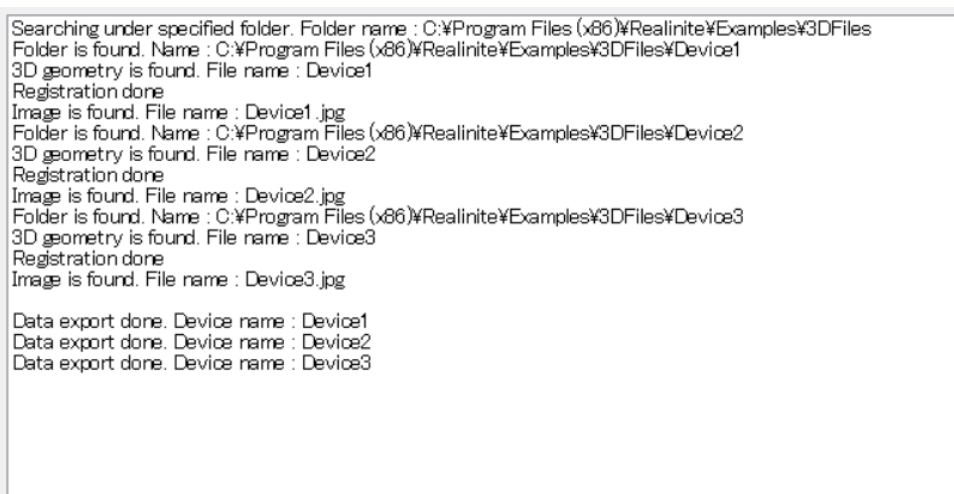
Once the folder selection is finished, press <Import> button.



[Confirmation] dialog box opens. Press <Yes> button to start the import.



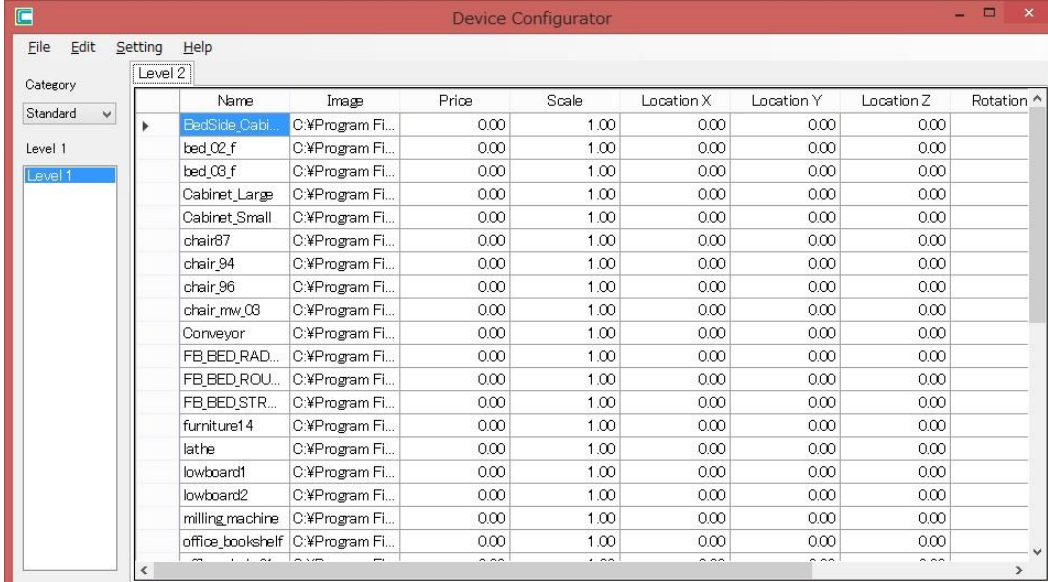
The import result is written in the list box.



Once the import is finished, press <Close> button on [Import Device Info] dialog box.

You can confirm the import result on the data view. All the imported devices are added to a new page.

Device Configurator describes image file information in the XML file, but does nothing for 3D files. Therefore, 3D geometry files are not required before this operation.



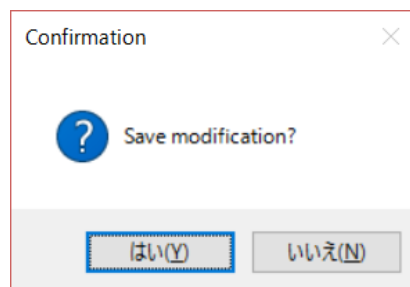
The screenshot shows the 'Device Configurator' application window. The main area contains a table with the following columns: Name, Image, Price, Scale, Location X, Location Y, Location Z, and Rotation. The table lists various device models such as 'BedSide Cabl...', 'bed_02_f', 'bed_08_f', 'Cabinet_Large', 'Cabinet_Small', 'chair87', 'chair_94', 'chair_96', 'chair_rmw_08', 'Conveyor', 'FB_BED_RAD...', 'FB_BED_ROU...', 'FB_BED_STR...', 'furniture14', 'lathe', 'lowboard1', 'lowboard2', 'milling_machine', and 'office_bookshelf'. Each row shows a price of 0.00 and a scale of 1.00, with location coordinates (X, Y, Z) all set to 0.00 and a rotation of 0.00. The 'Image' column contains file paths starting with 'C:\Program Fi...'. On the left side, there is a 'Category' dropdown set to 'Standard' and a tree view showing 'Level 1' and 'Level 2'.

Name	Image	Price	Scale	Location X	Location Y	Location Z	Rotation
BedSide Cabl...	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
bed_02_f	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
bed_08_f	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
Cabinet_Large	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
Cabinet_Small	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
chair87	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
chair_94	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
chair_96	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
chair_rmw_08	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
Conveyor	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
FB_BED_RAD...	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
FB_BED_ROU...	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
FB_BED_STR...	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
furniture14	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
lathe	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
lowboard1	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
lowboard2	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
milling_machine	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00
office_bookshelf	C:\Program Fi...	0.00	1.00	0.00	0.00	0.00	0.00

3.6 Save Modification

Device Configurator doesn't have a specific menu to save the data.

Select [File]-[Close] from the main menu after your modification. [Confirmation] dialog box opens. You can save the modification by pressing <Yes> button.



Chapter 4 – 3D File Integration

4 3D File Integration

4.1 Introduction

This software includes translators for FBX and DXF.

You can specify the 3D file location during the installation.

When you move to Device mode, the system searches the location, and import all the 3D files.

The following sections describe how to integrate your own 3D data.

4.2 Technical Basics on 3D File Retrieval

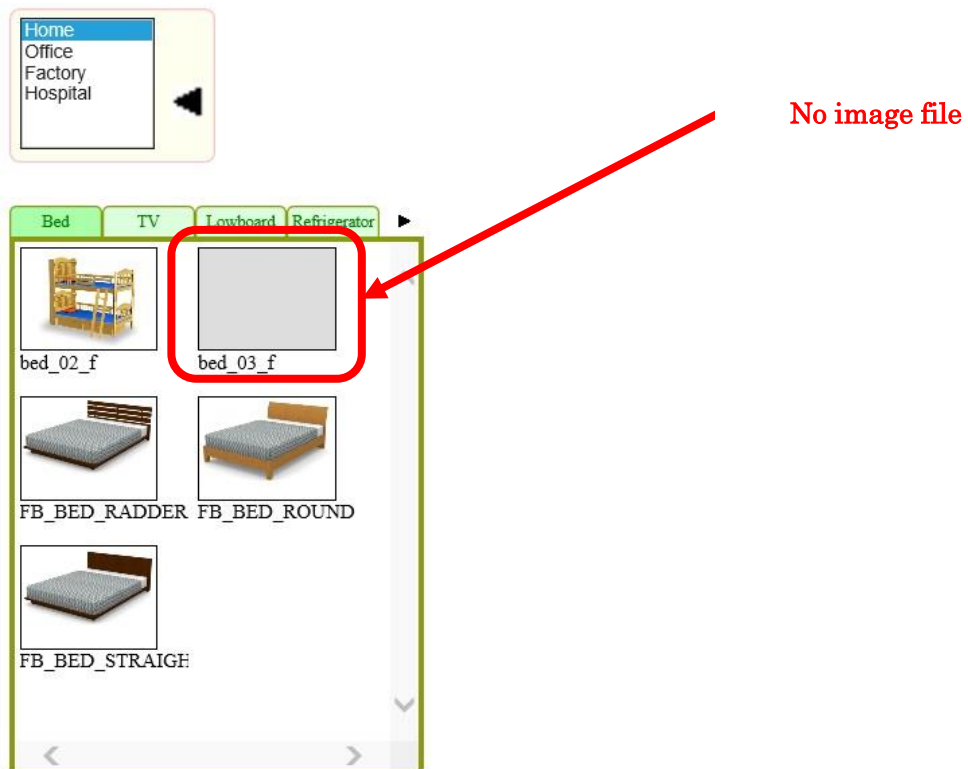
The hierarchy of 3DFiles folder is as follows.

- Exactly the same name folder as the corresponding device's just under 3D files folder
- 3D files and images with the same name as the corresponding folder's.

When you integrate your own data, you must keep this hierarchy.



The device tab renders an empty rectangle if no image is found.



4.3 Integrating 3D Files

- (1) Copy all the original files under 3DFiles. It's mandatory to keep the following folder hierarchy.

- Exactly the same name folder as the corresponding device's just under 3D files folder
 - 3D files and images with the same name as the corresponding folder's.
- (2) Start Device Configurator, and add required settings for original devices.
Refer to Device Configurator manual for the detailed operations.

Chapter 5 - Inquiries

5 Inquiries

Please contact the following if you have any inquiries.

Support@realinite.co.jp