

# **Aluminum Frame Structure Design Software**

## **MISUMI FRAMES Operation Manual Default setting**

## Default setting

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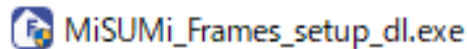
To use Frames, you will need to install software.

\*Please refer to details for recommended environment.  
⇒Details are on p. 7.

## Operating Procedure

### 1) Run Misumi\_Frames\_setup\_dl.exe

\*Administrative privileges may be required.



Proceed with the installation according to the screen.

#### -Attention.

- If you are not up-to-date with Windows Update, you may not be able to install the software correctly.
- Please do so while connected to the Internet.
- You will need to download the necessary files during installation.
- Do not execute any files other than the installer during installation. It may not be installed correctly.

## 2: Screen configuration

### Header menu

There are File, Tool, Help, Intermediate File Output, Drawing Creation, and Parts List Output/Quotation menus.

### Parts Selection List

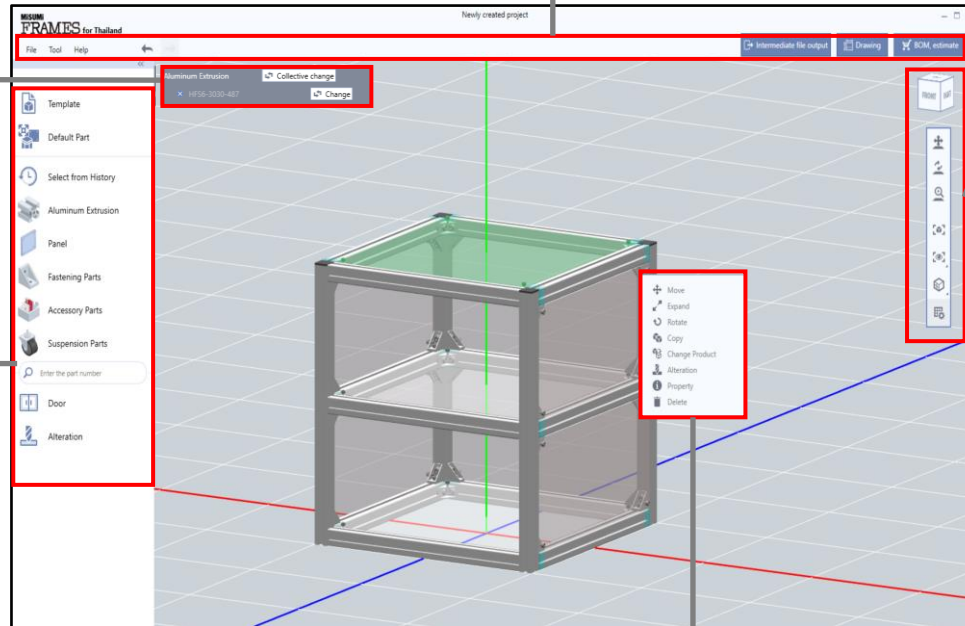
You can check and change the products you have placed. You can also adjust the display size of the frame.

### Insert Menu

Select and insert a template or component from the list. Model number search is also available.

### Part Edit Tool

Used when editing a selected part. It is displayed when a placed part is selected, and the display location can be moved to a right-clicked point.



### Camera Control

Area used for camera operations such as viewpoint changes and movement.



**View Control**  
Change the viewpoint with selected surface.



**Pan**  
Switches the camera to move mode



**Rotate**  
Switches the camera to rotate mode



**Zoom**  
Switches the camera to zoom mode



**Screen Fit**  
All drawing objects fit Displayed to scale.



**Change view**  
Dimensioning/fastening parts in focus  
The display will be shown.



**Guide shape**  
Use for Display and Non-Display Guide data or Grid line



**Configuration**  
Default Part, Mouse Operation, Shortcut Key, etc.

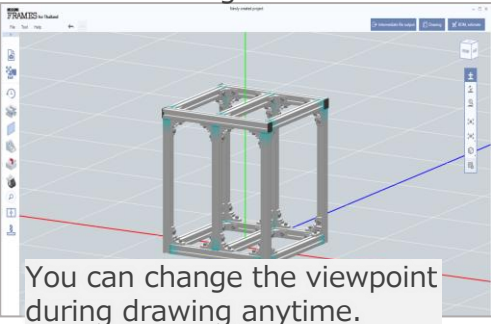
# 3: Mouse operation

In FRAMES, the design is displayed on the 3D screen.

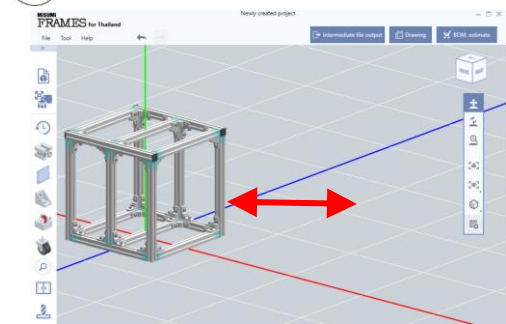
Firstly, please check basic viewpoint operations on the 3D screen.

## Operating Procedure

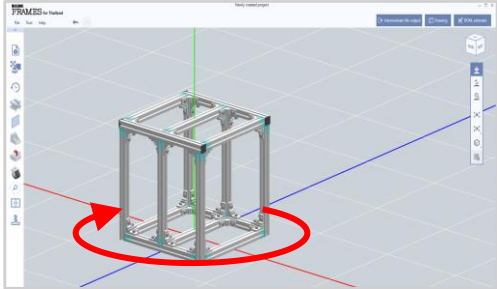
Basic screen  
e.g: Frames standard



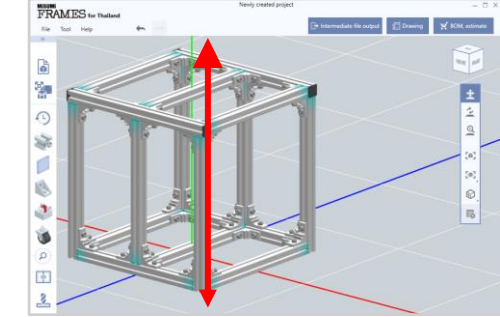
Move the viewpoint by dragging the mouse scroll wheel.



Rotate the camera by dragging the right mouse button.



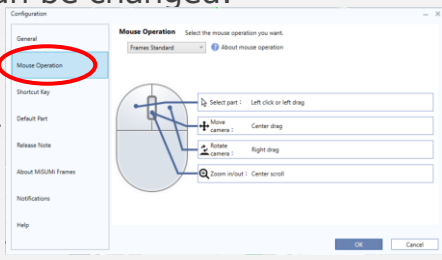
Zoom in/out of the camera by using the mouse scroll wheel up and down.



## - Hint -

Mouse operation settings can be changed.

[How to check/setup]  
Click on "File" menu in the upper left corner of the screen  
→Select Configuration.  
→Select Mouse Operation.



8 mouse operation patterns are available. Please select according to your preference.

1	Frames Standard
2	SOLIDWORKS like
3	CATIA like
4	NX (NX9 or later) like
5	NX (NX10 or later) like
6	iCAD like
7	Creo (Pre Pro/E) like
8	Inventor like

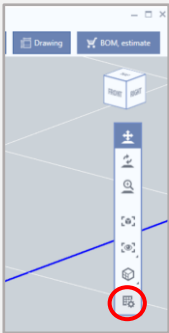
Settings can be changed in Configuration menu.

You can change mouse operation to suit your CAD system or set the default settings for frequently used components.

The default settings for the most frequently used parts will make it easier to use.

- Hint -

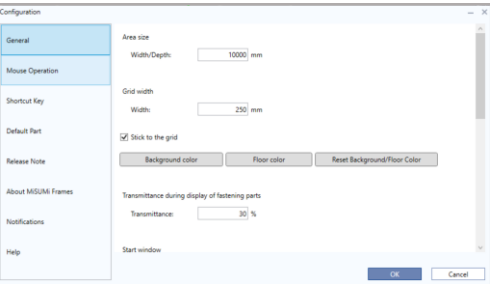
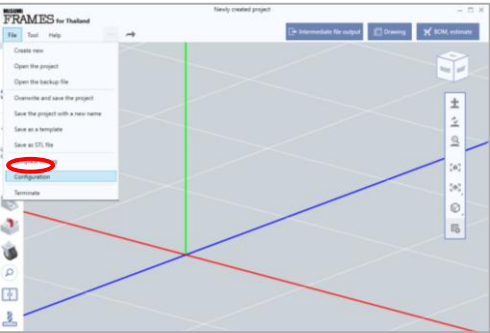
You can open the settings screen from the camera control area.



Operating Procedure

(1) Display Configuration

- Select "File" menu in the upper left corner of the screen
- Configuration
- Select each item



(2) Change settings

<Item Summary>

General	Set the area size, grid width, projection method and other settings related to the screen display at the time of drawing and set the tutorial to be displayed again.
Mouse operation	Sets the mouse operation assignments for camera control operations.
Shortcut key	Sets shortcut key assignments for operations such as saving files.
Default Part	Sets the parts that are inserted by default and the fastening method for panels that are inserted automatically.
Release notes	You can check release notes information.
About MiSUMi Frames	You can check notices of campaign information and maintenance information.
Help	You can check links to various types of support.

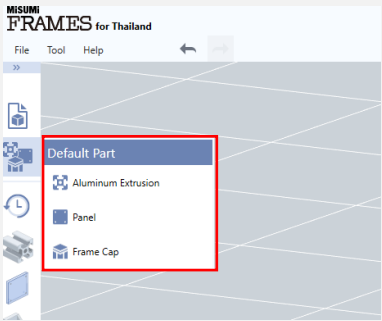
# 5: Default part settings

In Frames, you can set Default Part from configuration and it can be automatically inserted.

Please modify to suit your design.

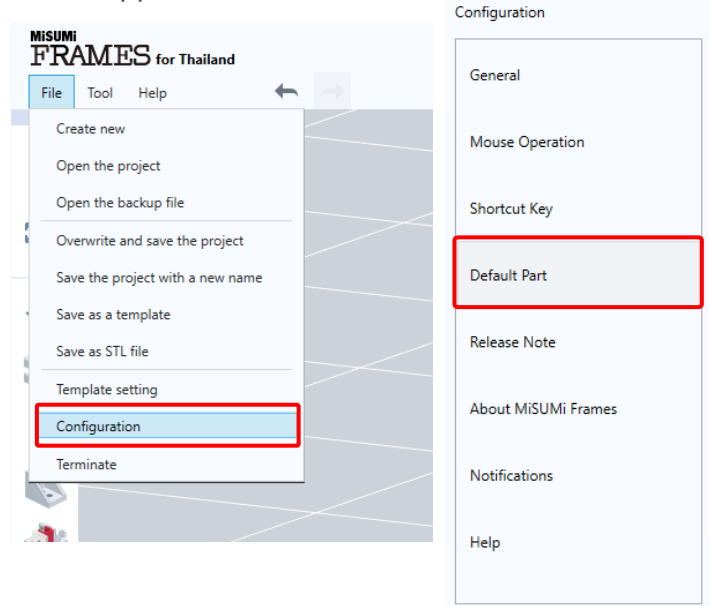
- Hint -.

You can set Default Part from Insert menu.



## Operating Procedure

- (1) Select "Configuration" from File menu in the upper left corner.
- (2) Select "Default Part"



## Default part change

The following products can be set.

- Aluminum Frame
- Panel
- Frame Cap

<b>Default Part</b>	
Aluminum Extrusion	
Default aluminum extrusion	HFS6-3030 <input type="button" value="Search"/>
Panel	
Default panel	ACA <input type="button" value="Search"/>
Panel fastening method	<input type="button" value="Bracket fastening"/>
Frame Cap	
Default Frame Cap	HFC6-3030-B <input type="button" value="Search"/>

## Automatic Fastening part change

You can set parts that will be automatically fastened when placing Aluminum Frame. Please set it for each frame size.

- ① Select Aluminum Frame Series, Number of Slots and angles that you would like to set.
- ② You can set fastening parts for each placement method, and it will be saved.

<b>Fastening parts</b>	
① Method of setting the fastener parts	
Series	5 <input type="button" value="v"/> (1)
Number of Slot	1 <input type="button" value="v"/>
Number of angles	20 <input type="button" value="v"/>
Perpendicular placement	HBLFSN5 <input type="button" value="Search"/>
45 degree placement	- <input type="button" value="Search"/> (2)
Linked placement	- <input type="button" value="Search"/>
Parallel placement	- <input type="button" value="Search"/>
Cross placement	HBLFSN5 <input type="button" value="Search"/>
Bolt and nut set	SET(Screws & Nuts Set) <input type="button" value="v"/>

## 6: Frames recommended environment

Recommended Specs	
OS	Windows10 64Bit Windows11 64Bit
CPU	Core i5 (2.7GHz, 4-core) or higher
memory	8GB or more
HDD free space required	5GB~
graphics board	NVIDIA recommended
Software Configuration	
application body	A set of execution modules for this system
framework	Microsoft .NET Framework 4.5 or higher
database	SQLite