Operation Manual

(June 2019)

FAST SCREEN TRACER

FST-355

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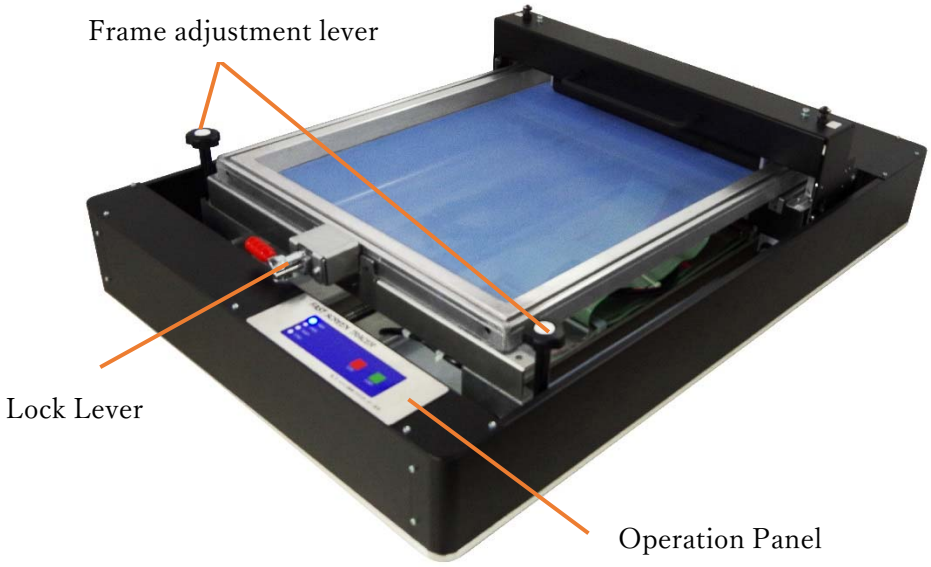
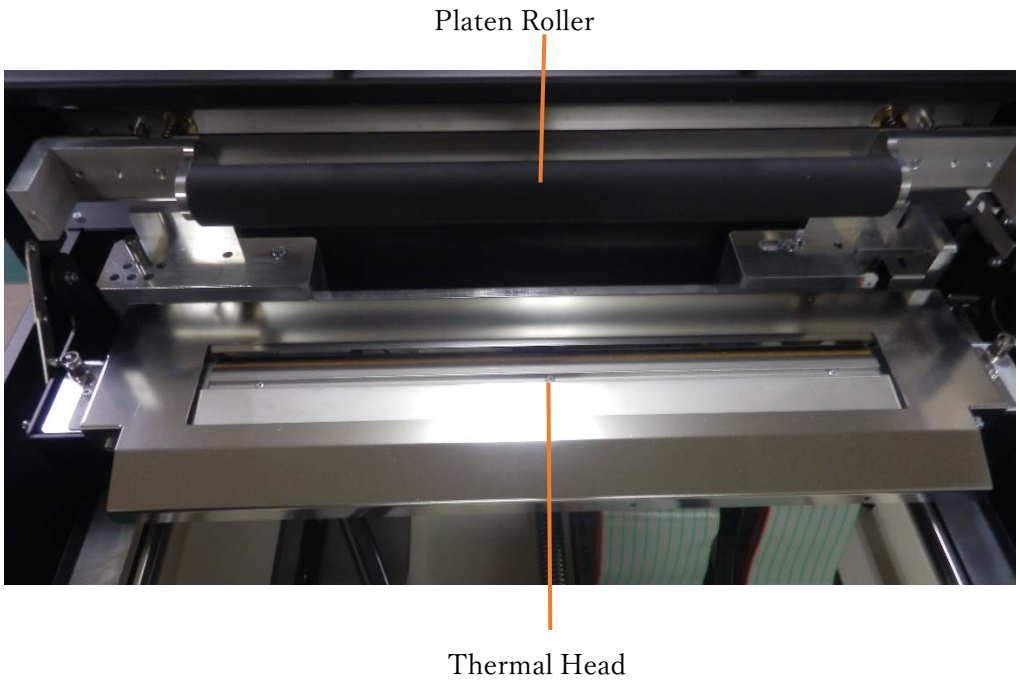
Name of Parts

●Body Appearance



●Thermal Head Unit



●Body Side

Power Switch

Set Up Method

Install the unit on a flat surface without vibration.
Connect each cable according to the following precautions.

Power cable connection

1. Plug the supplied power cable into the power input terminal on the rear of the main unit.

※ Before connecting the power cable, make sure that the power switch is off.
※ Please do not use power cable except attached one by any means.
※ Insert the power cable securely all the way. It may cause fire or malfunction.
※ Do not connect or disconnect the power cable with wet hands. It may cause an electric shock.
※ Do not damage or process the power cable. There is a risk of fire and electric shock.
※ Be sure to disconnect the power cable before moving this product.
※ Please do not do octopus outlet. There is a risk of fire and electric shock.

USB cable connection

1. Plug the included USB cable into the USB port on the back of the unit.
   Use a USB cable that conforms to USB 2.0 standard and has a Type B connector (square) on one side.

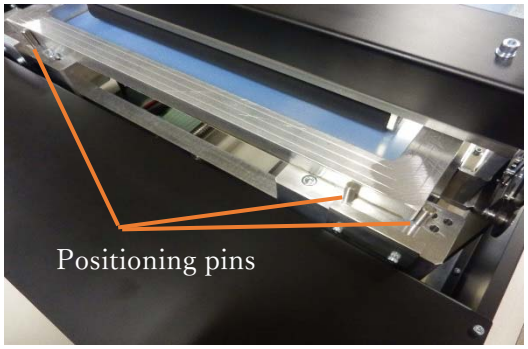
Operation Method

Preparation

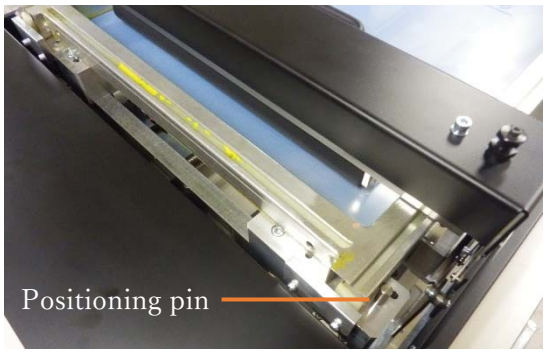
1. Turn on the power.
2. Make sure that the power lamp (blue) on the main unit is on and double-click the dedicated software "Platemaker" from the connected computer to start it.
3. Press the START button (green) on the control panel of the main unit to adjust the origin.

How to set the screen

1. When setting a frame without corners, insert two positioning pins at the specified locations, and one in accordance with the width of the frame. In the case of a frame with corners, insert only one according to the width of the frame.。

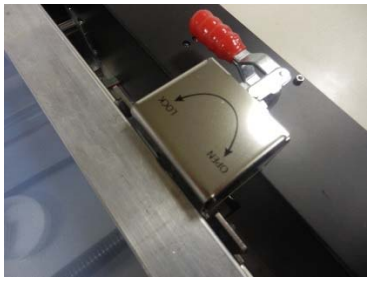


In case of using frame without corners



In case of using frame with corners

2. Insert the screen frame between the thermal head and the platen roller, and position using the frame's positioning pin and frame adjustment lever.
3. Move the lock lever from OPEN to LOCK to secure the screen frame from movement.

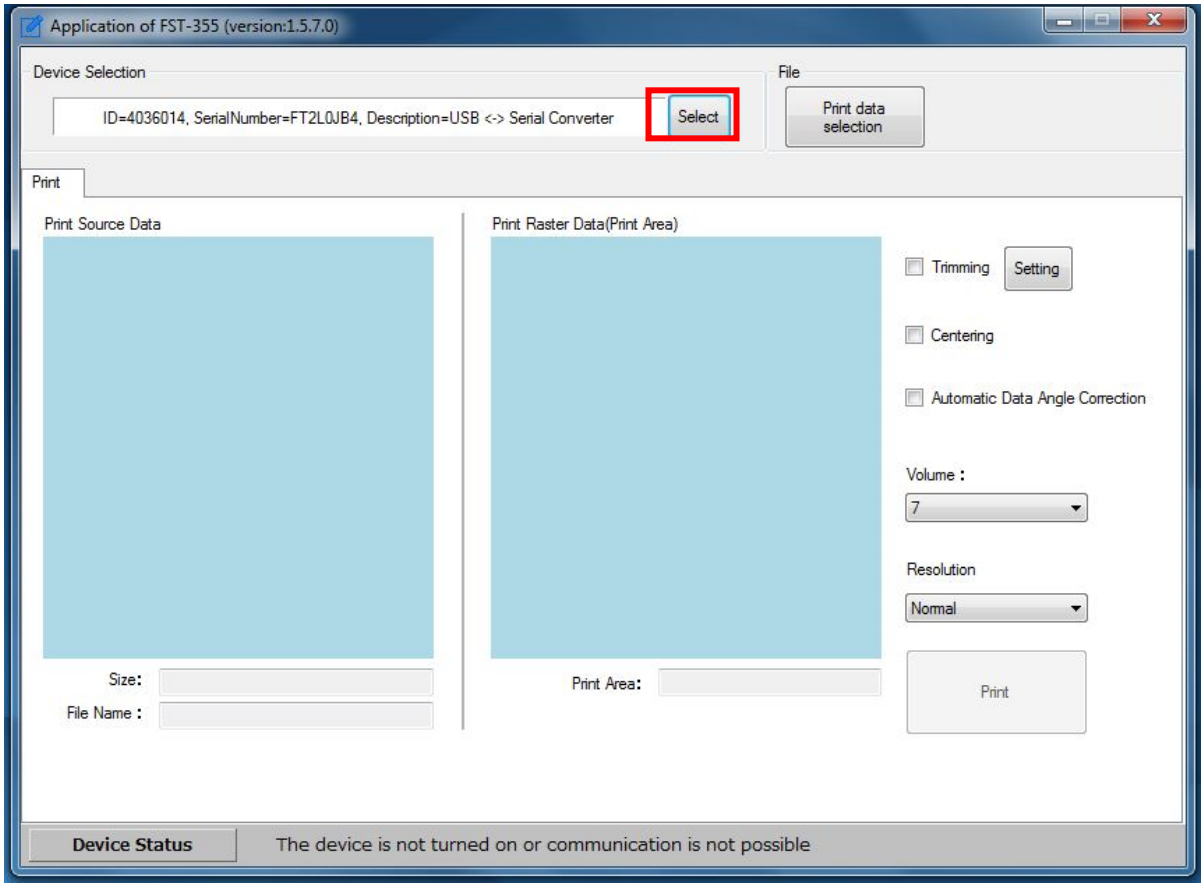


4. Lower the platen roller and make sure it is locked securely.

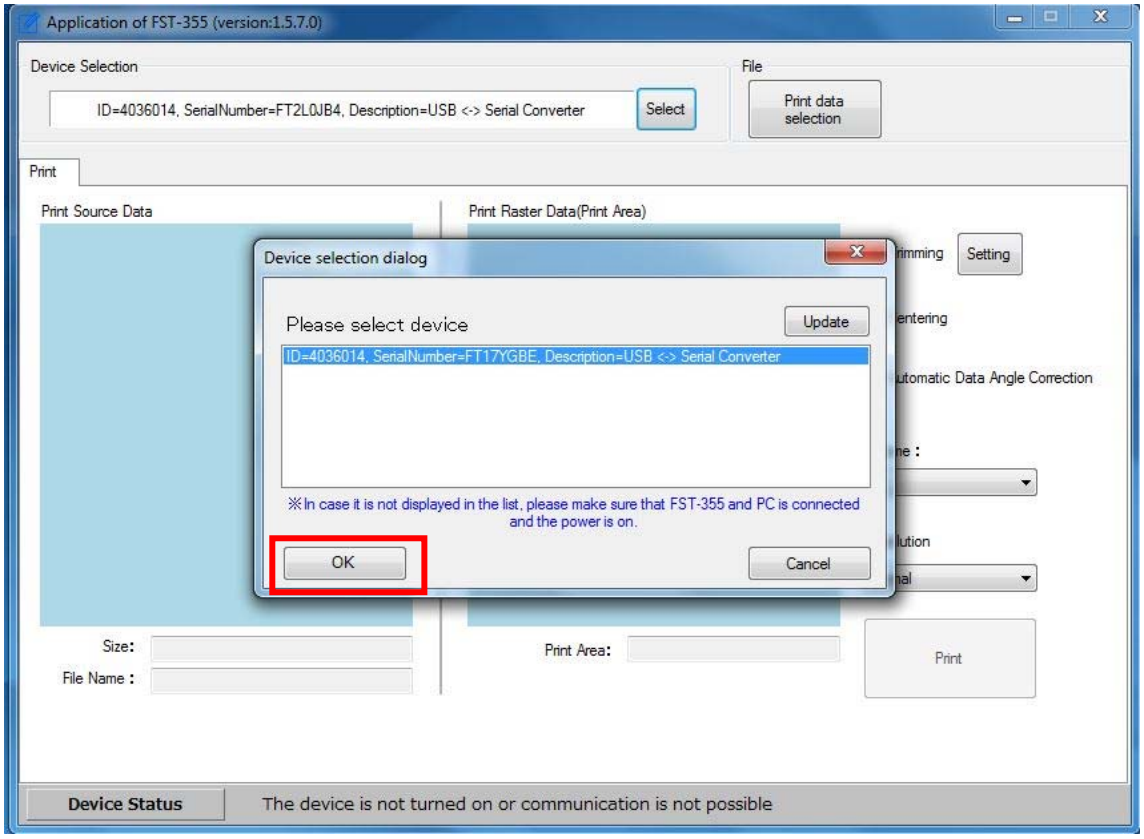
How to use the application

1. Launch the dedicated application "Platemaker" with a double click.

2. Click "Select" in the device selection field at the top left.



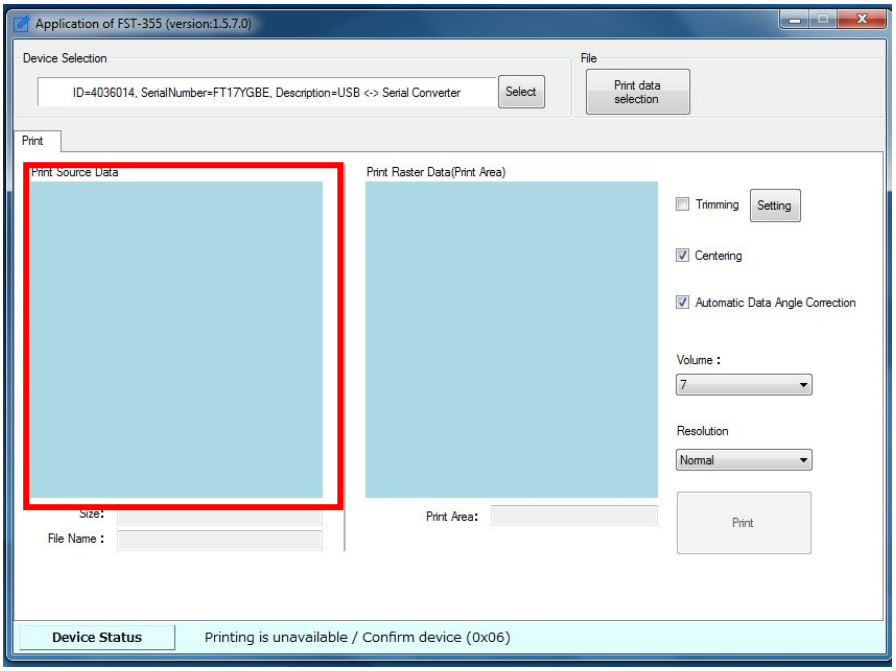
3． The following screen will appear. Please select the displayed device and click "OK".

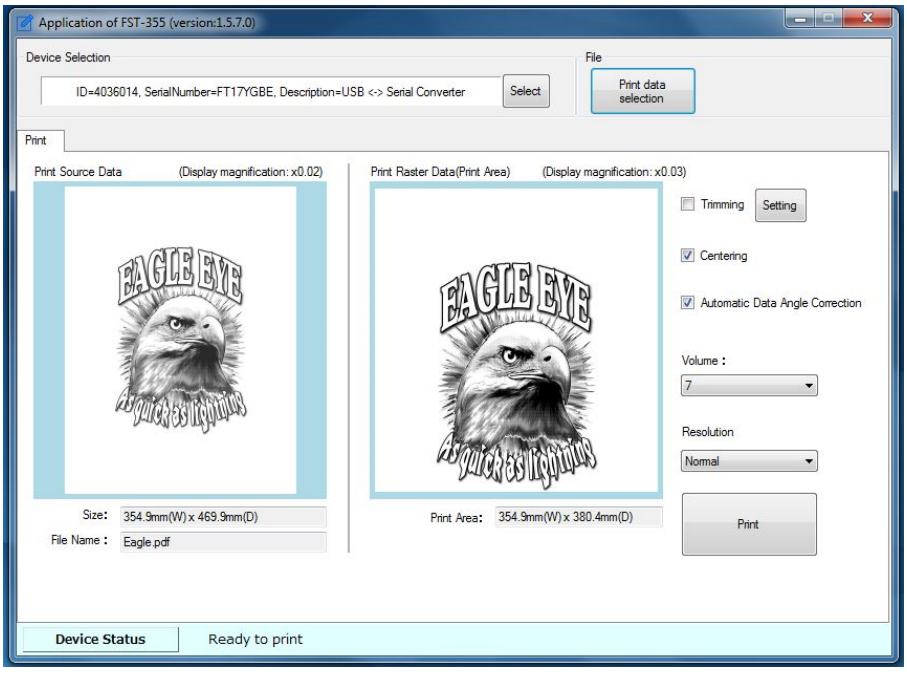


4． Please Check "Centaring" and "Automatic Data Angle Correction".

5． Click "Print data selection" in the upper right, select the file you want to print from the displayed window, and click "Open". After selecting the data, check that the print area size is correct. You can also select data by dragging and dropping into the area enclosed by the red line in the figure below.

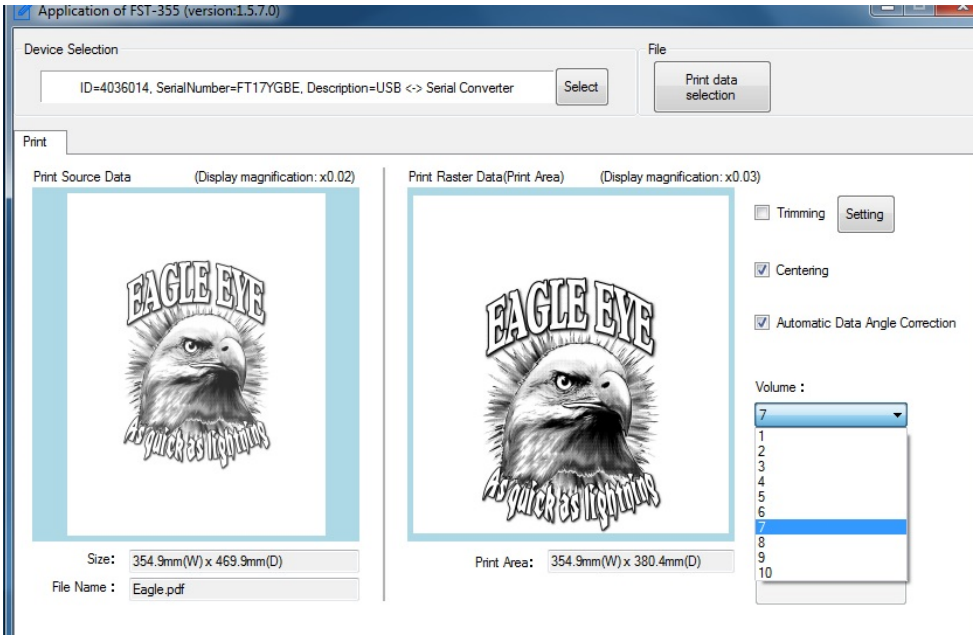
※ Data format that can be printed is BMP, TIFF, PNG, PDF.


Application of FST-355 (version:1.5.7.0)
Device Selection
ID=4036014, SerialNumber=FT17YGBE, Description=USB <-> Serial Converter
Select
File
Print data selection
Print
Print Source Data
Print Raster Data(Print Area)
Trimming
Setting
Centering
Automatic Data Angle Correction
Volume :
7
Resolution
Normal
Size:
File Name :
Print Area:
Print
Device Status
Printing is unavailable / Confirm device (0x06)


Application of FST-355 (version:1.5.7.0)
Device Selection
ID=4036014, SerialNumber=FT17YGBE, Description=USB <-> Serial Converter
Select
File
Print data selection
Print
Print Source Data
(Display magnification: x0.02)
Print Raster Data(Print Area)
(Display magnification: x0.03)
Trimming
Setting
Centering
Automatic Data Angle Correction
Volume :
7
Resolution
Normal
Size:
354.9mm(W) x 469.9mm(D)
File Name :
Eagle.pdf
Print Area:
354.9mm(W) x 380.4mm(D)
Print
Device Status
Ready to print

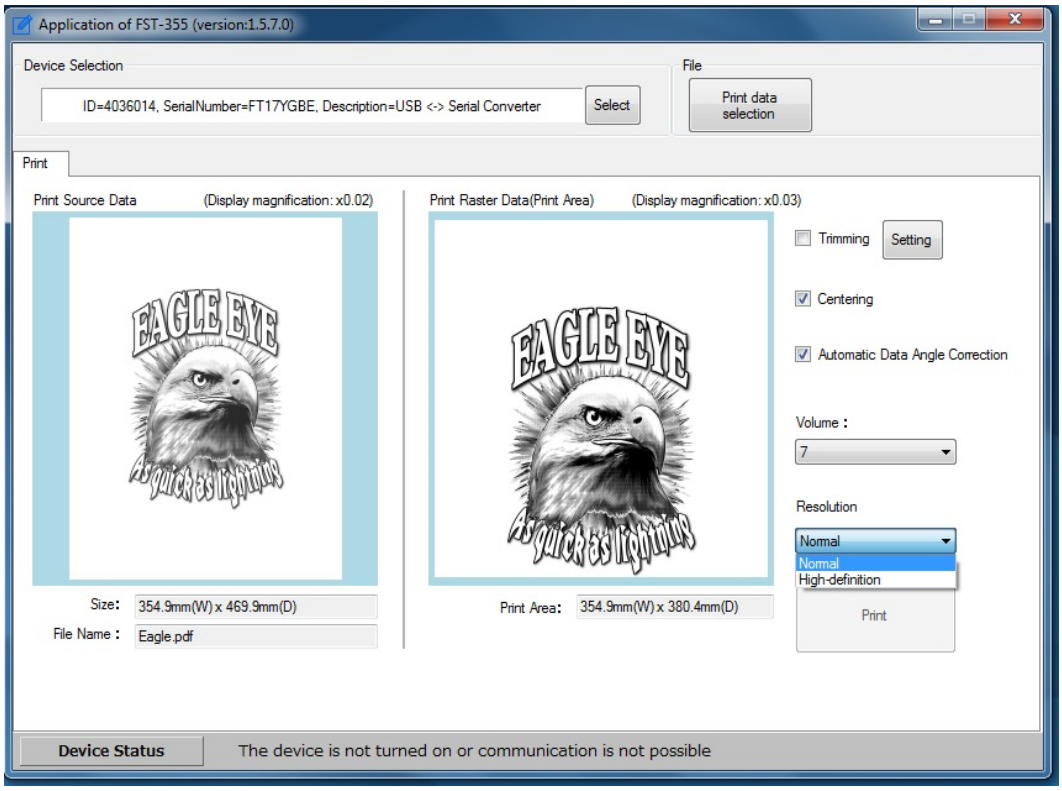
6．Please refer to the figure below and specify the appropriate volume for your mesh.

Mesh Count	Volume
# 7 0	⑧
# 8 0	⑦
# 1 0 0	⑦
# 1 2 0	⑦
# 1 5 0	④
# 1 8 0	④
# 2 3 0	①
# 2 7 0	①

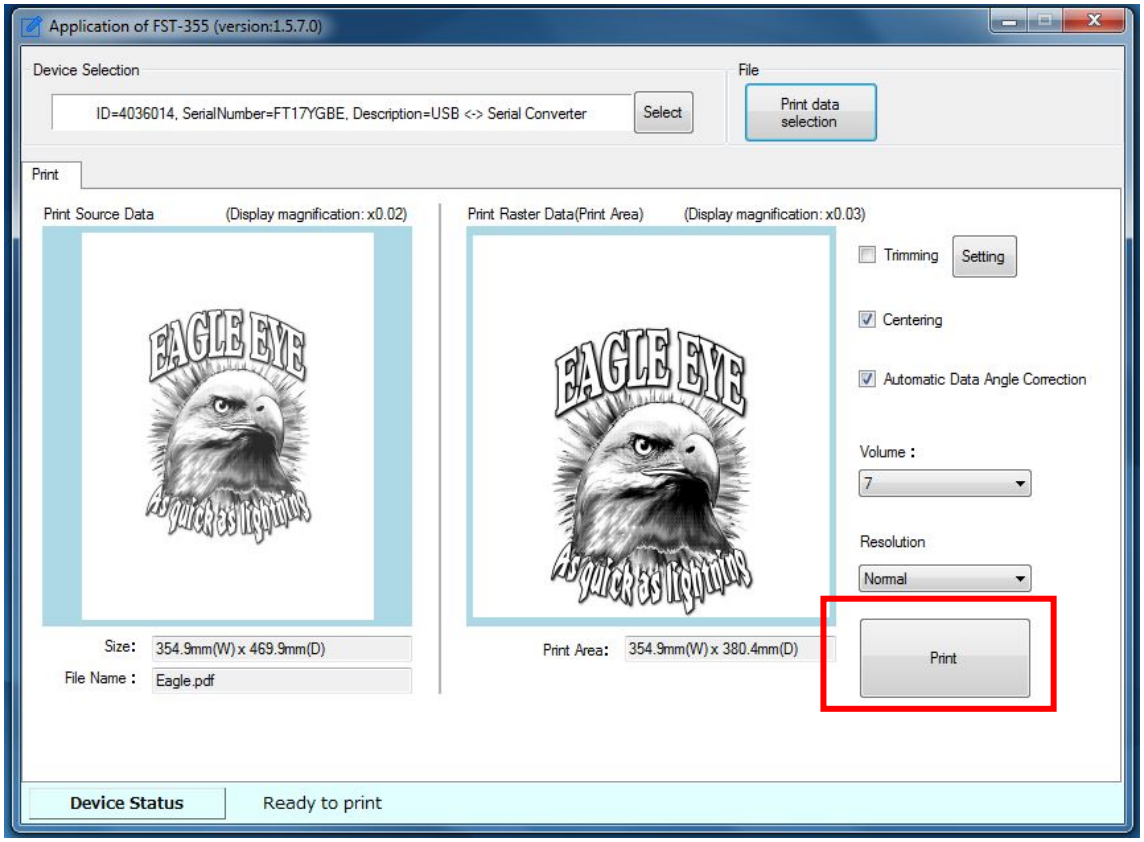


6 . If the resolution is to be used in high definition mode, please select high definition. Select Standard if it is used as a standard.

※High definition mode doubles screen making time, but resolution can be at 320 dpi x 640 dpi.



7. Click the "Print" button on the lower right. Screen making starts automatically. If the "Print" button is grayed out and cannot be clicked, check the Device Status of the lower left device and remove the cause.



※ The code displayed when the device is not ready for printing is as follows.

Code Number	Device Status
0 x 0 2	Thermal head unit not at origin
0 x 0 4	Platen roller is not locked
0 x 0 6	Thermal head unit is not at the origin, platen roller is not locked
0 x 0 8	No frame has been set
0 x 0 A	Frame is not set, thermal head unit is not at the origin
0 x 0 C	Frame is not set, platen roller is not locked
0 x 0 E	Frame is not set, thermal head unit is not at the origin, platen roller is not locked

How to end the machine.

1. Unlock the thermal head unit by raising the lever on the front and raising it.
2. Perform cleaning of the thermal head and platen roller described later.
3. Turn off the power switch and cover the body.

How to maintenance

How to clean the thermal head

1． Unlock and raise the platen roller unit. If the screen frame is set, remove it.

2． Wipe the heat-generating part of the thermal head (glass-like thin band part) 2 to 3 times by moving it to the left and right with a cloth which contains a suitable amount of alcohol such as IPA. Please pay attention that the force is uniformly applied to the whole.

When making a screen after cleaning, be sure to dry the thermal head cleaner thoroughly. (It is recommended to leave for 5 minutes after cleaning)

How to clean the platen roller

1． Unlock and raise the platen roller unit. If the screen frame is set, remove it.

2． While rotating the platen roller by hand, wipe the entire roller with a cloth containing an appropriate amount of alcohol such as IPA. If the contamination is severe, clean again using alcohol such as IPA.

Maintenance point	Frequency
Thermal Head	Every day (before and after work)
	Every 50 times of making screen
Platen Roller	Every 50 times of making screen