How to upgrade from Shot Meister to Shot Meister G2

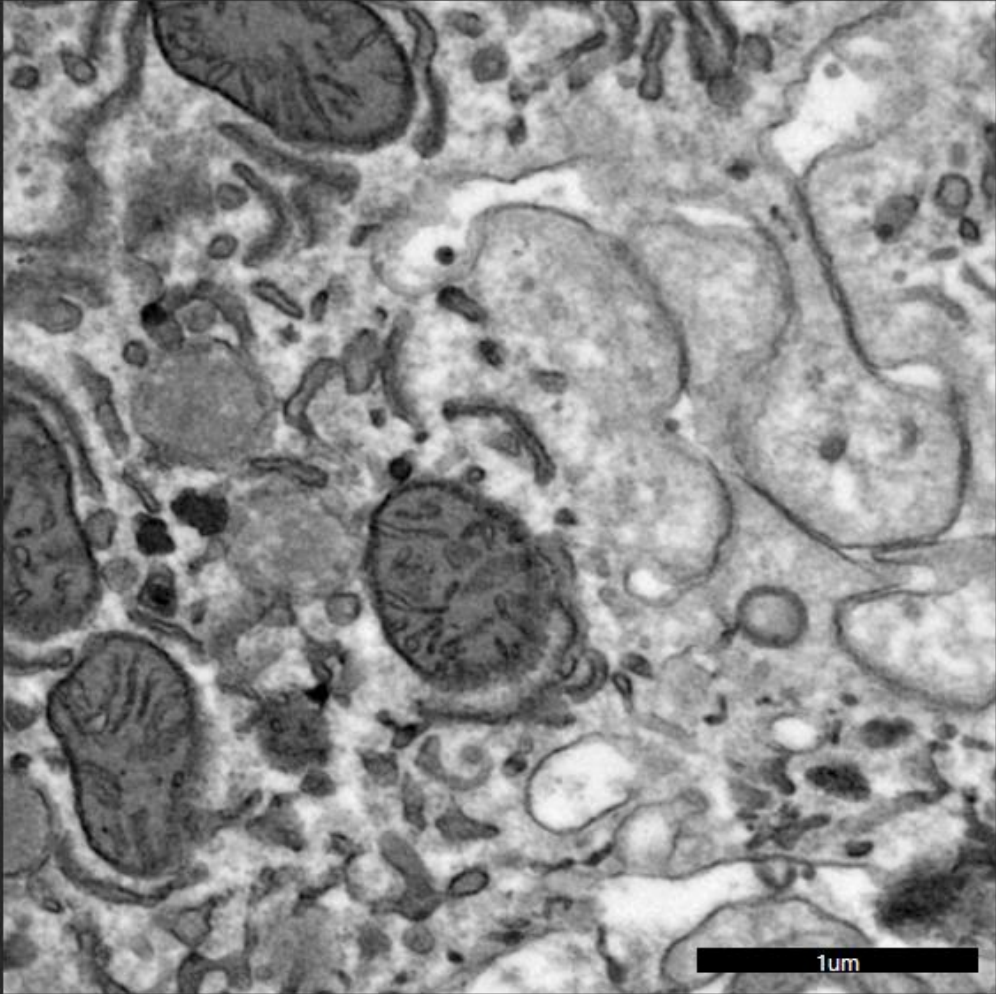# About Shot Meister G2

Features of Shot Meister G2

- Shot Meister G2 is the next generation of Shot Meister, with a sophisticated interface and higher stability.

- Upgrading from the current Shot Meister can be done in just a few steps.

- The dongle(HASP) for Shot Meister is also valid for Shot Meister G2.

- Shot Meister G2 can coexist with the existing Shot Meister. There is no risk in trying it out.

Installation requirements of Shot Meister G2

The OS must be one of the following.
- Windows 10
- Windows 11
- Windows Server 2016
- Windows Server 2019

STEP 1: Check version of existing TEM External

Check product version of
C:¥ProgramFiles¥JEOL¥TemExternal¥TemExt64.dll
on the PC in which existing Shot Meister is installed.

**If version 6.16.0.0 or later has been already
installed, skip STEP 2 and STEP 3.**

STEP 2: Download TEM External V6.16.0.0 Installer

	Contents	Release date	File Type	Language	Request	Comment
	Third Party Products					
1	HASP Driver V7.32	2023/04/18	Binary File		Download	for Windows XP
2	HASP Driver V9.13	2023/06/13	Binary File		Download	
3	PlugIn for GATAN GMS2.x	2023/04/18	Binary File		Download	GMS2.x GMS2.x_K2 GMS2.x_K3
4	PlugIn for GATAN GMS3.x	2023/04/18	Binary File		Download	GMS3.3
5	Visual C++ Redistributable for Visual Studio 2012 Update 4	2023/04/18	Binary File		Download	x86 x64
6	TEM External V6.16.0	2024/02/19	Binary File		Download	

TEM3_V6.16.0.0.zip

Visit TEMography.com web site to download TEM External V6.16.0.0 (TEM3_V6.16.0.0.zip).

STEP 3: Install TEM External V6.16.0.0
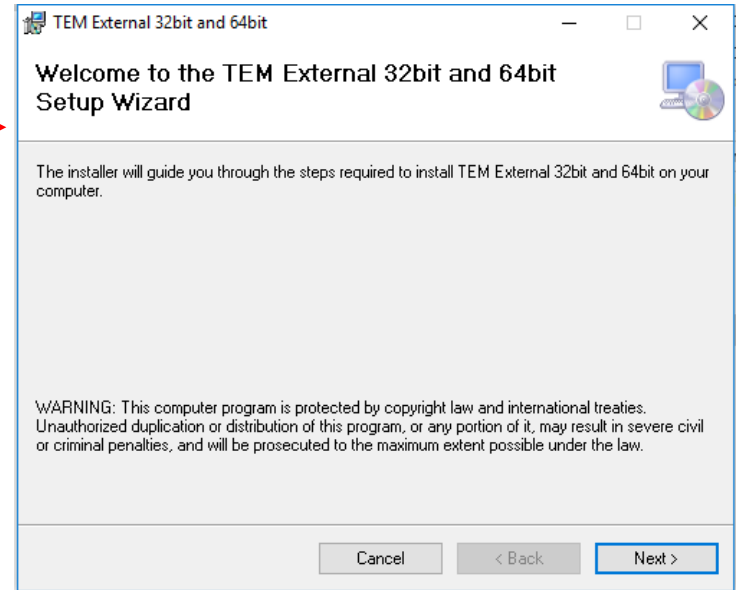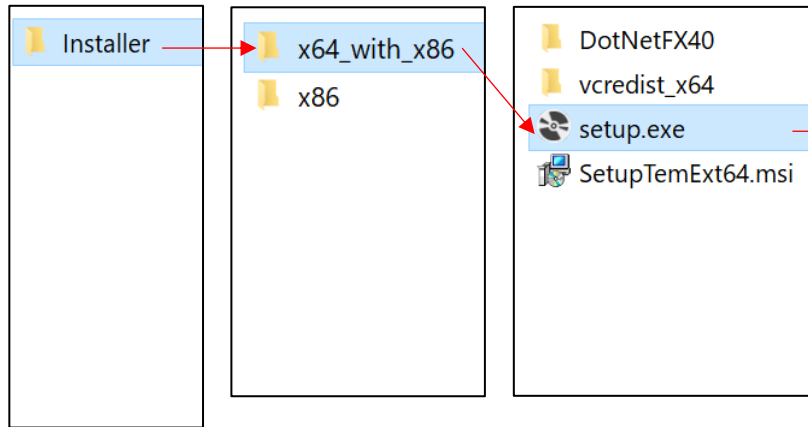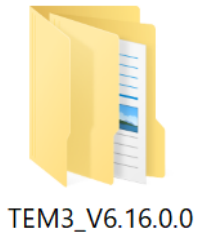
Unzip the zip file downloaded from TEMography.com. Then find setup.exe and execute it on the PC in which existing Shot Meister is installed.

⚠️ If higher version has been already installed, the installer should NOT be run.

If the input fields for IP Address, Normal Port, and Notify Port appear during the installation process, set them as shown in the table on the right.

IP Address	IP Address of the PC in which TEM Center is installed.
Normal Port	2001
Notify Port	2010

STEP 4: Install Shot Meister G2

撮

Setup_Shot
MeisterG2.
exe

Execute

ShotMeisterG2 Setup

撮 ShotMeisterG2

Software License Agreement

This Software License Agreement is made and entered into by and between you, the end-user customer, and SYSTEM IN FRONTIER INC. (hereinafter referred to as SYSTEM IN FRONTIER) in witness of agreement between both parties upon licensing of the right to use this software (which is

Version 1.0.80.0

☑ I agree to the license terms and conditions

Check

Install   Close

Click

Execute Setup_ShotMeisterG2.exe to install Shot Meister G2.

STEP 5: Configure startup setting from shortcut

⚠️ This step is only necessary if the camera is provided by Gatan.
For other cameras such as JEOL, TVIPS, EMSIS, and OSIS camera, skip this step.
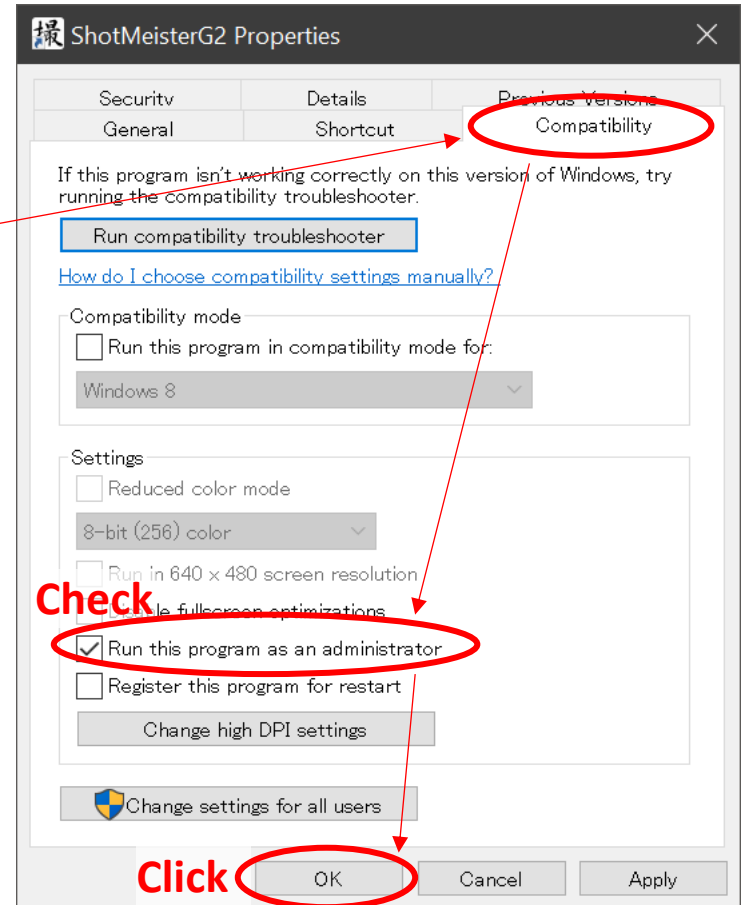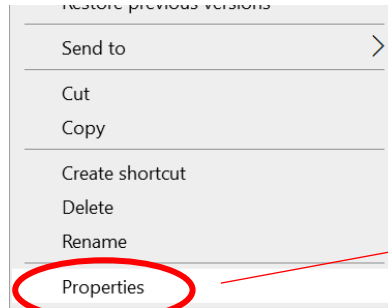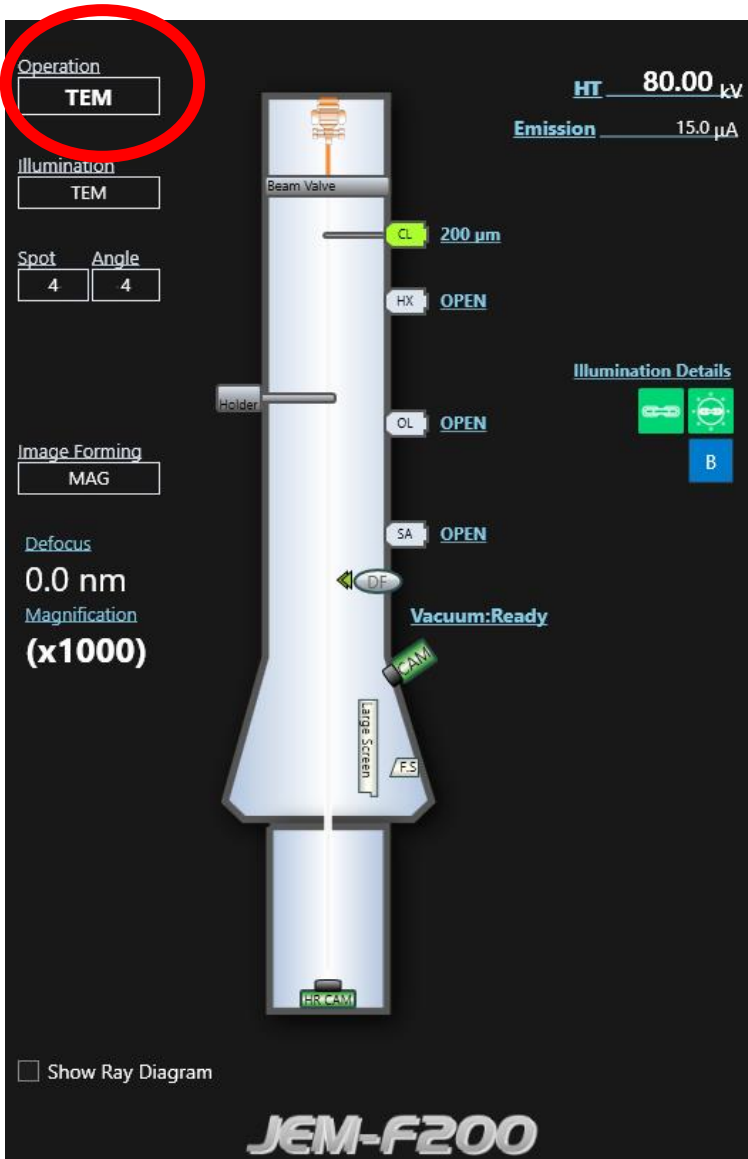
ShotMeisterG2

Right click

- Send to
- Cut
- Copy
- Create shortcut
- Delete
- Rename
- **Properties**

For Gatan cameras only, set Shot Meister G2 to always start with administrator privileges.

ShotMeisterG2 Properties

| Security | Details | Previous Versions |
| General | Shortcut | Compatibility |

If this program isn't working correctly on this version of Windows, try running the compatibility troubleshooter.

[Run compatibility troubleshooter]

How do I choose compatibility settings manually?

Compatibility mode
☐ Run this program in compatibility mode for:
Windows 8

Settings
☐ Reduced color mode
8-bit (256) color
☐ Run in 640 x 480 screen resolution
☐ Disable fullscreen optimizations

Check
☑ Run this program as an administrator
☐ Register this program for restart
[Change high DPI settings]

🛡 Change settings for all users

Click [OK] [Cancel] [Apply]

STEP 6: Make sure TEM Center is running in TEM mode

Make sure that TEM Center is running, and the operation mode is TEM mode but not STEM(Scanning) mode.

STEP 7: Preparation before launching

Prepare for launching Shot Meister G2 according to the type of camera just like when launching the previous version of Shot Meister.

| Camera Type	Checklist
JEOL Camera	Make sure that TemCenter is running.
Gatan Camera	Make sure that Digital Micrograph is running.
EMSIS Camera	Make sure that RADIUS is NOT running.
TVIPS Camera	It is recommended that EMMENU is NOT running. Make sure that the camera is not locked by other software.
OSIS Camera	Make sure that iTEM is NOT running.

Double click

Double click the Shot Meister G2 icon on the desktop to show the window asking how to set up.

Click the button indicating the location of existing Shot Meister to inherit the settings.

Then the Initial Settings window is displayed as shown on the next page.

⚠️

In rare cases, there may be multiple candidates for inheriting setting. If not sure which one to choose, please contact us via contact form of TEMography.com.

ShotMeisterG2

How to set up?

● New setup

New setup

● Inherit regacy setting

C:\Temography.com\ShotMeister
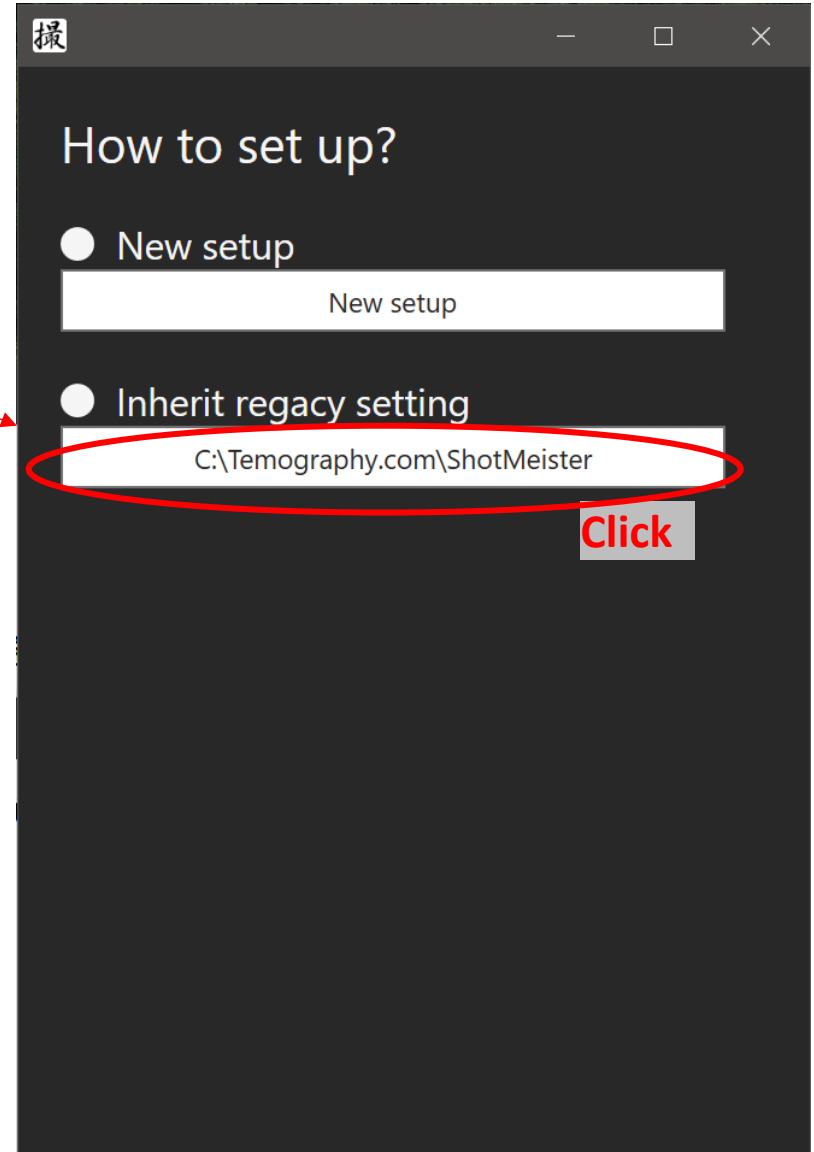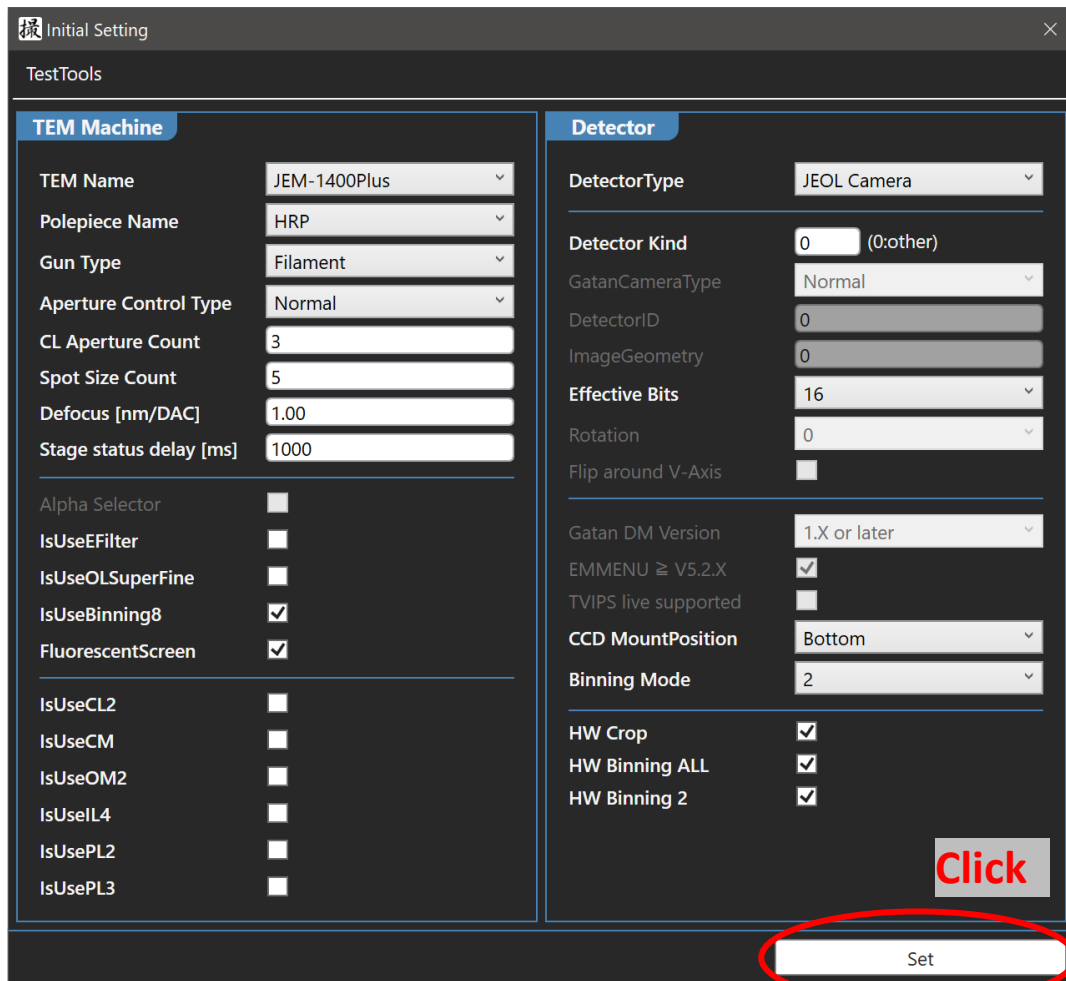
Click

On Initial Setting window, do not change any settings and just click Set button.
Then Shot Meister G2 main window is displayed as shown on the next page.

STEP 9: Check the camera name on main window
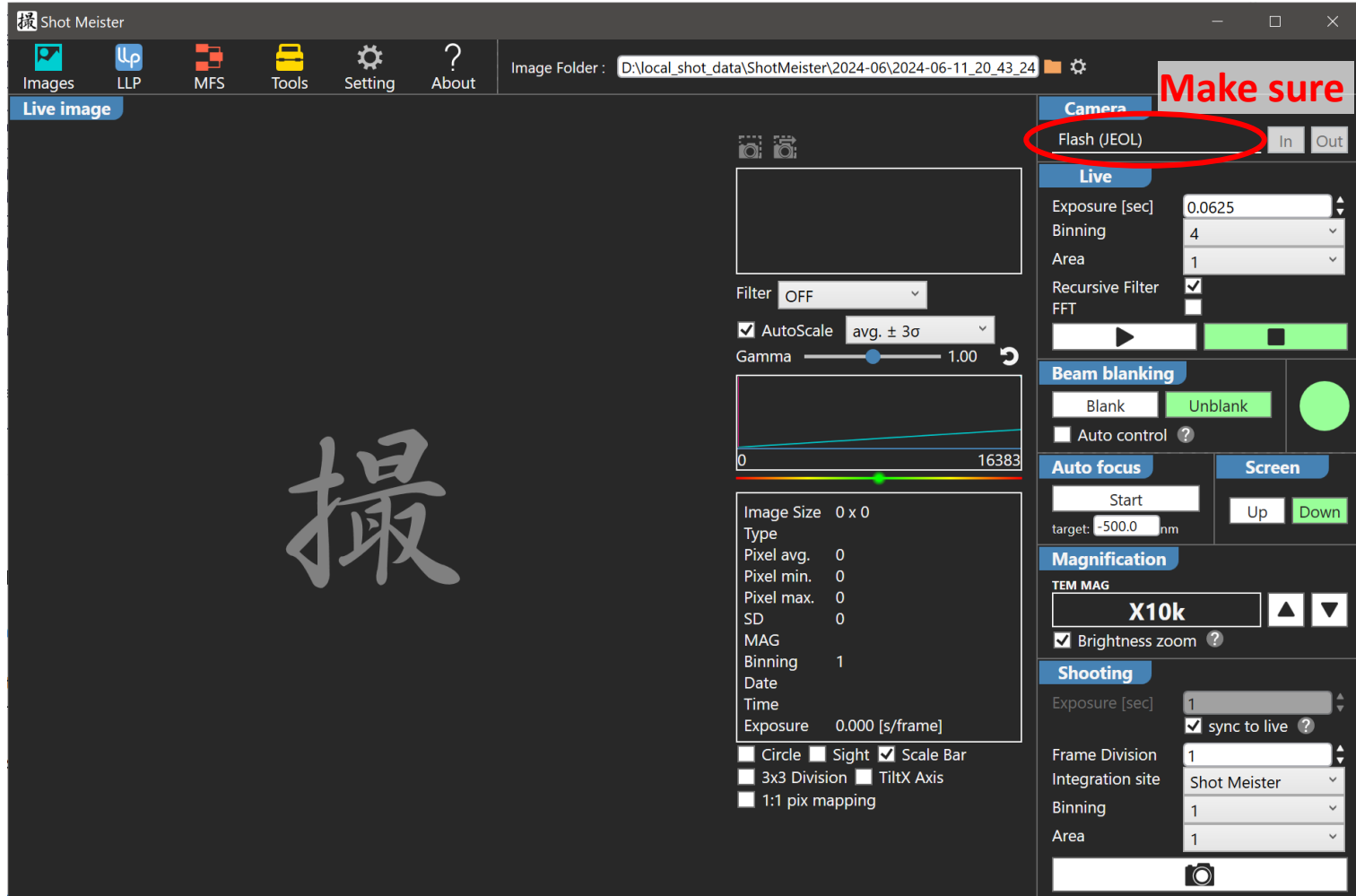
Make sure Shot Meister G2 is communicating with the correct camera, especially in a multi-camera environment. If Shot Meister G2 is communicating with wrong camera, stop using immediately and contact us via contact form of TEMography.com.

STEP 10: Check Live image acquisition

Make sure that the Live image acquisition works fine.

STEP 11: Check shooting image

Make sure that the shooting button works fine.

TROUBLE SHOOTING

- **If Shot Meister G2 startup fails on JEOL camera environment**

    If Shot Meister G2 does not start properly at JEOL camera environment, starting Shot Meister G2 once with administrator privileges may solve the problem.
    After that, make sure that it works fine without any problems with normal privileges.

- **If an error about reference images is occurred at shooting or live image acquisition**

    Dark reference images and Flat reference images from previous Shot Meister models will not be carried over to Shot Meister G2.
    If an error message about the reference image appears when acquiring an image with Shot Meister G2, open Settings from the menu at the top of the main window and re-acquire the reference images.

- **Any other trouble**

    Feel easy to contact us via contact form of TEMography.com.