# Lumix GH5 II

**LIVE STREAMING SETTINGS GUIDE**

<table>
<thead>
<tr>
<th>📸 M</th>
<th>Live streaming preparation/settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>🔨</td>
<td>Pairing your camera and smartphone</td>
</tr>
<tr>
<td>📱</td>
<td>Live streaming settings using a smartphone</td>
</tr>
<tr>
<td>📱💻</td>
<td>Live streaming settings using a PC and SD memory card</td>
</tr>
</tbody>
</table>
1. **Preparation when using a smartphone**

   **GH5 II**  
   ![Camera Image]

   + **Smartphone**  
   ![Smartphone Image]

   ![Initial screen after installing the “LUMIX Sync” smartphone app]
   ![Set the connection of the camera and smartphone with Bluetooth]
   ![Select the camera]
   ![Pairing may take a few minutes]

   Pressing the camera’s side button will display the battery level and the Bluetooth connection status.

   - **Check FAQs**
     - Frequently asked questions from customers are introduced at the LUMIX Customer Support page.

2. **Connect your camera and smartphone**

   Pair the “LUMIX Sync” smartphone app with your camera in advance with Bluetooth.
THREE WAYS to live stream using the “LUMIX Sync” smartphone app

[1] Streaming with RTMP/RTMPS

Setting method for live streaming using stream URL and stream key. In addition to YouTube and Facebook, it is possible to configure settings with various social streaming platforms that are compatible with RTMP/RTMPS.

*When you wish to schedule a post or if you have less than 1,000 subscribers on YouTube, connect with RTMP/RTMPS.

[2] Streaming with YouTube LIVE

This is a setting method to easily conduct live streaming by logging into your YouTube account so that you can omit inputs such as stream key.

Caution: Due to YouTube’s Terms of Service, this setting is only possible if you have over 1,000 subscribers.

[3] Streaming with Facebook LIVE

This is a setting method to easily conduct live streaming by logging into your Facebook account so that you can omit inputs such as stream key.

*Live streaming to the platforms that comply with RTMP/RTMPS is basically possible. Compatibility with all the platforms is not guaranteed. There may be cases where the live streaming is not possible when the service of the platform changes. For more information, please refer to the terms and conditions of the platform.

*YouTube” and the “YouTube logo” are registered trademarks of Google Inc. *Facebook” is a registered trademark of Facebook, Inc.
[1] Streaming with RTMP/RTMPS

This is a setting method for live streaming using platforms compatible with RTMP/RTMPS such as YouTube.

**STEP 1**
Launch LUMIX Sync and start settings

- [Select “Others”]
- [Select “Live streaming”]
- [Select “Stream with RTMP/RTMPS”]

**STEP 2**
Configure settings from the social streaming platform

1. Set the privacy settings and date and time.
2. Set other details.
3. Copy the stream URL.
4. Copy the stream key.
5. Copy to your email, etc. and share with an app.

**STEP 3**
Set the streaming quality

- [RTMP]
- [RTMPS]

**Wi-Fi settings**

- Configure Wi-Fi connection settings
- Select a wireless access point

**Image quality settings**

- [Set the streaming quality]

**Stream URL settings**

- Obtain a stream URL from the social streaming platform and configure settings

**Stream key settings**

- Obtain a stream key from the social streaming platform and configure settings

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*When streaming using a smartphone network, a tethering service contract for your carrier is required.

*YouTube” and the “YouTube logo” are registered trademarks of Google Inc.

*Here we will be explaining using a streaming setting using YouTube Studio as an example. *When you wish to schedule a post or if you have less than 1,000 subscribers on YouTube, connect with RTMP/RTMPS.
[1] Streaming with RTMP/RTMPS

This is a setting method for live streaming using platforms compatible with RTMP/RTMPS such as YouTube.

**STEP 3**
Set from LUMIX Sync to a camera

- Streaming function ON

**STEP 4**
Stopping and ending streaming

- Stop live streaming
- End live streaming
- Return to the top screen

Spread the URL and start streaming

- Copy the stream URL
- Start live streaming

LIVE STREAMING WITH A SMARTPHONE

- YouTube and the "YouTube logo" are registered trademarks of Google Inc.
- "Here we will be explaining using a streaming setting using YouTube Studio as an example. *When you wish to schedule a post or if you have less than 1,000 subscribers on YouTube, connect with RTMP/RTMPS."
How to set live streaming using your account and YouTube Studio if you are a YouTube user with over 1,000 subscribers.

**STEP 1**
Launch LUMIX Sync and start settings

- [Select "Others"]
- [Select "Live streaming"]
- [Select "Stream with YouTube"]

**STEP 2**
YouTube account settings

- [Login to your YouTube account]

 **Wi-Fi settings**

- [Select a wireless access point]

 **Image quality, title and description**

- [Set the streaming quality, title and description]

 **Privacy settings**

- [Set the range to release the stream]

*When streaming using a smartphone network, a tethering service contract for your carrier is required.
How to set live streaming using your account and YouTube Studio if you are a YouTube user with over 1,000 subscribers.

**STEP 3**
Set from LUMIX Sync to a camera

- **Set to the camera**
- **Turn the camera’s streaming function ON**

**Creative Video Mode**

**STEP 4**
Spread the URL and start streaming

- **Copy the URL**
- **Start live streaming**

**Blue frame indicator during live streaming**

**Streaming function ON**

**LIVE STREAMING WITH A SMARTPHONE**

- Connect with RTMP/RTMPS if you have less than 1,000 subscribers on YouTube.

**Announce the URL with social media, email, etc.**

**STEP 4**
Stopping and ending streaming

- **Stop live streaming**
- **End live streaming**
- **Return to the top screen**

*The blue frame indicator can be switched ON/OFF.*

*YouTube* and the “YouTube logo” are registered trademarks of Google Inc.
**[3] Streaming with Facebook LIVE**

Setting method for live streaming using your Facebook account and Facebook LIVE.

**STEP 1**
Launch LUMIX Sync and start settings

1. [Select “Others”]
2. [Select “Live streaming”]
3. [Select “Stream with Facebook”]

**STEP 2**
Facebook account settings

1. [Login to your Facebook account]

**Wi-Fi settings**

1. [Select a wireless access point]

**Image quality, title and description**

1. [Set the streaming quality, title and description]

**Privacy settings**

1. [Set the range to release the stream]

*Facebook* is a registered trademark of Facebook, Inc.

- *When streaming using a smartphone network, a tethering service contract for your carrier is required.*
[3] Streaming with Facebook LIVE

Setting method for live streaming using your Facebook account and Facebook LIVE.

**STEP 3**
Set from LUMIX Sync to a camera

- Stream function ON
- Creative Video Mode

**STEP 4**
Spread the URL and start streaming

- Copy the stream URL
- Start live streaming

**STOPPING AND ENDING STREAMING**

- Stop live streaming
- End live streaming

*The blue frame indicator can be switched ON/OFF.*
Live streaming by operating the camera

Set the streaming destination with your PC and save onto an SD memory card. Insert the card into your camera and start live streaming by loading the streaming settings onto your camera.

**STEP 1**
Install the LUMIX Network Setting Software onto your PC

- Download the software and install it onto your PC.
- **PC software**
  - [LUMIX Network Setting Software](https://av.jpn.support.panasonic.com/support/global/cs/dsc/download/index3.html)
  - Supported OS (as of September 2021)
    - Windows: Windows 10
    - Mac: macOS 10.13, 10.14, 10.15.3-10.15.7, 11.0-11.2

**STEP 2**
Insert an SD card into your PC

- *Please use an SD memory card with free space.
- *If your PC does not have an SD memory card slot, use an SD card reader.

**STEP 2**
Obtain the streaming content settings from the platform

- Obtain the URL from the platform.
- **Login to your account.**
- Configure settings from the social streaming platform.
  - Set the privacy settings and date and time.
  - Set other details.
- **Copy the stream URL**
- **Copy the stream key**

**STEP 3**
Launch the LUMIX Network Setting Software

- Paste the stream URL and stream key that you copied.

*Here we will be explaining using the YouTube LIVE (YouTube Studio) settings as an example.*
Live streaming by operating the camera

Set the streaming destination with your PC and save onto an SD memory card. Insert the card into your camera and start live streaming by loading the streaming settings onto your camera.

- Characters that can be set in “File Name”: Alphabet (uppercase), numbers, up to 8 characters.
- To prevent usage from a third party, you can secure the streaming destination with a password.
  - Put a check mark in “Password”.
  - When you set a password, password input will be required when loading the streaming destination.
  - You can enter any 4-digit numbers as the password.

Export from the LUMIX Network Setting Software to the SD card

Insert the SD card into your camera and start settings

Load the streaming destination inside the SD card to your camera

Select “Streaming Setup” in the camera menu

Select “Save/Load Streaming Address” [Save]

Select “Load” [Load]

*When a password is set, enter the password to load.
Live streaming by operating the camera

Set the streaming destination with your PC and save onto an SD memory card. Insert the card into your camera and start live streaming by loading the streaming settings onto your camera.

**STEP 5**

Set the image quality

Select [ → → Wi-Fi → Streaming Setup → Streaming Quality] in the camera menu

**STEP 6**

Set the wireless access point

Select [ → → Wi-Fi → Streaming Setup → Wi-Fi Connection Setting → New Connection] [Select an access point (Wi-Fi), enter the password [encryption key] and connect wirelessly]
Live streaming by operating the camera

Set the streaming destination with your PC and save onto an SD memory card. Insert the card into your camera and start live streaming by loading the streaming settings onto your camera.

**STEP 7**
Set the streaming function ON

Choose [Wi-Fi] → [Streaming Setup] → [Streaming Function] → ON

Select [Wi-Fi] → Streaming Setup → Streaming Function → ON

[Turn the camera’s streaming function ON]

Press the shutter button or video rec button and start live streaming

**STEP 8**
Stopping and ending streaming

Press the shutter button or video rec button and stop live streaming

Choose [Wi-Fi] → [Streaming Setup] → [Streaming Function] → OFF

Select [Wi-Fi] → Streaming Setup → Streaming Function → OFF

[Select OFF to end live streaming]

Try using the schedule stream!

Here we will be explaining using the YouTube LIVE (YouTube Studio) settings on your PC as an example.

When enabled, you can automatically start streaming by starting it with your camera or LUMIX Sync. When disabled, the streaming will not start automatically with your camera or LUMIX Sync, and you must press the stream start button on the PC.

*With Facebook, press the streaming button on your PC and start.