#### SONY

### Remote Camera Tool

# Remote Camera Tool Setup Guide

\* The information contained in this document is for the combination with ILCE-9 system software Ver.6.0



- List of Network Environment Topologies
- [1] Camera⇔PC Direct Connection
- [2] Multiple Cameras⇔Network Hub⇔PC Connection
- [3] Multiple Cameras⇔Network Router⇔PC Connection
- FTP Settings
- Settings to Use a Fixed IP Address

## Remote Camera Lict of N

## List of Network Environment Topologies

	[1] Camera⇔PC Direct Connection	[2] Multiple Cameras⇔Network Hub⇔PC	[3] Multiple Cameras⇔Network Router⇔
		Connection	PC Connection
Schematic diagram			
Image save destination	PC	PC/FTP Server	PC/FTP Server
IP address	Static / Auto	Static / Auto	Static / DHCP
Transfer method	Wired LAN	Wired LAN	Wired LAN
Transfer while shooting	Yes	Yes	Yes
Transfer file format	RAW/JPEG	RAW/JPEG	RAW/JPEG

## Remote Chapter Chapter

## Step by Step Guide [1] Camera $\Leftrightarrow$ PC Direct Connection

	[1]	[2]	[3]
	Camera⇔PC Direct Connection	Multiple Cameras⇔Network Hub⇔PC	Multiple Cameras⇔Network Router⇔
		Connection	PC Connection
Schematic diagram			
Image save destination	PC	PC/FTP Server	PC/FTP Server
IP address	Static / Auto	Static / Auto	Static / DHCP
Transfer method	Wired LAN	Wired LAN	Wired LAN
Transfer while shooting	Yes	Yes	Yes
Transfer file format	RAW/JPEG	RAW/JPEG	RAW/JPEG

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## Step by Step Guide [1] Camera ⇔ PC Direct Connection

#### Step by Step Guide Overview

- ☐ Preparation 1: Things to prepare
  - Camera that supports Remote Camera Tool
  - Fthernet cable
  - PC on which Remote Camera Tool has been installed
- ☐ Preparation 2: PC settings
  - Disconnect all other network connections, including Wi-Fi.
  - Close all security/cloud synchronization software programs that are running on the PC.
- ☐ Preparation 3: IP address settings for the camera
  - From the camera's [MENU] button, go to [Network]→[Wired LAN Settings]→[IP Address Setting].
  - If [IP Address Setting] is accessible, set it to [Auto].

#### $\downarrow$ If [IP Address Setting] is grayed-out, do the following:

- Select [IP Address Setting] and see which menu item is "On" and interrupting.
- Turn off the menu item that is [On].
- Turn on [PC Remote (Wired LAN)].

- ☐ Preparation4: Enable PC Remote (Wired LAN) for the camera
  - From the camera's [MENU] button, go to [Network]→[PC Remote (Wired LAN)] and set it to [On].

#### ↓ If [PC Remote (Wired LAN)] is grayed out, do the following:

- Select [PC Remote (Wired LAN)] and see which menu item is "On" and interrupting.
- Turn off the menu item that is [On].
- Turn on [PC Remote (Wired LAN)].

## Step by Step Guide [1] Camera ⇔ PC Direct Connection

#### Step by Step Guide Overview

- ☐ Step 1: Connect the camera to PC with Ethernet cable
  - \* It takes about 30 seconds to 1 minute for the camera to recognize the network.
    - Open the live view and ensure that the text of the LAN icon is white.
      - $\downarrow$  If the **LAN** icon on the live view remains gray for more than 30 seconds, check the following:
      - Did you disconnect the PC from all other networks, including Wi-Fi?
      - Did you close all security/cloud synchronization software programs that were running on the PC?
      - Is the Ethernet⇔USB adapter connected properly?
      - Is the Ethernet cable connected properly?
      - Does the Ethernet terminal of the camera work properly?

#### ☐ Step 2: Start Remote Camera Tool

• Check that a window to select devices appears.

↓ If a window to select devices does not appear, check the following:

Has the OS been updated to its latest version?

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## Step by Step Guide [1] Camera ⇔ PC Direct Connection

#### Step by Step Guide Overview

#### □ Step 3: Press the [Refresh] button on the device selection window □ Step 4: Double-click the [Camera Name] field of the camera you

• Check that information about the camera appears in the camera list.

#### ↓ If information about the camera does not appear by pressing the [Refresh] button, check the following:

- Did you disconnect the PC from all other networks, including Wi-Fi?
- Did you close all security/cloud synchronization software programs that were running on the PC?
- Is the Ethernet⇔USB adapter connected properly?
- Is the Ethernet cable connected properly?
- Does the Ethernet terminal of the camera work properly?
- Go to the camera's [MENU]→[Network]→[Wired LAN Settings]→[Display Wired LAN Info.]. Is the IP address displayed?
- Enter the camera's IP address in the IP address field of the device selection window and press [IP Connect].
  - Check that information about the camera appears in the camera list.

## want to access

• A window to control the camera appears with a live view and model information



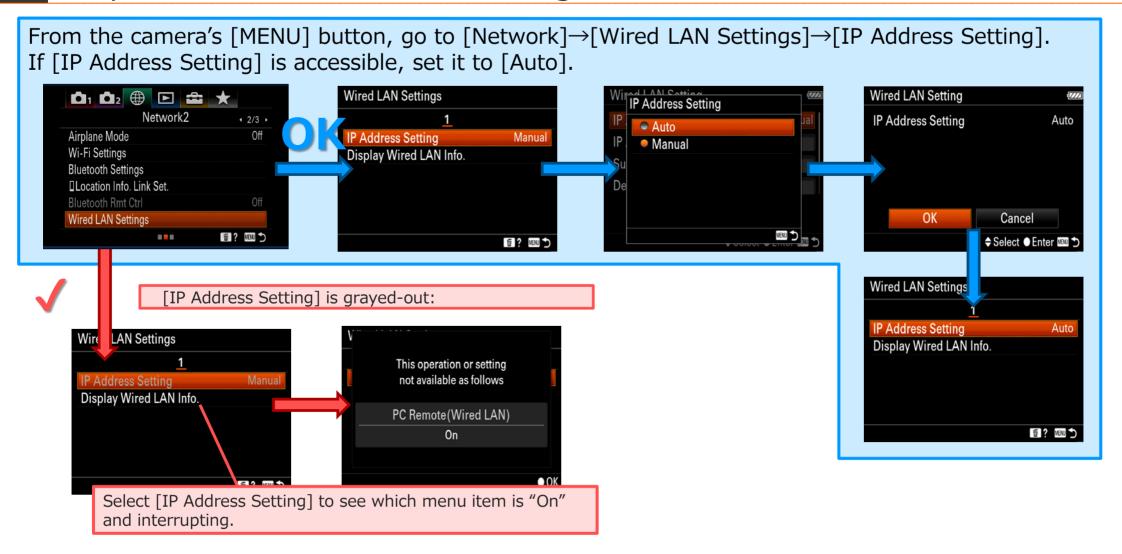
## Camera Tool Preparation 1: Things to prepare

- Camera that supports Remote Camera Tool
- Ethernet cable
  - If your PC is not equipped with an Ethernet port, you need to use a USB-to-Ethernet adapter (available at stores).
- PC on which Remote Camera Tool has been installed

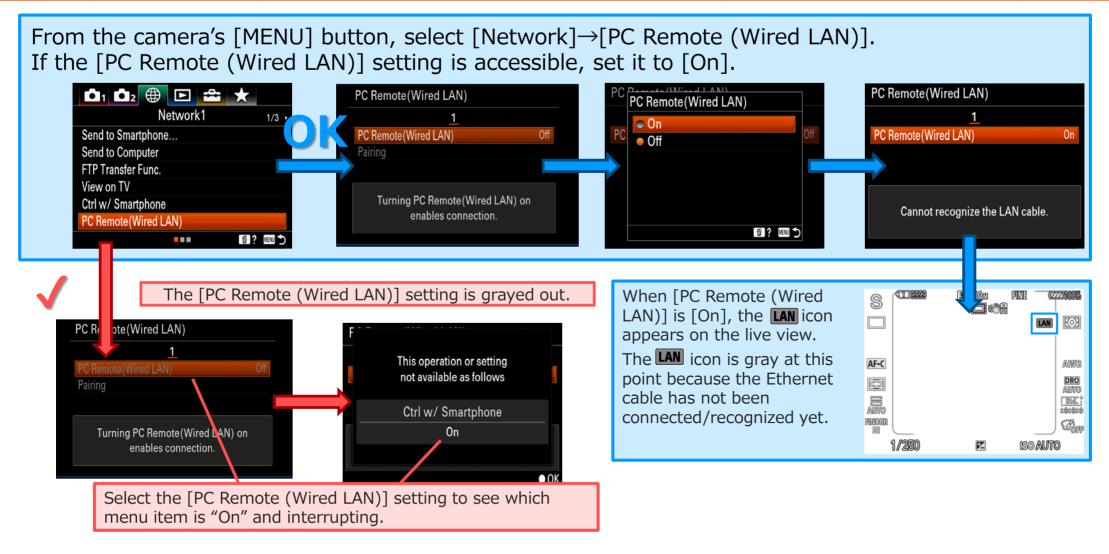
## Camera Tool Preparation 2: PC settings

- 1. If the PC is connected to other networks, including Wi-Fi, disconnect them in advance.
- 2. If any security/cloud synchronization software programs are running on the PC, close them in advance.

## Preparation 3: IP address settings for the camera

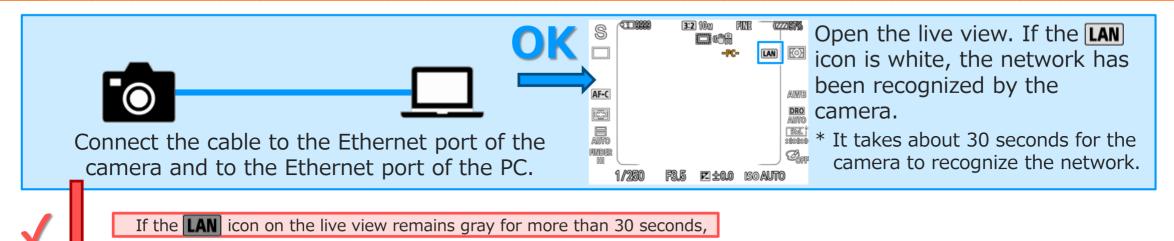


## Preparation 4: Enable PC Remote (Wired LAN) for the camera





### Step 1: Connect the camera to PC with Ethernet cable.



### check the following:

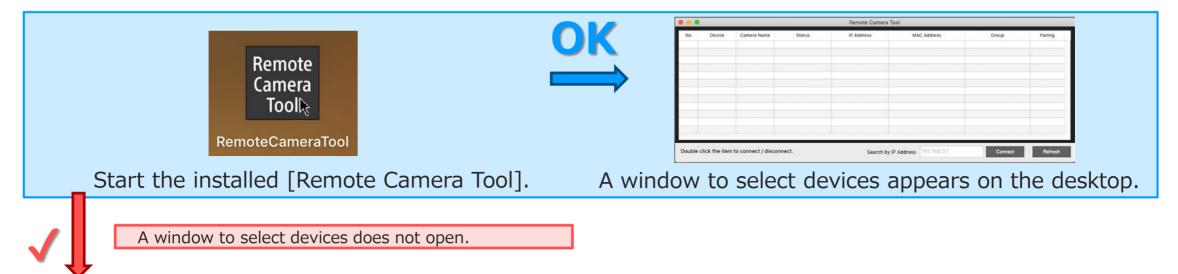
- Did you disconnect the PC from all other networks, including Wi-Fi?
- Did you close all security/cloud synchronization software programs that were running on the PC?
- Is the Ethernet⇔USB adapter connected properly?
- Is the Ethernet cable connected properly?
- Does the Ethernet terminal of the camera work properly?

- Does the ping command run successfully?
- Does the color of the LAN icon change once it is connected to a router?



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## Step 2: Start Remote Camera Tool



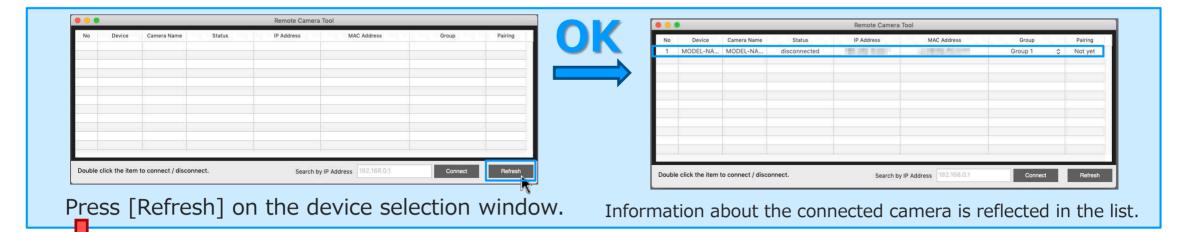
### check the following:

• Has the OS been updated to its latest version?



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### Step 3: Press the [Refresh] button on the device selection window.



Information about the camera is not reflected in the list.

#### Check the following:

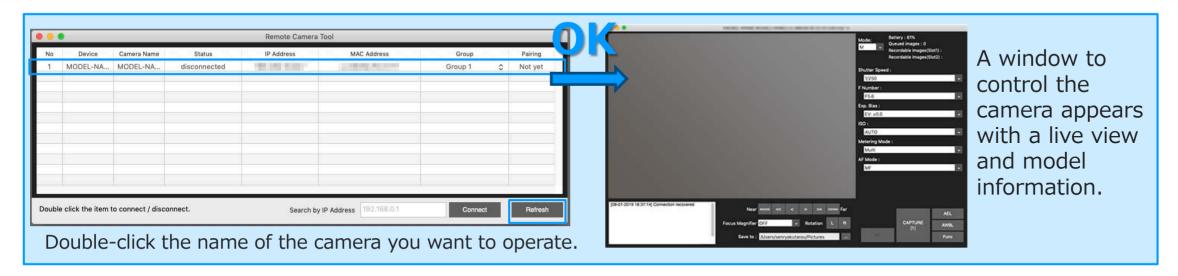
- Did you disconnect the PC from all other networks, including Wi-Fi?
- Did you close all security/cloud synchronization software programs that were running on the PC?
- Is the Ethernet⇔USB adapter connected properly?
- Is the Ethernet cable connected properly?
- Does the Ethernet terminal of the camera work properly?
- Go to the camera's [MENU]→[Network]→[Wired LAN Settings]→[Display Wired LAN Info.]. Is the IP address

- displayed?
- Enter the camera's IP address in the IP address field of the device selection window and press [IP Connect].
- Check that information about the camera appears in the camera list.



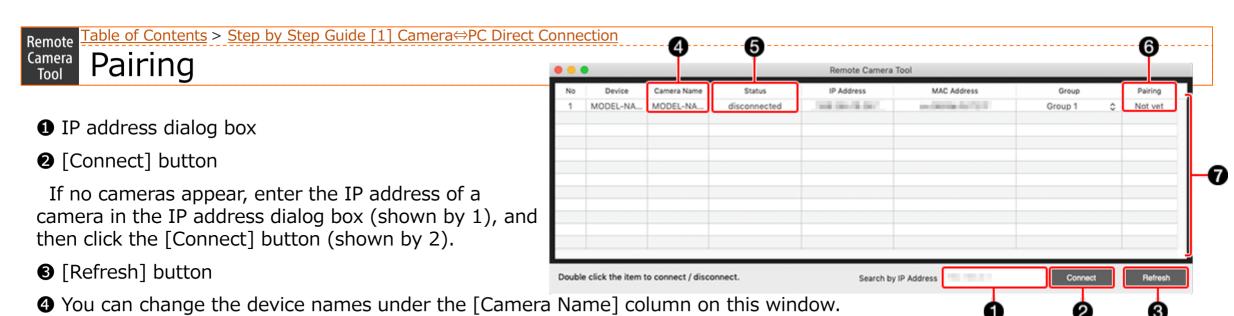
Remote Table of Contents > Step by Step Guide [1] Camera⇔PC Direct Connection

### Step 4: Double-click the [Camera Name] of the camera you want to access.



#### © Remote Camera Tool Ver.2.0

Pairing is required when connecting. Please refer to page 16, 17 for details.



Note, however, that the name you changed on this window is effective only for Remote Camera Tool. The name of the camera displayed on the [Edit Device Name] menu will not change.

**6** Indicates camera status

connected: The camera is connected.

disconnected: The camera is disconnected.

6 Paring

Done: Pairing is complete. Double-click to connect.

Not yet: Pairing is incomplete. Double-click to open the pairing screen (refer to "How to pair" below for further instructions).

- (dash): No pairing is required. Double-click to connect.

**7** A list of connected camera(s) will appear.

\* Disconnecting the camera

To disconnect the cameras one by one, double click the camera selected in the "Device selection window".

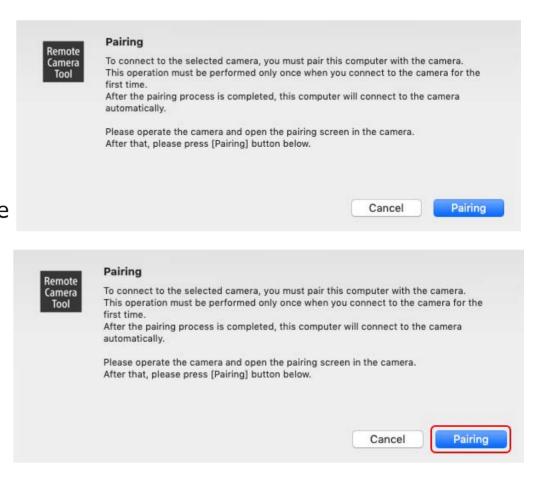
To disconnect all cameras at once, close the "Camera control window".

#### How to pair

To ensure better security, Remote Camera Tool Ver.2.0 and later requires pairing between the camera and computer before use. Pairing is only required on the first connection.

- 1. ■: Double-click the device indicated as "Not yet." The screen below will be displayed.
- 2.  $\bullet$ : On the camera, select MENU  $\rightarrow$  (Network)  $\rightarrow$  [PC Remote Function]  $\rightarrow$  [Pairing] to display the pairing standby screen.
- 3.  $\blacksquare$ : [Select [Pairing].
- 4. : On the camera's pairing screen, select [OK].
- 5. **\(\infty\)**: Turn the power switch of the camera to OFF.

Once you have turned the power switch to OFF, the pairing information will be saved on the camera. Wait for 10 seconds or longer before turning the switch to ON.



#### Displaying camera operation screen

When you double click a camera to operate, the "Camera control window" will appear, enabling you to perform various operations.

Do not operate the buttons or dials on the camera while operating the camera using the Camera control window.

## Remote Camera Stop by

## Step by Step Guide [2] Multiple Cameras⇔Network Hub⇔PC Connection

	[1]	[2]	[3]
	Camera⇔PC Direct Connection	Multiple Cameras⇔Network Hub⇔PC	Multiple Cameras⇔Network Router⇔
		Connection	PC Connection
Schematic diagram			
Image save destination	PC	PC/FTP Server	PC/FTP Server
IP address	Static / Auto	Static / Auto	Static / DHCP
Transfer method	Wired LAN	Wired LAN	Wired LAN
Transfer while shooting	Yes	Yes	Yes
Transfer file format	RAW/JPEG	RAW/JPEG	RAW/JPEG

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### Step by Step Guide [2] Multiple Cameras⇔Network Hub⇔PC Connection

#### Step by Step Guide Overview

#### ☐ Preparation 1: Things to prepare

- Camera that supports Remote Camera Tool
- Fthernet cable
- PC on which Remote Camera Tool has been installed
- Network hub

#### ☐ Preparation 2: PC settings

- Disconnect all other network connections, including Wi-Fi.
- Close all security/cloud synchronization software programs that are running on the PC.

#### ☐ Preparation 3: IP address settings for the camera

- From the camera's [MENU] button, go to [Network]→[Wired LAN Settings]→[IP Address Setting].
- If [IP Address Setting] is accessible, set it to [Auto].

#### $\downarrow$ If [IP Address Setting] is grayed-out, do the following:

- Select [IP Address Setting] and see which menu item is "On" and interrupting.
- Turn off the menu item that is [On].
- Turn on [PC Remote (Wired LAN)].

#### ☐ Preparation4: Enable PC Remote (Wired LAN) for the camera

 From the camera's [MENU] button, go to [Network]→[PC Remote (Wired LAN)] and set it to [On].

#### ↓ If [PC Remote (Wired LAN)] is grayed out, do the following:

- Select [PC Remote (Wired LAN)] and see which menu item is "On" and interrupting.
- Turn off the menu item that is [On].
- Turn on [PC Remote (Wired LAN)].

### Step by Step Guide [2] Multiple Cameras⇔Network Hub⇔PC Connection

#### Step by Step Guide Overview

- □ Step 1: Connect the cameras, PC, and network hub with □ Step 2: Start Remote Camera Tool the Ethernet cables
  - \* It takes about 30 seconds to 1 minute for the camera to recognize the network.
    - Open the live view and ensure that the text of the **LAN** icon is white.

 $\downarrow$  If the LAN icon on the live view remains gray for more than 30 seconds, check the following:

- Check the PC settings.
  - Did you disconnect the PC from all other networks, including Wi-Fi?
  - Did you close all security/cloud synchronization software programs that were running on the PC?
- Check the state of each Ethernet cable.
  - Is the Ethernet cable connected properly?
  - Is the Ethernet⇔USB adapter connected properly?
    - Does the access lamp go on/flash when the PC and network hub are connected directly?

• Check that a window to select devices appears.

↓ If a window to select devices does not appear, check the following:

Has the OS been updated to its latest version?

### Step by Step Guide [2] Multiple Cameras⇔Network Hub⇔PC Connection

#### Step by Step Guide Overview

#### ☐ Step 3: Press the [Refresh] button on the device selection window

• Check that information about the camera appears in the camera list.

#### $\downarrow$ If information about the camera does not appear by

#### pressing the [Refresh] button, check the following:

- Check the PC settings.
  - Did you disconnect the PC from all other networks, including Wi-Fi?
  - Did you close all security/cloud synchronization software programs that were running on the PC?
- Check the state of each Ethernet cable.
  - Is the Ethernet cable connected properly?
  - Is the Ethernet⇔USB adapter connected properly?
    - Does the access lamp go on/flash when the PC and network hub are connected directly?
- Check the status of the Ethernet terminal of each camera.
  - Does the color of the LAN icon change once the camera is connected to the router directly?
  - Does the color of the LAN icon change 30 seconds after the camera and PC are connected directly?

- Check the settings of the camera.
  - Go to the camera's [MENU]→[Network]→[Wired LAN Settings]→[Display Wired LAN Info.]. Is the IP address displayed?
  - Enter the camera's IP address in the IP address field of the device selection window and press [IP Connect].
    - Check that information about the camera appears in the camera list.

# □ Step 4: Double-click the [Camera Name] field of the camera you want to access

 A window to control the camera appears with a live view and model information.



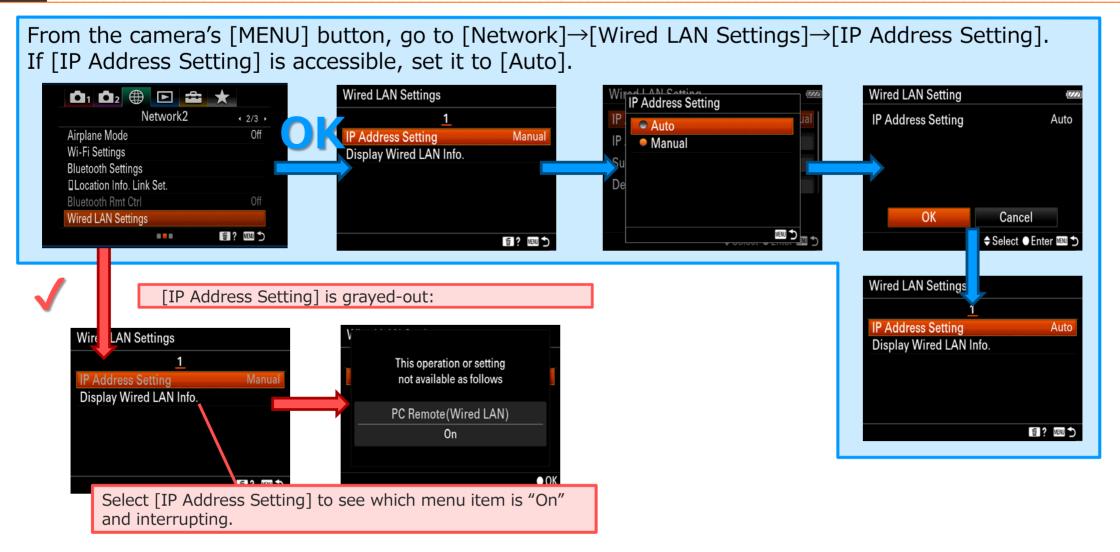
## Preparation 1: Things to prepare

- Camera that supports Remote Camera Tool
- Ethernet cable
  - If your PC is not equipped with an Ethernet port, you need to use a USB-to-Ethernet adapter (available at stores).
- PC on which Remote Camera Tool has been installed
- Network hub

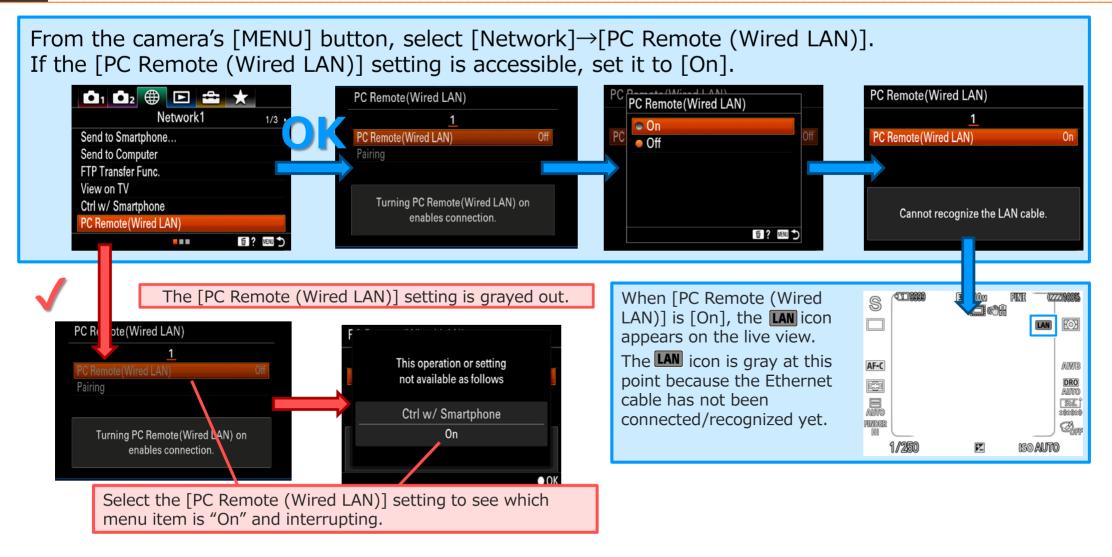
## Camera Preparation 2: PC settings

- 1. If the PC is connected to other networks, including Wi-Fi, disconnect them in advance.
- 2. If any security/cloud synchronization software programs are running on the PC, close them in advance.

## Preparation 3: IP address settings for the camera

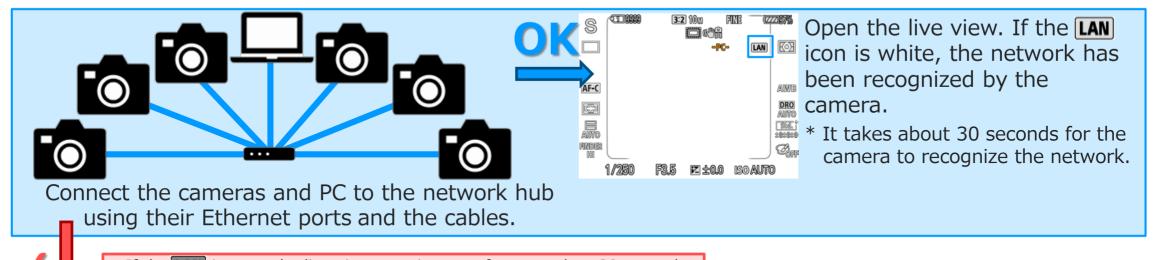


## Preparation 4: Enable PC Remote (Wired LAN) for the camera





#### Step 1: Connect the cameras, PC, and network hub with the Ethernet cables.



If the LAN icon on the live view remains gray for more than 30 seconds,

#### Check the following:

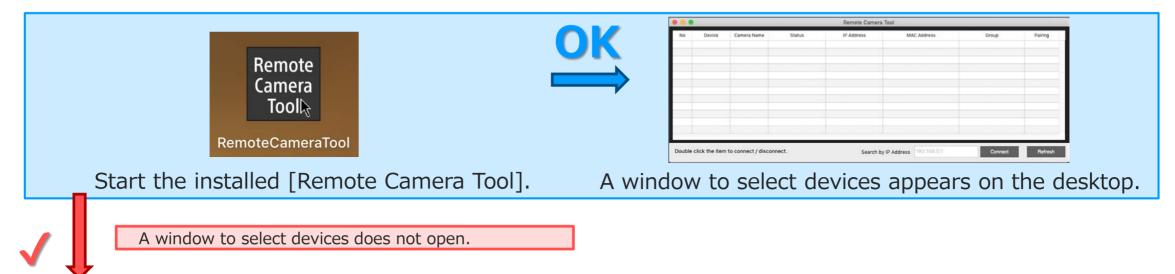
- Did you disconnect the PC from all other networks, including Wi-Fi?
- Did you close all security/cloud synchronization software programs that were running on the PC?
- Is the Ethernet⇔USB adapter connected properly?
- Is the Ethernet cable connected properly?

- Does the Ethernet terminal of the camera work properly?
  - Does the ping command run successfully?
  - Does the color of the LAN icon change once it is connected to a router?



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## Step 2: Start Remote Camera Tool



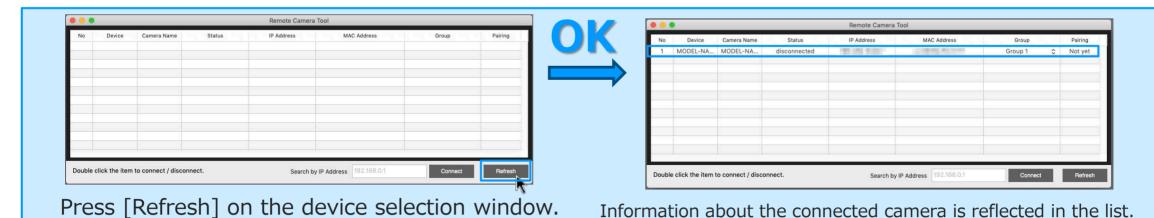
### Check the following:

• Has the OS been updated to its latest version?



Table of Contents > Step by Step Guide [2] Multiple Cameras⇔Network Hub⇔PC Connection

### Step 3: Press the [Refresh] button on the device selection window.



Information about the camera is not reflected in the list.

#### Check the following:

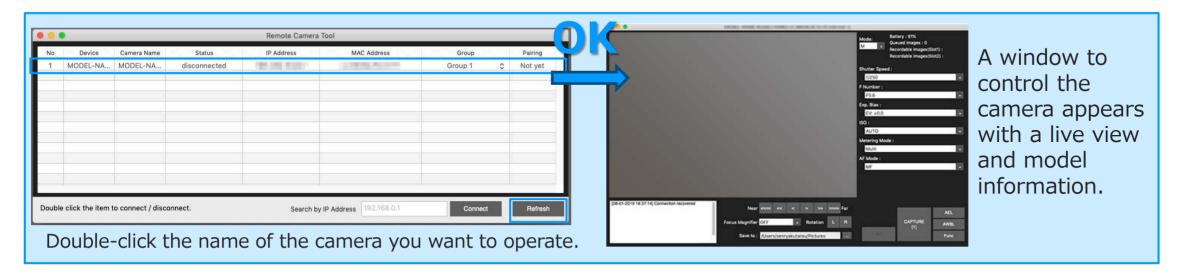
- Check the PC settings.
  - Did you disconnect the PC from all other networks, including Wi-Fi?
  - Did you close all security/cloud synchronization software programs that were running on the PC?
- Check the state of each Ethernet cable.
  - Is the Ethernet cable connected properly?
  - Is the Ethernet⇔USB adapter connected properly?
    - Does the access lamp go on/flash when the PC and network hub are connected directly?

- Check the status of the Ethernet terminal of each camera.
  - Does the color of the LAN icon change once the camera is connected to the router directly?
  - Does the color of the LAN icon change 30 seconds after the camera and PC are connected directly?
  - Does the ping command run successfully?
- Check the settings of the camera.
  - Go to the camera's [MENU]→[Network]→[Wired LAN Settings]→[Display Wired LAN Info.]. Is the IP address displayed?
  - Enter the camera's IP address in the IP address field of the device selection window and press [IP Connect].
  - Check that information about the camera appears in the camera list.



Table of Contents > Step by Step Guide [2] Multiple Cameras⇔Network Hub⇔PC Connection

### Step 4: Double-click the [Camera Name] of the camera you want to access.



#### © Remote Camera Tool Ver.2.0

Pairing is required when connecting. Please refer to page 16, 17 for details.

## Remote Camera Ctop by

## Camera Step by Step Guide [3] Multiple Cameras⇔Router⇔PC Connection

	[1]	[2]	[3]
	Camera⇔PC Direct Connection	Multiple Cameras⇔Network Hub⇔PC	Multiple Cameras⇔Network Router⇔
		Connection	PC Connection
Schematic diagram			
Image save destination	PC	PC/FTP Server	PC/FTP Server
IP address	Static / Auto	Static / Auto	Static / DHCP
Transfer method	Wired LAN	Wired LAN	Wired LAN
Transfer while shooting	Yes	Yes	Yes
Transfer file format	RAW/JPEG	RAW/JPEG	RAW/JPEG

## Step by Step Guide [3] Multiple Cameras⇔Router⇔PC Connection

#### Step by Step Guide Overview

#### ☐ Preparation 1: Things to prepare

- Camera that supports Remote Camera Tool
- Ethernet cable
- PC on which Remote Camera Tool has been installed
- Network hub

#### ☐ Preparation 2: PC settings

- Disconnect all other network connections, including Wi-Fi.
- Close all security/cloud synchronization software programs that are running on the PC.

#### ☐ Preparation 3: Router settings

- Access the control menu of the router.
- Enable the DHCP server function.

#### □ Preparation 4: IP address settings for the camera

- From the camera's [MENU] button, go to [Network]→[Wired LAN Settings]→[IP Address Setting].
- If [IP Address Setting] is accessible, set it to [Auto].

## ↓ If [IP Address Setting] is grayed-out, do the following:

- Select [IP Address Setting] and see which menu item is "On" and interrupting.
- Turn off the menu item that is [On].
- Turn on [PC Remote (Wired LAN)].

# □ Preparation 5: Enable PC Remote (wired LAN) for the camera

 From the camera's [MENU] button, go to [Network]→[PC Remote (Wired LAN)] and set it to [On].

## ↓ If [PC Remote (Wired LAN)] is grayed out, do the following:

- Select [PC Remote (Wired LAN)] and see which menu item is "On" and interrupting.
- Turn off the menu item that is [On].
- Turn on [PC Remote (Wired LAN)].

## Camera Tool Step by Step Guide [3] Multiple Cameras⇔Router⇔PC Connection

#### Step by Step Guide Overview

- ☐ Step 1: Connect the cameras, PC, and network hub with the Ethernet cables☐ Step 2: Start Remote Camera Tool
  - \* It takes about 30 seconds to 1 minute for the camera to recognize the network.
    - Open the live view and ensure that the text of the LAN icon is white.

#### $\downarrow$ If the **LAN** icon on the live view remains gray for more than 30 seconds, check the following:

- · Check the PC settings.
  - Did you disconnect the PC from all other networks, including Wi-Fi?
  - Did vou close all security/cloud synchronization software programs that were running on the PC?
- Check the state of each Ethernet cable.
  - Is the Ethernet cable connected properly?
  - Is the Ethernet⇔USB adapter connected properly?
    - Does the access lamp go on/flash when the PC and network hub are connected directly?
- Check the status of the Ethernet terminal of each camera.
  - Does the color of the **LAN** icon change once the camera is connected to the router directly?
  - Does the ping command run successfully?

• Check that a window to select devices appears.

#### ↓ If a window to select devices does not appear. check the following:

Has the OS been updated to its latest version?

## Step by Step Guide [3] Multiple Cameras⇔Router⇔PC Connection

#### Step by Step Guide Overview

- ☐ Step 3: Press the [Refresh] button on the device selection window
  - Check that information about the camera appears in the camera list.

## ↓ If information about the camera does not appear by pressing the [Refresh] button, check the following:

- Check the PC settings.
  - Did you disconnect the PC from all other networks, including Wi-Fi?
  - Did you close all security/cloud synchronization software programs that were running on the PC?
- Check the state of each Ethernet cable.
  - Is the Ethernet cable connected properly?
  - Is the Ethernet⇔USB adapter connected properly?
    - Does the access lamp go on/flash when the PC and network hub are connected directly?
- Check the status of the Ethernet terminal of each camera.
  - Does the color of the **LAN** icon change once the camera is connected to the router directly?
  - Does the ping command run successfully?
- Check the settings of the camera.

- Go to the camera's [MENU]→[Network]→[Wired LAN Settings]→[Display Wired LAN Info.]. Is the IP address displayed?
- Enter the camera's IP address in the IP address field of the device selection window and press [IP Connect].
  - Check that information about the camera appears in the camera list.
- □ Step 4: Double-click the [Camera Name] field of the camera you want to access
  - A window to control the camera appears with a live view and model information.



## Camera Tool Preparation 1: Things to prepare

- Camera that supports Remote Camera Tool
- Ethernet cable
  - If your PC is not equipped with an Ethernet port, you need to use a USB-to-Ethernet adapter (available at stores).
- PC on which Remote Camera Tool has been installed
- Router

## Camera Tool Preparation 2: PC settings

- 1. If the PC is connected to other networks, including Wi-Fi, disconnect them in advance.
- 2. If any security/cloud synchronization software programs are running on the PC, close them in advance.



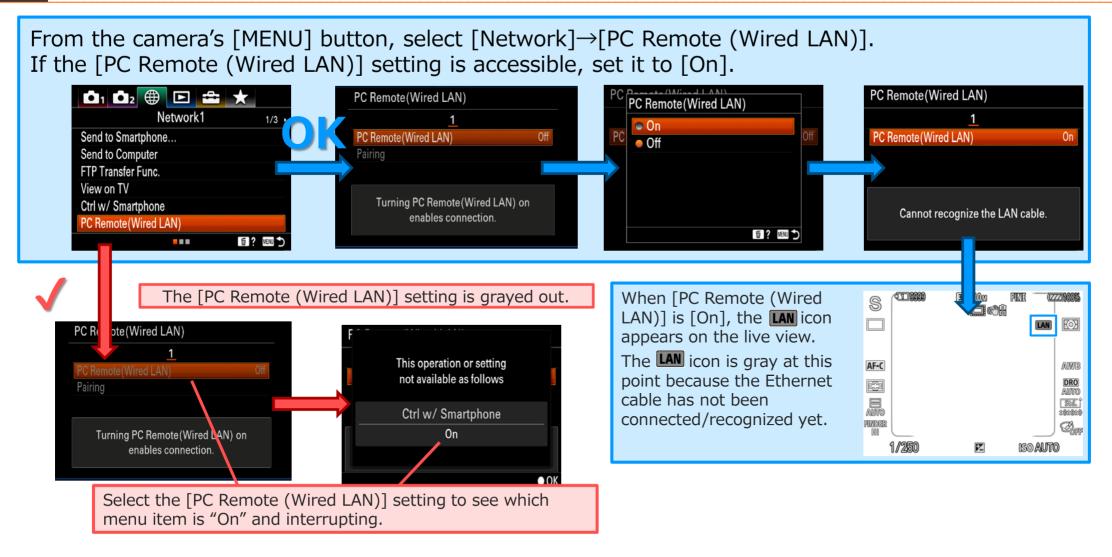
## Camera Tool Preparation 3: Router settings

- 1. Access the control menu of the router.
- 2. Enable the DHCP server function.

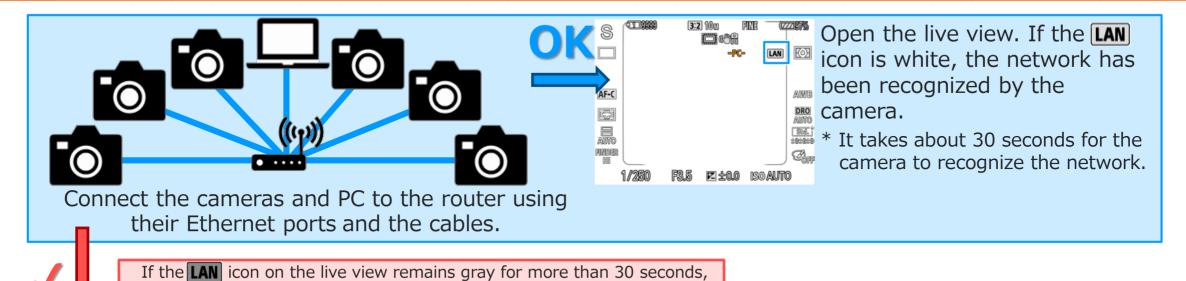
# Preparation 4: IP address settings for the camera

From the camera's [MENU] button, go to [Network] $\rightarrow$ [Wired LAN Settings] $\rightarrow$ [IP Address Setting]. If [IP Address Setting] is accessible, set it to [Auto]. IP Address Setting Wired LAN Settings Wired LAN Setting Network2 IP Address Setting 4 2/3 → Auto Airplane Mode IP Address Setting Manua Manual Wi-Fi Settings Display Wired LAN Info. Bluetooth Settings DLocation Info. Link Set. Bluetooth Rmt Ctr OK Cancel Wired LAN Settings MBNJ 🗢 🊃 . 市? MENU 🖜 ਓ ? MENU ੈ ♦ Select ● Enter Well ↑ Wired LAN Settings [IP Address Setting] is grayed-out: IP Address Setting LAN Settings Display Wired LAN Info. This operation or setting not available as follows IP Address Setting Display Wired LAN Info. PC Remote(Wired LAN) 盲? MENU → Select [IP Address Setting] to see which menu item is "On" and interrupting.

# Preparation 5: Enable PC Remote (Wired LAN) for the camera



### Camera Step 1: Connect the cameras, PC, and network hub with the Ethernet cables.



### Check the following:

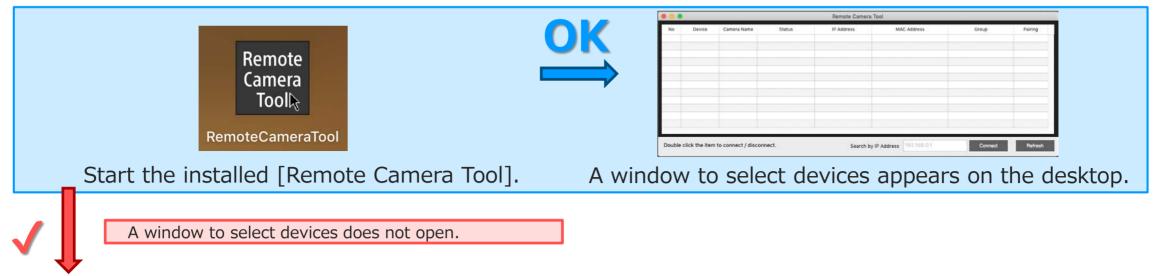
- Did you disconnect the PC from all other networks, including Wi-Fi?
- Did you close all security/cloud synchronization software programs that were running on the PC?
- Is the Ethernet⇔USB adapter connected properly?
- Is the Ethernet cable connected properly?

- Does the Ethernet terminal of the camera work properly?
  - Does the ping command run successfully?
  - Does the color of the LAN icon change once it is connected to a router?



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## Step 2: Start Remote Camera Tool



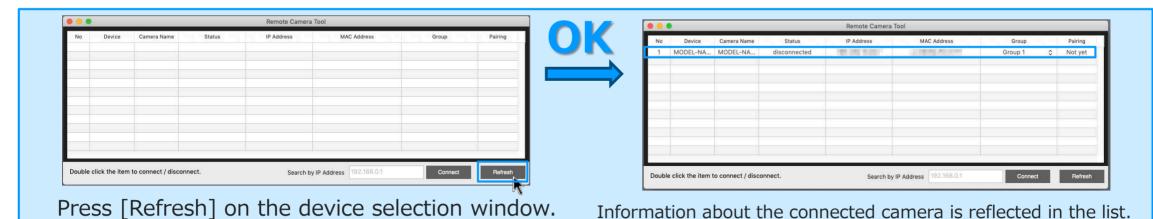
### Check the following:

• Has the OS been updated to its latest version?



Table of Contents > Step by Step Guide [3] Multiple Cameras⇔Router⇔PC Connection

## Step 3: Press the [Refresh] button on the device selection window.





Information about the camera is not reflected in the list.

#### Check the following:

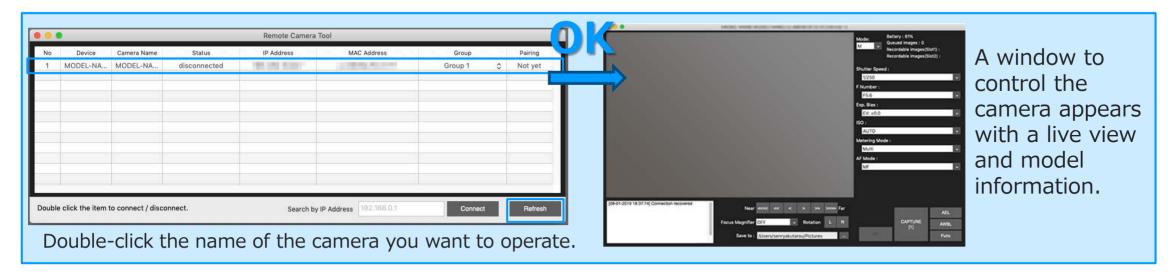
- · Check the PC settings.
  - Did you disconnect the PC from all other networks, including Wi-Fi?
  - Did you close all security/cloud synchronization software programs that were running on the PC?
- Check the state of each Ethernet cable.
  - Is the Ethernet cable connected properly?
  - Is the Ethernet⇔USB adapter connected properly?
    - Does the access lamp go on/flash when the PC and network hub are connected directly?

- · Check the status of the Ethernet terminal of each camera.
  - Does the color of the LAN icon change once the camera is connected to the router directly?
  - Does the color of the LAN icon change 30 seconds after the camera and PC are connected directly?
  - Does the ping command run successfully?
- Check the settings of the camera.
  - Go to the camera's [MENU]→[Network]→[Wired LAN Settings]→[Display Wired LAN Info.]. Is the IP address displayed?
  - Enter the camera's IP address in the IP address field of the device selection window and press [IP Connect].
  - Check that information about the camera appears in the camera list.



Table of Contents > Step by Step Guide [3] Multiple Cameras⇔Router⇔PC Connection

## Step 4: Double-click the [Camera Name] of the camera you want to access.



#### © Remote Camera Tool Ver.2.0

Pairing is required when connecting. Please refer to page 16, 17 for details.

# Step by Step Guide 4. FTP Server Settings for PC Connection

#### Step by Step Guide Overview

\* From here, the fields for settings are left blank. Please use them to write down your own settings, etc.

#### ☐ Preparation 1: Register FTP server information to the camera

- Go to [MENU]→[Network]→[FTP Transfer Func.]→[Server Setting]→[Server ].
- Select [Display Name] and enter the display name [ ].
- Select [Destination Settings] and enter the following settings:

Host Name:

Secure Protocol: [On] or [Off]

Root Certificate Error: [Not connect] or [Connect]

Port Number:

• Select [Directory Settings] and enter the following settings:

Specify Directory:

Directory Hierarchy: [Standard] or [Same as camera]

Same File Name: [Overwrite] or [Not overwrite]

• Select [User Info Settings] and enter the settings provided on the right.

<u>User:</u>

Password:

• Select [OK].

#### ☐ Preparation 2: Enable the FTP connection to the camera

- Go to [MENU]→[Network]→[FTP Transfer Func.]→[FTP Connect Method] and select [Wired LAN].
- Select [FTP Function] and then select [On].

#### ↓ If FTP connection fails, see the error message

#### and check the following:

[Failed to establish a connection to the FTP server. Please check the FTP server settings.]

- Are the settings for the FTP server correct?
   [Cannot recognize the LAN cable. Trying to establish a connection again.]
- Is the camera connected to the network?
   [Failed to obtain the IP address. Please check the DNS server settings or destination settings.]
  - Are the destination settings correct?
  - Is the DNS server working properly?
  - If the FTP server is located outside the LAN network, is the network connected to the Internet?

# Step by Step Guide 4. FTP Server Settings for PC Connection

#### Step by Step Guide Overview

#### ☐ <u>Transfer multiple images at once</u>

- Go to [MENU]→[Playback]→[Select Playback Media] and select a slot you want to transfer images from.
- Select [MENU]→[Network]→[FTP Transfer].

#### $\downarrow$ If [FTP Transfer] is not accessible, check the following:

- Is an SD card inserted in the selected slot?
- Can the inserted SD card be read by other devices without any error?
- Specify which types of images you want to transfer using FTP and select [OK].

```
Target Group

[This media]

[This date]* for the date view

[This folder]* for the folder view

Target Image

[All]

[Protected]

Transfer Status

[All]

[Only Non-transfer]

[Only Failed]

• Select [OK].
```

#### ↓ If FTP server connection fails, see the error message and check the following:

[Failed to establish a connection to the FTP server. Please check the FTP server settings.]

- Are the settings for the FTP server correct?
   [Cannot recognize the LAN cable. Trying to establish a connection again.]
- Is the camera connected to the network? [Failed to obtain the IP address. Please check the DNS server settings or destination settings.]
  - Are the destination settings correct?
  - Is the DNS server working properly?
  - If the FTP server is located outside the LAN network, is the network connected to the Internet?

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# Step by Step Guide 4. FTP Server Settings for PC Connection

### Step by Step Guide Overview

#### ☐ Transfer images automatically as you shoot

- Go to [MENU]→[Network]→[FTP Transfer Func.]→[Auto Trans When Shot] and select [On].
- Shoot a photo

# ↓ If FTP server connection fails, see the error message and check the following:

[Failed to establish a connection to the FTP server. Please check the FTP server settings.]

- Are the settings for the FTP server correct?
   [Cannot recognize the LAN cable. Trying to establish a connection again.]
- Is the camera connected to the network?
   [Failed to obtain the IP address. Please check the DNS server settings or destination settings.]
  - Are the destination settings correct?
  - Is the DNS server working properly?
  - If the FTP server is located outside the LAN network, is the network connected to the Internet?

#### ☐ Transfer an image that is being played back

- Display an image you want to transfer and press the key that is assigned to [FTP Transfer (1 img.)].

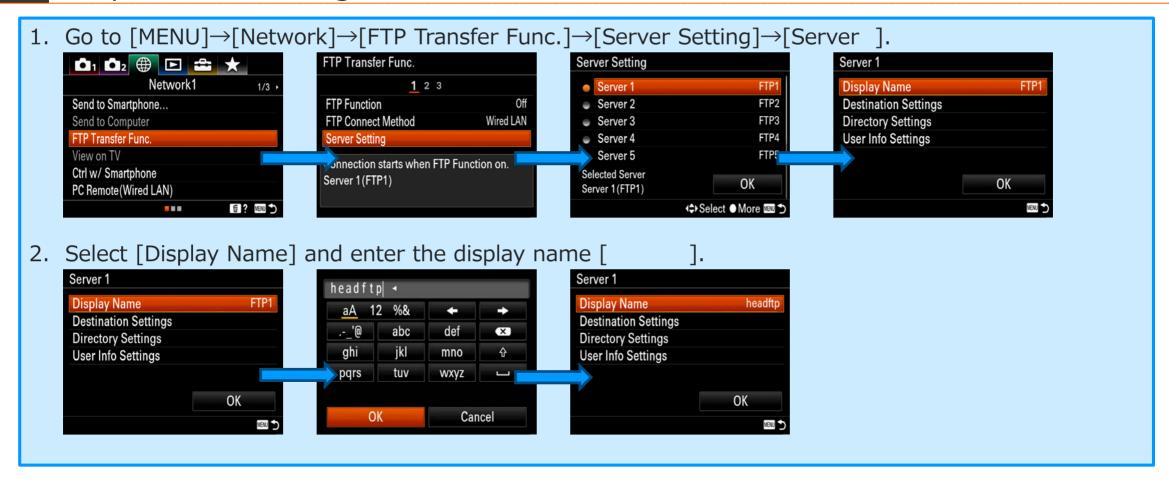
↓ If FTP server connection fails, go to [MENU]→[Network]
 →[FTP Transfer Func.] to see the error message
 and check the following:

[Failed to establish a connection to the FTP server. Please check the FTP server settings.]

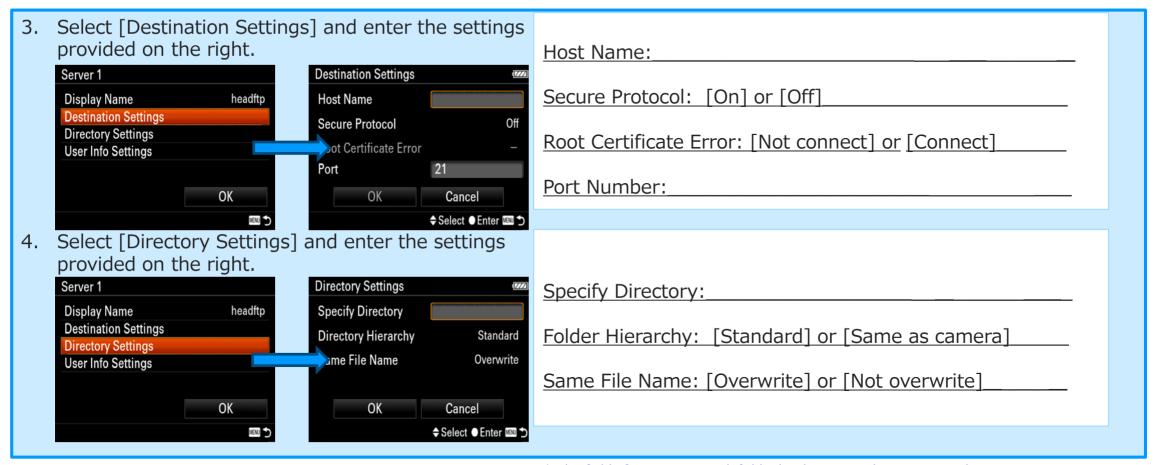
- Are the settings for the FTP server correct?
   [Cannot recognize the LAN cable. Trying to establish a connection again.]
- Is the camera connected to the network? [Failed to obtain the IP address. Please check the DNS server settings or destination settings.]
  - Are the destination settings correct?
  - Is the DNS server working properly?
  - If the FTP server is located outside the LAN network, is the network connected to the Internet?



## Preparation 1: Register FTP server information to the camera

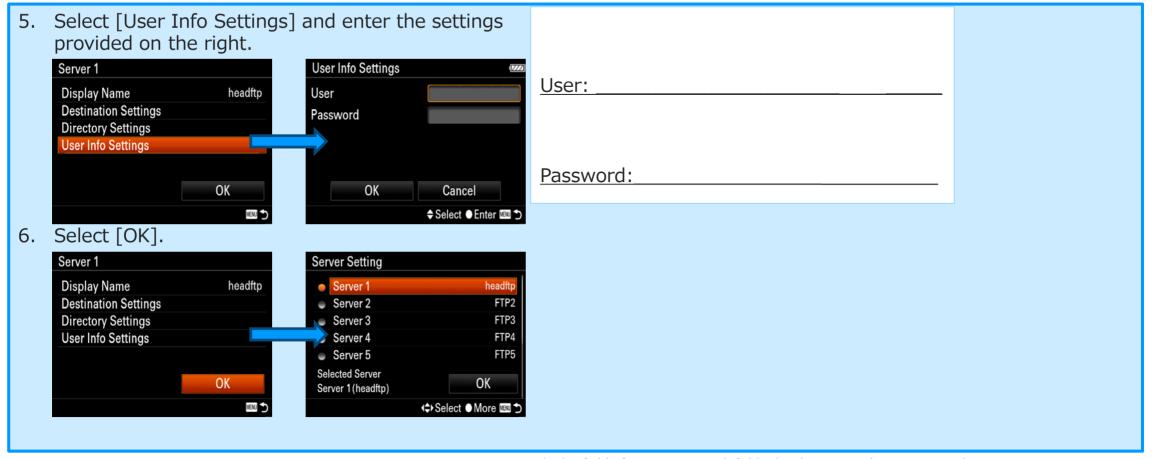


# Preparation 1: Register FTP server information to the camera



<sup>\*</sup> The fields for settings are left blank. Please use them to write down your own settings, etc.

# Preparation 1: Register FTP server information to the camera



<sup>\*</sup> The fields for settings are left blank. Please use them to write down your own settings, etc.



## Preparation 2: Enable the FTP connection to the camera

1. Go to [MENU]→[Network]→[FTP Transfer Func.]
→[FTP Connect Method] and select [Wired LAN].



Try the following depending on the error message you receive:

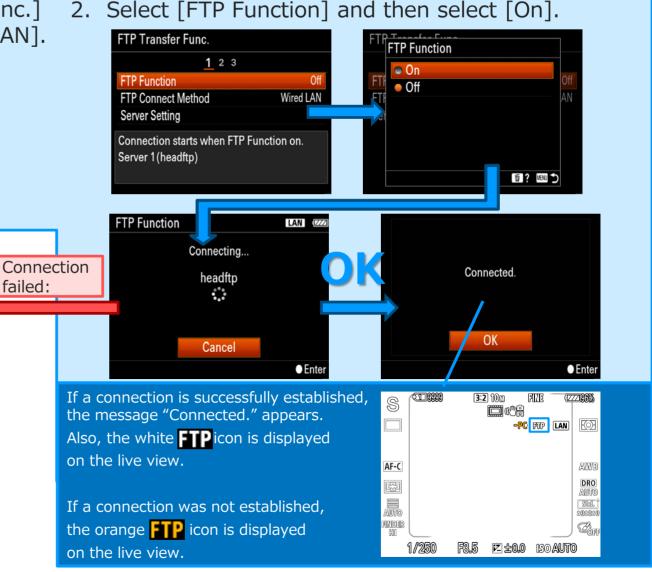
[Failed to establish a connection to the FTP server. Please check the FTP server settings.]

• Are the settings for the FTP server correct?

[Cannot recognize the LAN cable. Trying to establish a connection again.]

• Is the camera connected to the network?

- Are the destination settings correct?
- Is the DNS server working properly?
- If the FTP server is located outside the LAN network, is the network connected to the Internet?



Tool

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## Transfer multiple images at once

1. Go to [MENU]→[Playback]→[Select Playback Media] and select a slot you want to transfer images from.

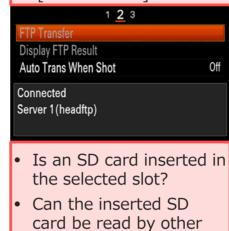


2. Go to [MENU] $\rightarrow$ [Network] $\rightarrow$ [FTP Transfer Func.]  $\rightarrow$ [FTP Transfer].





[FTP Transfer] is not accessible.

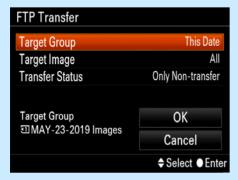


devices without any

error?

## Transfer multiple images at once

3. Specify which types of images you want to transfer using FTP and select [OK].



Target Group

[This media]

[This date]\* for the date view

[This folder]\* for the folder view

Target Image

[All]

[Protected]

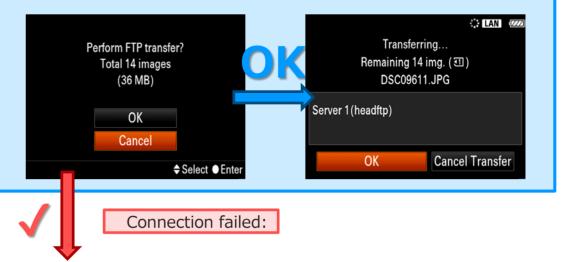
Transfer Status

[All]

[Only Non-transfer]

[Only Failed]

4. Select [OK].



Try the following depending on the error message you receive:

[Failed to establish a connection to the FTP server. Please check the FTP server settings.]

• Are the settings for the FTP server correct?

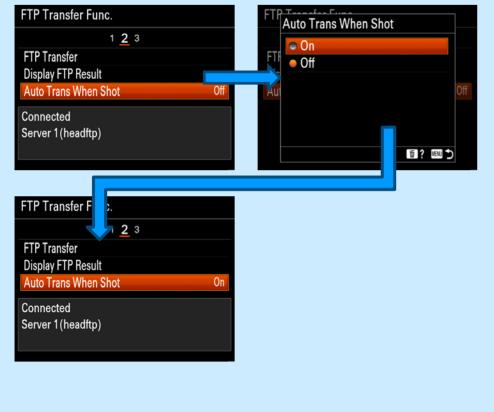
[Cannot recognize the LAN cable. Trying to establish a connection again.]

• Is the camera connected to the network?

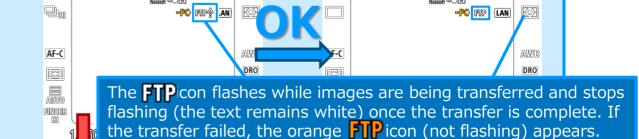
- Are the destination settings correct?
- Is the DNS server working properly?
- If the FTP server is located outside the LAN network, is the network connected to the Internet?

## Transfer images automatically as you shoot

1. Go to [MENU]→[Network]→[FTP Transfer Func.]→[Auto Trans When Shot] and select [On].



2. Shoot a photo



Connection failed:

Go to [MENU]→[Network]→[FTP Transfer Func.] and see the error message. Try the following depending on the error message you receive:

[Failed to establish a connection to the FTP server. Please check the FTP server settings.]

Are the settings for the FTP server correct?

[Cannot recognize the LAN cable. Trying to establish a connection again.]

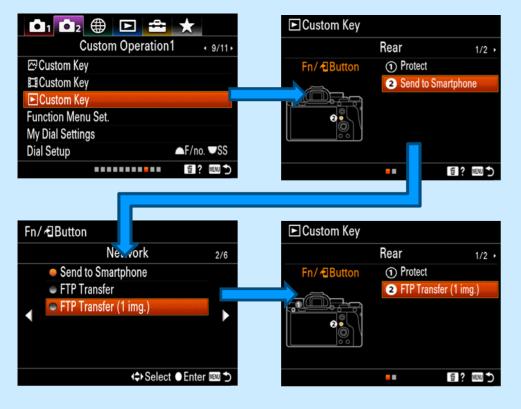
• Is the camera connected to the network?

- Are the destination settings correct?
- Is the DNS server working properly?
- If the FTP server is located outside the LAN network, is the network connected to the Internet?

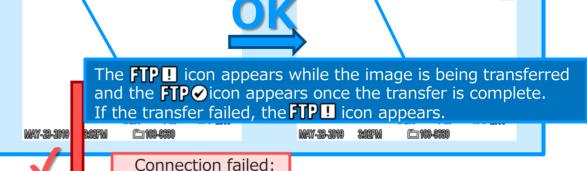
## Transfer an image that is being played back

Assigning a custom key to [FTP Transfer (1 img.)] makes image transfer easier. You can transfer the image displayed on the playback screen to the FTP server just by pressing the key.

TO Par FIP®



2. Display an image you want to transfer and press the key that is assigned to [FTP Transfer (1 img.)].



Go to [MENU]→[Network]→[FTP Transfer Func.] and see the error message. Try the following depending on the error message you receive:

[Failed to establish a connection to the FTP server. Please check the FTP server settings.]

Are the settings for the FTP server correct?

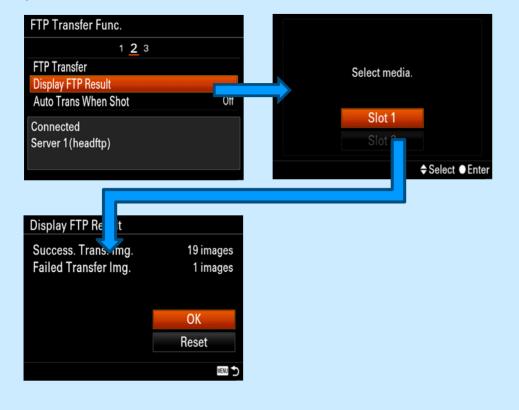
[Cannot recognize the LAN cable. Trying to establish a connection again.]

• Is the camera connected to the network?

- Are the destination settings correct?
- Is the DNS server working properly?
- If the FTP server is located outside the LAN network, is the network connected to the Internet?

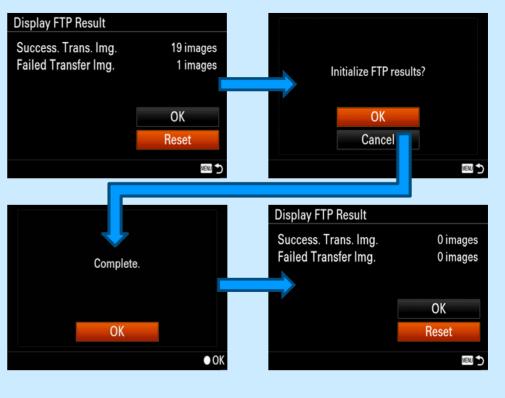
### Check FTP transfer results

1. Go to [MENU]→[Network]→[FTP Transfer Func.]→[Display FTP Result] and select a slot you want to check transfer results for.



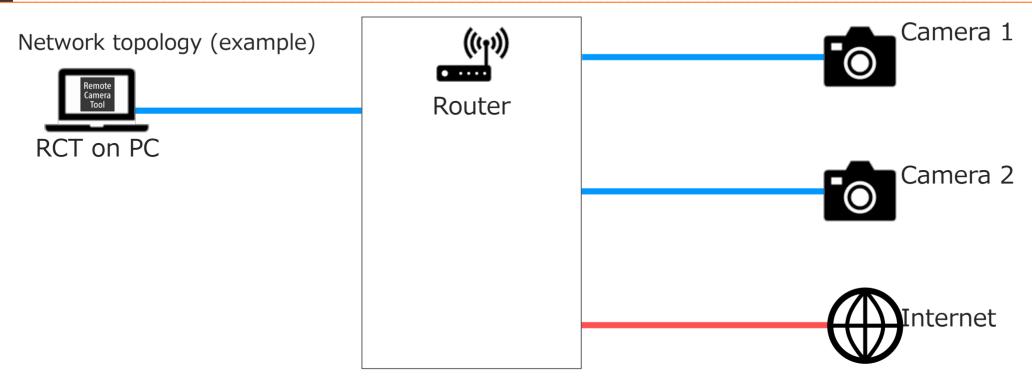
<How to delete FTP transfer results>

1. On the [Display FTP Result] screen, select [Reset].





# Step by Step Guide 5. Settings to Use a Fixed IP Address



#### Table of Contents

## Step by Step Guide 5. Settings to Use a Fixed IP Address

Step by Step Guide Overview \* The fields for settings are left blank. Please use them to write down your own settings, etc.

#### □ Preparation 1: Things to prepare

- Camera that supports Remote Camera Tool
- Ethernet cable
- PC on which Remote Camera Tool has been installed
- Router

#### ☐ Preparation 2: PC settings (Mac)

- If the PC is connected to other networks, including Wi-Fi, disconnect them in advance.
- Take a note of the MAC address of the PC in advance.
  - Go to [Menu]→[About This Mac]→[System Report].
  - Take a note of the MAC address displayed in  $[Network] \rightarrow [Locations].$
- Set up a fixed IP address.
  - Go to [Menu]→[System Preferences...]→[Network].
  - From the [Location] pull-down menu, select [Edit Locations...] $\rightarrow$ [+].
  - ] in the entry field and select [Done]. Enter [
  - From the [Locations] pull-down menu, select [ 1, which you entered manually in 3 above.
  - From the [Configure IPv4] pull-down menu, select [Manually].
  - Enter the IP address [ . . . ].

- Enter the subnet mask [ . . . ].
- Enter the router [ . . . ].
- Select [Advanced...]→[DNS]→[+].
- Enter [ . . . ] in the field and select [OK].
- Select [Apply].

#### ☐ Preparation 3: Camera settings

- Go to [MENU]→[Network]→[Wired LAN Settings]→[Display Wired LAN Info.] and take a note of the MAC Address of the camera in advance.
- Go to [MENU]→[Network]→[Wired LAN Settings]→[IP Address Setting] and set it to [Manual]. Enter the IP address [ . . . ].
- Enter the subnet mask [ . . . ].
- Enter the router [ . . . ].
- Enter the primary DNS server [ . . . ].
- Enter the secondary DNS server [ . . . ].
- Select [OK].
- Go to [MENU]→[Network]→[PC Remote (Wired LAN)] and select [On].



## Preparation 1: Things to prepare

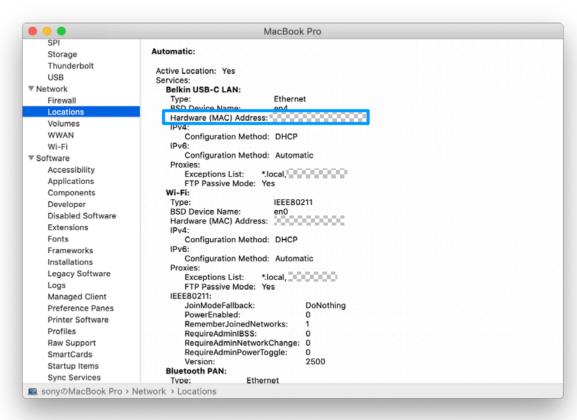
- Camera that supports Remote Camera Tool
- Ethernet cable
  - If your PC is not equipped with an Ethernet port, you need to use a USB-to-Ethernet adapter (available at stores).
- PC on which Remote Camera Tool has been installed
- Router

- 1. If the PC is connected to other networks, including Wi-Fi, disconnect them in advance.
- 2. Take a note of the MAC address of the PC in advance.

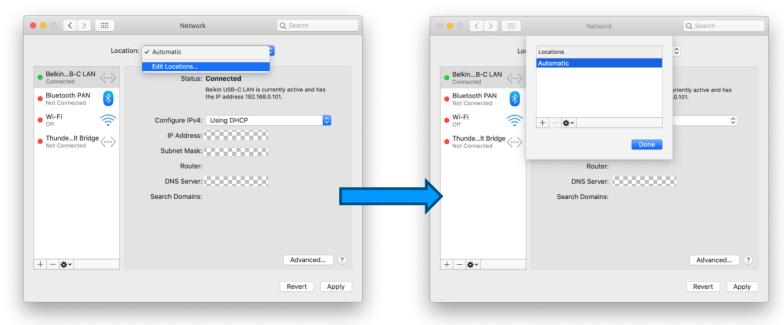
Go to [Menu]→[About This Mac]→[System Report].

Take a note of the MAC address displayed in [Network]→[Locations].



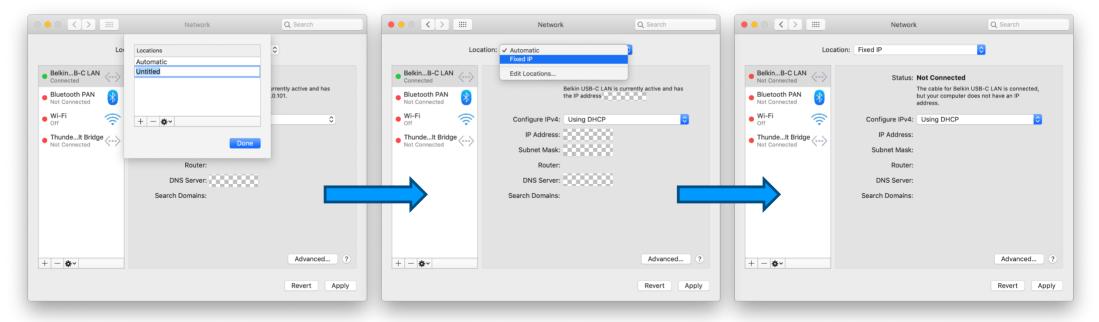


- 3. Set up a fixed IP address.
  - 1. Go to [Menu]→[System Preferences...]→[Network].
  - 2. From the [Location] pull-down menu, select [Edit Locations...] $\rightarrow$ [+].



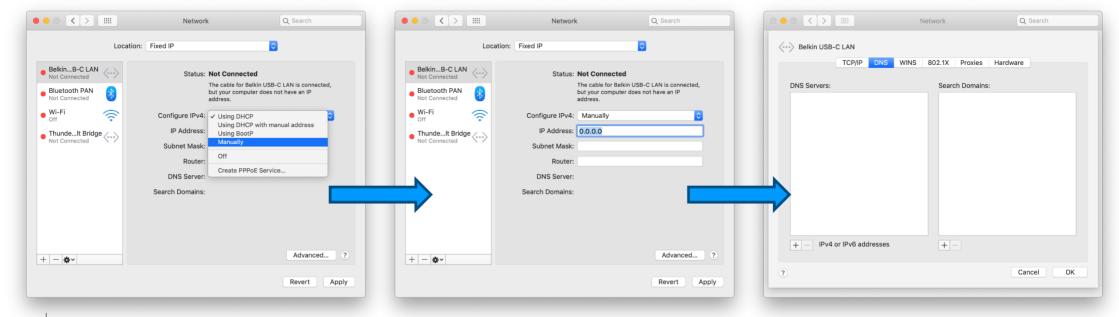
3. Set up a fixed IP address.

- \* The fields for settings are left blank. Please use them to write down your own settings, etc.
- 3. Enter [ ] in the entry field and select [Done].
- 4. From the [Locations] pull-down menu, select [ ], which you entered manually in 3 above.



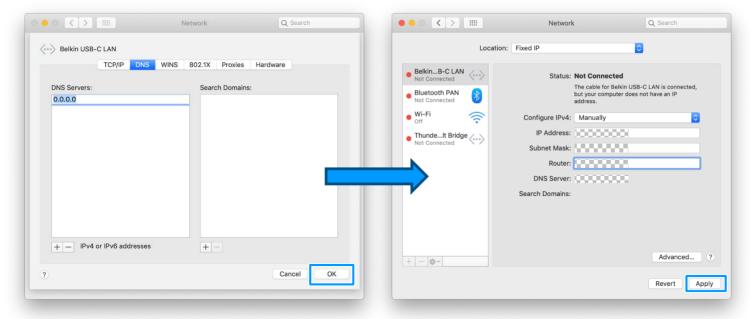
3. Set up a fixed IP address.

- \* The fields for settings are left blank. Please use them to write down your own settings, etc.
- 5. From the [Configure IPv4] pull-down menu, select [Manually].
- 6. Enter the IP address [ . . . ].
- 7. Enter the subnet mask [ . . . ].
- 8. Enter the router [ . . . ].
- 9. Select [Advanced...] $\rightarrow$ [DNS] $\rightarrow$ [+].



3. Set up a fixed IP address.

- \* The fields for settings are left blank. Please use them to write down your own settings, etc.
- 10. Enter [ . . . ] in the field and select [OK].
- 11. Select [Apply].



## Preparation 3: Camera settings

1. Go to [MENU]→[Network]→[Wired LAN Settings]→[Display Wired LAN Info.] and take a note of the MAC Address of the camera in advance.



2. Go to [MENU]→[Network]→[Wired LAN Settings]→[IP Address Setting] and set it to [Manual].

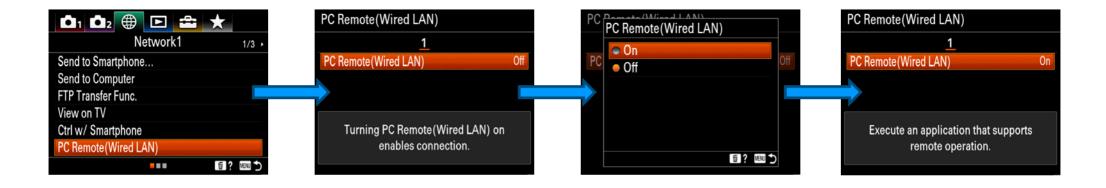


## Preparation 3: Camera settings

\* The fields for settings are left blank. Please use them to write down your own settings, etc.



- 3. Enter the IP address [ . . . ].
- 4. Enter the subnet mask [ . . . ].
- 5. Enter the router [ . . . ].
- 6. Enter the primary DNS server [ . . . ].
- 7. Enter the secondary DNS server [ . . . ].
- 8. Select [OK].
- 9. Go to [MENU] $\rightarrow$ [Network] $\rightarrow$ [PC Remote (Wired LAN)] and select [On].



Remote Camera Tool
Camera Tool

# **END**