Canon

# Wireless File Transmitter

# WFT-E9

Advanced User Guide

These operating instructions assume you are using
EOS-1D X Mark III firmware version 1.1.0 or later.

E

CT2-D082-B

## Contents

# Introduction

## Before Using This Transmitter, Be Sure to Read the Following

- To comply with local radio wave regulations, Canon offers five region-specific versions of the transmitter (A, B, C, D, and E) in various areas around the world (see separate sheet). For convenience, the transmitter in this manual is referred to as "WFT-E9", without reference to the versions A, B, C, D, or E.
- In this manual, the term "access point" indicates wireless LAN access points and wireless LAN routers, etc., that relay a LAN connection.
- These instructions should be followed only after setting up your LAN and FTP server environments. For information about setting up the environments, refer to the documentation provided with each device or contact the manufacturer.
- Read the Camera's Advanced User Guide and familiarize yourself with operating the camera before following the instructions on camera options.
- This transmitter can be used with some CINEMA EOS cameras. For information on supported cameras, contact your dealer or nearest Canon Service Center. For how to use this product, refer to the "Guide for Canon Camcorders".

## Support

Image transfer, remote shooting, or image viewing requires adequate knowledge of configuring your LAN and FTP server. Canon cannot provide support for configuring LANs or FTP servers.

## Liability

- Note that Canon cannot be held liable for any loss or damage to the transmitter from erroneous network or FTP server settings. In addition, Canon cannot be held liable for any other loss or damage caused by use of the transmitter.
- When using LAN functions, establish appropriate security at your own risk and discretion. Canon cannot be held liable for any loss or damage caused by unauthorized access or other security breaches.

# What You Can Do with the Transmitter

The transmitter is an accessory for EOS cameras that enables LAN functions to be expanded when attached to the camera.
The transmitter's LAN functions enable you to do the following:

## FTP Transfer ( )

You can transfer captured images to an FTP server.
Images can be automatically transferred as you shoot them, or you can select images to be transferred later.

## EOS Utility ( )

Perform actions such as downloading images stored in the camera or performing remote shooting by using EOS Utility (EOS software) installed on a computer.

## Browser Remote ( )

You can perform advanced remote shooting, view images stored in the camera, and configure settings related to FTP transfer by connecting to the camera from a web browser on a computer, smartphone, or other device, as easily as accessing a website.

## Linked Shooting ( )

Perform shooting by wirelessly linking the sender camera to the receiver camera.

## Sync the Camera Time ( )

Synchronize the time between sender and receiver cameras of the same model.

**Caution**

- Outdated firmware will prevent you from using Browser Remote. In this case, download the latest version from the Canon website and update the firmware.

# About This Manual



## Icons in This Manual

| | |
|---|---|
| < > | Indicates the Main Dial. |
| < > | Indicates the Quick Control Dial. |
| < > | Indicates the Multi-controller. |
| <SET> | Indicates the setting button. |

- In addition to the above, the icons and symbols used on the camera's buttons and displayed on the monitor are also used in this manual when discussing relevant operations and functionality.

| | |
|---|---|
| | Indicates a link to a related topic. |
| | Warning to prevent potential problems during shooting. |
| | Supplemental information. |

## Basic Assumptions

- All operations explained in this manual assume that the power switch is set to < ON >.
- It is assumed that all the menu settings, Custom Functions, etc., are set to their defaults.

## Safety Instructions

Be sure to read these instructions in order to operate the product safely.
Follow these instructions to prevent injury or harm to the operator of the product or others.

**⚠WARNING** Denotes the risk of serious injury or death.

- Keep the product out of the reach of young children.

The product is dangerous if swallowed. If swallowed, seek immediate medical assistance.

- Use only power sources specified in this instruction manual for use with the product.
- Do not disassemble or modify the product.
- Do not expose the product to strong shocks or vibration.
- Do not touch any exposed internal parts.
- Stop using the product in any case of unusual circumstances such as the presence of smoke or a strange smell.
- Do not use organic solvents such as alcohol, benzine or paint thinner to clean the product.
- Do not get the product wet. Do not insert foreign objects or liquids into the product.
- Do not use the product where flammable gases may be present.

This may cause electric shock, explosion or fire.

- Do not allow the product to maintain contact with the same area of skin for extended periods of time during use.

This may result in low-temperature contact burns, including skin redness and blistering, even if the product does not feel hot. The use of a tripod or similar equipment is recommended when using the product in hot places and for people with circulation problems or less sensitive skin.

## ⚠CAUTION Denotes the risk of injury.

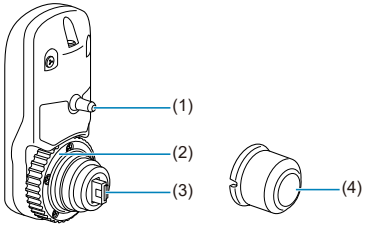
- Do not leave the product in places exposed to extremely high or low temperatures.

The product may become extremely hot/cold and cause burns or injury when touched.

## Handling Precautions

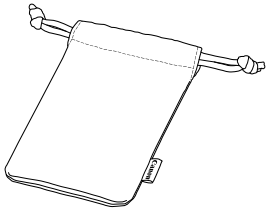
- The transmitter is a precision instrument. Do not drop it or subject it to physical shock.
- The transmitter is not waterproof. Do not use it underwater.
- Wipe off any moisture with a dry and clean cloth. If the transmitter has been exposed to salty air, wipe it with a clean, well-wrung wet cloth.
- Never leave the transmitter near any equipment that generates a strong magnetic field, such as magnets or electric motors.
- Do not leave the transmitter in an excessively hot environment, such as in a vehicle in direct sunlight. High temperatures may damage the transmitter.
- Do not wipe the transmitter using cleaners containing organic solvents. For stubborn dirt, take the transmitter to the nearest Canon Service Center (see separate sheet).
- Avoid storing the transmitter where there are chemicals that result in rust and corrosion, such as in a chemical lab.
- To prevent damage from static electricity, do not touch the terminals with your hands.
- Do not touch the terminals with your hands. This may cause the terminals to rust. Rust may cause the transmitter to malfunction.
- When not using the transmitter, cover the terminals with the supplied terminal cap.

# Nomenclature

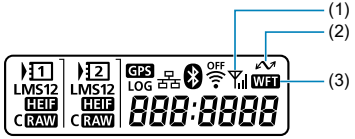



| | |
|---|---|
| (1) | Attachment pin |
| (2) | Tightening screw |
| (3) | Terminal |
| (4) | Terminal cap |

### Transmitter Case



### EOS-1D X Mark III Rear LCD Panel (Example Display)

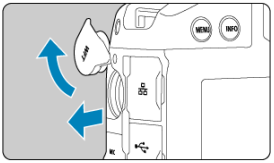



| | |
|---|---|
| (1) | <  >Wireless LAN connection |
| (2) | <  >Connection icon |
| (3) | < WFT >WFT |

# Attaching to the Camera

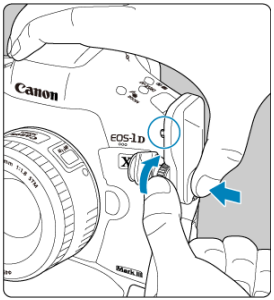
Set the camera's power switch to < OFF > before attaching the transmitter.
**The transmitter is powered by the camera. Ensure the camera battery has sufficient charge. If the battery level drops to 19% or less, you cannot transfer captured images.**

1. **Open the terminal cover on the camera.**




- Pull out the system extension terminal cover and rotate it toward the front.

2. **Attach the transmitter.**




- Insert the transmitter terminal and attachment pin in the corresponding camera system extension terminal and attachment hole.
- Push the underside of the transmitter into the camera and turn the tightening screw in the direction of the arrow.
- Turn the tightening screw until it stops rotating to securely attach the transmitter.

### Removing the transmitter

- Set the camera's power switch to < OFF >.
- Loosen the tightening screw until the transmitter comes off.

- Attach the transmitter's terminal cap so that dust does not get in the terminal. In addition, close the terminal cover of the camera.

**Caution**

### Using an External Microphone During Movie Shooting

- If wireless functions are in use, noise may be recorded regardless of the use of the built-in microphone or an external microphone. It is recommended that you do not use wireless functions when shooting movies.

# Basic Network Settings

Complete the basic network settings by using the menu screen on the camera's monitor.

- Preparation
- Displaying the Connection Wizard
- Checking the Type of Access Point
- Connecting via WPS (PBC Mode)
- Connecting via WPS (PIN Mode)
- Connecting to a Detected Network Manually
- Connecting to a Network Manually
- Connecting Using an Infrastructure
- Connecting in Camera Access Point Mode
- Setting the IP Address
- Configuring Settings for the Communication Function

# Preparation

- [**FTP trans.**]
- [**EOS Utility**]
- [**Browser Remote**]
- [**LinkedShot**]
- [**Sync time between cameras**]
- When connecting via Wireless LAN

## [FTP trans.]

A computer with one of the following operating systems is needed. In addition, the computer must be set up as an FTP server in advance.

- Windows 10 (ver. 1607 or later)
- Windows 8.1, Windows 8.1 Pro

For instructions on setting up a computer as an FTP server, refer to the documentation provided with each device or contact the manufacturer.

## [EOS Utility]

Requires a computer with EOS Utility (EOS software) installed.
For EOS Utility installation instructions, visit the Canon website.

## [Browser Remote]

Use of [**Browser Remote**] requires a device on which one of the following browsers is installed.

- iOS13: Safari 13
- iPadOS13: Safari 13
- Android 8, 9, 10: Chrome
- macOS: Safari 13
- Windows 10: Chrome
- Windows 10: Edge

* Operation on the above web browsers cannot be guaranteed for all terminals.
* Not available unless the web browser is set to allow cookies.
* Not available unless the web browser is set to use JavaScript.
* Movies cannot be played back unless the web browser supports HTML 5.

- **[LinkedShot]**

  You can perform linked shooting using multiple compatible cameras with WFT series transmitters attached. This feature lets you link up to 10 receiver cameras to the sender camera on which you will release the shutter. Note that there will be a slight delay after you release the sender camera shutter before the receiver cameras shoot. Movie shooting is not supported.
  For subsequent operations, see Linked Shooting.

- **[Sync time between cameras]**

  You can set the sender camera time to up to 10 receiver cameras. Note that even after synchronization, there will be a margin of error between sender and receiver camera times.
  Set up multiple cameras of the same camera model with WFT-E9 series transmitters attached.
  For subsequent operations, see Synchronizing the Camera Time.

### When connecting via Wireless LAN

Connect the target device to be connected to the camera to the access point in advance.

**Caution**

#### Transferring Movies over Wireless LAN

- Because of the large size of individual movie files, wireless LAN file transmission takes some time. Set up an environment where each device can achieve stable communication with the access point and the transmitter by referring to the information in Wireless Function Notes.

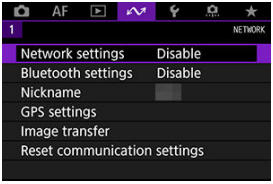
# Displaying the Connection Wizard

This section describes how to add connection settings by following the connection wizard. If an error is displayed, see Troubleshooting and check the settings.

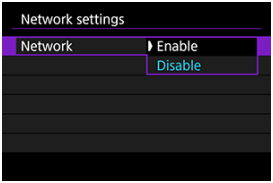
- Pressing the shutter button or other camera controls during configuration using the connection wizard will close the connection wizard. Do not press the shutter button or other controls until configuration is finished.
- [: **Network settings**] is only available when [: **Multiple exposure**] is set to [**Disable**].

---

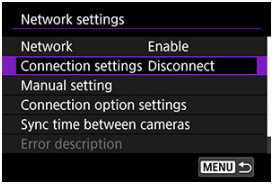
1. **Press the < MENU > button on the camera.**
2. **Select [: Network settings].**



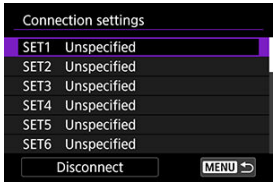

3. **Select [Enable].**



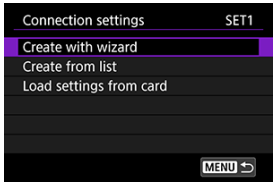

4. **Select [Connection settings].**



5. **Select [SET*].**

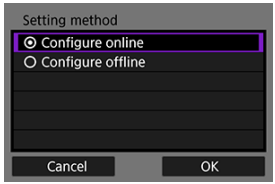



6. **Select [Create with wizard].**




- If the camera has multiple registered communication settings and function settings, you can add connection settings by selecting [**Create from list**] and combining registered settings.
- You can also add connection settings by using connection settings stored on the card. Configure the settings by selecting [**Load settings from card**] ( ).

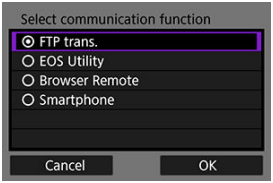
7. **Select the setting method.**



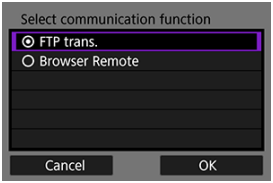

- Select an item and select [**OK**] to go to the next screen.
- Select [**Configure online**] to configure the connection settings and network settings at the same time.
- Select [**Configure offline**] to configure only the connection settings for [**FTP trans.**] and [**Browser Remote**].

## 8. Select the communication function.

**For [Configure online]**

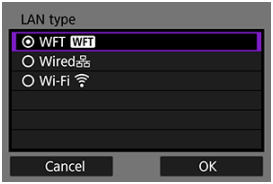



**For [Configure offline]**



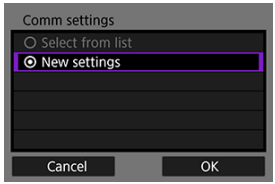

- Select the communication function by referring to Preparation.
- Select an item and select [**OK**] to go to the next screen.

## 9. Select [WFT].



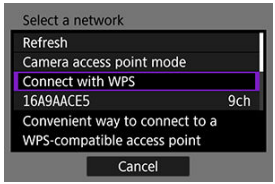

- Select [**OK**] to proceed to the next screen.

10. **Select [New settings].**



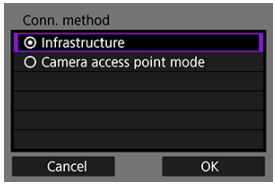

- Select [**OK**] to proceed to the next screen.
- If the camera has registered communication settings, you can apply the registered settings by selecting [**Select from list**].

**For [Configure online]**




- To connect a device via an access point, go to Checking the Type of Access Point.
- To directly connect a device to the camera, go to Connecting in Camera Access Point Mode.

**For [Configure offline]**




- To connect a device via an access point, go to Connecting Using an Infrastructure.
- To directly connect a device to the camera, go to Connecting in Camera Access Point Mode.

# Checking the Type of Access Point

To connect using an access point, check if the access point supports WPS*, which allows easy connection between Wi-Fi devices.
If you do not know if the access point you will use is WPS-compatible, refer to the access point instruction manual or other documentation.
* Wi-Fi Protected Setup

## When WPS is supported

The following two connection methods are available. Connection can be established more easily with WPS (PBC Mode).

- Connecting via WPS (PBC Mode) ( )
- Connecting via WPS (PIN Mode) ( )

## When WPS is not supported

- Connecting to a Detected Network Manually ( )
- Connecting to a Network Manually ( )

## Access Point Encryption

The transmitter supports the following options for [**Authentication**] and [**Encryption settings**]. Therefore, when connecting to a detected network manually, the encryption used by the access point must be one of the following.

- [**Authentication**]: Open system, Shared key, WPA/WPA2-PSK, or WPA/WPA2-Enterprise
- [**Encryption settings**]: WEP, TKIP, and AES

**Caution**

- **If the stealth functions of the access point are active, connection may be disabled. Deactivate the stealth functions.**
- When connecting to a network that has a network administrator, ask the administrator about the detailed setting procedures.

**Note**

- If the network you are using filters by MAC address, register the MAC address of the transmitter to the access point. The MAC address can be found on the [**MAC address**] screen ( ).

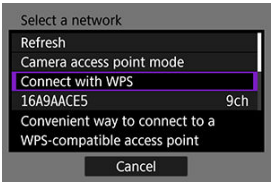
# Connecting via WPS (PBC Mode)

These instructions are continued from Checking the Type of Access Point.
This is a connection mode available when using an access point compatible with WPS. In pushbutton connection mode (PBC mode), the camera and the access point can be connected simply by pressing the WPS button on the access point.

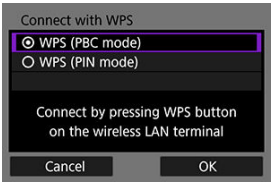
- If multiple access points are active in the surrounding area, it may be more difficult to establish a connection. In such a case, try using [**WPS (PIN mode)**] to establish a connection.
- Check the position of the WPS button on the access point in advance.
- It may take approx. one minute to establish a connection.

---

1. **Select [Connect with WPS].**

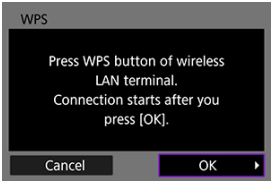



2. **Select [WPS (PBC mode)].**

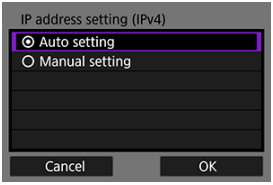



- Select [**OK**] to proceed to the next screen.

## 3. Connect to the access point.




- Press the access point's WPS button. For details about where the button is located and how long to press it, refer to the access point's instruction manual.
- Select [**OK**] to establish a connection with the access point.
- When a connection with the access point is established, the next screen is displayed.




Go to Setting the IP Address.

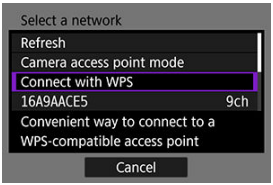
# Connecting via WPS (PIN Mode)

These instructions are continued from Checking the Type of Access Point.
This is a connection mode available when using an access point compatible with WPS. In PIN code connection mode (PIN mode), an 8-digit identification number specified on the camera is set at the access point to establish a connection.

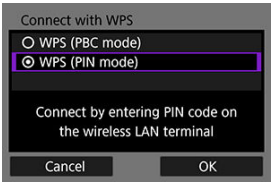
- Even if there are multiple access points active in the surrounding area, a relatively reliable connection can be established using this shared identification number.
- It may take approx. one minute to establish a connection.

---

1. **Select [Connect with WPS].**

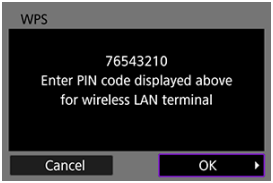



2. **Select [WPS (PIN mode)].**



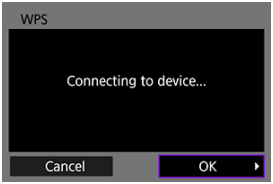

- Select [**OK**] to proceed to the next screen.

3. **Specify the PIN code.**

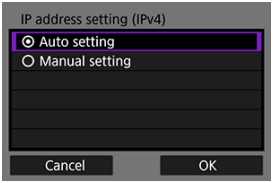



- At the access point, specify the 8-digit PIN code displayed on the camera's monitor.
- For instructions on setting PIN codes at the access point, refer to the access point's instruction manual.
- After the PIN code is specified, select [**OK**].

4. **Connect to the access point.**




- Select [**OK**] to establish a connection with the access point.
- When a connection with the access point is established, the next screen is displayed.



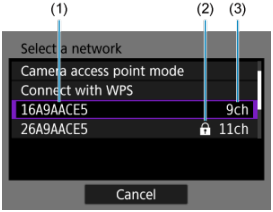

Go to Setting the IP Address.

# Connecting to a Detected Network Manually

These instructions are continued from Checking the Type of Access Point.
Establish a connection by selecting the SSID (or ESS-ID) of the access point to connect to from a list of active access points nearby.

## Selecting an Access Point

1. **Select an Access Point.**




(1) SSID
(2) An icon is displayed if the access point is encrypted
(3) Channel used

- Using < ◌ >, select the access point to connect to from the list of access points.

**Note**

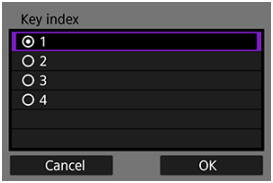
**[Refresh]**

- Scroll down the screen in step 1 to display [**Refresh**].
- Select [**Refresh**] to search for access points again.

## Entering the Access Point Encryption Key

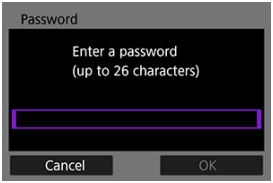
- Enter the encryption key (password) specified for the access point. For details on the specified encryption key, refer to the access point's instruction manual.
- The screens displayed in steps 2 and 3 below vary depending on the authentication and encryption specified for the access point.
- Go to Setting the IP Address when the [**IP address set.**] screen is displayed instead of the screens for steps 2 and 3.

## 2. Select a key index.

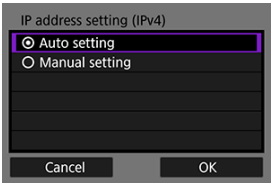



- The [**Key index**] screen is displayed only if the access point uses WEP encryption.
- Select the key index number specified for the access point.
- Select [**OK**] to proceed to the next screen.

## 3. Enter the encryption key.




- Press < (SET) > to display the virtual keyboard (), then enter the encryption key.
- Select [**OK**] to establish a connection with the access point.
- When a connection with the access point is established, the next screen is displayed.



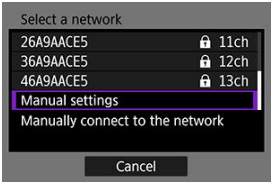

Go to Setting the IP Address.

# Connecting to a Network Manually

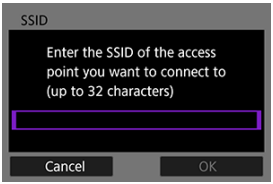
These instructions are continued from Checking the Type of Access Point.
Establish a connection by selecting the SSID (or ESS-ID) of the access point to connect to.

## Entering the SSID

1. **Select [Manual settings].**



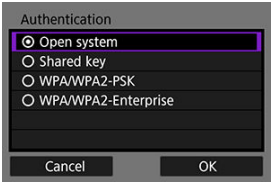

2. **Enter the SSID (network name).**




- Press < (SET) > to display the virtual keyboard (), then enter the SSID.
- Select [**OK**] to proceed to the next screen.

## Specifying the Authentication for the Access Point

### 3. Select the authentication.

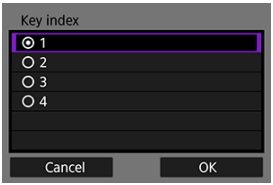



- Select an item and select [**OK**] to go to the next screen.
- If you select [**Open system**], the [**Encryption settings**] screen will be displayed. Select [**None**] or [**WEP**] on this screen.

## Entering the Access Point Encryption Key

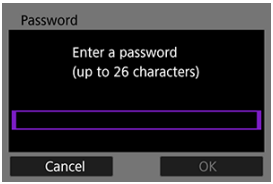
- Enter the encryption key (password) specified for the access point. For details on the specified encryption key, refer to the access point's instruction manual.
- The screens displayed in steps 4 and 5 below vary depending on the authentication and encryption specified for the access point.
- Go to Setting the IP Address when the [**IP address set.**] screen is displayed instead of the screens for steps 4 and 5.

### 4. Select a key index.

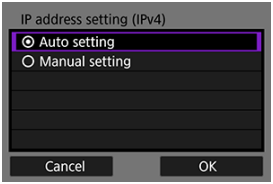



- The [**Key index**] screen is displayed when [**Shared key**] and [**WEP**] are selected in step 3.
- Select the key index number specified for the access point.
- Select [**OK**] to proceed to the next screen.

5. **Enter the encryption key.**




- Press < (SET) > to display the virtual keyboard (), then enter the encryption key.
- Select [**OK**] to establish a connection with the access point.
- When a connection with the access point is established, the next screen is displayed.



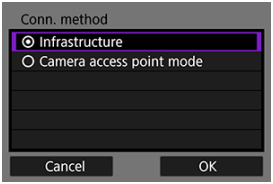

Go to Setting the IP Address.

# Connecting Using an Infrastructure

These instructions are continued from Displaying the Connection Wizard.
Establish a connection by selecting the SSID (or ESS-ID) of the access point to connect to.

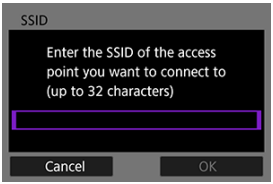
## Entering the SSID

1. **Select [Infrastructure].**




- Select [**OK**] to proceed to the next screen.

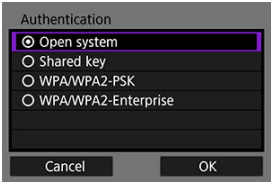
2. **Enter the SSID (network name).**




- Press < (SET) > to display the virtual keyboard (), then enter the SSID.
- Select [**OK**] to proceed to the next screen.

## Specifying the Authentication for the Access Point

### 3. Select the authentication.

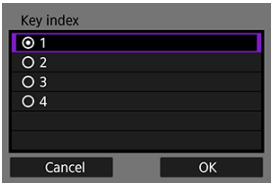



- Select an item and select [**OK**] to go to the next screen.
- If you select [**Open system**], the [**Encryption settings**] screen will be displayed. Select [**None**] or [**WEP**] on this screen.

## Entering the Access Point Encryption Key

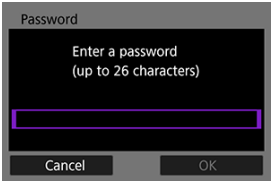
- Enter the encryption key (password) specified for the access point. For details on the specified encryption key, refer to the access point's instruction manual.
- The screens displayed in steps 4 and 5 below vary depending on the authentication and encryption specified for the access point.
- Go to Setting the IP Address when the [**IP address set.**] screen is displayed instead of the screens for steps 4 and 5.

### 4. Select a key index.

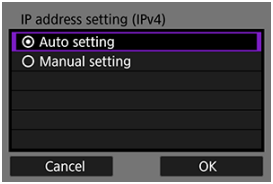



- The [**Key index**] screen is displayed when [**Shared key**] and [**WEP**] are selected in step 3.
- Select the key index number specified for the access point.
- Select [**OK**] to proceed to the next screen.

5. **Enter the encryption key.**




- Press < (SET) > to display the virtual keyboard (), then enter the encryption key.
- Select [**OK**] to establish a connection with the access point.
- When a connection with the access point is established, the next screen is displayed.




Go to Setting the IP Address.

# Connecting in Camera Access Point Mode

These instructions are continued from Displaying the Connection Wizard.
Camera access point mode is a connection mode for connecting the camera directly to each device via a wireless connection without using an access point. The following two connection methods are available.



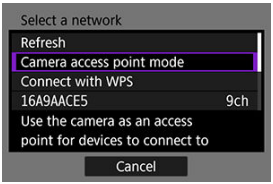
## Connecting with Easy Connection

The network settings for the camera access point mode are configured automatically.

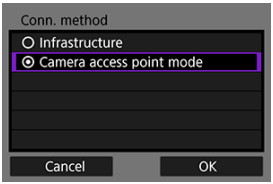
- To establish a connection, operations on the computer or smartphone, etc., are required. For details, refer to the corresponding device's instruction manual.

1. **Select [Camera access point mode].**

**For [Configure online]**

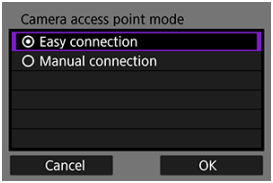



**For [Configure offline]**



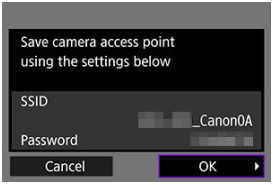

- On the [**Conn. method**] screen, select [**OK**] to go to the next screen.

2. **Select [Easy connection].**



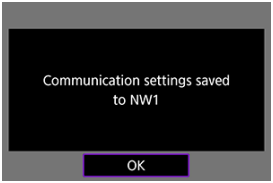

- Select [**OK**] to proceed to the next screen.

3. **Select [OK].**



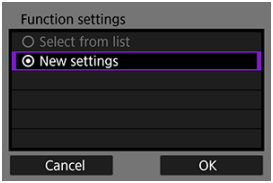

- The next screen is displayed.

4. **Select [OK].**



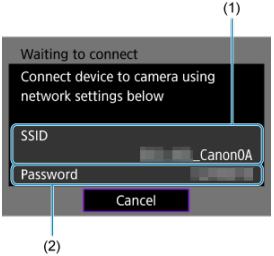

- The next screen is displayed.

5. **Select [New settings].**



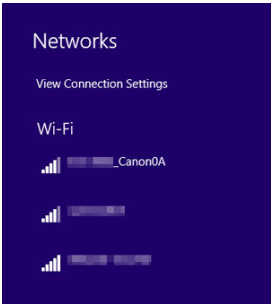

- Select [**OK**] to proceed to the next screen.
- For [**Configure online**], go to step 6.
- For [**Configure offline**], go to step 2 in Configuring Settings for the Communication Function.
- If the camera has registered communication function settings, you can apply the registered settings by selecting [**Select from list**].

6. **Operate the target device and connect it to the camera.**

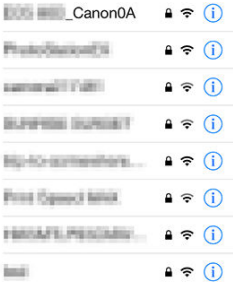



(1) SSID (network name)
(2) Encryption key (password)

**Computer screen (sample)**



**Smartphone screen (sample)**




- Activate the Wi-Fi function of the target device, then select the SSID (network name) displayed on the camera's monitor.
- For the password, enter the encryption key (password) displayed on the camera's monitor.
- When a connection is established, the setting screen for the relevant communication function is displayed.

Go to step 2 in Configuring Settings for the Communication Function.

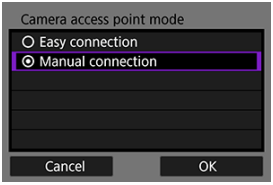
**Note**

- When connecting by selecting [**Easy connection**], "_Canon0A" is displayed at the end of the SSID.

## Connecting with a Manual Connection

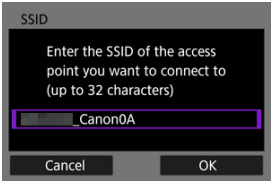
The network settings for the camera access point mode are configured manually. Set [**SSID**], [**Channel setting**], and [**Encryption settings**] on each screen displayed.

1. **Select [Manual connection].**



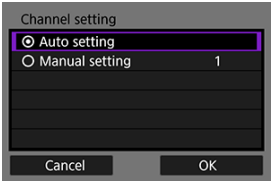

- Select [**OK**] to proceed to the next screen.

2. **Enter the SSID (network name).**



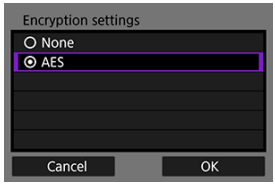

- Press < (SET) > to display the virtual keyboard (), then enter the SSID. After entering the SSID, press the < MENU > button.
- Select [**OK**] to proceed to the next screen.

3. **Select the desired channel setting.**



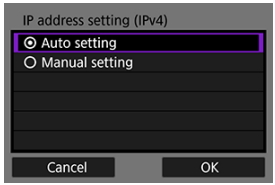

- To specify the settings manually, select [**Manual setting**], then select the setting by using < >.
- Select [**OK**] to establish a connection with the access point.

## 4. Select the desired encryption setting.



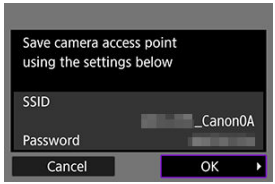

- For encryption, select [**AES**].
- Select [**OK**] to display the next screen.
- When [**AES**] is selected, the [**Password**] screen is displayed. Press < (SET) > to display the virtual keyboard ( ), then enter the encryption key. After entering the SSID, press the < MENU > button.

## 5. Select the IP address setting.



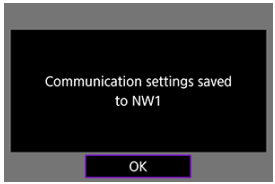

- To set the IP address automatically, perform step 1 in Setting the IP Address Automatically.
- To set the IP address manually, perform steps 1 to 4 in Setting the IP Address Manually.
- When the settings are complete, the next screen is displayed.

## 6. Select [OK].



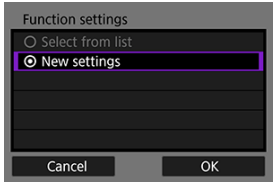

- The next screen is displayed.

7. **Select [OK].**



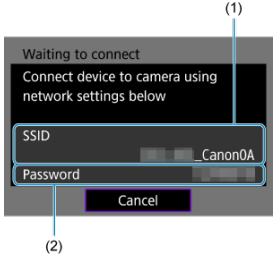

- The next screen is displayed.

8. **Select [New settings].**



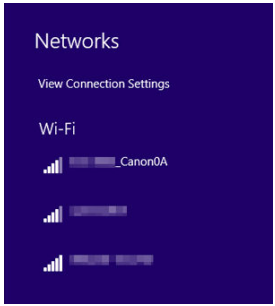

- Select [**OK**] to proceed to the next screen.
- For [**Configure online**], go to step 9.
- For [**Configure offline**], go to step 2 in Configuring Settings for the Communication Function.
- If the camera has registered communication function settings, you can apply the registered settings by selecting [**Select from list**].

9. **Operate the target device and connect it to the camera.**

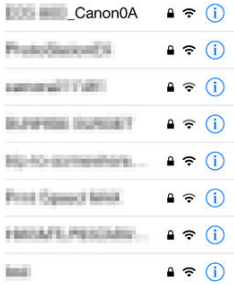



(1) SSID (network name)
(2) Encryption key (password)

**Computer screen (sample)**



**Smartphone screen (sample)**




- Activate the Wi-Fi function of the target device, then select the SSID (network name) displayed on the camera's monitor.
- For the password, enter the encryption key (password) displayed on the camera's monitor.
- When a connection is established, the setting screen for the relevant communication function is displayed.

Go to step 2 in Configuring Settings for the Communication Function.

# Setting the IP Address

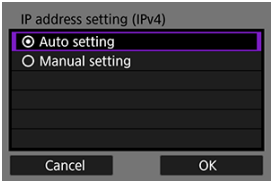
These instructions are continued from configuring the connection settings for using an access point.
Select the IP address setting method and set the IP address to the camera. When using IPv6, a connection can only be established using IPv6. A connection cannot be established using IPv4.



## Setting the IP Address Automatically

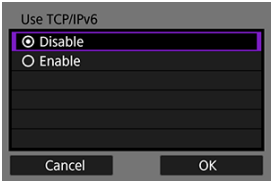
The IP address settings are configured automatically.

1. **Select [Auto setting].**



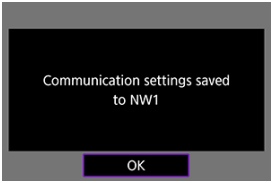

- Select [**OK**] to proceed to the next screen.
- If [**Auto setting**] results in an error, configure the IP address manually ( ).

2. **Select the IPv6 setting.**

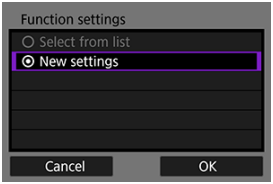



- Select an item and select [**OK**] to go to the next screen.
- If you select [**Enable**], configure the IPv6 settings after completing all other settings ( ).
- When the settings are complete, the next screen is displayed.

3. **Select [OK].**




- The next screen is displayed.

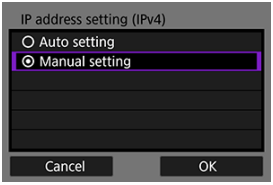



Go to Configuring Settings for the Communication Function.

## Setting the IP Address Manually

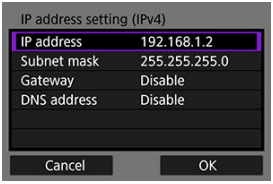
The IP address settings are configured manually. The items displayed will differ depending on the communication function.

1. **Select [Manual setting].**



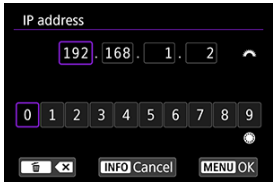

- Select [**OK**] to proceed to the next screen.

2. **Select the item to be set.**



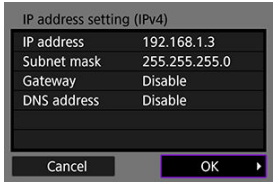

- Select an item to display the number entry screen.
- To use a gateway or DNS address, select [**Enable**], then select [**Address**].

## 3. Enter the desired values.



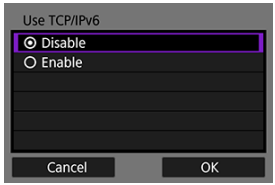

- Use < > to select the input position in the upper area and use < > to select a number. Press < > to enter the selected number.
- To set the entered values and return to the screen in step 2, press the < MENU > button.

## 4. Select [OK].



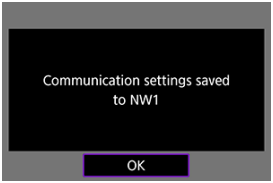

- When you have completed setting the necessary items, select [**OK**]. The next screen is displayed.
- If you are not sure what to enter, see Checking Network Settings or ask the network administrator or similar person.

## 5. Select the IPv6 setting.

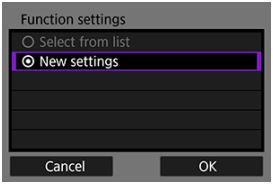



- Select an item and select [**OK**] to go to the next screen.
- If you select [**Enable**], configure the IPv6 settings after completing all other settings ( ).
- When the settings are complete, the next screen is displayed.

6. **Select [OK].**




- The next screen is displayed.

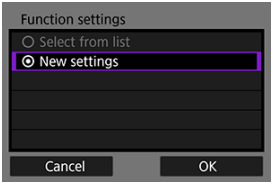



Go to Configuring Settings for the Communication Function.

# Configuring Settings for the Communication Function

The following instructions are for settings that vary depending on the communication function. Proceed to the page that introduces the selected communication function.

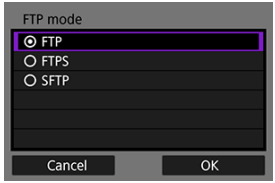
1. **Select [New settings].**



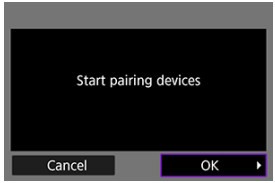

- Select [**OK**] to proceed to the next screen.
- If the camera has registered communication function settings, you can apply the registered settings by selecting [**Select from list**].

2. **Configure the connection settings for the communication function.**

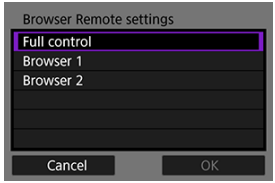
**FTP Transfer ( )**




**EOS Utility ( )**




**Browser Remote ( )**



# Transferring Images to an FTP Server

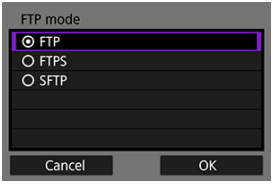
By connecting to an FTP server, you can transfer images stored in the camera to a computer.
With FTP transfer, you can automatically transfer images to the FTP server as you shoot or transfer a set of shots together.

- Configuring FTP Server Connection Settings
- Transferring Images Individually
- Batch Transfer
- Transferring Images with a Caption
- Auto Retry if Transfer Fails
- Viewing Transferred Images

# Configuring FTP Server Connection Settings

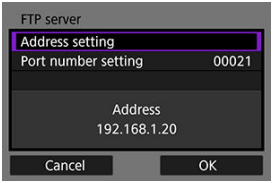
These instructions are continued from Configuring Settings for the Communication Function.

1. **Select an FTP mode.**




- To perform a secure FTP transfer using a root certificate, select [**FTPS**]. For root certificate settings, see Importing a Root Certificate for FTPS.
- To perform a secure FTP transfer using an SSH connection, select [**SFTP**]. Configure the login settings to be used in step 5.
- Select [**OK**] to proceed to the next screen.

2. **Select [Address setting].**



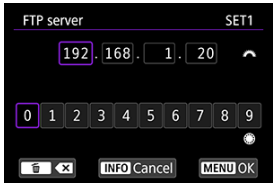

- Select [**OK**] to proceed to the next screen.
- If you have set the IP address setting to [**Auto setting**] or the DNS address setting to [**Manual setting**], the virtual keyboard is displayed.
- If you have set the DNS address setting to [**Disable**], the number entry screen is displayed.

## 3. Enter the FTP server's IP address.

**When Using the Virtual Keyboard**

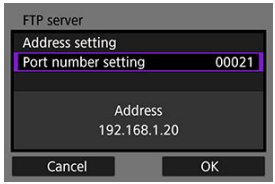

- Enter the IP address with the virtual keyboard ( ). If DNS is used, enter the domain name.
- To set the entered values and return to the screen in step 2, press the < MENU > button.

**When Using the Number Entry Screen**



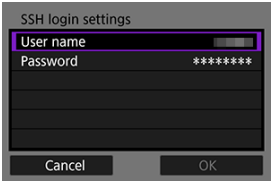

- Use < > to select the input position in the upper area and use < > to select a number. Press < SET > to enter the selected number.
- To set the entered values and return to the screen in step 2, press the < MENU > button.

## 4. Set the port number.



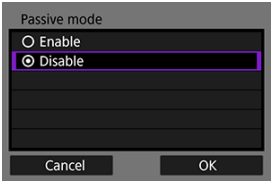

- [**Port number setting**] is usually 00021 (FTP/FTPS) or 00022 (SFTP).
- Select [**OK**] to proceed to the next screen.
- If you selected [**FTP**] or [**FTPS**] in step 1, go to step 6. If you selected [**SFTP**], go to step 5.

## 5. Configure the SSH login authentication settings.



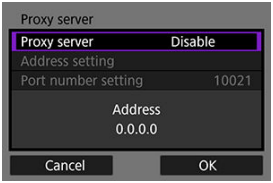

- Select [**User name**] and [**Password**] and enter the user name and password for SSH password authentication with the displayed virtual keyboard ( ).
- Select [**OK**] to proceed to the next screen.

## 6. Set the passive mode.



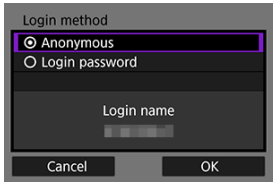

- This is not displayed if you selected [**SFTP**] in step 1.
- Select [**OK**] to proceed to the next screen.
- If "Error 41: **Cannot connect to FTP server**" is displayed in step 9, setting [**Passive mode**] to [**Enable**] may resolve the error.

## 7. Set the proxy server.



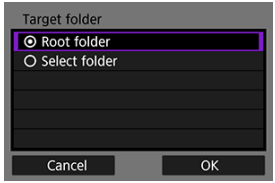

- This is not displayed if you selected [**FTPS**] or [**SFTP**] in step 1.
- Select [**OK**] to proceed to the next screen.

## 8. Set the login method.

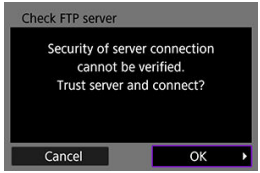



- This is not displayed if you selected [**SFTP**] in step 1.
- Select [**OK**] to proceed to the next screen.

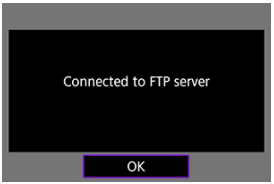
## 9. Set the target folder.




- Select [**Root folder**] to have images saved in the root folder as specified in the FTP server settings ( ).
- Select [**Select folder**] to specify a target folder in the root folder. If no folder exists, a folder will be created automatically.
- Select [**OK**] to proceed to the next screen.
- The < LAN > lamp on the camera will light in green.
- When the following screen is displayed, select [**OK**] to trust the destination server.

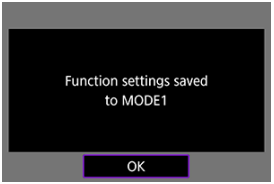


10. **Select [OK].**




- This is not displayed for offline settings.

11. **Select [OK].**



12. **Select [OK].**


- The [**Network settings**] screen will reappear.
- Settings information is stored in the camera. It is not stored in the transmitter.

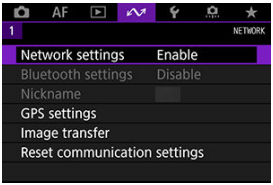
The connection settings for FTP transfer are now complete.
During image transfer, the < LAN > lamp on the transmitter blinks in green.

## Importing a Root Certificate for FTPS

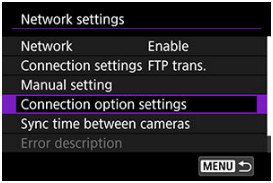
If the FTP mode is set to [**FTPS**] when configuring the connection settings, the root certificate corresponding to the FTPS server to connect to must be imported to the camera.

- Only a root certificate whose file name is "**ROOT.CER**", "**ROOT.CRT**", or "**ROOT.PEM**" can be imported to the camera.
- Only one root certificate file can be imported to the camera. Insert a card containing the root certificate file in advance.
- The card from which a certificate can be imported is the card preferentially specified in [: **Record func+card/folder sel.**]'s [**Record/play**] or [**Playback**] settings.
- The connected server may not be trustworthy if an FTPS connection is established by using a self-signed certificate.

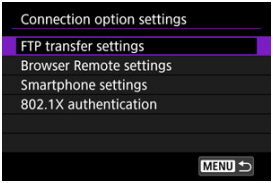
1. **Select [: Network settings].**



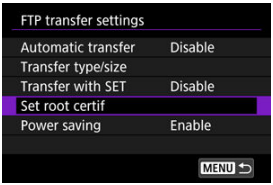
2. **Select [Connection option settings].**



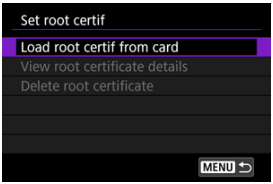

3. **Select [FTP transfer settings].**




4. **Select [Set root certif].**




5. **Select [Load root certif from card].**



6. **Select [OK].**


- The root certificate is imported.
- Select [**OK**] on the confirmation dialog to return to the [**Set root certif**] screen.

**Note**

- Select [**Delete root certificate**] on the screen in step 5 to delete the root certificate imported to the camera. Select [**View root certificate details**] to check the issuer, subject, validity period, and other information.

# Transferring Images Individually

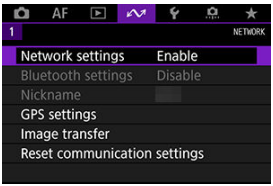


## Automatic Image Transfer After Each Shot

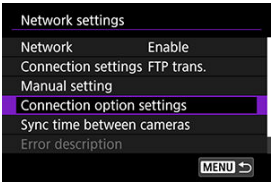
An image can be automatically transferred to the FTP server immediately after shooting. You can also continue still photo shooting even while images are being transferred.

- Before shooting, be sure to insert a card into the camera. If you shoot without recording images, they cannot be transferred.
- Note that automatic transfer of movies during shooting is not supported. Transfer the images after shooting, referring to Batch Transfer or Transferring Images with a Caption.

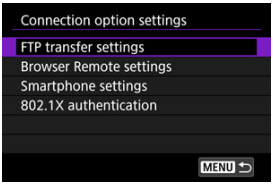
1. **Select [: Network settings].**



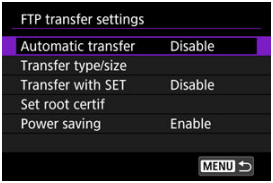

2. **Select [Connection option settings].**



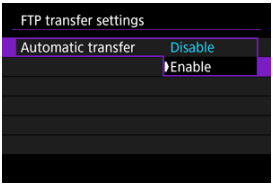
3. **Select [FTP transfer settings].**




4. **Select [Automatic transfer].**




5. **Select [Enable].**




6. **Take the picture.**
   - The captured image is transferred to the FTP server.

**Caution**

- Images cannot be erased during image transfer.
- No voice memo can be added when [**Automatic transfer**] is set to [**Enable**].

**Note**

- During continuous shooting, images are transferred to the FTP server in the order they are captured.
- The captured images are also stored on the card.
- Any images for which transfer is interrupted or fails will be transferred automatically when the connection is recovered ( ). These images can also be re-transferred in batch at a later time ( ).
- If network settings such as the connected FTP server are changed before FTP auto retry starts, FTP auto retry will not occur.

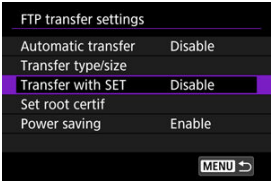
## Transferring the Current Image

Simply play back images and press < (SET) > to transfer them. You can also continue still photo shooting even while images are being transferred.

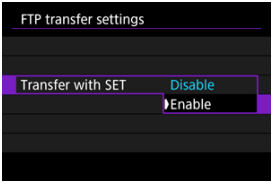
1. **Display the [FTP transfer settings] screen.**

   - Perform the actions in steps 1 to 3 of Automatic Image Transfer After Each Shot.

2. **Select [Transfer with SET].**




3. **Select [Enable].**




4. **Select an image.**

   - Press the < ▶ > button on the camera.
   - Select the image to transfer, then press < (SET) > to transfer the image.
   - A voice memo can be added to the played back image before it is transferred. For details, refer to the EOS-1D X Mark III Instruction Manual.
   - Movies cannot be transferred this way. Selecting a movie and pressing < (SET) > will display the movie playback panel.

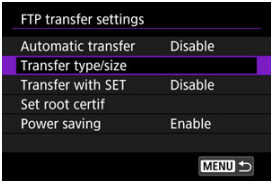
## Selecting the Size and Type of Images to Transfer

You can configure settings for when images with different sizes have been recorded on the CFexpress card at the same time, or specify how to transfer images shot in the RAW+JPEG or RAW+HEIF format.

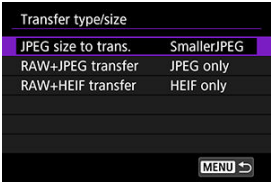
1. **Display the [FTP transfer settings] screen.**

   - Perform the actions in steps 1 to 3 of Automatic Image Transfer After Each Shot.

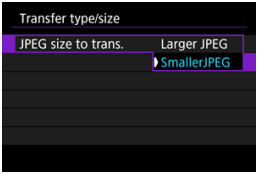
2. **Select [Transfer type/size].**




3. **Select the size of the images to transfer.**

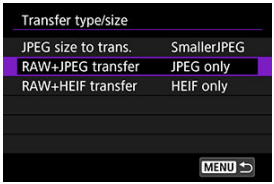



   - Select [**JPEG size to trans.**], then select either [**Larger JPEG**] or [**SmallerJPEG**].

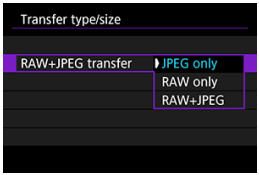



   - If you want to transfer JPEG small images when images are specified to be recorded as JPEG large on one CFexpress card and JPEG small on another card, specify [**JPEG size to trans.**: **SmallerJPEG**].

## 4. Select the type of images to transfer.




- **RAW+JPEG transfer**




  - Select [**RAW+JPEG transfer**], then select [**JPEG only**], [**RAW only**], or [**RAW+JPEG**].

- **RAW+HEIF transfer**


  - Select [**RAW+HEIF transfer**], then select [**HEIF only**], [**RAW only**], or [**RAW+HEIF**].

**Note**

- If images are specified to be recorded as RAW on one CFexpress card and JPEG or HEIF on another card, determine the image to be transferred by using the [**RAW +JPEG transfer**] or [**RAW+HEIF transfer**] setting. Also use this setting when RAW +JPEG or RAW+HEIF images are simultaneously recorded on a single card.
- The captured images are also stored on the card.
- If images of the same size are simultaneously recorded on two cards, the images recorded on the card that is preferentially specified in [**Record/play**] or [**Play**] under [: **Record func+card/folder sel.**] will be transferred.

# Batch Transfer

After shooting, you can select multiple images as desired and transfer them all at once. You can also transfer unsent images or images that could not be sent previously.
You can also continue still photo shooting even while images are being transferred.

**Caution**

- If you set the camera's Live View shooting/Movie shooting switch to < > when transferring an image, the image transfer will be interrupted. If you set it to < >, the image transfer will resume.

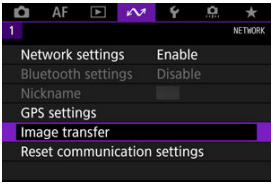

Selecting the Images to Transfer

Selecting Multiple Images

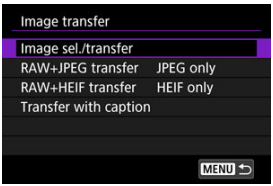
Transferring RAW+JPEG/RAW+HEIF Images


## Selecting the Images to Transfer

1. **Select [: Image transfer].**




2. **Select [Image sel./transfer].**



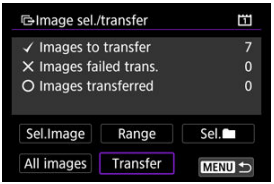
3. **Select [FTP transfer].**


4. **Select [Sel.Image].**


5. **Select the images to transfer.**


- Select the images to transfer by using < ◌ >, then press < (SET) >.
- Display [✓] on the screen's upper left by using < ◌ >, then press < (SET) >.
- If you press the < 🔍 > button and turn < ◌ >counterclockwise, you can select an image from a three-image display. To return to the single-image display, turn < ◌ > clockwise.
- To select other images to transfer, repeat step 5.
- After selecting the images, press < MENU >.

6. **Select [Transfer].**




7. **Select [OK].**


- The selected images are transferred to the FTP server.

## Selecting Multiple Images

You can select the selection method and transfer multiple images. You can also continue still photo shooting even while images are being transferred.

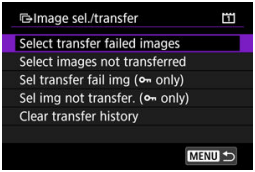
1. **Display the [Image sel./transfer] screen.**

   - Perform the actions in steps 1 to 3 of Selecting the Images to Transfer.

2. **Selecting the method of selection.**

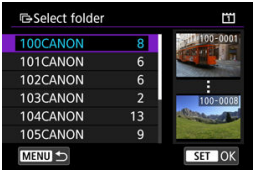
## In a folder

- Select [**Sel.**[redacted]].
- Select the method of selection you want to use.




- Selecting [**Select transfer failed images**] selects all images in the selected folder for which transfer failed.
- Selecting [**Select images not transferred**] selects all unsent images in the selected folder.
- When [**Sel transfer fail img (🔑 only)**] is selected, protected images in the selected folder whose transfer has failed are selected.
- When [**Sel img not transfer. (🔑 only)**] is selected, protected images in the selected folder that have not yet been transferred are selected.
- Selecting [**Clear transfer history**] clears the transfer history of images in the selected folder.
- After clearing the transfer history, you can select [**Select images not transferred**] and transfer all images in the folder again.
- When [**Sel img not transfer. (🔑 only)**] is selected after the transfer history has been cleared, all the protected images in the folder are transferred again.

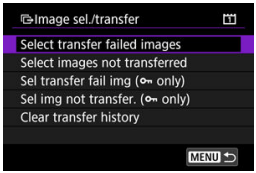
- Select the folder.



- When [**OK**] is selected, the selected image is transferred to the FTP server.

## In a card

- Select [**All images**].
- Select the method of selection you want to use.




  - When [**Select transfer failed images**] is selected, images stored on the card whose transfer has failed are selected.
  - When [**Select images not transferred**] is selected, images stored on the card that have not yet been transferred are selected.
  - When [**Sel transfer fail img (🔑 only)**] is selected, protected images stored on the card whose transfer has failed are selected.
  - When [**Sel img not transfer. (🔑 only)**] is selected, protected images recorded on the card that have not yet been transferred are selected.
  - When [**Clear transfer history**] is selected, the transfer history of images stored on the card is cleared.
  - When [**Select images not transferred**] is selected after the transfer history has been cleared, all the images stored on the card are transferred again.
  - When [**Sel img not transfer. (🔑 only)**] is selected after the transfer history has been cleared, all the protected images stored on the card are transferred again.

- When [**OK**] is selected, the selected image is transferred to the FTP server.

## Select range

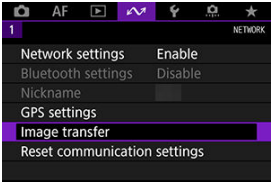
- Select [**Range**].
- Selecting the first and last images of the range marks all the images in the range with a [✓], and one copy of each image will be sent.
- Once image selection is completed, press <MENU>.


- When [**OK**] is selected, the selected image is transferred to the FTP server.

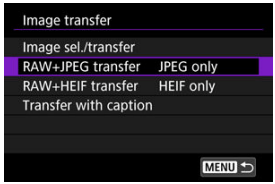
## Transferring RAW+JPEG/RAW+HEIF Images

You can specify how to transfer RAW+JPEG or RAW+HEIF images.

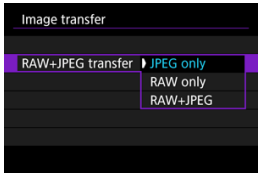
1. **Select [: Image transfer].**



## 2. Select the type of images to transfer.

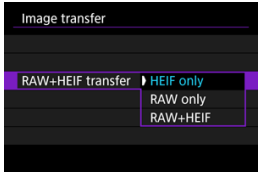



- **RAW+JPEG transfer**




  - Select [**RAW+JPEG transfer**], then select [**JPEG only**], [**RAW only**], or [**RAW+JPEG**].

- **RAW+HEIF transfer**




  - Select [**RAW+HEIF transfer**], then select [**HEIF only**], [**RAW only**], or [**RAW+HEIF**].

**Caution**

- During image transfer, certain menu options cannot be used.

**Note**

- This setting switches in tandem with the [**Transfer type/size**] screen's [**RAW +JPEG transfer**] and [**RAW+HEIF transfer**] settings ( ).
- If you set the camera's Live View shooting/Movie shooting switch to < >, the image transfer in progress will be interrupted.

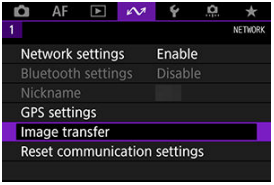
# Transferring Images with a Caption

You can add a registered caption to each image before transfer. This is convenient if you want to inform the recipient of the printing quantity, for example. The caption is also added to images stored in the camera.

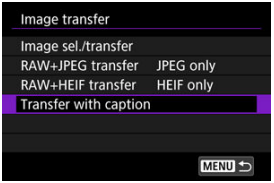
- You can check captions added to images by examining the user comments in the Exif information.
- Use EOS Utility ( ) or Browser Remote ( ) to create and register captions.

---

1. **Select [: Image transfer].**



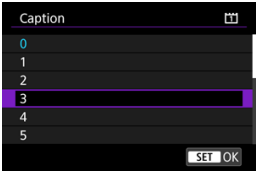

2. **Select [Transfer with caption].**



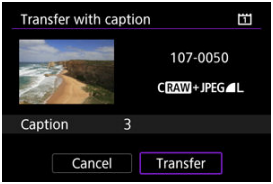

- The last image played back is displayed.

3. **Set a caption.**


- Select [**Caption**] and select the content of the caption on the displayed screen.




4. **Select [Transfer].**




- The image is transferred with the caption. When the transfer is complete, the [**Image transfer**] screen will reappear.

**Caution**

- You cannot manually select images on the [**Transfer with caption**] screen. To select another image for transfer with a caption, play back that image, then follow these steps.

# Auto Retry if Transfer Fails

If transfer fails, the < LAN > lamp on the camera blinks in red. In this case, press the < MENU > button and select [: **Network settings**]. The following screen is displayed. To resolve the error displayed, see the Responding to Error Messages.


Once the cause of the error is eliminated, the images whose transfer previously failed will be re-transferred automatically. With this option activated, transfer is attempted again automatically after failure, whether automatic transfer is used or captured images are transferred via FTP. Note that when you cancel image transfer or turn off the transmitter or camera, the image will not be re-transferred automatically.
See Batch Transfer and transfer the images.

**Note**

- If you prefer not to disconnect from the LAN, set [**Power saving**] on the [**FTP transfer settings**] screen ( ) to [**Disable**].

# Viewing Transferred Images

Images transferred to the FTP server are stored in the following folder as specified in the FTP server settings.

## Target Folder on the FTP Server

- Under the default settings of the FTP server, images are stored in [**C drive**] > [**Inetpub**] folder > [**ftproot**] folder, or in a subfolder of this folder.
- If the root folder of the transfer destination has been changed in the FTP server settings, ask the FTP server administrator where images are transferred.

# Operating Remotely Using EOS Utility

Using EOS Utility, you can view images stored in the camera or save them to a computer. Additionally, you can operate the camera remotely to take a picture or change camera settings using EOS Utility.

- Install EOS Utility on your computer before setting up a connection ( ).


- Configuring EOS Utility Connection Settings
- Using EOS Utility
- Direct Transfer
- Creating and Registering Captions

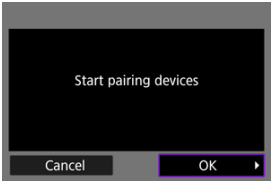
# Configuring EOS Utility Connection Settings

These instructions are continued from Configuring Settings for the Communication Function.

- To establish a connection, operations on the computer are required. For details, refer to the computer's instruction manual.

## Operation on the camera - 1

1. **Select [OK].**



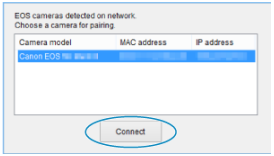

- The following message is displayed.


"*******" represents the last six digits of the MAC address of the transmitter.

2. **Start EOS Utility on the computer.**
3. **In EOS Utility, click [Pairing over Wi-Fi/LAN].**


- If a firewall-related message is displayed, select [**Yes**].

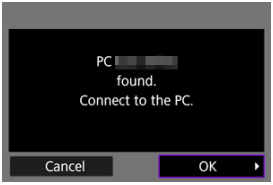
4. **Click [Connect] on the computer.**




- Select the camera to connect to, then click [**Connect**].
- If multiple cameras are displayed, identify the camera to connect to by the MAC address displayed on the camera's monitor.
- The MAC address of the transmitter can also be checked on the [**MAC address**] screen ( ).

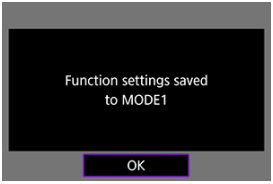
## Operations on the camera - 2

5. **Select [OK].**

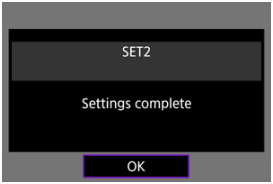



- When the camera detects the computer on which you clicked [**Connect**] in step 4, the above screen is displayed.
- Select [**OK**] to proceed to the next screen.

6. **Select [OK].**




7. **Select [OK].**



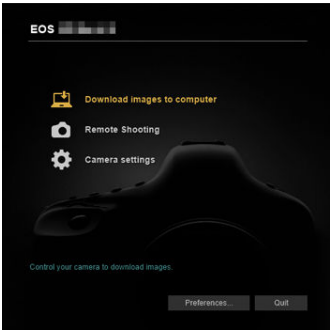

- The [**Network settings**] screen will reappear.
- The < LAN > lamp on the camera will light in green.
- Settings information is stored in the camera. It is not stored in the transmitter.

The settings for connecting to EOS Utility are now complete.

- There is no need to complete pairing again if you continue using the camera to which the transmitter is attached and the computer together after pairing without changing the settings.

# Using EOS Utility

For EOS Utility instructions, refer to the EOS Utility Instruction Manual. In addition to remote shooting, various camera operations are available.




**Caution**

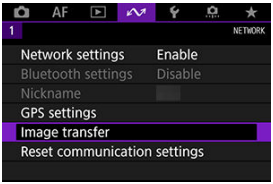
- While connected, some menu items are unavailable.
- In remote shooting, the AF speed may become slower.
- Depending on the connection status, image display or shutter release may be delayed.
- In Remote Live View shooting, the rate of image transmission is slower compared to a connection via an interface cable. Therefore, moving subjects cannot be displayed smoothly.

# Direct Transfer

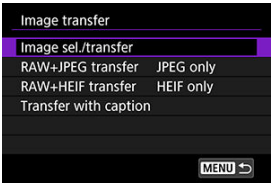
When connected to EOS Utility and while the main screen of EOS Utility is displayed, you can transfer images to a computer using the camera.

## Selecting the Images to Transfer

1. **Select [: Image transfer].**




2. **Select [Image sel./transfer].**




3. **Select [Direct transfer].**

4. **Select [Sel.Image].**


5. **Select the images to transfer.**


- Select the images to transfer by using < ◌ >, then press < (SET) >.
- Display [✓] on the screen's upper left by using < ◌ >, then press < (SET) >.
- If you press the < 🔍 > button and turn < ◌ >counterclockwise, you can select an image from a three-image display. To return to the single-image display, turn < ◌ > clockwise.
- To select other images to transfer, repeat step 5.
- After selecting the images, press < MENU >.

6. **Select [Transfer].**

7. **Select [OK].**


- The selected images are transferred to the computer.

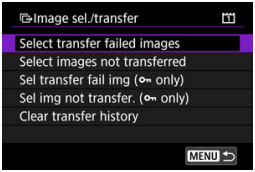
## Selecting Multiple Images

You can select the selection method and transfer multiple images.

1. **Display the [Image sel./transfer] screen.**
   - Perform the actions in steps 1 to 3 of Selecting the Images to Transfer.
2. **Selecting the method of selection.**

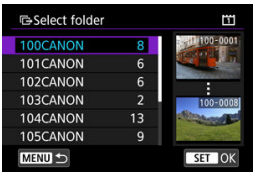
## In a folder

- Select [**Sel.**[redacted]].
- Select the method of selection you want to use.




  - Selecting [**Select transfer failed images**] selects all images in the selected folder for which transfer failed.
  - Selecting [**Select images not transferred**] selects all unsent images in the selected folder.
  - When [**Sel transfer fail img (🔑 only)**] is selected, protected images in the selected folder whose transfer has failed are selected.
  - When [**Sel img not transfer. (🔑 only)**] is selected, protected images in the selected folder that have not yet been transferred are selected.
  - Selecting [**Clear transfer history**] clears the transfer history of images in the selected folder.
  - After clearing the transfer history, you can select [**Select images not transferred**] and transfer all images in the folder again.
  - When [**Sel img not transfer. (🔑 only)**] is selected after the transfer history has been cleared, all the protected images in the folder are transferred again.

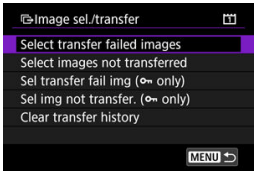
- Select the folder.



- When [**OK**] is selected, the selected image is transferred to the PC.

## In a card

- Select [**All images**].
- Select the method of selection you want to use.




  - When [**Select transfer failed images**] is selected, images stored on the card whose transfer has failed are selected.
  - When [**Select images not transferred**] is selected, images stored on the card that have not yet been transferred are selected.
  - When [**Sel transfer fail img (🔑 only)**] is selected, protected images stored on the card whose transfer has failed are selected.
  - When [**Sel img not transfer. (🔑 only)**] is selected, protected images recorded on the card that have not yet been transferred are selected.
  - When [**Clear transfer history**] is selected, the transfer history of images stored on the card is cleared.
  - When [**Select images not transferred**] is selected after the transfer history has been cleared, all the images stored on the card are transferred again.
  - When [**Sel img not transfer. (🔑 only)**] is selected after the transfer history has been cleared, all the protected images stored on the card are transferred again.

- When [**OK**] is selected, the selected image is transferred to the PC.

## Select range

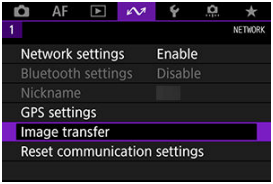
- Select [**Range**].
- Selecting the first and last images of the range marks all the images in the range with a [✓], and one copy of each image will be sent.
- Once image selection is completed, press <MENU>.


- When [**OK**] is selected, the selected image is transferred to the PC.

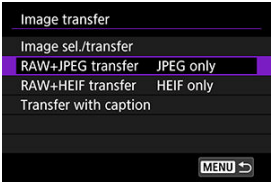
## Transferring RAW+JPEG/RAW+HEIF Images

You can specify how to transfer RAW+JPEG or RAW+HEIF images.

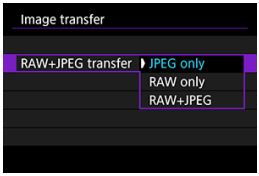
1. **Select [: Image transfer].**




2. **Select the type of images to transfer.**

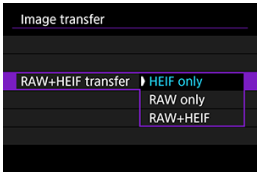


- **RAW+JPEG transfer**




  - Select [**RAW+JPEG transfer**], then select [**JPEG only**], [**RAW only**], or [**RAW+JPEG**].

- **RAW+HEIF transfer**




  - Select [**RAW+HEIF transfer**], then select [**HEIF only**], [**RAW only**], or [**RAW+HEIF**].

**Caution**

- During image transfer, certain menu options cannot be used.

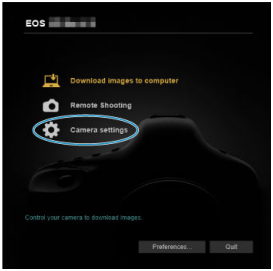
**Note**

- This setting switches in tandem with the [**Transfer type/size**] screen's [**RAW +JPEG transfer**] and [**RAW+HEIF transfer**] settings ( ).

# Creating and Registering Captions

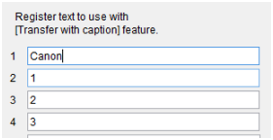
You can create a caption in [Transferring Images with a Caption] and register it to the camera.

1. **Start EOS Utility and select [Camera settings].**



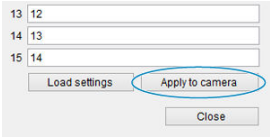

2. **Select [WFT Captions].**


3. **Enter the caption or captions.**




- Enter up to 31 characters (in ASCII format).
- To acquire caption data stored in the camera, select [**Load settings**].

4. **Register the captions to the camera.**




- Select [**Apply to camera**] to register your new captions to the camera.

# Operating the Camera Using Browser Remote

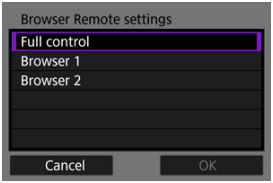
Using a web browser, you can browse and save camera images, shoot remotely, and perform other operations on a computer or smartphone.

- Configuring Browser Remote Connection Settings
- Displaying Browser Remote
- Viewing Images
- Shooting Remotely
- Registering IPTC Information
- Configuring FTP Server Settings
- Creating and Registering Captions
- Coordinating with Linked Shooting

# Configuring Browser Remote Connection Settings

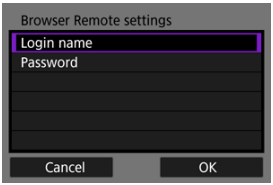
These instructions are continued from Configuring Settings for the Communication Function. Enter a login name and password for connecting to the camera from a computer or smartphone, etc. The login name and password you specify here are used when connecting to the camera.

1. **Select [Full control] or [Browser *].**



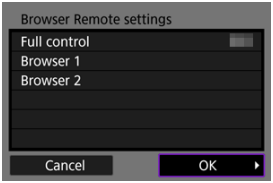

- With Browser Remote, you can connect to the camera from up to three devices at the same time.
- [**Full control**] is an account that allows you to use all functions of Browser Remote. Full control can only be used on one device.
- [**Browser ***] is an account that allows you only to view and save the images in the camera to a device. Browser* can be used on up to two devices.

2. **Set the [Login name] and [Password].**

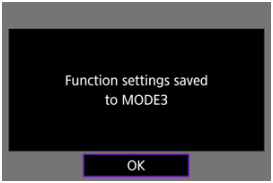



- Select [**Login name**] and [**Password**] and enter the user name and password using the displayed virtual keyboard ( ).
- Select [**OK**] to return to the screen in step 1. Perform the actions in steps 1 and 2 for the account to be used.

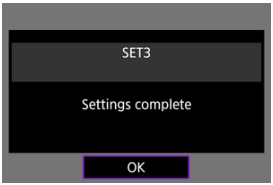
3. **Select [OK].**




4. **Select [OK].**




5. **Select [OK].**




- The [**Network settings**] screen will reappear.
- Settings information is stored in the camera. It is not stored in the transmitter.

The connection settings for Browser Remote are now complete.

**Note**

- Select [**Browser Remote settings**] from [**Connection option settings**], and you can change the WFT account settings on the [**WFT account**] screen ( ). Port number settings can also be changed on the [**Browser Remote settings**] screen by selecting [**Port no. (HTTP)**] or [**Port no. (HTTPS)**]. Note that there is normally no need to change the port number (HTTP: 80, HTTPS: 443).

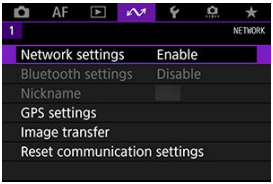
# Displaying Browser Remote

Log in to "Browser Remote" on the camera from a web browser. Connect the camera to a computer, smartphone, etc., via LAN in advance.

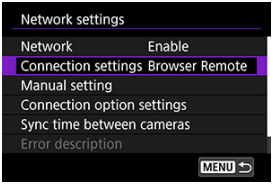
## Checking the Camera's IP Address

To access the camera from a web browser, the camera's IP address displayed in step 5 must be entered in the address field of the web browser.

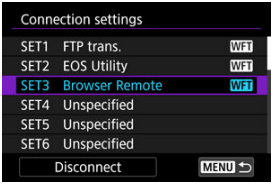
1. **Select [: Network settings].**



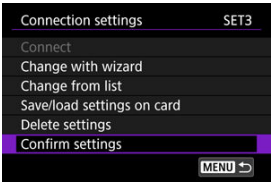

2. **Select [Connection settings].**




3. **Select [SET* Browser Remote].**

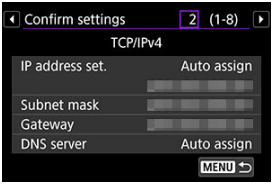


4. **Select [Confirm settings].**




- The settings are displayed.

5. **Check the settings.**



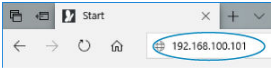

- Use< ◌ > to display other screens.
- Write down the IP address.
- After checking it, press the < MENU > button to exit the confirmation dialog.

## Logging in to Browser Remote

6. **Start the web browser.**

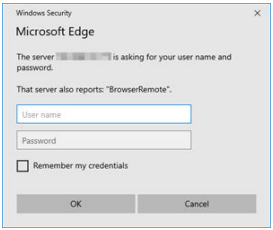
   - Start the web browser on the computer, smartphone, etc.

7. **Enter the URL.**



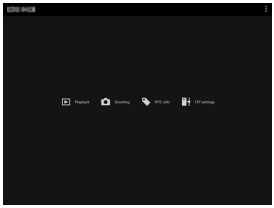

   - In the address field, enter the IP address you wrote down in step 5.
   - Press the <**Enter**> key.

8. **Enter the [Login name] and [Password].**

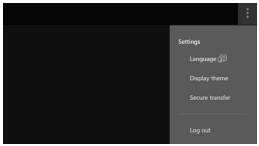



   - Enter the [**Login name**] (user name) and [**Password**] that you set in Configuring Browser Remote Connection Settings.
   - Press [**OK**] to display the Browser Remote top menu screen.

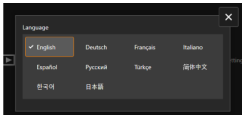
9. **Configure default settings as required.**



- Select [⋮] to display the menu.

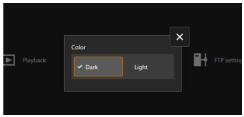



- **Language**



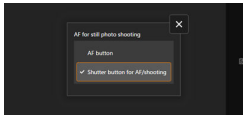

You can select the display language.

- **Display theme**



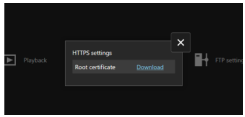

You can set the background color for Browser Remote. Select [**Dark**] or [**Light**].

- **AF for still photo shooting**




This is displayed when [**Shooting**] is selected in step 9.
You can specify how to operate auto focus during still photo shooting. Select [**AF button**] or [**Shutter button for AF/shooting**].

- **Secure transfer**




When connecting to an FTP server using HTTPS communication, you can download a root certificate or confirm access to the FTP server.

- **Log out**
Press this to terminate the connection to Browser Remote.

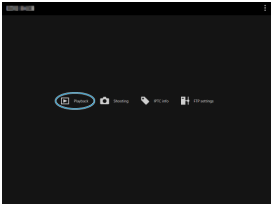
**Caution**

- Browser Remote cannot be used unless the web browser supports JavaScript.
- While connected, some menu items are unavailable.

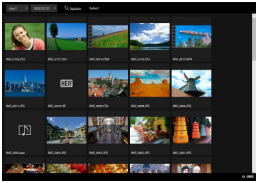
# Viewing Images

You can browse images on the camera's card as follows.

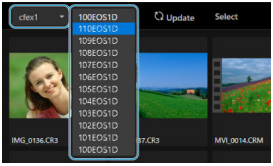
1. **Select [Playback].**



- The image viewing screen is displayed.

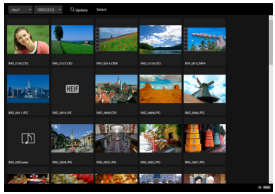


2. **Select the card and folder.**

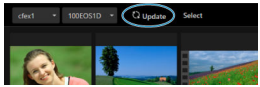



- Select the card from the pull-down menu on the left.
- Select the folder from the pull-down menu on the right.

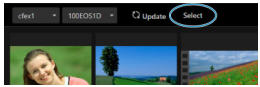
## 3. View the images.



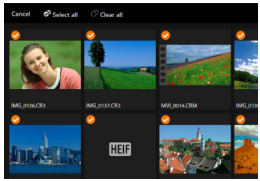
- When [**Update**] is selected, the images added will be displayed.




- Select [**Select**] to make multiple images selectable.



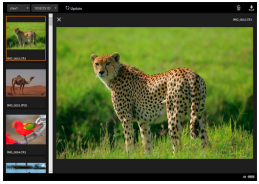

Select a thumbnail to select that image. Select the thumbnail again to clear the selection.
Select [**Select all**] to select all images on the image viewing screen.
Select [**Clear all**] to clear all the selections.



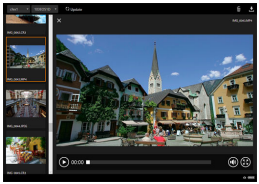

Select [**Cancel**] to return to the image viewing screen.

- When you select a thumbnail, the screen changes to the playback screen and the image is displayed in a larger size.

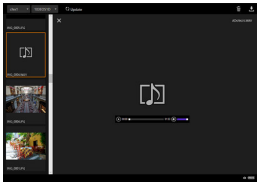
**Still Photo Playback Screen**



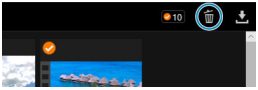
**Movie Playback Screen**



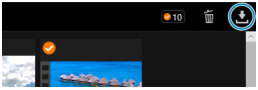
**Audio Playback Screen**



- Selecting [🗑] while an image is selected erases that image.



- Selecting [⬇] while an image is selected downloads the file to a computer or smartphone, etc.



**Note**

- Note that depending on the performance of the computer or smartphone, or the browser used, images may display slowly or not at all, and downloading images to a device may not be possible.

# Shooting Remotely

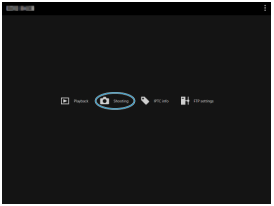
You can use Browser Remote to shoot remotely.


Shooting Still Photos

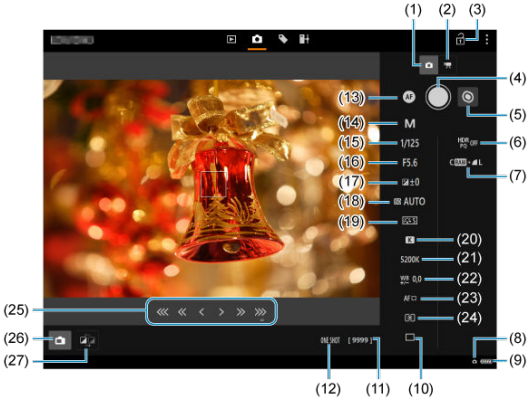
Shooting Movies


## Shooting Still Photos

1. **Select [Shooting].**

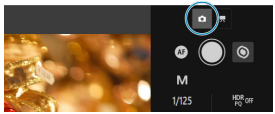



- The remote shooting screen is displayed.


(1)
(2)
(3)
(4)
(5)
(6)
(7)
(8)
(9)
(10)
(11)
(12)
(13)
(14)
(15)
(16)
(17)
(18)
(19)
(20)
(21)
(22)
(23)
(24)
(25)
(26)
(27)
M
1/125
F5.6
±0
AUTO
5200K
0.0
[ 6666 ]

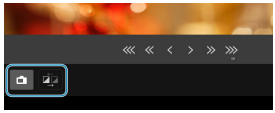
| | |
|---|---|
| (1) | Still photo shooting button |
| (2) | Movie shooting button |
| (3) | Multi function lock icon |
| (4) | Shutter button |
| (5) | MF switching button |
| (6) | HDR shooting |
| (7) | Image-recording quality |
| (8) | Browser Remote connection |
| (9) | Battery |
| (10) | Drive mode |
| (11) | Possible shots |
| (12) | AF operation |
| (13) | AF button |
| (14) | Shooting mode |
| (15) | Shutter speed |
| (16) | Aperture |
| (17) | Exposure compensation |
| (18) | ISO speed |
| (19) | Picture style |
| (20) | White balance |
| (21) | Color temperature |
| (22) | White balance compensation |
| (23) | AF method |
| (24) | Metering mode |
| (25) | MF button |
| (26) | Live View shooting button |
| (27) | Live View image quality switching button |

2. **Select the Still photo shooting button (1).**



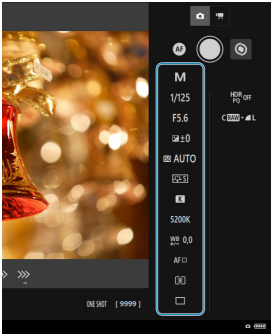

3. **Set the lens's focus mode switch to <AF>.**

4. **Display Live View image.**



- You can toggle between showing and hiding Live View by selecting the Live View shooting button (26).
- To make Live View image display more responsive, select the Live View image quality switching button (27) and lower the Live View image quality. To restore the original quality, select the button again.

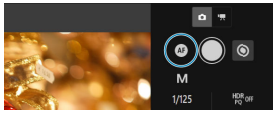
5. **Configure the shooting function settings.**




- Select setting items (such as image-recording quality) to view the setting details, which you can configure.
- Configure the settings as needed.

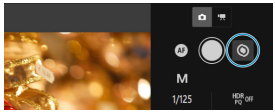
## 6. Adjust the focus.

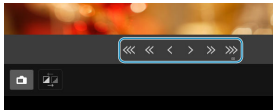
### Using Autofocus




- If you selected [**AF button**] on the [**AF for still photo shooting**] menu, AF is performed when the AF button (13) is selected.
- If you selected [**Shutter button for AF/shooting**] on the [**AF for still photo shooting**] menu, AF is performed when the Shutter button (4) is selected and then released during shooting.

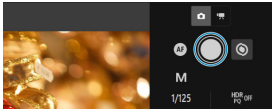
### Focusing Manually



- You can toggle between showing and hiding the MF button (25) by selecting the MF switching button (5).
- Select the MF button (25) to adjust the focus. To focus more closely, press [ « « < ]. To focus farther away, press [ > » » ].
- Three levels of focus adjustment are available.
  [ « « ] [ » » ]: Largest increment
  [ « ] [ » ]: Intermediate increment
  [ < ] [ > ]: Smallest increment

## 7. Take the picture.



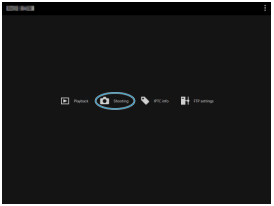

- Press the Shutter button (4). When you let go of the button, the picture is taken.
- Captured images are stored on the camera's card.
- To view or download images, see Viewing Images.

**Caution**

- Depending on the connection status, image display or shutter release may be delayed.
- When the Camera's Live View shooting/Movie shooting switch is set to <>, still photo shooting is not possible.

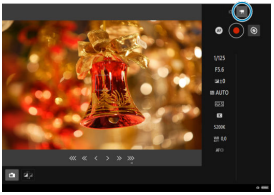
## Shooting Movies

1. **Select [Shooting].**



- The remote shooting screen is displayed.

2. **Select the Movie shooting button (2).**

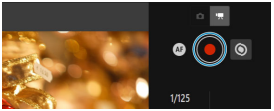


3. **Configure the settings as needed.**

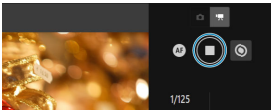
- Perform the actions in steps 3 to 6 under Shooting Still Photos.

## 4. Take the picture.

**During Movie Shooting Standby**




**During Movie Shooting**



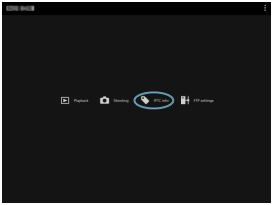

- Select the Shutter button (4). When you let go of the button, movie shooting will start.
- During movie shooting, the red [○] on the Shutter button (4) changes to a white [□].
- Press the Shutter button (4) again. When you let go of the button, movie shooting will stop.

⚠ **WARNING**
**Do not hold the camera in the same position for long periods of time.**
Even if the camera does not feel too hot, prolonged contact with the same body part may cause skin redness or blistering due to low-temperature contact burns. The use of a tripod or similar equipment is recommended when using the product in hot places and for people with circulation problems or less sensitive skin.

# Registering IPTC Information

You can edit and register the IPTC* information in the camera (captions, credits, comment information such as shooting location). You can add IPTC information registered in the camera to captured images.
* International Press Telecommunications Council

1. **Select [IPTC info].**

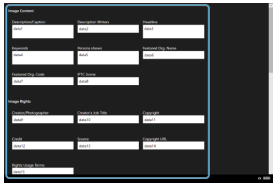



- The screen for editing IPTC information is displayed.

2. **Select [Load from file].**

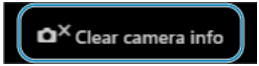

- If you select [**Load from file**], you can load the IPTC information saved by EOS Utility (in XMP format).

3. **Edit and register the information as required.**



- Select [**Add to camera**] to apply the edited IPTC information to the camera.


- Select [**Clear camera info**] to erase all the IPTC information registered in the camera.



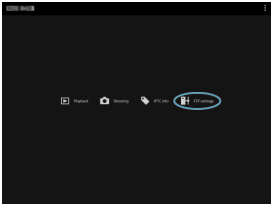

[ 8: **Add IPTC information**] will also be set to [OFF].

- Select [**Clear**] to clear all the IPTC information.

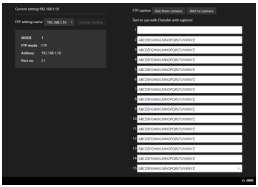
# Configuring FTP Server Settings

When transferring images to an FTP server during remote shooting, you can change the FTP server that will transfer the images using the camera's connection settings ( ).

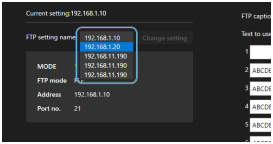
1. **Select [FTP settings].**




- The FTP settings screen is displayed.



2. **Select the connection settings in which the FTP server that you want to use is registered.**



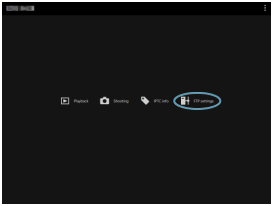

3. **Select [Change setting].**


- The camera's connection settings change to the selected settings.

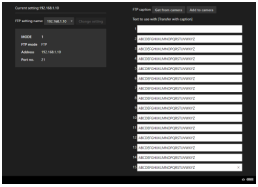
# Creating and Registering Captions

You can create a caption in [Transferring Images with a Caption] and register it to the camera.

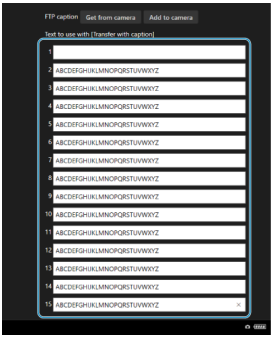
1. **Select [FTP settings].**




- The FTP settings screen is displayed.

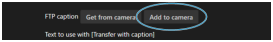


## 2. Enter the caption or captions.




- Enter up to 31 characters (in ASCII format).
- To acquire caption data stored in the camera, select [**Get from camera**].

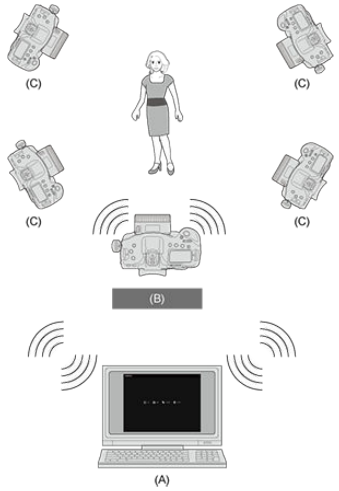
## 3. Register the captions to the camera.




- Select [**Add to camera**] to register your new captions to the camera.

# Coordinating with Linked Shooting

Remote shooting with Browser Remote can be used in conjunction with the transmitter's linked shooting function ( ).



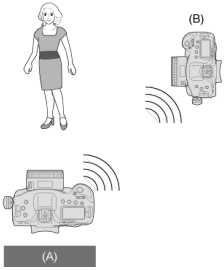

(A) Browser Remote

(B) Sender Camera

(C) Receiver Camera

# Linked Shooting

Linked Shooting lets you link up to 10 receiver cameras to the sender camera on which you will release the shutter.
As long as a camera supports linked shooting with a WFT-E9-series transmitter attached, you can use the camera as a receiver.
Note that there will be a slight delay in the shutter release timing between the sender camera and the receiver camera. Movie shooting is not supported.




(A) Sender Camera

(B) Receiver Camera

- Basic Linked Shooting
- Positioning the Cameras
- Using Browser Remote

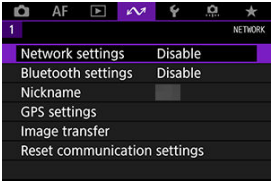
# Basic Linked Shooting

Link the sender camera and the receiver cameras for basic linked shooting.

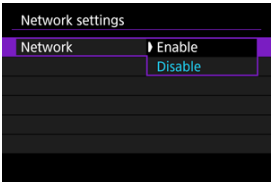
## Preparing the Sender Camera

First, configure settings on the camera that will be used as the sender.

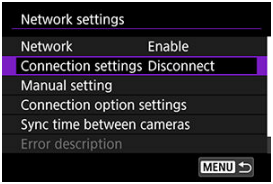
1. **Press the < MENU > button on the camera.**
2. **Select [: Network settings].**



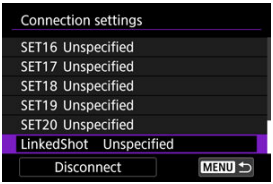

3. **Select [Enable].**




4. **Select [Connection settings].**

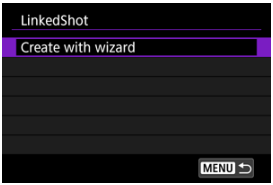


5. **Select [LinkedShot].**



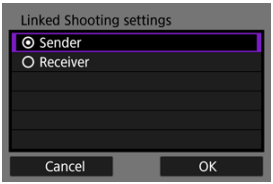

- Use < ◌ > and select [**LinkedShot**] located at the bottom.

6. **Select [Create with wizard].**



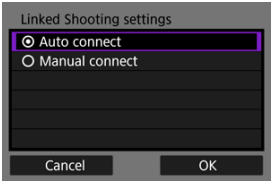

- Select [**OK**] to proceed to the next screen.

7. **Select [Sender].**




- Select [**OK**] to proceed to the next screen.

8. **Select [Auto connect].**

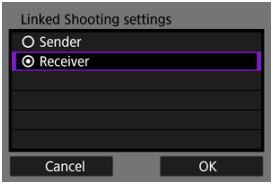



- Select [**OK**] to proceed to the next screen.
- Stay on the displayed screen.
- To configure the settings manually, see Using Browser Remote.

## Preparing the Receiver Cameras

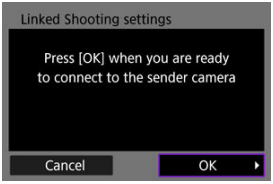
Configure settings on the camera used as the receiver.

1. **Perform Step 1 through 6 for "Preparing the Sender Camera".**
2. **Select [Receiver].**

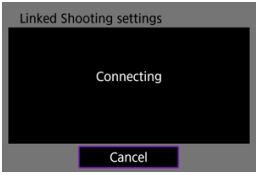



- Select [**OK**] to proceed to the next screen.

3. **Select [OK].**




- The following screen is displayed.



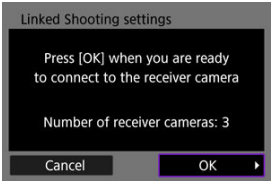

- To use more than one receiver camera, repeat Step 2 and 3 for all the receiver cameras.
- Once setup is complete, no more receiver cameras can be added. You need to configure the settings again starting from Step 1.
- The sender camera's monitor displays the number of receiver cameras that are detected.

## Connecting the Sender Camera and Receiver Cameras

Configure settings on the sender camera and the receiver camera to establish a connection.

1. **Perform Step 1 through 6 for "Preparing the Sender Camera" and Step 1 through 3 for "Preparing the Receiver Cameras".**

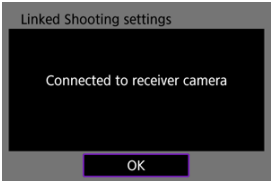
2. **Select [OK] on the sender camera.**



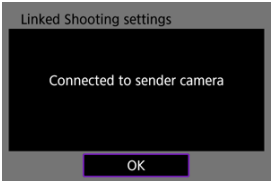

- Check the number of receiver cameras that are connected, and then select [**OK**].
- Once the cameras are connected, the following screen is displayed.

3. **Select [OK] on all the cameras.**

**Sender Camera**

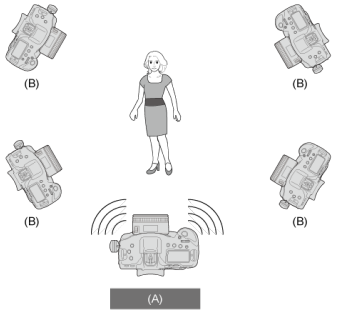



**Receiver Camera**




- The [**Network settings**] screen will reappear.
- Settings information is stored in the camera. It is not stored in the transmitter.

# Positioning the Cameras




(A) Sender Camera
(B) Receiver Camera

- Set the camera's Live View shooting/Movie shooting switch to < >.
- Position the receiver cameras in clear view of the sender camera, without objects between them.
- Receiver cameras can be positioned up to approx. 50 m / 164 ft. from the sender camera. However, the distance supported for linked shooting may be shorter depending on the wireless communication conditions, which are affected by how the cameras are positioned, the usage environment, and weather conditions.
- Pressing the shutter button halfway on the sender camera will also put the receiver cameras in a state corresponding to when their shutter buttons are pressed halfway. Similarly, fully pressing the shutter button on the sender camera will also put the receiver cameras in a state corresponding to when their shutter buttons are fully pressed.
- There will be a slight delay in the shutter release timing between the sender and receiver cameras. (Simultaneous shooting is not possible.)

**Caution**

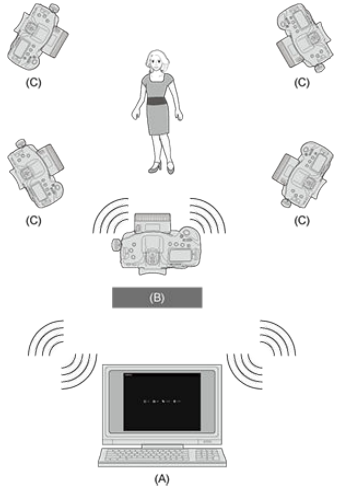
- Do not use multiple flash units. Although slight, there is a difference in the shutter release timing, which may cause out-of-sync flash firing and inadequate exposure.

**Note**

- During linked shooting, when you press the AE lock or depth-of-field preview button, the camera adjusts the focus and meters as if you had pressed the shutter button halfway.
- Once you have established a connection between the sender camera and receiver cameras, the settings are retained even after you replace the batteries.
- If you will no longer use a receiver camera in linked shooting, go to [**Connection settings**] and set [**LinkedShot**] to [**Disconnect**].

# Using Browser Remote

Using Browser Remote, you can shoot remotely with a sender camera linked to receiver cameras that are set to shoot consecutively.




(A) Browser Remote

(B) Sender Camera

(C) Receiver Camera

Connecting the Sender Camera and Receiver Cameras

Checking the Camera's IP Address and SSID

IP Addresses Assigned to a Computer

Connecting the Sender Camera with a Computer

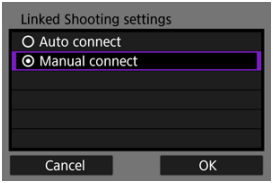
Viewing Images and Shooting Remotely

## Connecting the Sender Camera and Receiver Cameras

1. **Prepare the sender camera.**

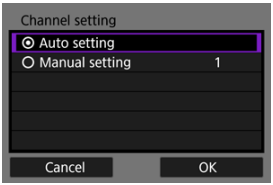
   - Perform Step 1 through 7 for "Preparing Sender Camera" described in Basic Linked Shooting.

2. **Select [Manual connect].**



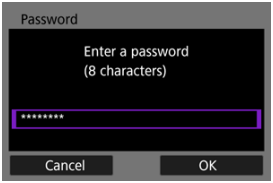

   - Select [**OK**] to proceed to the next screen.

3. **Specify the channel.**




   - When selecting [**Manual setting**], specify the same channel on the sender camera and receiver cameras, as well as on the computer.
   - Select [**OK**] to proceed to the next screen.

4. **Specify the password.**




- Press < (SET) > to display the virtual keyboard ( ) and enter an eight-digit password.
- Use the password configured here when you connect the sender camera with a computer.
- Select **[OK]** to proceed to the next screen.
- Stay on the displayed screen.

5. **Prepare the receiver cameras.**

- Perform Step 2 and 3 for "Preparing Receiver Cameras" in Basic Linked Shooting.

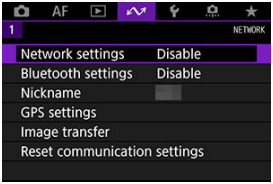
6. **Connect the sender camera and receiver cameras.**

- Perform Step 2 and 3 for "Connecting the Sender Camera and Receiver Cameras" described in Basic Linked Shooting.

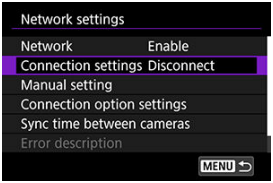
## Checking the Camera's IP Address and SSID

To access the camera from a computer, the camera's IP address and SSID displayed in Step 5 must be entered.

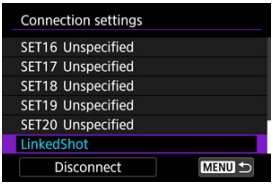
1. **Select [: Network settings].**




2. **Select [Connection settings].**

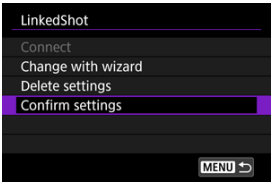



3. **Select [LinkedShot].**



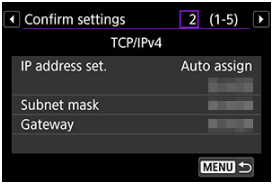

- Use < > and select [**LinkedShot**] located at the bottom.

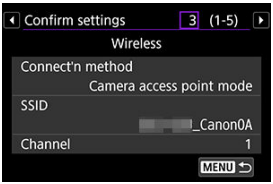
4. **Select [Confirm settings].**




- The settings are displayed.

5. **Check the settings.**




- Use < ◌ > to switch pages.
- Write down the IP address and SSID.
- The SSID is the same for all cameras.
- Once you have verified the settings, press the < MENU > button to exit the confirmation dialog.

- Confirm the settings on the sender camera and all the receiver cameras with the same procedure.

## IP Addresses Assigned to a Computer

If you set the computer's IP address setting to auto acquisition or manual setting, assign an IP address that is different from the IP addresses of the sender camera and receiver camera that you noted in Step 5 of Checking the Camera's IP Address and SSID.

## Connecting the Sender Camera with a Computer

To connect the sender camera with your computer, use the wireless LAN device search function that is available on the computer.

- For details of the wireless LAN search function, refer to the computer's instruction manual.
- Before you perform this operation, set up your WFT account on the [**Browser Remote settings**] screen in advance ( ).

1. **From your computer, find the sender camera on the network.**
   - Use your computer's wireless LAN device search function that is available on the computer.
2. **Connect to the sender camera.**
   - Select a device having the same ID as the sender camera's SSID you noted in Step 5 of Checking the Camera's IP Address and SSID.
   - In the password field, enter the password specified in Step 4 of Connecting the Sender Camera and Receiver Cameras.
   - Your computer is now connected to the sender camera.
3. **Display Browser Remote.**
   - For the operation procedure, see Operating the Camera Using Browser Remote.
   - For the URL entry field, enter the IP address of the sender camera you noted in Step 5 of Checking the Camera's IP Address and SSID.
   - To log in, enter the WFT account information ([**Login name**] (user name) and [**Password**]) you set up in advance.

## Viewing Images and Shooting Remotely

- For the operation procedure of Browser Remote, see Operating the Camera Using Browser Remote.
- You can switch the camera to connect by entering the IP address of the sender camera on a web browser.

# Synchronizing the Camera Time

You can synchronize the time for multiple EOS-1D X Mark III units with WFT-E9 attached. The camera that sets the time to synchronize is called the "sender camera," and the camera that synchronizes with the time of the sender camera is called the "receiver camera." Up to 10 receiver cameras can be synchronized.

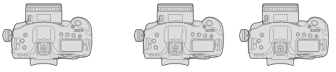
- Preparing for Time Synchronization
- Synchronizing the Time

**Caution**

- Make sure to perform time synchronization on cameras of the same model. If the sender camera and receiver camera models are different, time synchronization on the receiver camera will not work.
- Note that even after synchronization, there will be a margin of error (plus or minus 0.05 seconds) between sender and receiver camera times.

# Preparing for Time Synchronization

Set up multiple cameras of the same model with the WFT-E9 attached.




(A) Sender Camera

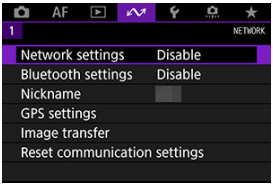
(B) Receiver Camera

# Synchronizing the Time

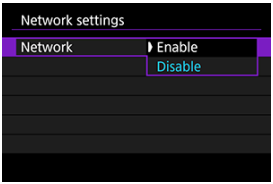
## Preparing the Sender Camera

First, configure settings on the camera that will be used as the sender.

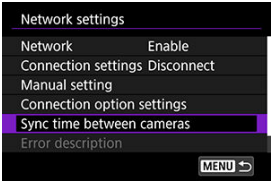
1. **Press the <MENU> button on the camera.**
2. **Select [: Network settings].**




3. **Select [Enable].**

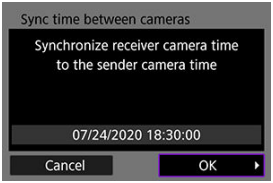



4. **Select [Sync time between cameras].**

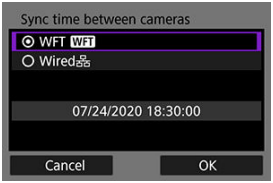



- If another device is connected, [**Set [Connection settings] to [Disconnect]**] will appear. Select [**OK**] to terminate the connection.

5. **Select [OK].**

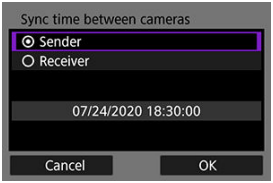



6. **Select [WFT].**




- Select [**OK**] to proceed to the next screen.

7. **Select [Sender].**



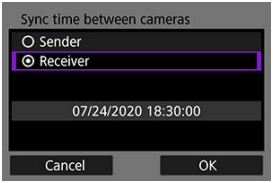

- Select [**OK**] to proceed to the next screen.
- Stay on the displayed screen.

## Preparing the Receiver Cameras

Configure settings on the camera used as the receiver.

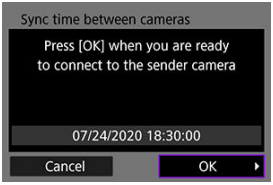
1. **Perform Step 1 through 6 for "Preparing the Sender Camera".**

2. **Select [Receiver].**




- Select [**OK**] to proceed to the next screen.

3. **Select [OK].**



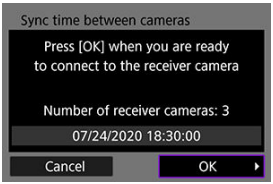

- The following screen is displayed.


- To set the time on more than one receiver camera, repeat Step 2 and 3 for all the receiver cameras.
- The sender camera's monitor displays the number of receiver cameras that are detected.

## Synchronizing the Time Between the Sender Camera and the Receiver Cameras

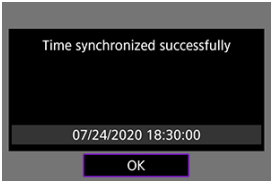
Use the menu on the sender camera and the receiver cameras to synchronize the time between them.

1. **Perform Step 1 through 6 for "Preparing the Sender Camera" and Step 1 through 3 for "Preparing the Receiver Cameras".**
2. **Select [OK] on the sender camera.**




- Check the number of receiver cameras that are connected, and then select [**OK**].
- The next screen is displayed once the time is synchronized.

3. **Select [OK] on all the cameras.**

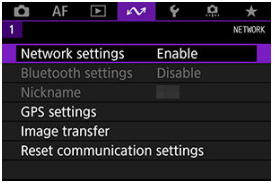


# Terminating the Connection and Reconnecting

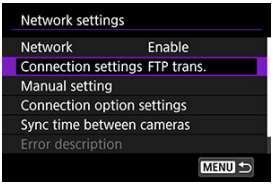
- Terminating the Connection
- Reconnecting

# Terminating the Connection

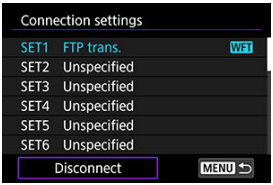
1. **Select [: Network settings].**




2. **Select [Connection settings].**



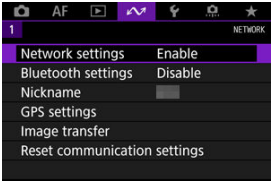

3. **Select [Disconnect].**



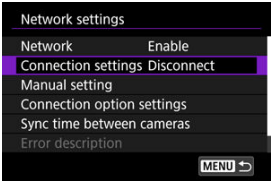

- The connection is terminated.

## Reconnecting

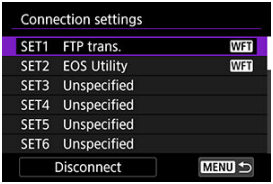
1. **Select [: Network settings].**




2. **Select [Connection settings].**

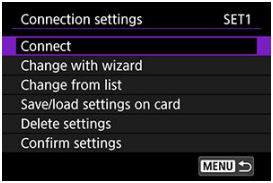



3. **Select [SET*].**

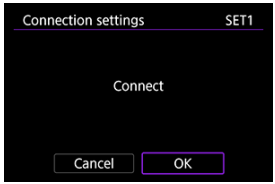



- From the saved settings, select a connection setting you will use.

4. **Select [Connect].**



5. **Select [OK].**




- The connection is re-established.
- If the settings have been modified on the target device, reconfigure the settings for connecting to the camera.

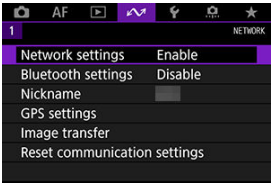
# Checking and Configuring Network Settings

- Checking and Editing Connection Settings
- Editing Connection Settings Manually
- Configuring Connection Option Settings
- Checking the MAC Address

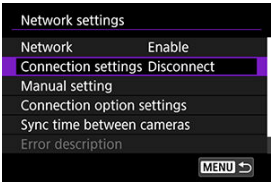
# Checking and Editing Connection Settings

Perform the following procedure to check, edit or delete the connection settings that are saved in the camera.

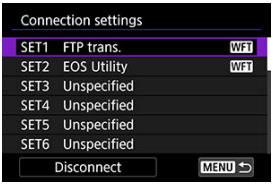
1. **Select [: Network settings].**




2. **Select [Connection settings].**

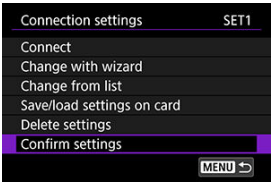



3. **Select [SET*].**

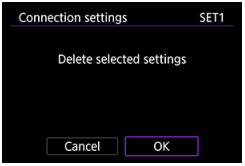



- From the saved settings, select a connection setting you will use.

## 4. Check or change the settings.

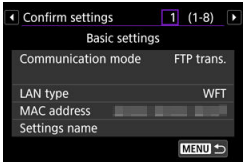



- **Connect**
  - Select this option to reconnect ( ).
- **Change with wizard / Change from list**
  - This option allows you to change the contents of connection settings ( ).
- **Save/load settings on card**
  - This option allows you to save connections settings onto a card or to load connection settings saved on a card ( ).
- **Delete settings**
  - Select this option to delete connection settings.




  - Select [**OK**] to delete the settings.

- **Confirm settings**
  - Select this option to verify the contents of connection settings.




## Changing the Connection Settings

Change with wizard

Change from list

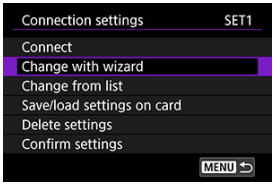
You can edit the settings that were configured on the connection wizard.

### Change with wizard

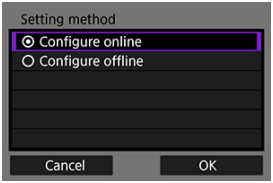
Using the connection wizard, you can edit the contents of connection settings that are saved in the camera.

1. **Display the [Connection settings] screen.**
   - Perform Step 1 through 3 for Checking and Editing Connection Settings.

2. **Select [Change with wizard].**



3. **Change the settings using the connection wizard.**




- See the subsequent operation after Displaying the Connection Wizard.

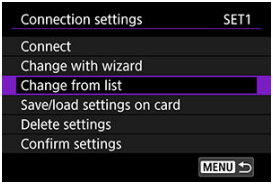
## Change from list

Using the comm settings and function settings saved in the camera, you can change the contents of the connection settings saved in the camera. You can also register a settings name.

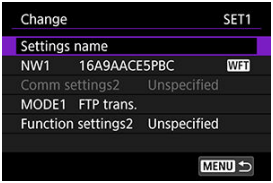
1. **Display the [Connection settings] screen.**

   - Perform Step 1 through 3 for Checking and Editing Connection Settings.

2. **Select [Change from list].**

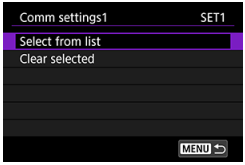



3. **Change the settings by selecting an item.**



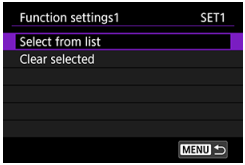

- **Settings name**
  - Select this option to name the settings. Enter text by using the virtual keyboard ( ).

- **NW* / Comm settings***
  - Select this option to change, add or cancel the comm settings.




  - By selecting [**Select from list**], a list of comm settings saved in the camera will appear. Select a comm settings option you will use.
  - By selecting [**Clear selected**], the comm settings registered in the connection settings are canceled. On the confirmation dialog, select [**OK**].

- **MODE* / Function settings***
  - Select this option to change, add or cancel the function settings.




  - By selecting [**Select from list**], a list of function settings saved in the camera will appear. Select a function settings option you will use.
  - By selecting [**Clear selected**], the function settings registered in the connection settings are canceled. On the confirmation dialog, select [**OK**].

**Note**

- Two types of comm settings and two types of function settings can be registered to a single set of connection settings.
- Canceling all the function settings removes the comm settings, and the connection settings become [**Unspecified**].

# Saving and Loading the Settings

Saving the Settings

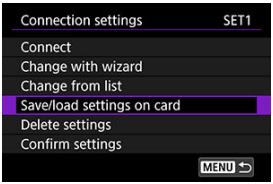
Loading the Settings

You can save the connection settings onto a card and apply the settings to another camera. In addition, you can apply the connection settings that are configured on another camera to the camera you will use.

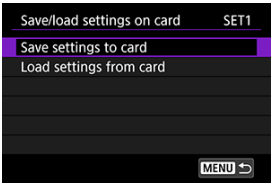
## Saving the Settings

1. **Display the [Connection settings] screen.**
   - Perform Step 1 through 3 for Checking and Editing Connection Settings.

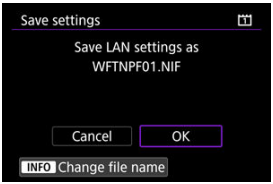
2. **Select [Save/load settings on card].**




3. **Select [Save settings to card].**



## 4. Select [OK].




- The camera will automatically configure the file name starting from WFTNPF01 and up to 40.NIF. By pressing the < INFO > button, you can specify a file name. (The length is fixed to eight characters.)
- The settings are saved on the card.
- The settings information file is saved in the location where the card is opened (on the root directory).

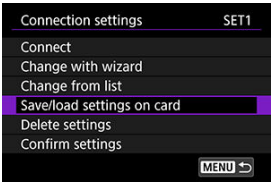
**Caution**

- Up to 40 settings information files can be saved on a card for the camera. To save 41 or more files, use another card.

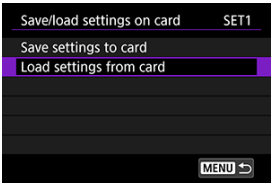
## Loading the Settings

1. **Display the [Connection settings] screen.**
   - Perform Step 1 through 3 for Checking and Editing Connection Settings.

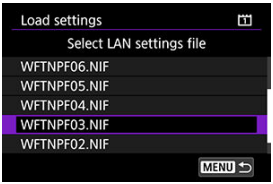
2. **Select [Save/load settings on card].**




3. **Select [Load settings from card].**

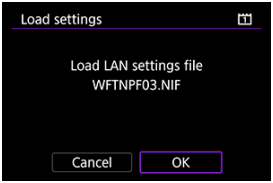



4. **Select a settings file.**




   - Select a settings file that suits your network environment.

5. **Select [OK].**




- Information of the settings file will be loaded into the selected settings number.

**Caution**

- Even when 41 or more settings information files are loaded onto the card through a computer, the load settings screen of the camera only displays up to 40 files. To load more than 41 files, use a card that does not contain the previously loaded settings files, and load the rest of the settings information files.

**Note**

- From [: **Save/load cam settings on card**], you can save all comm settings in the camera to the card and read all comm settings from a card in another camera.

# Editing Connection Settings Manually

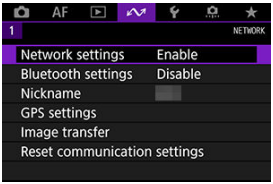
You can add, edit, and delete comm settings and function settings that are stored in the camera. You can also configure the settings that cannot be configured on the connection wizard, such as those when the FTP server contains a file that is named the same as the one you transferred.

Editing Comm Settings

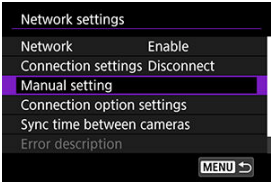
Editing Function Settings

## Editing Comm Settings

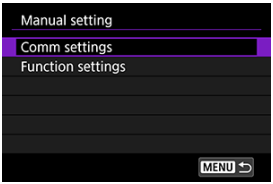
1. **Select [: Network settings].**



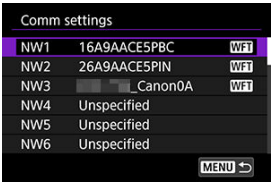

2. **Select [Manual setting].**



3. **Select [Comm settings].**

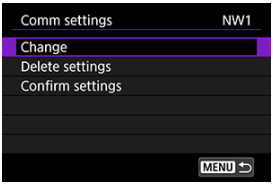



4. **Select [NW*].**

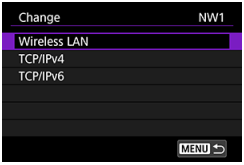



- Select [**Unspecified**] or select settings you want to edit from those saved.

5. **Change/delete/check settings.**

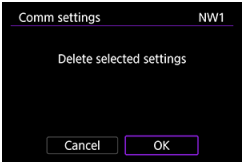


- **Change**
  - Select this option to edit the contents of connection settings individually.



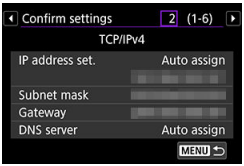

  - If you select [**Wireless LAN**], you can change the SSID of the connection destination.
  - To configure network-related settings including the IP address, select [**TCP/IPv4**].
  - To configure settings for using the IPv6 protocol, select [**TCP/IPv6**] ( ).
  - Some items cannot be set depending on the comm settings.

- **Delete settings**
  - Select this option to delete comm settings.

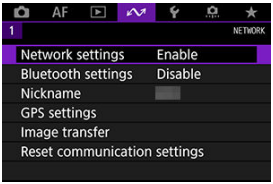



  - Select [**OK**] to delete the settings.

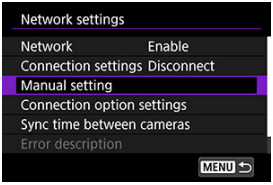
- **Confirm settings**
  - Select this option to verify the contents of comm settings.



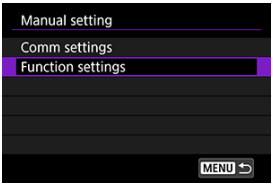
1. **Select [: Network settings].**



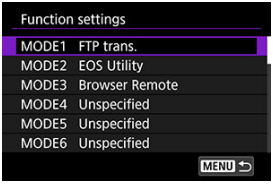

2. **Select [Manual setting].**




3. **Select [Function settings].**

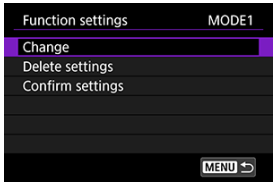



4. **Select [MODE*].**

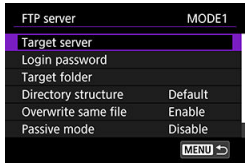



- Select [**Unspecified**] or select settings you want to edit from those saved.

5. **Change/delete/check settings.**




- **Change**
  - You can select this option only when the settings currently being edited are those for the FTP transfer.
  - To configure FTP server-related settings, select [**FTP server**].



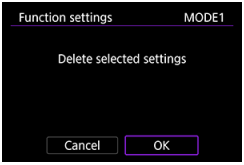

Directory Structure of the Target Folders

Overwriting Files with the Same Name

Passive Mode

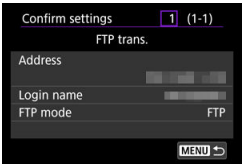
Trusting a Destination Server

- **Delete settings**
  - Select this option to delete function settings.




  - Select [**OK**] to delete the settings.

- **Confirm settings**
  - Select this option to verify the contents of function settings.




## Directory Structure of the Target Folders

This setting is configured in [**FTP server**] - [**Directory structure**].
In the case of [**Default**], the images are saved in the directory where the target root folder is opened. If you have created a subfolder in the root folder by changing the [**Target folder**] setting, the images are saved in the subfolder.
When you select [**Camera**], it automatically creates a folder having the same structure as the camera's folder (such as A/DCIM/100EOS1D) in the target root folder. The images are stored in the created folder. If you have created a subfolder in the root folder by changing the [**Target folder**] setting, a folder structure such as A/DCIM/100EOS1D is created in the subfolder to save the images.

## Overwriting Files with the Same Name

This setting is configured in [**FTP server**] - [**Overwrite same file**].

**When [Overwrite same file] is set to [Disable]**
If a file with the same name already exists in the target folder of the FTP server, the new file is saved with an extension consisting of an underscore and a number, as in IMG_0003_1.JPG.

**When resending images after the initial transfer fails**

If you resend images after their initial transmission has failed, the file may not be overwritten even when the transmitter is configured to overwrite files with the same name. If this happens, the new file is saved with an extension consisting of an underscore, a letter, and a number, as in IMG_0003_a1.JPG.

## Passive Mode

This setting is configured in [**FTP server**] - [**Passive mode**].
Enable this setting for a network environment protected by a firewall. If Error 41 occurs ("**Cannot connect to FTP server**"), setting passive mode to [**Enable**] may enable access to the FTP server.

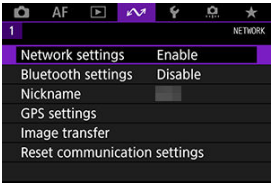
## Trusting a Destination Server

Set in [**Trust target server**] in [**FTP server**].
Set it to [**Enable**] if you want to connect to the FTP server even if the connection destination server cannot be trusted with the root certificate that is used. If you select this setting, be careful with security.

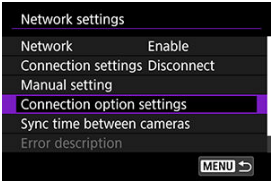
# Configuring Connection Option Settings

You can configure settings to use FTP transfer or Browser Remote. You can also configure the authentication information when 802.1X authentication is used in a LAN environment.

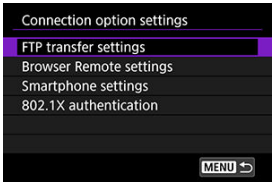
1. **Select [: Network settings].**




2. **Select [Connection option settings].**



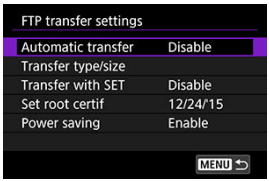
3. **Select an item to configure.**




- **FTP transfer settings**
- **Browser Remote settings**
- **802.1X authentication**

## FTP transfer settings

To configure the FTP transfer-related settings and power-saving function, select [**FTP transfer settings**].

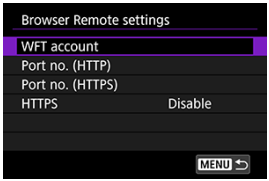



- **Automatic transfer / Transfer type/size / Transfer with SET / Set root certif**
  - For details, see Transferring Images to an FTP Server.

- **Power saving**
  - When this option is set to [**Enable**], after a certain period of idle time, the transmitter is disconnected from the LAN by being logged off from the FTP server. When the transfer of an image is executed, the transmitter automatically reconnects to the network. If you prefer not to disconnect from the LAN, set to [**Disable**].

## Browser Remote settings

When you select [**Browser Remote settings**], you can configure the WFT account settings used for accessing Browser Remote or HTTP/HTTPS communication settings.




- **WFT account**
  - For details, see Configuring Browser Remote Connection Settings.

- **Port no. (HTTP) / Port no. (HTTPS)**
  - You can change the port number for HTTP/HTTPS communication. Usually, you do not need to change the port numbers (HTTP: 80, HTTPS: 443).

- **HTTPS**
  - Selecting [**Enable**] allows you to access Browser Remote via HTTPS communication.

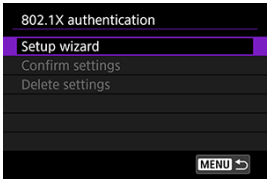
## 802.1X authentication

Selecting [**802.1X authentication**] allows you to configure 802.1X authentication on the setup wizard and to confirm or delete the settings.
Set it when connecting to a network that requires 802.1X authentication.
Save the certificate required for the 802.1X authentication method to the card inserted in the camera in advance.
The file types and file names that can be read by the camera are as follows.

| Type | File name |
|---|---|
| Root certificate | 8021X_R.CER |
| | 8021X_R.CRT |
| | 8021X_R.PEM |
| Client certificate | 8021X_C.CER |
| | 8021X_C.CRT |
| | 8021X_C.PEM |
| Secret key | 8021X_C.KEY |

This transmitter supports the following protocols:

| Protocol | Supported authentication method |
|---|---|
| EAP-TLS | X.509 |
| EAP-TTLS | MS-CHAP v2 |
| PEAP | MS-CHAP v2 |



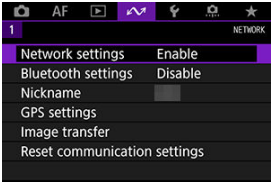

- **Setup wizard**
  - Follow the instructions on the wizard and configure the authentication settings ( ).
- **Confirm settings**
  - Select this option to verify the contents of authentication settings.

- **Delete settings**
  - Select this option to delete authentication settings. When you select [**OK**] on the displayed screen. the settings will be deleted.

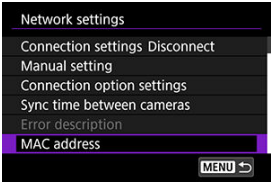
# Checking the MAC Address

You can verify the MAC address of this transmitter.

1. **Select [: Network settings].**




2. **Select [MAC address].**




3. **Check the MAC address.**


- The MAC address for [**Wi-Fi**] (with camera built-in), [**Wired**], and [**WFT**] (transmitter) is displayed.

# Troubleshooting

- Responding to Error Messages
- Troubleshooting Guide
- Wireless Function Notes
- Security
- Checking Network Settings

# Responding to Error Messages

If transmitter errors are displayed on the camera's LCD monitor, refer to the examples of corrective actions in this section to eliminate the cause of the error. When an error has occurred, the < LAN > lamp on the transmitter blinks and the error code number is shown on the LCD panel. The error details can also be checked in the menu [: **Network settings**]→[**Error description**].
Click the error code number in the following table to jump to the corresponding page.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11 | 12 | | | | | | |
| 21 | 22 | 23 | | | | | |
| 41 | 43 | 44 | 45 | 46 | 47 | 48 | |
| 61 | 63 | 64 | 65 | 66 | 67 | 68 | 69 |
| 71 | 72 | 73 | | | | | |
| 82 | 83 | | | | | | |
| 91 | | | | | | | |

## 11: Connection target not found

- **If you are using [EOS Utility], is EOS Utility running?**
  - Start EOS Utility and re-establish the connection ( ).

- **Are the transmitter and the access point set to use the same encryption key for authentication?**
  - This error occurs if the encryption keys do not match when the authentication method for encryption is set to [**Open system**].
    The encryption key is case-sensitive. Make sure to enter the correct encryption key for authentication on the transmitter by verifying the uppercase and lowercase letters used in it ( ).

## 12: Connection target not found

- **Are the target device and access point turned on?**
  - Turn on the target device and the access point, then wait a while. If a connection still cannot be established, perform the procedures to establish the connection again.

## 21: No address assigned by DHCP server

### What to check on the transmitter

- **On the transmitter, the IP address is set to [Auto setting]. Is this the correct setting?**
  - If no DHCP server is used, configure settings after setting the IP addresses to [**Manual setting**] on the transmitter ( ).

## What to check on the DHCP server

- **Is the power of the DHCP server turned on?**
  - Turn on the DHCP server.

- **Are there enough addresses for assignment by the DHCP server?**
  - Increase the number of addresses that can be assigned by the DHCP server.
  - Remove devices whose IP addresses are assigned by the DHCP server from the network to reduce the number of addresses in use.

- **Is the DHCP server working correctly?**
  - Check the DHCP server settings to make sure it is working correctly as a DHCP server.
  - If applicable, ask your network administrator to ensure that the DHCP server is working.

## What to check on the network as a whole

- **Does your network include a router or similar device that serves as a gateway?**
  - If applicable, obtain the network gateway address from your network administrator and enter it on the transmitter ( , ).
  - Make sure that the gateway address setting is correctly entered on all network devices, including the transmitter.

**Note**

**Responding to Error Messages 21 – 23**

- If Error Messages 21 to 23 appear, verify the following as well.
  **Are the transmitter and the access point set to use the same password for authentication?**
  - This error occurs if you enter a wrong password when the authentication method for encryption is set to [**Open system**]. Make sure to set a correct password for the transmitter by verifying the uppercase and lowercase letters used in it ( ).

## 22: No response from DNS server

### What to check on the transmitter

- **On the transmitter, the DNS address is set to [Manual setting]. Is this the correct setting?**
  - If no DNS server is used, set the transmitter's DNS address setting to [**Disable**] ( ).
- **Did you set the correct IP address of the DNS server configured for the transmitter?**
  - Make sure to set the IP address of the DNS server you will use for the transmitter ( , ).

### What to check on the DNS server

- **Is the power of the DNS server turned on?**
  - Turn on the DNS server.
- **Are the DNS server settings for IP addresses and the corresponding names correct?**
  - On the DNS server, make sure IP addresses and the corresponding names are entered correctly.
- **Is the DNS server working correctly?**
  - Check the DNS server settings to make sure it is working correctly as a DNS server.
  - If applicable, ask your network administrator to ensure that the DNS server is working.

### What to check on the network as a whole

- **Does your network include a router or similar device that serves as a gateway?**
  - If applicable, obtain the network gateway address from your network administrator and enter it on the transmitter ( , ).
  - Make sure that the gateway address setting is correctly entered on all network devices, including the transmitter.

## 23: Device with same IP address exists on selected network

- **Is another device on the transmitter network using the same IP address as the transmitter?**
  - Change the transmitter's IP address to avoid using the same address as another device on the network. Otherwise, change the IP address of the device that has a duplicated address.
  - If the transmitter's IP address is set to [**Manual setting**] in network environments using a DHCP server, change the setting to [**Auto setting**] ( ).

## 41: Cannot connect to FTP server

### What to check on the transmitter

- **The transmitter's proxy server is set to [Enable]. Is this the correct setting?**
  - If no proxy server is used, set the transmitter's proxy server to [**Disable**] ( ).
- **Do the transmitter's [Address setting] and [Port number setting] match those of the proxy server?**
  - Configure the transmitter's proxy server address and port number settings to match those of the proxy server ( ).
- **Are the transmitter's proxy server settings correctly entered on the DNS server?**
  - Make sure that the proxy server's [**Address**] is correctly entered on the DNS server.
- **Did you set the correct IP address of the FTP server for the transmitter?**
  - Configure the IP address on the transmitter to match the actual FTP server address ( ).
- **Are the transmitter and the access point set to use the same encryption key for authentication?**
  - This error occurs if the encryption keys do not match when the authentication method for encryption is set to [**Open system**].
    The encryption key is case-sensitive. Make sure to enter the correct encryption key for authentication on the transmitter by verifying the uppercase and lowercase letters used in it ( ).

- **On the transmitter, does [Port number setting] for the FTP server match the actual port number of the FTP server?**
  - Configure the same port number (usually 21 for FTP/FTPS and 22 for SFTP) on the transmitter and the FTP server. Configure the FTP server's port number on the transmitter ( ).

- **Are the transmitter's FTP server settings correctly entered on the DNS server?**
  - Make sure that [**Server name**] of the configured FTP server is correctly entered on the DNS server. In addition, make sure that [**Server name**] of the FTP server you will use is correctly entered on the transmitter ( ).

## What to check on the FTP server

- **Is the FTP server working correctly?**
  - Configure the computer correctly to function as an FTP server.
  - If applicable, obtain the FTP server's address setting and port number from your network administrator and enter them on the transmitter.

- **Is the power of the FTP server turned on?**
  - Turn on the FTP server. The server may have been turned off because it is in energy-saving mode.

- **Does the IP address configured on the FTP server match the [Address] setting for the FTP server on the transmitter?**
  - Configure the IP address on the transmitter to match the actual FTP server address ( ).

- **Is the FTP server configured to allow access from certain IP addresses only?**
  - Check the transmitter's IP address in [**Confirm settings**] ( ) and change the settings on the FTP server.

- **Is a firewall or other security software enabled?**
  - Some security software uses a firewall to restrict access to the FTP server. Change the firewall settings to allow access to the FTP server.
  - If you set [**Passive mode**] to [**Enable**] on the transmitter, you may be able to establish a connection with the FTP server ( ).

- **Are you connecting to the FTP server via a broadband router?**
  - Some broadband routers use a firewall to restrict access to the FTP server. Change the firewall settings to allow access to the FTP server.
  - If you set [**Passive mode**] to [**Enable**] on the transmitter, you may be able to establish a connection with the FTP server ( ).

### What to check on the proxy server

- **Is the power of the proxy server turned on?**
  - Turn on the proxy server.
- **Is the proxy server working correctly?**
  - Check the proxy server settings to make sure it is working correctly as a proxy server.
  - If applicable, obtain the proxy server's address setting and port number from your network administrator and enter them on the transmitter.

### What to check on the network as a whole

- **Does your network include a router or similar device that serves as a gateway?**
  - If applicable, obtain the network gateway address from your network administrator and enter it on the transmitter.
  - Make sure that the gateway address setting is correctly entered on all network devices, including the transmitter.

### What to check on the network as a whole

- **Does your network include a router or similar device that serves as a gateway?**
  - If applicable, obtain the network gateway address from your network administrator and enter it on the transmitter ( , ).
  - Make sure that the gateway address setting is correctly entered on all network devices, including the transmitter.

## 43: Cannot connect to FTP server. Error code received from server.

### What to check on the proxy server

- **Is the power of the proxy server turned on?**
  - Turn on the proxy server.
- **Is the proxy server working correctly?**
  - Check the proxy server settings to make sure it is working correctly as a proxy server.
  - If applicable, obtain the proxy server's address setting and port number from your network administrator and enter them on the transmitter.

### What to check on the network as a whole

- **Does your network include a router or similar device that serves as a gateway?**
  - If applicable, obtain the network gateway address from your network administrator and enter it on the transmitter.
  - Make sure that the gateway address setting is correctly entered on all network devices, including the transmitter.

### What to check on the FTP server

- **Have you exceeded the maximum number of FTP server connections?**
  - Disconnect some network devices from the FTP server or increase the maximum number of connections in the FTP server settings.

## 44: Cannot disconnect FTP server. Error code received from server.

- **This error occurs if the transmitter fails to disconnect from the FTP server for some reason.**
  - Turn off and on the FTP server and the cameras.

## 45: Cannot login to FTP server. Error code received from server.

### What to check on the transmitter

- **On the transmitter, is [Login name] entered correctly?**
  - Check the login name for accessing the FTP server. The login name is case-sensitive. Make sure to enter the correct login name for the transmitter by verifying the uppercase and lowercase letters used in it ( ).
- **On the transmitter, is [Login password] entered correctly?**
  - If a login password is set on the FTP server, make sure to enter the correct password for the transmitter by verifying the uppercase and lowercase letters used in it ( ).

### What to check on the FTP server

- **Do the user rights for accessing files on the FTP server allow reading, writing, and log access?**
  - Set the user rights for accessing files on the FTP server to allow reading, writing, and log access.
- **Are the names of the target folders on the FTP server comprised of ASCII characters only?**
  - Use only the ASCII characters for the folder names.

## 46: For the data session, error code received from FTP server

### What to check on the FTP server

- **The connection was terminated by the FTP server.**
  - Restart the FTP server.
- **Do the user rights for accessing files on the FTP server allow reading, writing, and log access?**
  - Set the user rights for accessing files on the FTP server to allow reading, writing, and log access.
- **Do the user rights allow access to the target folder on the FTP server?**
  - Set the user rights for accessing the target folder on the FTP server to allow the saving of images transferred from the transmitter.
- **Is the power of the FTP server turned on?**
  - Turn on the FTP server. The server may have been turned off because it is in energy-saving mode.
- **Is the hard disk of the FTP server full?**
  - Increase available space on the hard disk.

## 47: Image file transfer completion not confirmed by FTP server

- **This error occurs if the transmitter fails to receive a transfer complete notification from the FTP server for some reason.**
  - Turn off and on the FTP server and the cameras, and then retransfer the images.

## 48: Security of the connection to the target server cannot be verified. If you trust this server and connect, set [Trust target server] to [Enable].

- **This error appears if it was not possible to verify the safety of connection with the destination server during FTPS connection.**
  - Make sure that the certificate is correctly configured.
  - To trust the destination server regardless of the certificate being configured, set [**Trust target server**] to [**Enable**].

## 61: Selected SSID wireless LAN network not found

- **Are there any obstacles blocking the line of sight between the transmitter and the antenna of the access point?**
  - Move the antenna of the access point to a position clearly visible from the point of view of the transmitter.

### What to check on the transmitter

- **Is the same SSID configured for the transmitter and the access point?**
  - Check the SSID at the access point, then set the same SSID on the transmitter ( ).

### What to check at the access point

- **Is the access point turned on?**
  - Turn on the power of the access point.
- **If filtering by MAC address is active, is the MAC address of the transmitter in use registered at the access point?**
  - Register the MAC address of the transmitter in use at the access point ( ).

## 63: Wireless LAN authentication failed

- **Are the transmitter and the access point set to use the same encryption key for authentication?**
  - The encryption key is case-sensitive. Make sure to enter the correct encryption key for authentication on the transmitter by verifying the uppercase and lowercase letters used in it ( ).
- **If filtering by MAC address is active, is the MAC address of the transmitter in use registered at the access point?**
  - Register the MAC address of the transmitter at the access point. The MAC address can be found on the [**MAC address**] screen ( ).

## 64: Cannot connect to wireless LAN terminal

- **Are the transmitter and the access point set to use the same encryption method?**
  - The transmitter supports WEP, TKIP, and AES encryption ( ).

- **If filtering by MAC address is active, is the MAC address of the transmitter in use registered at the access point?**
  - Register the MAC address of the transmitter in use at the access point. The MAC address can be found on the [**MAC address**] screen ( ).

## 65: Wireless LAN connection lost

- **Are there any obstacles blocking the line of sight between the transmitter and the antenna of the access point?**
  - Move the antenna of the access point to a position clearly visible from the point of view of the transmitter.

- **The wireless LAN connection was lost for some reason, and the connection cannot be restored.**
  - The following are possible reasons: excessive access to the access point from other terminals, a microwave oven or similar appliance in use nearby (interfering with IEEE 802.11n/g/b (2.4 GHz band)), or influence of rain or high humidity.

## 66: Incorrect wireless LAN password

- **Are the transmitter and the access point set to use the same encryption key for authentication?**
  - The encryption key is case-sensitive. Make sure to enter the correct encryption key for authentication on the transmitter and the access point by verifying the uppercase and lowercase letters used in it ( ).
    Note that Error 41 is displayed when the authentication for encryption is set to [**Open system**] ( ).

## 67: Incorrect wireless LAN encryption method

- **Are the transmitter and the access point set to use the same encryption method?**
  - The transmitter supports WEP, TKIP, and AES encryption ( ).
- **If filtering by MAC address is active, is the MAC address of the transmitter in use registered at the access point?**
  - Register the MAC address of the transmitter in use at the access point. The MAC address can be found on the [**MAC address**] screen ( ).

## 68: Cannot connect to wireless LAN terminal. Retry from the beginning.

- **Did you hold down the WPS (Wi-Fi Protected Setup) button on the access point for the specified period of time?**
  - Hold down the WPS button for the period of time specified in the instruction manual of the access point.
- **Are you trying to establish a connection near the access point?**
  - Try establishing the connection when both devices are within reach of each other.

## 69: Multiple wireless LAN terminals have been found. Cannot connect. Retry from the beginning.

- **Another access point is using the PBC (Pushbutton connection mode) of WPS (Wi-Fi Protected Setup) to establish a connection.**
  - Try connecting after a while or use PIN mode (PIN code connection mode) for the connection ( ).

## 71: Cannot connect to receiver camera

- **Are you following the correct procedure to establish a connection with the receiver camera?**
  - Make sure to follow the correct procedure for controlling the receiver cameras ( , ).
- **Are the receiver cameras placed too far from the sender camera?**
  - Place the receiver cameras closer to the sender camera.
- **Are there many devices in your surroundings that emit radio waves?**
  - Move away from that area and try controlling the receiver cameras again ( , ).

## 72: Cannot connect to sender camera

- **Are you following the correct procedure to establish a connection with the sender camera?**
  - Make sure to follow the correct procedure for controlling the sender camera ( , ).

- **Is the sender camera placed too far from the receiver cameras?**
  - Place the sender camera closer to the receiver cameras.

- **Are there many devices in your surroundings that emit radio waves?**
  - Move away from that area and try controlling the sender camera again ( , ).

## 73: Could not synchronize the time

- **Are you following the correct procedure to establish a connection between the sender camera and receiver cameras?**
  - Make sure to follow the correct procedure for controlling the sender and receiver cameras ( ).

- **Is the sender camera placed too far from the receiver cameras?**
  - Place the sender camera closer to the receiver cameras.

- **Are there many devices in your surroundings that emit radio waves?**
  - Move away from that area and try syncing the time again ( ).

## 82: Wireless File Transmitter not connected

- **Is the transmitter attached correctly?**
  - Make sure that the transmitter is attached to the camera correctly ( ).

## 83: Wireless LAN connection terminated because of high WFT temperature

- **Because the transmitter's temperature has increased, wireless communication was temporarily suspended and connection with the wireless LAN was cut off.**
  - Allow the transmitter to cool down by shielding it from direct sunlight. Once the transmitter cools down, the transmitter automatically attempts to reconnect.

## 91: Other error

- **A problem other than Error 11 to 83 occurred.**
  - Turn off and on the camera's power switch.

# Troubleshooting Guide

If a problem occurs, first refer to this Troubleshooting Guide to check the cameras and connected devices. If this Troubleshooting Guide does not resolve the problem, contact the nearest Canon Service Center.

## Cannot transfer images to an FTP server

- To transfer captured images to an FTP server, set the Live View shooting/Movie shooting switch to < >.
  When the Live View shooting/Movie shooting switch is set to < >, images cannot be transferred.

## Cannot perform linked shooting

- To perform linked shooting, set the Live View shooting/Movie shooting switch to < >.
  When the Live View shooting/Movie shooting switch is set to < >, linked shooting is not possible.

## The camera and the transmitter heat up, and the transmission rate drops.

- If the transmitter runs in wireless mode for an extended period of time under a high-temperature environment, the transmitter heats up, causing wireless operation to be interrupted with Error 83 displayed ( ).

## Cannot establish a connection between the camera and the transmitter

- If dust or dirt has adhered to the terminal of the transmitter, it may prevent the transmitter from communicating with cameras. Detach the transmitter and clean the terminal, and then attach the transmitter again.

# Wireless Function Notes

If the transmission rate drops, the connection is lost, images are not displayed smoothly, or other problems occur when using the wireless functions, try the following corrective actions.

## Access Point and Antenna Installation Location

- Install the device where people or objects do not come between it and the transmitter.
- Install the device as close to the transmitter as possible. In particular, note that during outdoor use in poor weather, rain may absorb radio waves and disrupt the connection.

## Nearby Electronic Devices

If the transmission rate of a wireless LAN drops because of the influence of the following electronic devices, stop using them or establish a connection farther away from them.

- If a wireless LAN terminal on the same frequency band as the transmitter is used nearby, the transmission rate of the wireless LAN may drop.

## Access point and channel settings

To optimize the performance of the transmitter, it is recommended that you use the transmitter under the following conditions:

- To establish connection in infrastructure mode, it is recommended that you use channels in the 5 GHz bandwidth through an access point that is compliant with the IEEE802.11ac standards. If you use channels in the 2.4 GHz bandwidth, sufficient transmission rates may not be secured for communication.
- To establish connection in camera access point mode, using channels in the 5 GHz bandwidth is recommended. If you use channels in the 2.4 GHz bandwidth, the performance may not be as good as expected. If the communication speed is too slow, using infrastructure mode is recommended.
- Some of the channels are not available for wireless LAN communication depending on the laws and regulations of the area where the product is used. For details, see "Wireless LAN Restrictions" in the instructions that are provided with the product.

## Notes for Using Multiple Wireless Transmitters

- When multiple cameras with a wireless transmitter attached are connected to one access point, make sure that the cameras' IP addresses are different.
- When multiple cameras with a wireless transmitter attached are connected to one access point, the transmission rate drops.
- When there are multiple IEEE 802.11n/g/b (2.4 GHz band) access points, leave a gap of four channels between each wireless LAN channel to reduce radio wave interference. For example, use channels 1, 6, and 11, channels 2, 7, and 12, or channels 3, 8, and 13.
  When IEEE 802.11ac/n/a can be used (on the 5 GHz band), switch to IEEE 802.11ac/n/a (on the 5 GHz band) and specify a different channel.

# Security

If security settings have not been properly set, the following problems may occur.

- Interception of communication
  Third parties with malicious intent may intercept the wireless LAN communication and may attempt to acquire the data being transmitted.
- Unauthorized network access
  Third parties with malicious intent may gain unauthorized access to your network, attempting to steal, modify, or destroy your data. Additionally, you could fall victim to other types of unauthorized access, such as impersonation (where someone assumes an identity to gain access to unauthorized information) or springboard attacks (where someone gains unauthorized access to your network as a springboard to cover their tracks when infiltrating other systems).

To reduce the possibility of encountering such problems, you should implement measures and use functions to help secure your network.

# Checking Network Settings

- **Windows**
  Open [**Command Prompt**] on Windows, type ipconfig /all and press the <**Enter**> key. It displays the IP address assigned to your computer along with the subnet mask, gateway, and DNS server information.

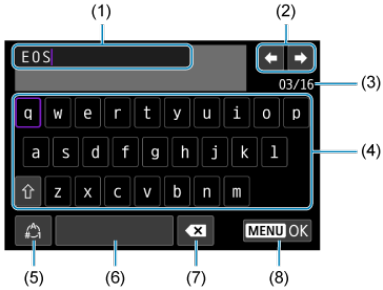
- **macOS**
  Open [**Terminal**] on macOS. Type ifconfig -a and press the <**Return**> key. The IP address assigned to your computer is indicated at the [**en0**] item after [**inet**] in the format of "*** . *** . *** . ***".
  * For information about [**Terminal**] see the Help menu on macOS.

To avoid using the same IP address for your computer and other devices on the network, change the lowest digit when you configure an IP address for a camera unit manually ( ).
e.g. 192.168.1.**10**

# Reference

- Using the Virtual Keyboard
- Configuring 802.1X Authentication
- Configuring the IPv6 Addresses
- Specifications

# Using the Virtual Keyboard



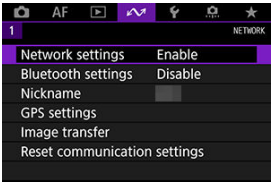

| | |
|---|---|
| (1) | Input area, for entering text |
| (2) | Cursor keys, for moving in the input area |
| (3) | Current no. of characters/no. available |
| (4) | Keyboard |
| (5) | Switch input modes |
| (6) | Space |
| (7) | Delete a character in the input area |
| (8) | Finish the text entry |

- Use < > < > < > to move within 2 and 4–7.
- Press < (SET) > to confirm input or when switching input modes.

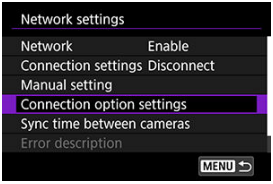
# Configuring 802.1X Authentication

To connect to a network requiring 802.1X authentication, configure the following settings prior to connection.
Save the certificate required for the 802.1X authentication method to the card inserted in the camera in advance ( ).

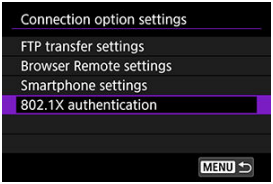
1. **Select [: Network settings].**



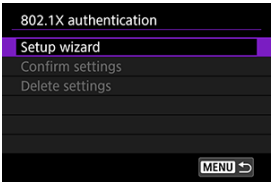

2. **Select [Connection option settings].**



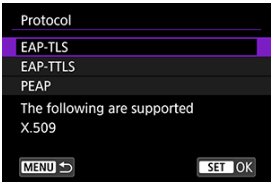

3. **Select [802.1X authentication].**



4. **Select [Setup wizard].**




5. **Select a protocol.**




- This transmitter supports the following protocols:

| Protocol | Supported authentication method |
|---|---|
| EAP-TLS | X.509 |
| EAP-TTLS | MS-CHAP v2 |
| PEAP | MS-CHAP v2 |

- For the procedure hereinafter, follow the instructions displayed on the screen.

# Configuring the IPv6 Addresses

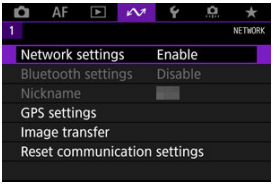
To use IPv6 addresses, you need to configure the settings manually.

**Note**

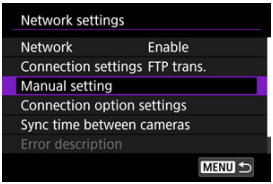
- If you are not sure what to enter, ask your network administrator.

---

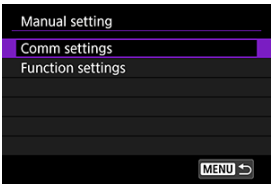
1. **Select [: Network settings].**



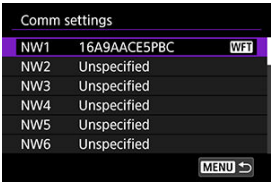

2. **Select [Manual setting].**



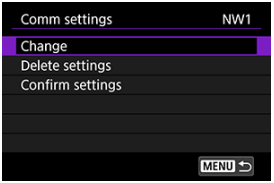

3. **Select [Comm settings].**



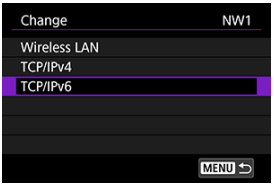
4. **Select Comm settings for using IPv6.**



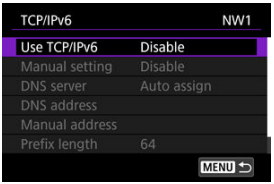

5. **Select [Change].**



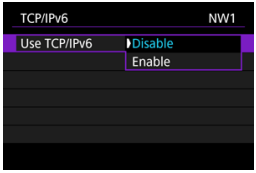

6. **Select [TCP/IPv6].**




7. **Select the item to be set.**

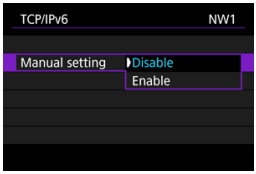


- **Use TCP/IPv6**



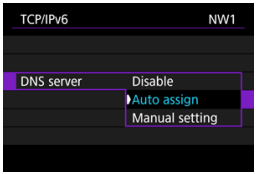

  - Set IPv6 to [**Enable**] or [**Disable**].

- **Manual setting**



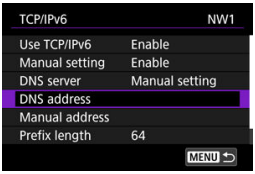

  - To set the IP addresses manually, select [**Enable**]. [**DNS server**] will be set to [**Manual setting**] and you will be able to specify [**DNS address**], [**Manual address**], [**Prefix length**], and [**Gateway**].

- **DNS server**

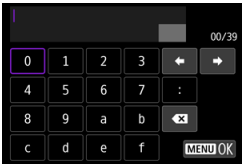



  - To set the IP address of the DNS server manually, select [**Manual setting**].
  - If you do not use a DNS server, select [**Disable**].
  - When [**Auto assign**] is configured, if you set [**Manual setting**] to [**Enable**], [**Manual setting**] will be configured.

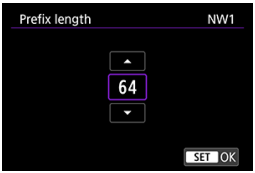
- **DNS address / Manual address / Gateway**




  - Select an item and display the virtual keyboard. Use the virtual keyboard to enter an IP address.




- **Prefix length**




  - Use < ◌ > and select a number from 0 through 128 to specify the prefix length.

# Specifications

- All the data above is based on Canon's testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines.
- Transmitter specifications and appearance are subject to change without notice.

## Type

| | |
|---|---|
| Type | IEEE 802.11ac/n/a/g/b wireless LAN compatible image transfer accessory |

## Wireless LAN

<table>
<tr><td>Observed standards</td><td>IEEE 802.11ac/n/a/g/b</td></tr>
<tr><td>Transmission method</td><td>DS-SS modulation (IEEE 802.11b), OFDM modulation (IEEE 802.11ac/n/a/g)</td></tr>
<tr><td>Transmission frequency (central frequency)</td><td>
<table>
<tr><th>Version</th><th>Frequency</th><th>Channels</th></tr>
<tr><td rowspan="3">WFT-E9A</td><td>2412 to 2462 MHz</td><td>1 to 11 ch</td></tr>
<tr><td>5180 to 5320 MHz</td><td>36 to 64 ch</td></tr>
<tr><td>5745 to 5825 MHz</td><td>149 to 165 ch</td></tr>
<tr><td rowspan="2">WFT-E9B</td><td>2412 to 2472 MHz</td><td>1 to 13 ch</td></tr>
<tr><td>5180 to 5700 MHz</td><td>36 to 140 ch</td></tr>
<tr><td rowspan="3">WFT-E9C</td><td>2412 to 2472 MHz</td><td>1 to 13 ch</td></tr>
<tr><td>5180 to 5320 MHz</td><td>36 to 64 ch</td></tr>
<tr><td>5745 to 5825 MHz</td><td>149 to 165 ch</td></tr>
<tr><td rowspan="2">WFT-E9D</td><td>2412 to 2462 MHz</td><td>1 to 11 ch</td></tr>
<tr><td>5180 to 5825 MHz</td><td>36 to 165 ch</td></tr>
<tr><td rowspan="2">WFT-E9E</td><td>2412 to 2472 MHz</td><td>1 to 13 ch</td></tr>
<tr><td>5180 to 5825 MHz</td><td>36 to 165 ch</td></tr>
</table>
</td></tr>
<tr><td>Connection method</td><td>Camera access point mode, infrastructure*<br>* Wi-Fi Protected Setup supported</td></tr>
<tr><td>Security</td><td>Authentication method: Open system, Shared key, WPA/WPA2-PSK, WPA/WPA2-Enterprise<br>Encryption: WEP, TKIP, and AES</td></tr>
</table>

## LAN Functions

| | |
|---|---|
| LAN Functions | FTP Transfer, EOS Utility, Browser Remote, Linked Shooting, Synchronizing the Camera Time |

## Dimensions and Weight

| | |
|---|---|
| Dimensions (W × H × D) | Approx. 25.0 × 64.5 × 33.5 mm / 0.98 × 2.54 × 1.32 in. |
| Weight | Approx. 45 g / 1.59 oz. (body only) |

## Operation Environment

| | |
|---|---|
| Working temperature range | 0 – 45°C / 32 – 113°F |
| Working humidity | 85% or less |

# Trademarks

- Microsoft and Windows are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
- App Store and macOS are trademarks of Apple Inc., registered in the U.S. and other countries.
- Google Play and Android are trademarks of Google LLC.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- The Wi-Fi CERTIFIED logo and the Wi-Fi Protected Setup mark are trademarks of the Wi-Fi Alliance.
- WPS used on camera settings screens and in this guide stands for Wi-Fi Protected Setup.
- UPnP is a trademark of the UPnP Implementers Corporation.
- All other trademarks are the property of their respective owners.