

# Wireless File Transmitter

# WFT-E2 II

## Instruction Manual for Use With EOS-1D Mark IV

### To EOS-1D Mark III or EOS-1Ds Mark III Users

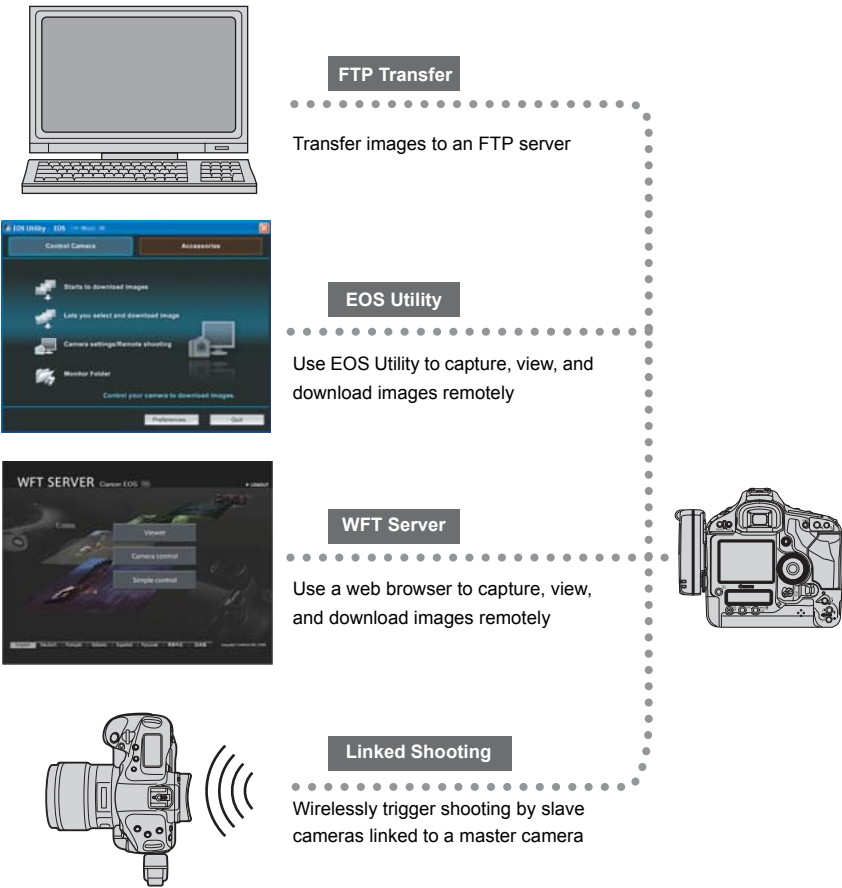
This instruction manual describes the use of the transmitter when connected to the EOS-1D Mark IV. When using the transmitter with the EOS-1D Mark III or EOS-1Ds Mark III, refer to the PDF manual in the EOS\_1DIII\_1DsIII folder.

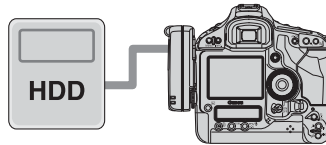
To comply with local radio wave regulations, Canon offers four region-specific versions of the transmitter (WFT-E2 IIA, E2 IIB, E2 IIC, and E2 IID) in various areas around the world (p.8). For convenience, we refer to the product in this manual simply as “the transmitter,” without reference to versions A, B, C, or D.

# Introduction

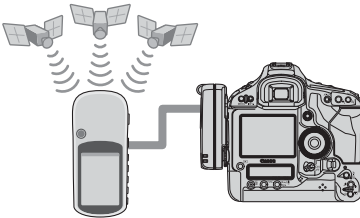
The Wireless File Transmitter WFT-E2 II is an accessory for EOS-1D Mark IV camera. It gives the camera wireless and wired LAN functionality and adds a USB port, enabling the following operations.

## Wireless and Wired LAN Functions

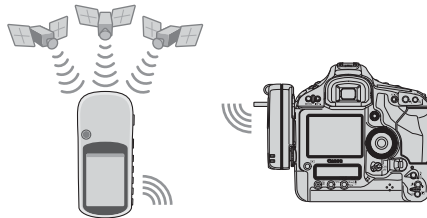


**Functions When Connected via USB****External Media**

Record or backup images onto external media

**GPS**

Connected by a USB cable



Connected via Bluetooth

Add the latitude, longitude, altitude, date and time, and other shooting information to images

# Conventions Used in this Manual

- These instructions should be followed only after your wireless or wired LAN and FTP server settings are complete. For details on configuring these settings, refer to the documentation provided with the respective equipment.
- Terms in brackets [ ] indicate button or icon names or other software elements. Brackets also denote camera menu items.
- Page numbers in parentheses indicate where you can find additional information.
- Instructions on camera operations should be followed only after you have read the Camera Instruction Manual and are familiar with operating the camera.
- Sections of this manual labeled with the following symbols contain information of the corresponding nature.



: Warnings to avoid potential problems are labeled with a caution symbol.



: Supplemental information is labeled with a note symbol.

- Windows is a trademark or registered trademark of Microsoft Corporation in the United States and other countries.
- Macintosh is a registered trademark of Apple Corporation in the United States and other countries.
- Wi-Fi is a registered trademark of the Wi-Fi Alliance.
- Wi-Fi Certified, WPA, WPA2, and the Wi-Fi Certified logo are trademarks of the Wi-Fi Alliance.
- WPS as used on camera settings screens and in this manual signifies Wi-Fi Protected Setup.
- UPnP is a trademark of the UPnP Implementers Corporation.
- Bluetooth and the Bluetooth logos are trademarks owned by Bluetooth SIG, Inc.
- All other corporate and brand names in this manual are trademarks or registered trademarks of their respective owners.

Using the transmitter for remote image transfer, capture, or viewing requires adequate knowledge of configuring your wireless or wired LAN and FTP server.

Canon cannot provide support for configuring wireless or wired LANs or FTP servers.

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.

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# Areas of Use and Restrictions

- To comply with local radio wave regulations in various areas around the world, Canon offers four region-specific versions of the transmitter (WFT-E2 IIA, E2 IIB, E2 IIC, and E2 IID) as described below. Please do not use your model (version) of transmitter in regions it was not designed for.

For information on other areas where the transmitter can be used, contact Canon Service Center.

Model (Version)	Area of Use	Wireless LAN Specification and Supported Channels	
WFT-E2 IIA	United States, Canada, Singapore, and Hong Kong	IEEE 802.11a	36 – 64 ch 149 – 165 ch
		IEEE 802.11b/g	1 – 11 ch
WFT-E2 IIB	Japan, France, Italy, Germany, United Kingdom, Belgium, the Netherlands, Luxembourg, Ireland, Denmark, Greece, Spain, Portugal, Austria, Finland, Sweden, Poland, Hungary, Romania, Bulgaria, Czech Republic, Slovakia, Slovenia, Estonia, Latvia, Lithuania, Cyprus, Malta, Iceland, Norway, Switzerland, Liechtenstein, Australia, New Zealand, Russia, and Hong Kong	IEEE 802.11a	36 – 64 ch 100 – 140 ch
		IEEE 802.11b/g	1 – 13 ch
WFT-E2 IIC	Mainland China and Hong Kong	IEEE 802.11a	149 – 161 ch
		IEEE 802.11b/g	1 – 13 ch
WFT-E2 IID	Can be used in all areas noted above	IEEE 802.11a	Not supported
		IEEE 802.11b/g	1 – 11 ch

- In France, outdoor use is prohibited.
- In mainland China, outdoor use requires a permit in some areas.

## IEEE 802.11a Restrictions

When IEEE 802.11a wireless networking is used, channels in gray in the following table cannot be used. These restrictions are established by local regulations, which must be upheld.

The transmitter can be used on channels in blue. Regarding channels in yellow, some restrictions apply. Refer to the footnotes.

		Wireless LAN Connection Method	Channel		
WFT-E2 IIA	Indoors	Infrastructure	36 – 48	52 – 64	149 – 165
		Ad hoc	36 – 48	52 – 64	149 – 165
	Outdoors	Infrastructure	36 – 48	52 – 64	149 – 165
		Ad hoc	36 – 48	52 – 64	149 – 165
WFT-E2 IIB	Indoors	Infrastructure	36 – 48	52 – 64	100 – 140
		Ad hoc	36 – 48	52 – 64	100 – 140
	Outdoors	Infrastructure	36 – 48	52 – 64 <sup>*J</sup>	100 – 140
		Ad hoc	36 – 48	52 – 64	100 – 140
WFT-E2 IIC			149 – 161 <sup>*C</sup>		

<sup>\*J</sup>: In Japan, outdoor use on channels 52 – 64 is prohibited.

<sup>\*C</sup>: In mainland China, outdoor use requires a permit in some areas.



- The following actions may be punishable under law. Disassembling or modifying the transmitter, or removing the certification label on it.
- Do not use the transmitter near other devices that emit radio waves, such as medical equipment or electronic devices. The transmitter may interfere with operation of these devices.
- Use the transmitter only with a compatible EOS DIGITAL camera. Using it with incompatible cameras may cause malfunction, accidents, and other problems not covered under warranty.
- Use the transmitter as a wireless or wired LAN device as described in this instruction manual. If you use the transmitter for any other purpose, Canon cannot be held liable for any loss or damage that may occur.

# Safety Warnings

The following precautions are intended to prevent harm to you and others as well as damage to equipment. Become familiar with the precautions before using the transmitter to ensure correct and safe operation.

Be sure that you fully understand the safety precautions contained in the instruction manuals for the battery, charger, and AC Adapter Kit before using them.



## Warning Preventing Serious Injury or Death

- To prevent fire, excessive heat, chemical leakage, or explosion, follow these safety guidelines.
  - Do not insert metallic objects between electrical contacts of the transmitter, accessories, or connecting cables.
- Do not use the transmitter where there is flammable gas. There is a risk of explosion or fire.
- If the transmitter is dropped and internal parts are exposed, do not touch the exposed parts. There is a risk of electrical shock.
- Do not disassemble or modify the transmitter. High-voltage internal parts may cause electrical shock.
- Do not store the transmitter in dusty or humid places. There is a risk of fire or electrical shock.
- Before using the transmitter on board airplanes or in hospitals, make sure use is permitted. Electromagnetic waves emitted by the transmitter may interfere with instrumentation or medical equipment.



## Caution Preventing Injury or Equipment Damage

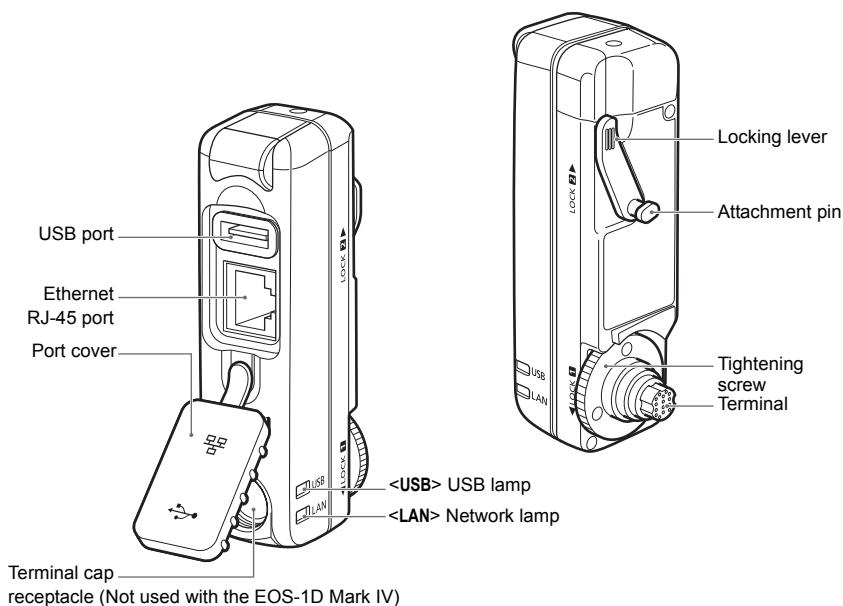
- Do not leave the transmitter inside a vehicle in hot weather or near a heat source. The transmitter may become hot and cause burns if touched.
- Do not cover or wrap the transmitter with a cloth. This may trap heat inside, posing a risk of case deformation or fire.
- Do not use paint thinner, benzene, or other organic solvents to clean the transmitter. This poses a risk of fire and may be hazardous to your health.

**If the product malfunctions, becomes damaged, or requires repair, contact your dealer or the nearest Canon Service Center.**

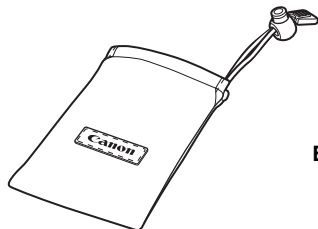
## Handling Precautions

- The transmitter is a precision instrument. Do not drop it or subject it to shock.
- The transmitter is not waterproof. Do not use it underwater.
- Wipe off any moisture with a clean, dry cloth. If the transmitter has been exposed to salty air, wipe it with a clean damp cloth after wringing it out to remove excess water.
- 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 excessive heat, such as in a vehicle in direct sunlight. High temperature may damage the transmitter.
- Do not wipe the transmitter using cleaners containing organic solvents. If the transmitter becomes difficult to clean, take it to the nearest Canon Service Center.
- To avoid corrosion, do not store the transmitter where there are strong chemicals, such as in darkrooms or chemical labs.

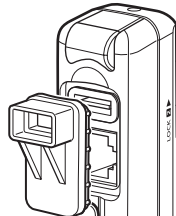
# Nomenclature



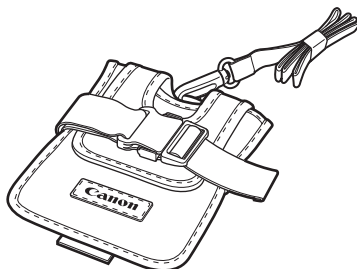
**Transmitter Case**



**Waterproof/Dustproof USB Cap\*2**



**External Media Case\*1**



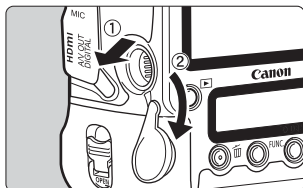
\*1: For storing portable hard disks or other devices.

\*2: Attach this cap before connecting the USB cable in rainy weather or under other adverse conditions.

# Attaching to the Camera

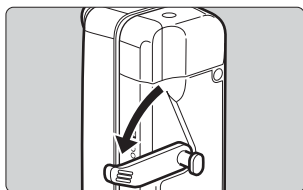
Turn off the camera before attaching the transmitter.

**Ensure the camera battery has sufficient charge. If the charge drops below 19%, you cannot transfer captured images or back them up to external media.**

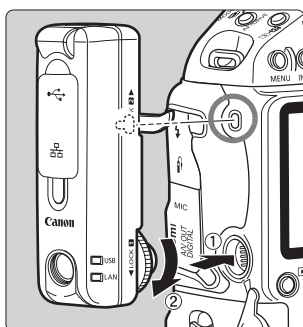


## 1 Open the terminal cover on the camera.

- Open the extension system terminal cover and turn it toward the bottom.

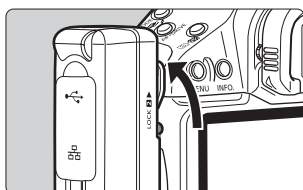


## 2 Move the lever into the release position.



## 3 Attach the transmitter.

- Align the attachment pin with the WFT-E2 II/IIA mounting hole on the camera.
- Push the terminal firmly into the camera.
- As you push the terminal into the camera, turn the tightening screw until it stops rotating to attach the transmitter securely.



## 4 Move the lever into the locked position.

- The transmitter is now attached to the camera.
- The transmitter will be powered by the camera.

## Removal

- Turn off the camera.
- Push the lever down, into the release position.
- Loosen the tightening screw until it spins freely.
- Pull the terminal out of the camera.

# Subsequent Organization of This Manual

Click one of the following chapter titles to view the corresponding page.

---

**1 Basic Network Settings (p.15)**

**2 Transferring Images to an FTP Server (p.29)**

**3 Remote Capture Using EOS Utility (p.43)**

**4 Remote Capture Using WFT Server (p.49)**

**5 Linked Shooting (p.61)**

**6 Managing Settings Information (p.65)**

**7 Using External Media (p.71)**

**8 Using GPS Devices (p.83)**





# Basic Network Settings

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Complete the basic network settings by following transmitter connection instructions on the camera menu screen.

# Getting Ready

## [FTP trans.], [EOSUtility], [WFTserver]

The connection instructions help you follow the steps to connect the transmitter to an existing wireless or wired LAN.

To connect to a wireless LAN, prepare the wireless LAN terminal (wireless LAN access point or wireless LAN adapter) and computer in advance so that they are ready for you to connect the transmitter to the wireless network. When configuring the basic network settings, bring the transmitter within 3 m / 9.8 ft. of the wireless LAN terminal.

To connect to a wired LAN, use a LAN cable to connect the transmitter and computer. Set the transmitter for connection to the wired network.

## Wireless Transmission of Movie

Individual movie files are large, and wireless file transmission takes some time. When setting up an environment for stable transmission to the wireless LAN terminal, refer to the information on page 106.

## [LinkedShot]

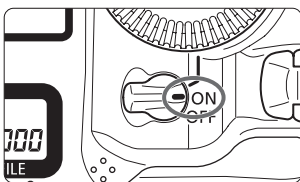
Set up two or more EOS-1D Mark IV cameras with attached transmitters.



# Displaying the Connection Wizard

This section describes the process of following the connection instructions. If an error is displayed, refer to “Troubleshooting” in Chapter 9 (p.91) and check the settings.

- Pressing the shutter button or other camera controls during configuration by the connection instructions will close the connection instructions. Do not press the shutter button or other controls until configuration is finished.
- On the [F:] tab, set **[Auto power off]** to **[Off]**. If auto power off is activated, the connection instructions will be closed during the configuration process.

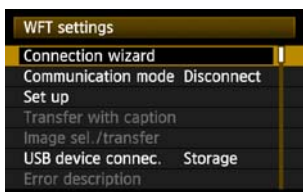


## 1 Turn the camera on.



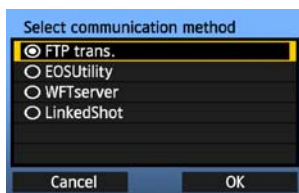
## 2 Display the transmitter menu.

- On the camera, press the <MENU> button.
- On the [F:] tab, select **[WFT settings]** and press <SET>. **[WFT settings]** is added to the tab after you attach the transmitter.



## 3 Select [Connection wizard].

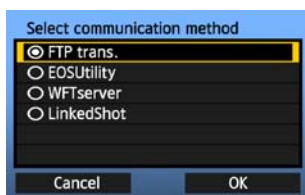
- ▶ The **[Select communication method]** screen is displayed.



- ▶ The <LAN> lamp starts blinking.

# Selecting the Communication Method and LAN Type ■

## Selecting the Communication Method



- Turn the <ⓘ> dial to select the communication method, and then press <SET>.
- Select [OK] and press <SET> to go to the next screen.

### • FTP trans.

Choose this option to 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.

#### Computer Operating Systems

Operation via [FTP trans.] requires that Windows Vista (Business, Enterprise, or Ultimate Edition for 32- or 64-bit systems), Windows XP Professional, Windows 2000, or Mac OS X 10.4 or 10.5 be installed on your computer. In addition, the computer must be set up as an FTP server in advance.

For instructions on setting up your computer as an FTP server, refer to the computer documentation.

**Windows Vista Home Premium and Home Basic Edition as well as Windows XP Home Edition cannot be used because FTP server functionality is not supported.**

### • EOSUtility

Choose this option for remote capture over a wireless or wired LAN using the EOS Utility software included with your camera.

In addition to remote capture, all camera operations in EOS Utility are supported. With this option, a wireless or wired network is used instead of the USB cable.

**Requires a computer with EOS Utility (included with EOS-1D Mark IV cameras) installed.**

## • WFTserver

Choose this option for remote capture over a wireless or wired LAN with the transmitter acting as a server.

Additionally, images on a memory card in the camera can be viewed and downloaded to a computer.

The camera can be accessed like browsing a webpage, by users at up to three computers.

### **Computer Operating Systems**

Any computer with a web browser can be used, regardless of the operating system.

Even devices other than computers can be used, if they feature a web browser. However, if the web browser does not support JavaScript, WFT Server functions will be limited. Also note that devices with limited performance may display images more slowly, and downloading images to these devices may not be possible.

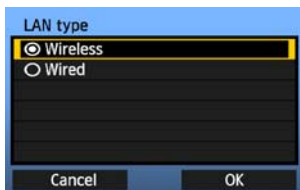
## • LinkedShot

Choose this option for linked shooting with multiple EOS-1D Mark IV cameras attached with transmitters. Up to 10 slave cameras can be linked to the master camera on which you will release the shutter. Note that there will be a slight delay after you release the master camera shutter before the slave cameras shoot. Movie shooting is not supported.

**For further instructions on [LinkedShot], refer to page 61 of this manual.**

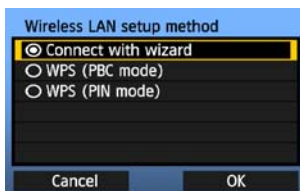
## Selecting the LAN Type

For [LinkedShot] instructions, refer to page 61. Note that no information about [LinkedShot] is given in this chapter.



- Turn the <⌂> dial to select the type of LAN, and then press <SET>.
- Select [OK] and press <SET> to go to the next screen.

### Wireless LAN



The [Wireless LAN setup method] screen is displayed.

[Connect with wizard]: See p.21

[WPS (PBC mode)]: See p.23

[WPS (PIN mode)]: See p.24

Select [WPS (PBC mode)] or [WPS (PIN mode)] when using a wireless LAN terminal compatible with Wi-Fi Protected Setup (WPS).

### Wired LAN

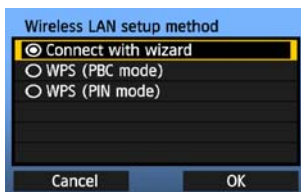
The [Network] settings screen is displayed. If you have selected a wired network, refer to page 25, “Configuring Network Settings.”

Use a Category 5 or higher STP LAN cable. (STP: Shielded Twisted Pair)

# Using the Wizard to Establish a Connection

## Selecting the Wireless Network

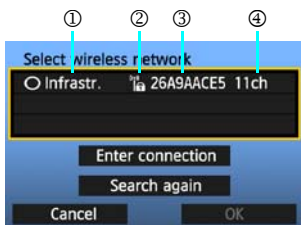
When you select **[Connect with wizard]**, active wireless LAN terminals in your area are listed, accompanied by information about them. Select the SSID (or ESS-ID) of your desired wireless LAN terminal.



1

### Select **[Connect with wizard]**.

- Turn the <⌂> dial to select **[Connect with wizard]**, and then press <SET>.



2

### Select the wireless LAN terminal.

- To select the wireless LAN terminal, press <SET>.
- Turn the <⌂> dial to select the wireless LAN terminal, and then press <SET>.
- Select **[OK]** and press <SET> to go to the next screen.

- ① Indicates whether the device is in infrastructure or ad hoc mode
- ② An icon is displayed if the wireless LAN terminal is encrypting communication
- ③ Indicates the first 9 characters of the SSID
- ④ Indicates the channel used

## Encryption by Wireless LAN Terminals

If the wireless LAN terminal is encrypting communication, select the corresponding method in **[Authentication]** and **[Encryption]**.

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

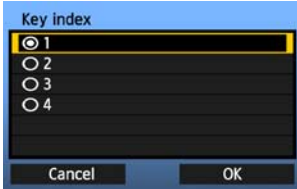
## **[Enter connection]** and **[Search again]**

- To configure settings for the wireless LAN terminal manually, select **[Enter connection]** and press <SET>. Complete the settings for the items displayed, one after another.
- To search for wireless LAN terminals again, select **[Search again]** and press <SET>.

## Entering the Wireless LAN Encryption Key

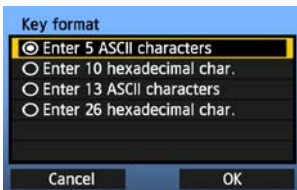
Next, enter the encryption key of the wireless LAN terminal. For details on the encryption key, refer to the device's instruction manual.

Note that the screens displayed in steps 1 to 3 below vary depending on the authentication and encryption of the wireless LAN terminal.



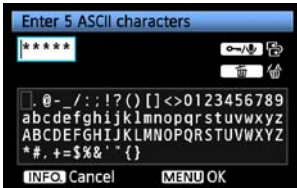
1

- The **[Key index]** screen is displayed only if WEP encryption is used by the wireless LAN terminal.
- Turn the <⌚> dial to select the key index number specified as the access point, and then press <SET>.
- Select **[OK]** and press <SET> to go to the next screen.



2

- Turn the <⌚> dial to select the key format, and then press <SET>.
- Select **[OK]** and press <SET> to go to the next screen.



3

- Enter the encryption key.
- To switch between input areas, press the <⇄/🗨️> button.
- To move the cursor, turn the <⌚> dial.
- In the bottom input area, turn the <⌚> dial and press <SET> to enter the encryption key.
- If you make a mistake, press the <🗑️> button to erase it.
- When you press the <MENU> button to complete the connection with the wireless LAN terminal, the **[Network]** screen (p.25) is displayed.
- To return to the previous screen, press the <INFO.> button. The entry is erased.

# WPS Connections (PBC Mode)

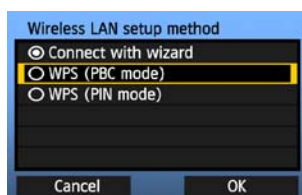
This is a connection mode when using a wireless LAN terminal compatible with Wi-Fi Protected Setup (WPS). Pushbutton Connection mode (PBC mode) makes it easy to establish a connection between the camera and the wireless LAN terminal by pressing the WPS button on the wireless LAN terminal.

Note that if multiple wireless LAN terminals are active in your area, it may be harder to establish a connection. In this case, try using **[WPS (PIN mode)]** to establish a connection.

Confirm the position of the WPS button on the wireless LAN terminal in advance.

It may take about one minute to establish connection.

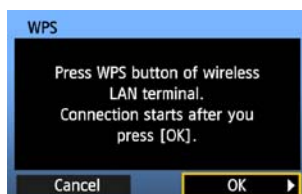
**Connection may not be possible if stealth functions are enabled on the wireless LAN terminal. Deactivate stealth functions.**



1

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

- Turn the <☉> dial to select **[WPS (PBC mode)]**, and then press <☉SET>.
- Select **[OK]** and press <☉SET> to go to the next screen.



2

## Establish a connection with the wireless LAN terminal.

- Press the WPS button on the wireless LAN terminal. For details about where the button is located and how long to press it, refer to the instruction manual of the wireless LAN terminal.
- Select **[OK]** and press <☉SET> to establish a connection with the wireless LAN terminal.
- When the connection with the wireless LAN terminal is established, the **[Network]** screen (p.25) is displayed.

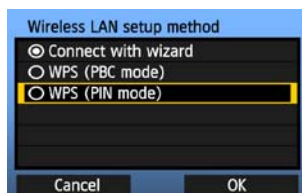
# WPS Connections (PIN Mode)

This is a connection mode when using a wireless LAN terminal compatible with Wi-Fi Protected Setup (WPS). In PIN code connection mode (PIN mode), an 8-digit identification number specified on the camera is set on the wireless LAN terminal to establish a connection.

Even if there are multiple wireless LAN terminals active in your area, this is a relatively reliable method of establishing a connection using a shared identification number.

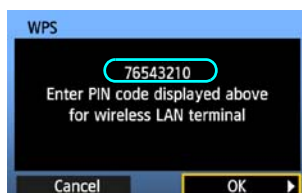
It may take about one minute to establish connection.

**Connection may not be possible if stealth functions are enabled on the wireless LAN terminal. Deactivate stealth functions.**



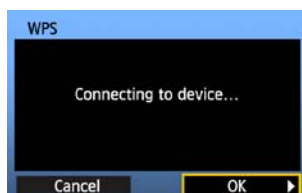
## 1 Select [WPS (PIN mode)].

- Turn the <◀▶> dial to select [WPS (PIN mode)], and then press <SET>.
- Select [OK] and press <◀▶> to go to the next screen.



## 2 Specify the PIN code on the wireless LAN terminal.

- On the wireless LAN terminal, specify the 8-digit PIN code shown on camera LCD monitor.
- For instructions on setting PIN codes on the wireless LAN terminal, refer to the instruction manual of the wireless LAN terminal.
- Select [OK] and press <◀▶> to display the confirmation screen.

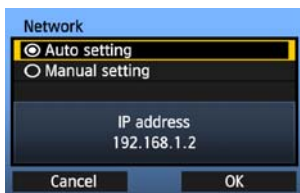


## 3 Establish a connection with the wireless LAN terminal.

- Select [OK] and press <◀▶> to establish a connection with the wireless LAN terminal.
- When the connection with the wireless LAN terminal is established, the [Network] screen (p.25) is displayed.



# Configuring Network Settings



- Turn the <⌂> dial to select how to configure the network settings, and then press <SET>.
- Select [OK] and press <SET> to go to the next screen.

## [Auto setting]

- Settings otherwise configured with [Manual setting] can be configured automatically. However, the IP address and similar settings must be automatically assigned and configured in environments using DHCP servers or wireless LAN terminals or routers supporting DHCP server functions. If an error is displayed, select [Manual setting] regardless of whether the IP address and similar settings are automatically assigned and configured.

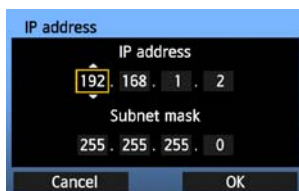
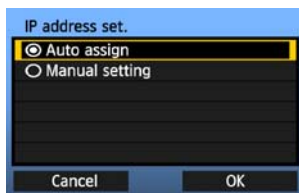
## [Manual setting]

The [IP address set.] screen is displayed after you select [Manual setting]. If [Auto setting] results in an error, enter the IP address manually. As the IP address, enter the IP address assigned to the camera.

Enter the [IP address], [Subnet mask], [Gateway], and [DNS address] on each screen as they are displayed.

If you are not sure what to enter, refer to page 107, “Checking Network Settings,” or ask the network administrator or another person knowledgeable about the network.

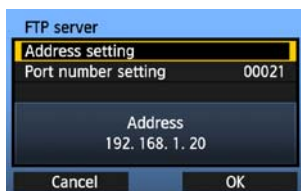
- When entering numbers for the IP address, subnet mask, and so on, press <SET> to move the input position and turn the <⌂> dial to enter the number.



## Completing Settings for the Communication Method

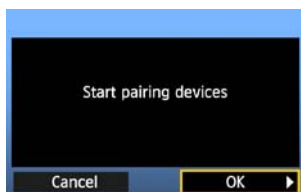
The following instructions are for settings screens that vary depending on the communication method (FTP Transfer, EOS Utility, or WFT Server), as shown below. Read the page that introduces the selected communication method.

### FTP trans.



Chapter 2 (p.29)

### EOSUtility



Chapter 3 (p.43)



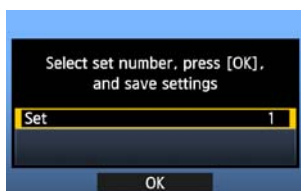
#### Windows Vista Users

Before performing the operations from page 43, perform the operations below. If these operations are not performed, the WFT Pairing Software described on page 44 may not start.

Open the [C Drive] → [Program Files] → [Canon] → [EOS Utility] → [WFTPairing] folder (in this order), and then double-click the [WFT FirewallSettings] icon.

After performing this operation, perform the operation on page 43.

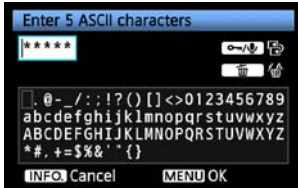
### WFTserver




Chapter 4 (p.49)

## Virtual Keyboard Operation


The virtual keyboard is displayed during entry of the encryption key, server name, and other information.




### Switching to other input areas



To switch between input areas, press the  button.


### Moving the cursor

To move the cursor, turn the  dial.


You can also move the cursor using .

### Entering text


In the bottom input area, turn the  dial to move the cursor and press  to enter text.

You can also move the cursor using .


### Deleting text

If you make a mistake, press the  button to erase it.

### Confirming entries

Press the  button to confirm what you have entered and go to the next screen.

### Canceling entries

Press the  button to erase the entry and return to the previous screen.





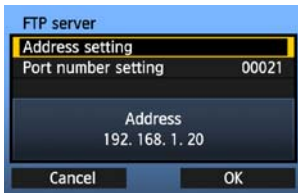
## **Transferring Images to an FTP Server**

---

With FTP transfer, you can automatically transfer each image to the FTP server as you shoot or transfer a set of shots together.

# Configuring FTP Communication Settings

These instructions are continued from Chapter 1.



1

- Turn the <⌂> dial to select **[Address setting]**, and then press <SET>.



2

- If you have set the DNS server setting to **[Disable]**, the screen at left is displayed.
- Press <SET> to select the input position, and then turn the <⌂> dial to enter the IP address of the FTP server.

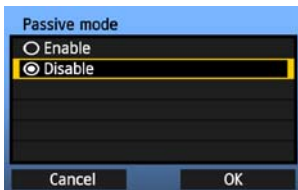


- If you have set the DNS server IP address setting to **[Auto assign]** or **[Manual setting]**, the screen at left is displayed.
- For instructions on screen operations, refer to “Virtual Keyboard Operation” (p.27).
- Enter the FTP server's server name or IP address.



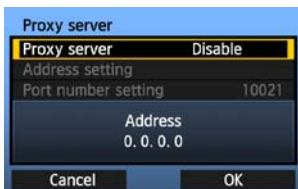
3

- In **[Port number setting]**, enter 00021, in most cases.
- Turn the <⌂> dial to select **[OK]**, and then press <SET> to go to the next screen.



4

- Complete the **[Passive mode]** settings.
- If an Error 41 (“Cannot connect to FTP server”) is displayed in step 8, setting **[Passive mode]** to **[Enable]** may resolve it.



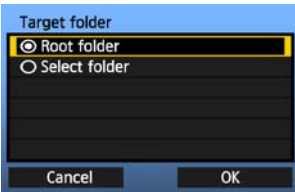
5

- Complete the **[Proxy server]** settings.
- Turn the <⌂> dial to select **[OK]**, and then press <SET> to go to the next screen.



6

- Complete the [**Login method**] settings.
- Turn the <⌚> dial to select [**OK**], and then press <SET> to go to the next screen.



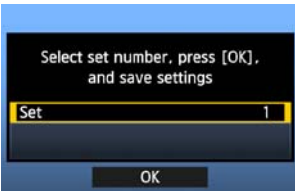
7

- Complete the [**Target folder**] settings.
- Select [**Root folder**] to have images saved in the root folder as specified in FTP server settings. (p.41)
- Select [**Select folder**] to specify a subfolder in the root folder. If no folder exists, a folder will be created automatically.
- Turn the <⌚> dial to select [**OK**], and then press <SET> to connect to the FTP server.



8

- On the confirmation screen displayed next, select [**OK**] and press <SET>.
- ▶ The <LAN> lamp is lit in green.



9

- Press <SET>. Turn the <⌚> dial to select the set number, and then press <SET>.
- Turn the <⌚> dial to select [**OK**], and then press <SET>. After the connection wizard is closed, the display reverts to the menu screen.



- Settings information is stored on the camera. It is not stored on the transmitter.

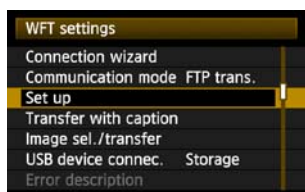
The network settings for FTP transfer are now complete.

# Automatic Image Transfer After Each Shot

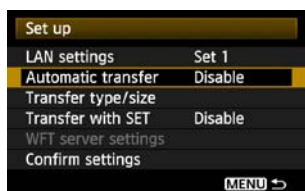
An image can be automatically transferred to the FTP server immediately after shooting. You can also continue shooting even while images are being transferred.

Before shooting, be sure to insert a memory card in the camera or connect external media (p.71). If you shoot without recording images, they cannot be transferred.

Note that automatic transfer of movie is not supported. Transfer the movie after shooting, as described on pages 35-39.

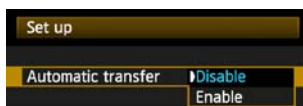


**1** In [WFT settings], select [Set up].



**2** Select [Automatic transfer].

- Select [Enable].



**3** Take the picture.

- ▶ The captured image is transferred to the FTP server.
- During image transfer, the <LAN> lamp blinks.



- During continuous shooting, images are transferred to the FTP server in the order they are captured.
- The captured images are also stored on the memory card.
- Any images for which transfer fails or is interrupted can be transferred later together.

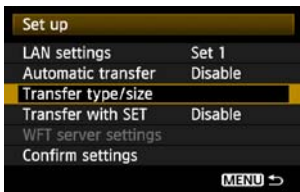


## Selecting Particular Sizes or Types of Images to Transfer

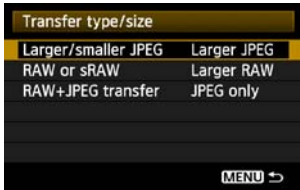
In automatic transfer during shooting, you can choose which images to transfer if different sizes of images are recorded to the memory card and external media, or during RAW+JPEG shooting.



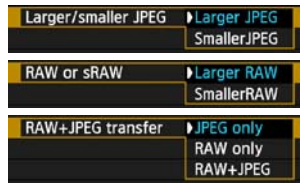
**1** In [WFT settings], select [Set up].



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



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

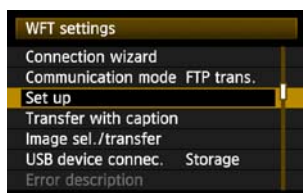


- If the camera is set up to record larger JPEGs on a CF card and smaller JPEGs on an SD card and you want to transfer the smaller JPEGs, set [**Larger/smaller JPEG**] to [**Smaller JPEG**].
- If the camera is set up to record RAW images on a CF card and JPEGs on an SD card, specify which images to transfer in the [**RAW+JPEG transfer**] setting. Similarly, complete the same setting if RAW+JPEG images are recorded simultaneously on a single memory card.
- If images of the same size are recorded on a CF card, SD card, and external media at the same time, images recorded on the CF card are transferred, regardless of the image quality (compression).

# Transferring Images Individually

Simply select an image and press <SET> to transfer it. You can also add a caption before transferring images. You can also continue shooting even while images are being transferred.

## Transferring the Current Image

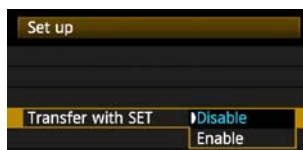


1 In [WFT settings], select [Set up].



2 Select [Transfer with SET].

- Select [Enable].



3 Select the image.

- On the camera body, press the <▶> button.
- Select the image to transfer, and then press <SET> to transfer the image.
- **Movie cannot be transferred this way.**  
Selecting movie and pressing <SET> will display the movie playback panel.

## Adding a Caption Before Transfer

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

**For instructions on creating and registering captions, refer to page 110.**

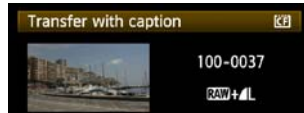
You can check for captions added to images by examining the Exif information, in the user comments.

### 1 Take the picture.



### 2 In [WFT settings], select [Transfer with caption].

- The last captured image is displayed.

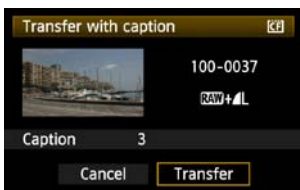


- It is not possible to select other images on the [Transfer with caption] screen. To select another image for transfer with a caption, view that image before following these steps.




### 3 Select a caption.

- Turn the <ⓘ> dial to select the [Caption] frame, and then press <SET>.
- Turn the <ⓘ> dial to select the content of the caption, and then press <SET>.



### 4 Transfer the image.

- Turn the <ⓘ> dial to select [Transfer], and then press <SET>.

 If you add captions to images that include original decision data, these images are no longer judged to be original images.

# 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.

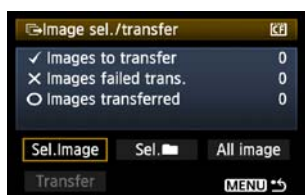
If both a CF card and SD card are used at the same time, or if external media is connected, images are transferred from the source specified on the menu [F] tab, in [Record func+media/folder sel.] → [Record/play].

You can also continue shooting even while images are being transferred.

## Selecting Images to Transfer



**1** In [WFT settings], select [Image sel./transfer].



**2** Select [Sel. Image].

► An image is displayed.



**3** Select images to transfer.

- Press <SET>. Turn the <DISP> dial to display <✓> in the upper left corner of the image to transfer.
- Press <SET> to confirm your selection.  
You can select up to 9,999 images.
- Press the <Q> button to display three images per screen. Press the <Q> button to display one image per screen again.



- After selecting images to transfer, press the <MENU> button.



## 4 Transfer the images.

- Select [Transfer].
- Select [OK] on the confirmation screen displayed next.
- ▶ A transfer progress screen is displayed.

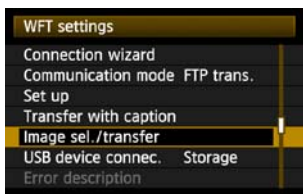


- During image transfer, the <LAN> lamp blinks.

## Menu Operation During Image Transfer

You can use the menu even during image transfer. However, to prevent transfer problems, some menu items are unavailable during transfer, including [WFT settings], [Protect images], [Erase images], [Format], and [Record func+media/folder sel.].

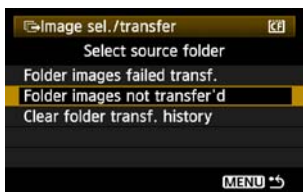
## Batch Transfer of Images in a Folder



**1** In [WFT settings], select [Image sel./transfer].



**2** Select [Sel. ].

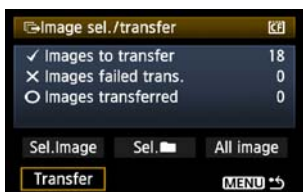


**3** Select [Folder images not transfer'd].

- To transfer images that could not previously be transferred, select [Folder images failed transf.].



**4** Select a folder.



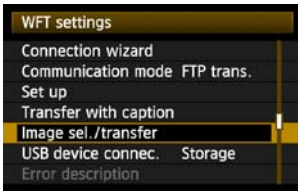
**5** Transfer the images.

- Select [Transfer].
- Select [OK] on the confirmation screen displayed next.
- ▶ A transfer progress screen is displayed.
- During image transfer, the <LAN> lamp blinks.



Selecting [Clear folder transf. history] will set the transfer history of images in the selected folder to “unsent.” This enables you to resend all the images in the folder later by selecting [Folder images not transfer'd].

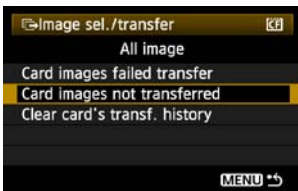
## Batch Transfer of Images on memory Cards



**1** In [WFT settings], select [Image sel./transfer].



**2** Select [All image].



**3** Select [Card images not transferred].

- To transfer images that could not previously be transferred, select [Card images failed transfer].



**4** Transfer the images.

- Select [Transfer].
- Select [OK] on the confirmation screen displayed next.
- ▶ A transfer progress screen is displayed.
- During image transfer, the <LAN> lamp blinks.



Selecting [Clear card's transf. history] will set the transfer history of images on the memory card to "unsent." This enables you to resend all the images on the card later by selecting [Card images not transferred].

# Checking Image Transfer History

## Checking the Transfer History of Individual Images

To check the transfer history, in [Image sel./transfer], select [Sel.Image].



Image not selected for transfer (no icon)

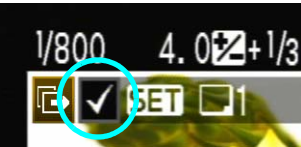


Image selected for transfer

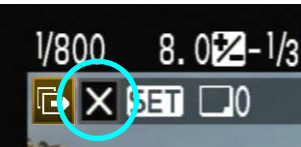


Image could not be transferred

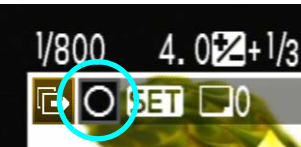


Image transferred

## Checking the Transfer History of Folders or Memory Cards



On the [Image sel./transfer] screen, you can check the number of images for transfer as well as the transfer history of images in the selected folder or memory card. Specifically, you can check the number of images classified as [Images failed trans.] and [Images transferred].



# Viewing Transferred Images

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

---

## Windows

- 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.

## Macintosh

- Open the **[Macintosh HD]** → **[Users]** folder. The folder where images are stored is located in the folder of the user currently logged on, or in a subfolder there.

## Folders for Image Storage

Under the default transmitter settings, transferred images will be stored in the root folder specified in the FTP server settings, in a folder structure such as **A/DCIM/100EOS1D** which is automatically created.

Additionally, if you have selected a CF card as the media for recording and playback, a folder structure such as “**A/DCIM/100EOS1D**” is automatically created for image storage. For an SD card, “**B/DCIM/100EOS1D**” is created, and for external media, “**C/DCIM/100EOS1D**” is created. (CF card images are assigned to the A folder, SD card images to the B folder, and external media images to the C folder.)



# 3

## **Remote Capture Using EOS Utility**

---

You can use EOS Utility to shoot remotely over a wireless or wired LAN. In addition to remote capture, all camera operations in EOS Utility are supported because a wireless or wired network is used with this option instead of the USB cable.

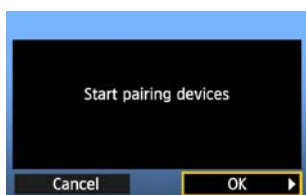
# Configuring EOS Utility Communication Settings

These instructions are continued from Chapter 1.

With EOS Utility, you can use the included WFT Pairing Software to establish a connection between the transmitter and a computer.

WFT Pairing Software is installed automatically during easy installation of the software provided with the camera. If it is not installed, install it on the computer for communication with the transmitter before this procedure.

The configuration procedure is as follows, using Windows XP as an example.



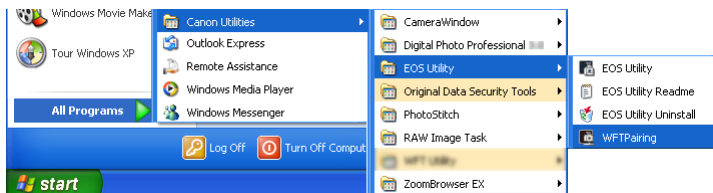
1

- First, the pairing screen is displayed.
- Turn the <◀▶> dial to select [OK]. When you press <SET>, the following message is displayed. Here, \*\*\*\*\* represents the last six digits of the MAC address of the WFT-E2 II for the connection.

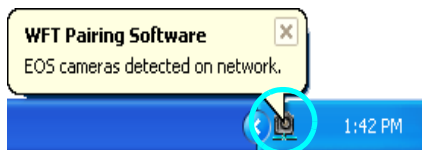


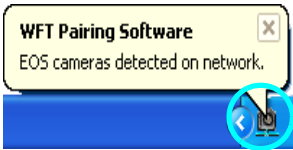
2

- Start the pairing software.
- Normally, it is installed in the same location as EOS Utility.



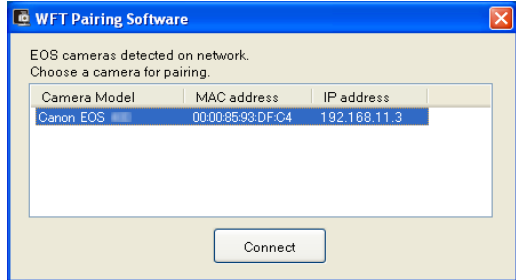
- ▶ After the pairing software starts up, an icon is displayed in the task bar.
- ▶ When the camera is detected, a message is displayed.



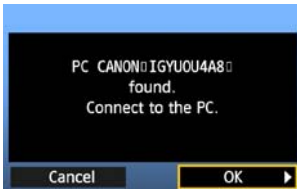


3

- Double-click the pairing software icon.
- ▶ Detected cameras are listed. Cameras that have already been connected are not included in the list.

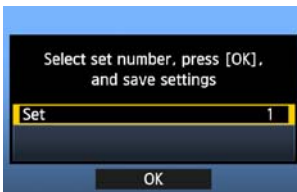


- Click **[Connect]**.
- If multiple cameras are displayed, identify the camera to connect to by its **[MAC address]** or **[IP address]**.
- You can check the **[MAC address]** and **[IP address]** by accessing **[Confirm settings]** in the menu (p.66).



4

- When the camera detects the computer on which you clicked **[Connect]** in step 3, the message at left is displayed.
- Turn the **<OK>** dial to select **[OK]**, and then press **<SET>**.



5

- Press **<SET>**. Turn the **<OK>** dial to select the set number, and then press **<SET>**.
- After you turn the **<OK>** dial to select **[OK]** and press **<SET>**, the connection wizard is closed and EOS Utility starts up.
- ▶ The **<LAN>** lamp on the transmitter is lit in green.
- Settings information is stored on the camera. It is not stored on the transmitter.


The EOS Utility network settings are now complete.

- There is no need to complete pairing again if you will continue using a particular camera, transmitter, and computer together after pairing without changing the settings. Before your next PTP session, simply turn on the camera to which the transmitter is attached and start the pairing software. The connection between the camera and computer will be established automatically.
- You can add the pairing software to the software launched at startup of your computer. In EOS Utility on the **[Preferences]** → **[Basic Settings]** tab, select [☐ **Add WFT Pairing Software to the Startup folder**].

# Using EOS Utility

For EOS Utility instructions, refer to the Software Instruction Manual (PDF). You can take full advantage of EOS Utility via the transmitter just as via a USB connection, without restrictions.



 In Remote Live View shooting, the rate of image transmission is slower than via USB. The motion of moving subjects cannot be displayed smoothly.







# 4

## **Remote Capture Using WFT Server**

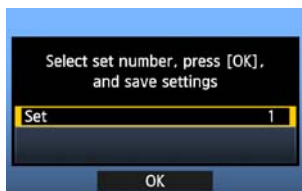
---

Using a web browser, you can view images on a memory card in the camera and download them to a computer.

Additionally, you can shoot remotely over a wireless or wired LAN. Note that bulb and movie shooting are not supported.

# Configuring WFT Server Communication Settings ■

These instructions are continued from Chapter 1.



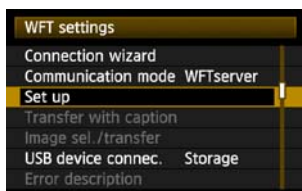
- Press <SET>. Turn the <⌚> dial to select the set number, and then press <SET>.
- Press <SET> again. After the connection wizard is closed, the display reverts to the menu screen.
- ▶ The <LAN> lamp on the transmitter is lit in green.



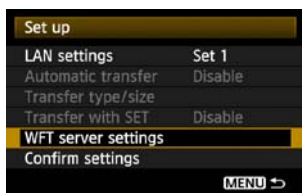
- Settings information is stored on the camera. It is not stored on the transmitter.

## Setting up an Account

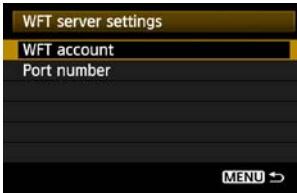
Enter a logon name and password for accessing the camera from a computer. The logon name and password you specify here are used on the computer when connecting to the camera.



- Turn the <⌚> dial to select [**Set up**], and then press <SET>.



- Turn the <⌚> dial to select [**WFT server settings**], and then press <SET>.



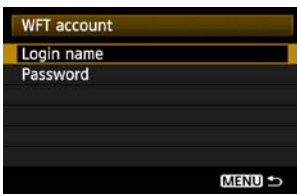
3

- Turn the <⌚> dial to select [**WFT account**], and then press <⌚>.
- When changing the port number, turn the <⌚> dial to select [**Port number**] and press <⌚>. Note that there is normally no need to change the port number (80).



4

- Select a user number.
- With WFT Server, you can connect the camera to up to three computers. Here, select a user number to prevent conflicts when users at other computers are connected to the transmitter simultaneously.
- Turn the <⌚> dial to select [**User \***], and then press <⌚>.



5

- After you select [**Login name**] and [**Password**], the following input screen is displayed.
- For instructions on input screen operations, refer to “Virtual Keyboard Operation” (p.27).



The WFT Server network settings are now complete.

# Displaying WFT Server

In the web browser, display WFT Server, a screen for transmitter operations. Make sure you have already established a connection between the camera and computer.

## 1 Start the web browser.

- First, start Internet Explorer or another web browser.



## 2 Enter the URL.

- In the address field, enter the IP address assigned to the camera.
- Press the <Enter> key.

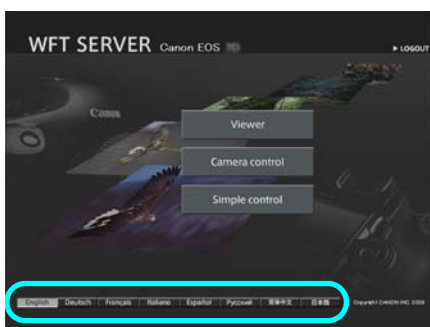


## 3 Complete the [Login name] and [Password] settings.

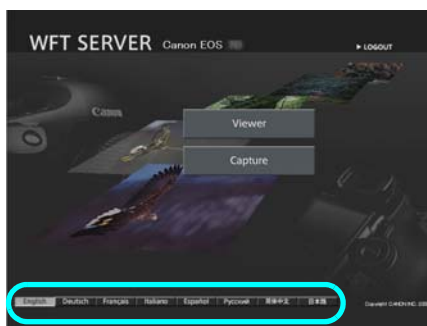
- Enter the login name and password as specified in the procedure on page 51. Click [OK] to display the WFT Server screen.
- Web browsers that support JavaScript now display the screen on the left below step 4. Otherwise, a message is displayed if JavaScript is not supported. Choosing not to use JavaScript will display the screen on the right below step 4, with limited functions.

## 4 Select the language.

- Select a language at the bottom of the screen.



JavaScript supported



JavaScript not supported

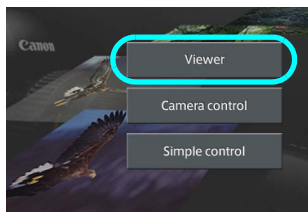


### If you don't know the URL (IP address)

You can check the URL (IP address) by accessing [Confirm settings] in the menu (p.66).

# Viewing Images

Browse images on the camera's memory card as follows.



1

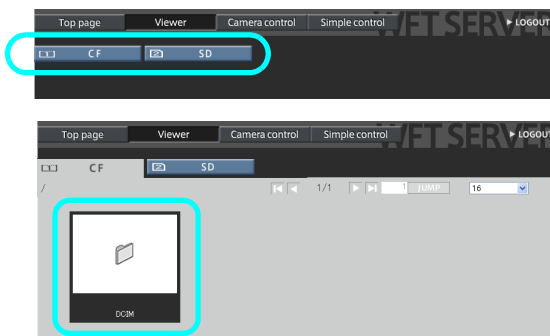
## Click [Viewer].

- The image viewing screen is displayed.

2

## Select the memory card.

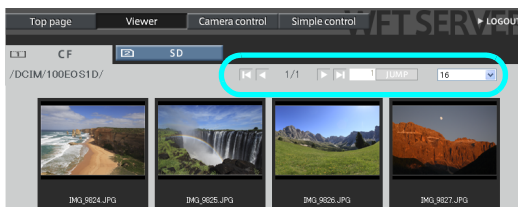
- Click [CF], [SD], or the external media.
- Click the [DCIM] folder and select the folder containing the images.




3

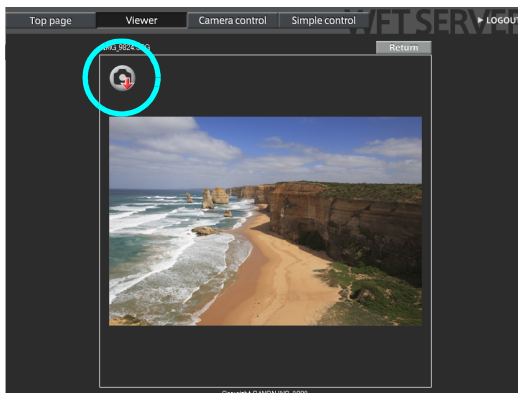
## Select an image.

- To view another image, click the <[Left Arrow] [Right Arrow]> buttons or jump to other pages.
- In JavaScript-compatible web browsers, you can specify how many thumbnails are shown per screen by clicking the pull-down list in the upper-right corner of the screen.



## 4 Download images to the computer.

- Click a thumbnail.
- ▶ The image is displayed at a larger size.
- To download the image to your computer, click .
- Click **[Return]** to return to the image viewing screen.

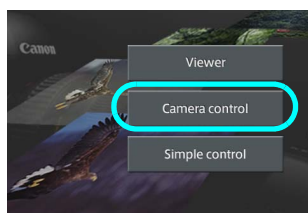


Although actual RAW images and movies are not displayed here, they can be downloaded to the computer the same way as JPEGs.

# Remote Capture [Camera control]

First, prepare the camera for Live View shooting. Note that remote capture of movies is not supported.

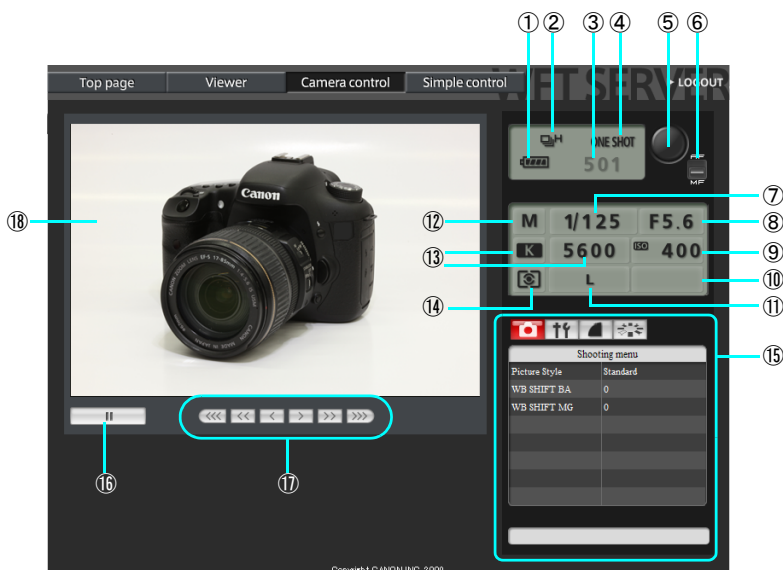
For web browsers that do not support JavaScript, refer to page 59, “Remote Capture.”



1

Click [Camera control].

► The advanced capture screen is displayed.



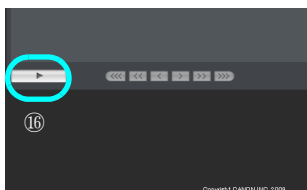
①	Battery check
②	Drive mode
③	Possible shots
④	AF mode
⑤	Release button
⑥	AF/MF switch
⑦	Shutter speed
⑧	Aperture
⑨	ISO speed
⑩	Exposure compensation

⑪	Quality
⑫	Shooting mode
⑬	White balance
⑭	Metering mode
⑮	Menu
⑯	Live View shooting button
⑰	Manual focus button
⑱	Live View image screen

\* Shaded items cannot be configured via WFT Server. ② and ④ are configured on the camera itself.

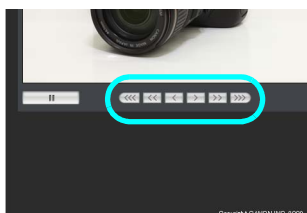
## 2 Set the lens focus mode switch to <AF>.

- Under these conditions, click the release button (⑤). When you let go of the mouse button, the camera autofocuses and shoots. (See step 5.)
- With One-Shot AF, the camera does not shoot unless focus is achieved. Try following the next steps to display Live View image and shoot after manually focusing.



## 3 Display Live View image.

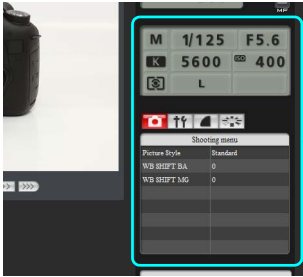
- Click the Live View shooting button (⑫).
- ▶ The AF/MF switch (⑥) is set to <MF>, and Live View image is displayed.
- If Live View image is not displayed, enable Live View shooting in the menu (⑮).



## 4 Manually adjust the focus.

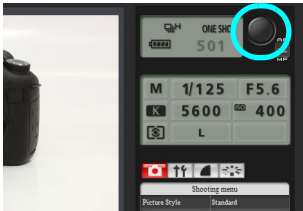
- Click the buttons <<<>, <<<>, <<<>, <<<>, <<<>, and <<<>> to adjust the focus. Note that autofocus is not supported during Live View image display.
- To focus more closely, click <<<>, <<<>, or <<<>. To focus farther away, click <<<>, <<<>, or <<<>>.
- Three levels of focus adjustment are available.
- <<<> <<<>> : Largest increment
- <<<> <<<>> : Intermediate increment
- <<<> <<<>> : Smallest increment





## 5 Configure the shooting settings.

- Click setting items (such as quality) to view the setting details, which you can configure.
- Complete the settings as needed.



## 6 Take the picture.

- Click the release button (⑤). When you let go of the mouse button, the camera shoots.
- ▶ The captured image is now displayed.
- Captured images are stored on the memory card.
- To download images to your computer, refer to page 53, and use the **[Viewer]** function.



The Live View image may freeze when shooting if the camera is accessed by multiple computers.

11

**For web browsers that do not support JavaScript, refer to page 59, “Remote Capture.”**



- The basic capture screen is displayed, and Live View image is displayed.



< <<< > < << > < < >: Focuses more closely  
< > > > >: Focuses farther away

< <<< > >>> > : Largest increment

< << > >> > : Intermediate increment

< < > > : Smallest increment

Release button



- Set the lens focus mode switch to <AF>.
- Click the buttons <◀◀◀>, <◀◀>, <◀>, <▶>, <▶▶>, and <▶▶▶> to adjust the focus.

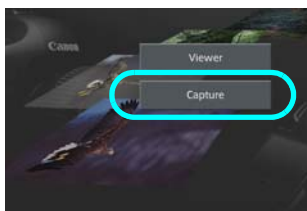


- Click the release button. When you let go of the mouse button, the camera shoots.
- ▶ The captured image is now displayed.
- Captured images are stored on the memory card.
- To download images to your computer, refer to page 53, and use the **[Viewer]** function.

# Remote Capture

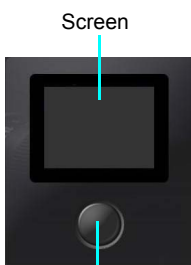
The following instructions are for remote capture with web browsers that do not support JavaScript.

First, prepare the camera for Live View shooting. Note that remote capture of movies is not supported.



## 1 Click [Capture].

- ▶ The capture screen is displayed.
- Live View image is not displayed.



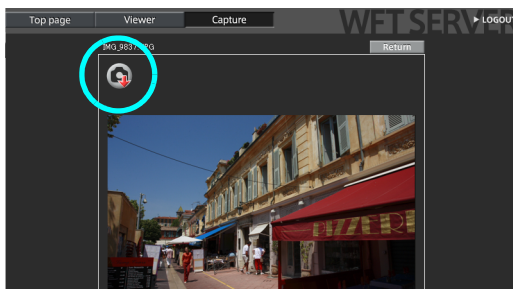
## 2 Take the picture.

- Set the lens focus mode switch to <MF>. Adjust the focus on the camera.
- Click the release button. When you let go of the mouse button, the camera shoots.
- ▶ The captured image is now displayed.
- Captured images are stored on the memory card.



## 3 Download images to the computer.

- Click the image.
- ▶ The image is displayed at a larger size.
- To download the image to your computer, click <Download>.
- Click [Return] to return to the capture screen.



Although actual RAW images are not displayed here, they can be downloaded to the computer the same way as JPEGs.

