Canon

Windows

Macintosh

Wireless File Transmitter WFT-E1/E1A Network Setup Guide

Compatible with WFT-E1 Utility Ver. 2

For customers using the WFT-E1A

Although this manual refers to the WFT-E1, the setup procedures are the same for the WFT-E1A.



Manual contents and structure

To transfer images to a computer via a wireless or wired LAN using the WFT-E1, the computer has to function as an FTP server. To transfer images from the WFT-E1 to a computer, you need to have the proper settings on the computer and the WFT-E1.

To help you establish a simple image-transfer network, this manual explains a method of operating a computer as an FTP server, and the settings and procedures to transfer images using a wireless LAN or wired LAN to see images on a computer screen.

IP addresses and security settings such as authentication, encryption, and SSID used in this manual are examples only. Make settings appropriate for your environment.

For Windows infrastructure mode, this manual assumes that a wireless LAN access point with a router function is already connected to the FTP server by a wireless LAN or a wired LAN.

This manual contains explanations for Windows and Macintosh systems along with troubleshooting methods and references. Click an item in the table of contents below to view the page. This manual assumes that you have read the camera's instruction manual and are familiar with camera operating procedures. The menu screens are based on the EOS-1Ds Mark II.

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Macintosh

- 1 Transferring Images Using a Wireless LAN Infrastructure Mode
- 2 Transferring Images Using a Wireless LAN Ad Hoc Mode
- 3 Transferring Images Using a Wired LAN

Troubleshooting

Reference: Changing the LAN Settings with the Camera

For EOS 20D users

The EOS 20D firmware has to be Ver. 2.0.0 or higher, and the WFT-E1 firmware Ver. 2.0.1 or higher. If the firmware versions are older, upgrade them first.

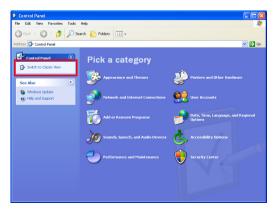
Windows

Setting Up the Computer

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For Windows XP users

Follow the procedures below to restore the classic view in the Control Panel. Click the [Start] button, select [Control Panel] to open the [Control Panel] window, and click [Switch to Classic View].



1

Install FTP Server Functions

To use the computer as an FTP server, install Internet Information Services (IIS) on the computer (Windows XP or Windows 2000) on which images will be transferred. Internet Information Services can be installed using the Windows XP or Windows 2000 CD-ROM. **Please be sure to have the CD-ROM for the operating system installed on the computer.**

Although this chapter uses Windows XP screenshots, the procedure is the same for Windows 2000. If IIS is already installed, proceed to the next item "Setting Up the Computer to Operate as an FTP Server."

Windows XP Home Edition is not compatible with Internet Information Services. Be sure to use Windows XP Professional.

Do not insert the Windows XP CD-ROM into the computer until step 7.



2

Double-click [Add or Remove Programs].

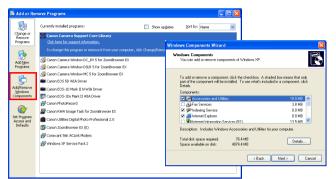
• In Windows 2000, double-click [Add/Remove Programs].





Click [Add/Remove Windows Components].

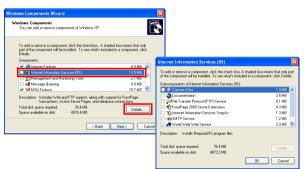
The [Windows Components Wizard] will appear.





Double-click [□Internet Information Services (IIS)].

[Internet Information Services (IIS)] details will appear.





Check [DFile Transfer Protocol (FTP) Service].

- Check marks will also be placed in [□Internet Information Services Snap-in] and [□Common Files] as well.
- Click the [OK] button to return to the [Windows Components Wizard].





Click the [Next] button.



Installation begins, and the [Insert Disk] message will appear. Depending on the computer, installation may go ahead without showing this message.



Insert the OS CD-ROM into the computer, and click the [OK] button.

Installation starts and the completion screen appears.



If a [Files Needed] message appears, click the [Browse] button to select [My Computer], and open the drive in which the OS CD-ROM was inserted. Open the [i386] folder and click the [Open] button. In the [Files Needed] message screen, click the [OK] button to resume installation.



 Click the [Finish] button to finish installation of Internet Information Services (IIS).

Windows Components Wi	rard 🛛 🕅
	Completing the Windows Components Wizard Voluwe accessity/condited the Wedows Component Wead
-0	To close this wizard, click Finish.
	K Back

• Follow the procedures on the next page to make sure that Internet Information Services (IIS) is installed.

Checking Installation



[Start] button → Select [Control Panel].





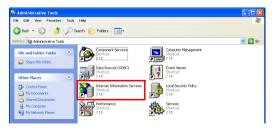
Double-click [Administrative Tools].





Double-click [Internet Information Services].

• In Windows 2000, double-click [Internet Service Manager].





Click [+].

• "CANON ..." on the right of the [+] sign indicates the computer's name, so it will differ depending on the computer.

🛐 Internet Information Servic	es			
File Action View Help				
+ + 📧 😼 😫	► ■ 11			
← → Ⅲ G S 및 ternet Information Services ⊕ GANON (local computer)	Computer	Local	Version	Stat
E-B CANON (local computer)	B CANON (local computer)	Yes	II5 V5.0	
-				



Click [+] on the left of [FTP Sites].

If [Default FTP Site] appears, Internet Information Services (IIS) is successfully installed.

				_				
Internet Information Services				×				
File Action View Help								
	III II							
Internet Information Services	Computer	Local	Version	Stat				
GANON (local computer)	CANON (local computer)	Yes	115 VS.0					
		- 1	💐 Internet Information S	ervice	s			
			File Action View Help					
			← → 🖪 🔂 🔮	2 ▶				
			Internet Information Service		Computer	Local	Version	Stat
			CANON (local computer)		B CANON (local computer)	Yes	115 VS.0	
			ETP Stes					
				_				

If [Default FTP Site] does not appear

- Try installing Internet Information Services (IIS) again.
- If you have confirmed that Internet Information Services (IIS) is installed, proceed to "Setting Up the Computer to Operate as an FTP Server" on page 10. Without these settings the computer will not operate as an FTP server.

1

Setting Up the Computer to Operate as an FTP Server



[Start] button → Select [Control Panel].





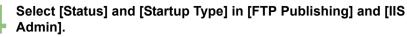
Double-click [Administrative Tools].

le Edit View Favorites Tools	Help							1
3 Back 🕤 🕥 - 🎓 🔎	iearch 🜔 Fold	lers 🛄 •						
dress 📴 Control Panel							~	3
Control Panel	<u>¢</u> .	Ż	6	-	も	9	8	
Switch to Category View	Accessibility Options	Add Hardware	Add or Remov	Administrative Tools	Automatic Updates	Date and Time	Display	
See Also	I	đ	ŝ	9		3		
🍓 Windows Update	Folder Options	Fonts	Game Controllers	Internet Options	Keyboard	Mouse	Network Connections	
Help and Support	1	2	4	4	9	3	1	
	Network Setup Wizard	Phone and Modem	Power Options	Printers and Faxes	Regional and Language	Scanners and Cameras	Scheduled Tasks	
	۲	O,	2			92	6	
	Security Center	Sounds and Audio Devices	Speech	System	Taskbar and Start Menu	User Accounts	Windows Firewall	
	2							
	Wireless Link	Wireless Network Set						



Double-click [Services].





- If [Status] is set to [Started] and [Startup Type] is [Automatic], your computer will operate as an FTP server.
- In Windows 2000, [IIS Admin] appears as [IIS Admin Service].

le Action View	Help						
Services (Local)	🐞 Services (Local)	_					
	Select an item to view its description.	Name /	Description	Status	Startup Type	Log On As	
		Client	Resolves a	Started	Automatic	Network S	
		Error Reporting Ser	Allows erro	Started	Automatic	Local System	
		Event Log	Enables ev	Started	Automatic	Local System	
		SaFast Liser Subching	Provides m	Started	Manual	Local System	
		FTP Publishing	Provides F	Started	Automatic	Local System	
		Help and Support	Enables He	Started	Automatic	Local System	
		CHITP SSL	This servic		Manual	Local System	
		Salt man Interface D	Enables de		Disabled	Local System	
		SIIS Admin	Allows adm	Started	Automatic	Local System	
		Neg IMAPI CD-Burning C	Manages C		Manual	Local System	
		Tridexing Service	Indexes co		Manual	Local System	
		Sinfrared Monitor	Supports in	Started	Automatic	Local System	
		PSEC Services	Manages I	Started	Automatic	Local System	
		Logical Disk Manager	Detects an	Started	Automatic	Local System	
		Logical Disk Manage	Configures		Manual	Local System	
		Messenger	Transmits		Disabled	Local System	
	1	MS Software Shado	Manages s		Manual	Local System	
	1	Net Logon	Supports p		Manual	Local System	
	1	NetMeeting Remote	Enables an		Manual	Local System	
		Network Connections	Manages o	Started	Manual	Local System	
		Antwork DDE	Provides n		Disabled	Local System	

If the settings are not configured as above

• Double-click [**Properties**], select [**Automatic**] for [**Startup type**], and click the [**Apply**] button. Then click the [**Start**] button in [**Service status**].

TP Publishing	Properties (Local Computer)	2 🛛	FTP Publishing Properties (Local Computer)	?
General Log On	Recovery Dependencies		General Log On Recovery Dependencies	
Service name: Display name: Description: Path to executal			Service name: MSFprvc Display name: TEP Descriptor: Descriptor: Provides TF Connectivity and administration frough the Internet Information Services snap-in Path to executable:	())
C:\WINDOWS\ Startup type:	pystem32\inetsrv\inetinfo.exe	~	C:W/INDDWS\system32\inetsr\inetinfo.exe Startup type: Automatic 1	~
Service status: Start You can specify from here. Start parameters	Stopped Stop Paure Result Result Break parameters that apply when you start the se		Service table: Stopped Service table: 300 Partice Partice Partice Start parameters that accel when you table the and then here. Start parameters:	
	OK Cancel	Apply	OK Cancel A	oply

A [Service Control] startup screen will appear.
 Click the [OK] button in [Properties] to finish the settings.

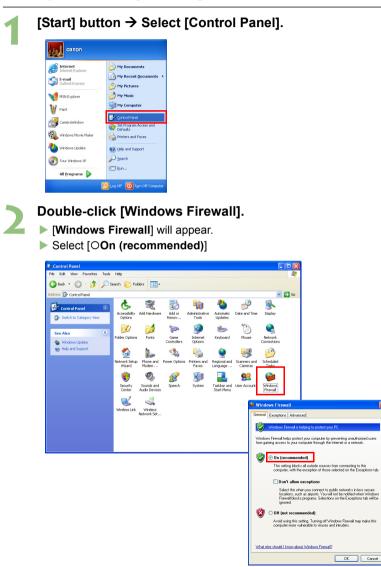
Service Control
Windows is attempting to start the following service on Local Computer FTP Publishing
Close

P Publishing	Properties (Local Computer)
ieneral Log On	Recovery Dependencies
Service name:	MSFtpsvc
Display name:	FTP Publishing
Description	Provides FTP connectivity and administration through the Internet Information Services snap-in
Path to executat	de:
C:\WINDOWS\	system32\inetsrv\inetinfo.exe
Startup type:	Automatic 💌
Service status:	Started
Start	Stop Pause Resume
You can specify from here.	the start parameters that apply when you start the service

Changing Firewall Settings

This section is only for people using Windows XP Service Pack 2 or a higher version.

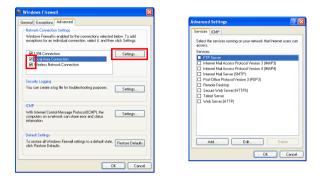
With Windows XP Service Pack 2, images may not be transferred if the Windows firewall is on, so you need to change the settings of the Windows firewall.





Double-click [Advanced].

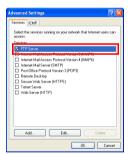
- Check [Local Area Connection] if you use a LAN cable to transfer images to the computer, or [Wireless Network Connection] if you use a wireless connection, and click the [Settings] button.
- [Advanced Settings] will appear.





Check [DFTP Server].

▶ If [Service Settings] appears, click the [OK] button without changing anything.



Description of service:	
FTP Server	
Vame or IP address (for exa computer hosting this service	
CANON	
sternal Port number for this	
	● TCP ○ UDP

Click the [OK] button in [Advanced Settings] and click the [OK] button in [Windows Firewall] to finish the settings.

MEMO

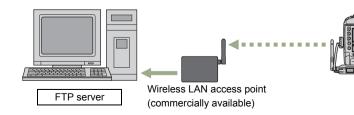
Windows

Transferring Images Using a Wireless LAN Infrastructure Mode

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Infrastructure Mode Overview

Images are transmitted to an FTP server via a wireless LAN access point.



Connect a wireless LAN access point to an FTP server using a LAN cable, wireless LAN card or wireless LAN adapter.

Setting Up the FTP Server

This chapter assumes that the wireless LAN access point is already connected to the FTP server by a wireless LAN or a wired LAN.





Double-click [Administrative Tools].

* Control Panel							
lie Edit View Pavorites Tools	Help						4
🕄 Back 🔹 🕥 🕆 🏂 🔎 S	earch 🌔 Fold	lers 👬 -					
ddress 📴 Control Panel							💌 🄁 🖉
Control Panel	Ġ.	Ń	6	-	-	P	1
Switch to Category View	Accessibility Options	Add Hardware	Add or Remov	Administrative Tools	Automatic Updates	Date and Time	Display
See Also	V	đ	ŝ	9	*	Ċ	
🍓 Windows Update	Folder Options	Fonts	Game Controllers	Internet Options	Keyboard	Mouse	Network Connections
 Help and Support 	6		ي،	4	9	3	19
	Network Setup Wizard	Phone and Modem	Power Options	Printers and Faxes	Regional and Language	Scanners and Cameras	Scheduled Tasks
	۲	0,	2	3		<u>.</u>	6
	Security Center	Sounds and Audio Devices	Speech	System	Taskbar and Start Menu	User Accounts	Windows Firewall
	2						
	Wireless Link	Wireless Network Set					



Double-click [Internet Information Services].

• In Windows 2000, double-click [Internet Service Manager].





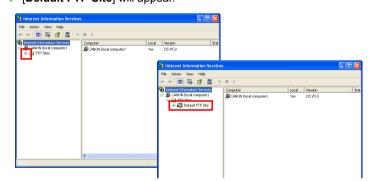
Click [+].

• "CANON ..." on the right of the [+] sign indicates the computer's name, so it will differ depending on the computer.





Click [+] on the left of [FTP Sites]. • [Default FTP Site] will appear.





Right-click [Default FTP Site], and select [Properties]. [Default FTP Site Properties] will appear.

File Action View Help						
← → 🔳 🗓 🔮	₽. ►					
Internet Information Servi E CANON (local compute E FTP Sites		Comp CA	uter NON (local computer)	Local Yes	Version IIS V5.0	SI
in the second	Explore Open Browse Start Stop Pause New All Tas Delete Renam Refres	• ⊌ •	T			
٦	Help	<	J			





Configure settings in each tab.

 Configure settings on the [FTP Site], the [Security Accounts], and the [Home Directory] tabs as follows.

Default FTP Si	ite Propertie	5		2 🛛
FTP Site Seco	uity Accounts	Messages H	Iome Director	7
dentification				
Description	Default	FTP Site		
IP Address	(All Una	ssigned)		¥
TCP Port	21			
Connection				
O Unlimite				
 Limited 	fo:	10	connections	
Connection	Timeout:	900	seconds	
Enable I	.ogging			
Active log	; format:			
W3C Ex	tended Log File	Format	*	Properties
				Current Sessions
				Current Sessions
		ок	Cancel	Apply Help

[FTP Site]

Usually it is already set like this, so you do not need to change it.

Default FTP Sit	e Properties	? 🛿
FTP Site Secu	ity Accounts Messages Home Directory	
	rymous Connections Vindows User Account to use for anonymous access to this r	esource
Usemane:	IUSR_CANDN Brows	e
Password:	******	
	Allow only anonymous connections	
FTP Site Ope	-	
	tor privileges to Windows User Accounts for this FTP site on	
Operators:	Administrators Add Remo	
	DK Cancel Apply	Help

meeting to this resource, the content should come from a directory located on this computer a share located on another computer

Browse...

OK Cancel Apply Help

It FTP Site Properties Site Seculy Accounts Messages Home Directory

Local Path:

O UNIX ®

C'VEOS

[Security Accounts]

You do not need to change it.

Important!

Never change the [Username]. ([Username] in the left window is an example.) The characters following "IUSR_" indicate the computer's name, so they will differ depending on your computer.

[Home Directory]

Assign a folder to transfer images to in the **[Local Path]** of the **[FTP Site Directory]**. Create an **[EOS]** folder immediately under the C drive.

Enter [C:\EOS] in [Local Path], and check [□Read], [□Write], and [□Log visits].

• Click the [OK] button and close the screen to finish FTP site settings.

Setting Up the Wireless LAN Access Point

This section explains the minimal setup required to transfer images using a wireless LAN access point with infrastructure mode. For detailed installation and setup procedures for a wireless LAN access point, please read the instruction manual for the wireless LAN access point or contact the manufacturer of the wireless LAN access point.

Terms used in this section may differ depending on the manufacturer of the wireless LAN access point.

The high-speed transfer mode developed by the manufacturer may destabilize communication, so it is recommended not to use it.

Selecting a Wireless LAN Standard

Operating mode, wireless mode, 802.11 mode, and other modes fall under this category. Select **"802.11b"**, **"802.11g"**, or **"Automatic."**

Setting the SSID

It is also known as the "ESSID." Enter a series of alphanumeric characters (up to 36 characters). If a string is already entered, you do not need to change it. Enter the same SSID in the WFT-E1.

Setting Security

Encryption and other items fall under this category. Set up "**WEP**" as the minimum security.

Enter the encryption key set for WEP in the WFT-E1.

- If authentication can be selected, set it to "Open."
- When using WPA-PSK authentication, use the TKIP encryption method. The WFT-E1 does not accommodate the AES encryption method.

Setting the IP Address

For a wireless LAN access point with a DHCP server function, it is recommended to disable the DHCP server function and fix the IP addresses allocated to the wireless LAN access point and the FTP server as follows.

If the DHCP server function is enabled, the IP address allocated to the FTP server will change automatically so the WFT-E1 may not connect to the FTP server.

Enter the IP addresses for the wireless LAN access point and the FTP server and subnet mask as follows.

If they are already entered, do not change them, and write down the IP addresses configured in the wireless LAN access point and the FTP server, the subnet mask, and the range of IP addresses available. The information will be used when setting up the WFT-E1.

IP address

Wireless LAN access point :192.168.11.1FTP server:192.168.11.2

 Subnet mask 255.255.255.0

If other wireless LAN equipment is connected to the wireless LAN access point you set up in this section, change the settings as required. If you use the equipment without changing the settings, other wireless LAN equipment may not be able to connect to the wireless LAN access point.

Creating the WFT-E1 Settings File

Use the WFT-E1 Utility software included in the package to create the settings file to transfer images using infrastructure mode.

Start WFT-E1 Utility.exe and set up as follows. If the WFT-E1 Settings Wizard appears, click the [**Cancel**] button.

W

Setting Up TCP/IP

- If the wireless LAN access point, etc., is set to disable the DHCP server function in "Setting the IP Address" on the previous page, enter the IP address among the allocated IP address in a range that is not duplicated with the FTP server or other network equipment.
- Enter the subnet mask the same way as for the wireless LAN access point.
- If the wireless LAN access point, etc., is set to enable the DHCP server function in "Setting the IP Address" on the previous page, check [OObtain an IP address automatically].

B WFT-E1 Utility	
File(F) Edit(E) Help(H)	
D 🖻 层	
Settings list(L):	Register(G) Delete(D) Update(A)
TCP/IP settings	FTP settings Wireless LAN settings
 Obtain an IP address au Use the following IP address 	
IP address(I):	· · · · ·
Subnet mask(U):	
Gateway(W):	
Use DNS server(Y)	

Setting Up FTP

- For [**Server**] of [**Target server**], enter the IP address or server name for the FTP server as found through the "Command Prompt" as follows.
- For the [User], checkmark [OAnonymous login]. To login to the FTP server, enter anonymous for the Login name, and enter wft-e1@canon for the password.

🗟 WFT-E1 Utility 📃 🗖 🔀
File(F) Edit(E) Help(H)
D 🚔 🚽
Settings list(L): Register(G) Delete(D) Update(A) TCP/IP settings FTP settings Wireless LAN settings
Target server Server(S): 192.168.11.2
Port No.(P): 21 🛟 (1-65535)
Use passive mode(V)
Target folder(C): Browse(R)
✓ 0 verwrite same file(0)
User
Anonymous login(M)
O Use the following login info(U)
Login name(J): anonymous
Login password(W):

Checking the IP address of the FTP server using the Command Prompt

- The FTP server's [Start] button → Select [All Programs] → [Accessories] → [Command Prompt].
- Input ipconfig/all, and press the Enter key.
- "Wireless Network Connection" status appears. "Autoconfiguration IP Address" or "IP Address" is the IP address for the FTP server.

🛤 Command Prompt	- 🗆 ×
C:\Documents and Settings\canon>ipconfig/all	^
Windows IP Configuration	
Host Name	
Ethernet adapter Wireless Network Connection:	
Connection-specific DNS Suffix .: Description	
Physical Address Dhep Enabled	
IP Address	
Default Gateway	-

If the IP address is referred to as the "Autoconfiguration IP Address", the wireless LAN access point may automatically change the IP address of the FTP server after a set amount of time. In the wireless LAN access point settings, set the time to automatically allocate an IP address as long as possible. If they are successfully connected at first and then error No. 41 (cannot connect to the FTP server) appears later, check the IP address for the FTP server using the Command Prompt, and set the same IP address in the WFT-E1.

Setting Up a Wireless LAN

- Enter the [SSID] the same way as for the wireless LAN access point.
- If your personal computer is connected to a wireless LAN access point or wireless LAN adapter, click the [Search] button to search within the personal computer's wireless LAN environment for a wireless LAN terminal being used nearby. The terminal's SSID will then be displayed. When you select the displayed SSID, the SSID and connection method and channel will be set automatically to connect to the wireless LAN terminal.
- For [Conn. Method], set [Infrastructure].
- Set [Authentication] and [Encryption] the same way as the security settings for the wireless LAN access point.

🔁 WFT-E1 Utility	
File(F) Edit(E) Help(H)	
🖸 🚔 🔒	
Settings list(L):	
SSID(S):	Search(R)
Com. Method(0): Onfrastructure	C; 1 V
Authentication(U): Open System Shared Key WPA-PSK 	Choose the WLAN
Encryption(Y): ONone • WEP TKIP	WLAN list[L]: SSID Conn. Me
Key format(M): Character strings Hexadecimal number	
Key(K):	

Saving the Settings File

File(F)

THO(T)	
New Settings Wizard(N)	Ctrl+N
Open(0)	Ctrl+O
Save(S)	Ctrl+S
Exit(X)	

- Under the [File] menu, select [Save] to save the communication settings file to the memory card.
- Save the settings file to the root directory of the memory card without changing the file name.

Setting Up the WFT-E1

Please read Chapter 2 "Setting Up the WFT-E1" in the PDF manual on the WFT-E1/E1A Utility Disk included in the package.

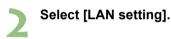
Conduct the series of preparations described on pages 16 through 24, and download the settings file to the camera.

Selecting the Settings File



Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.



	11	ŕ † 2	
LCD Brightness			
Date/Time	0	2/16/2	2004
Language	E	nglish	ו
Video system	N	TSC	
Firmware	V	er.	
Sensor cleaning			
Image transfer	(LAN) s	settin	gs

Image transfer	(LAN) settings
LAN setting	Set 1
Automatic transfe	r Disable
Image sel./transf	er
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	



Select a set number.

Select the set number where the settings file is downloaded for infrastructure mode.

LAN) settings
Set 1
Set 2
Set 3
Set 4
Set 5
Set up

Selecting the LAN Type

Select [LAN type].

Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.

	ft2
LCD Brightness	
Date/Time	02/16/2004
Language	English
Video system	NTSC
Firmware	Ver.
Sensor cleaning	
Image transfer (LAN)	settings

Image transfer	(LAN) settings
LAN setting	Set 1
Automatic transf	er Disable
Image sel./trans	fer
RAW+JPEG transfe	r JPEG only
LAN type	Ethernet
Power Saving	10 sec.
WFT firmware	Ver.
Error descriptio	n

Image transfer	(LAN) settings
LAN type	Wireless

Image transfer	(LAN) settings
LAN setting	Set 1
Automatic transf	er Disable
Image sel./trans [.]	fer
RAW+JPEG transfe	r JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	n MENU שלי

W

Select [Wireless].

Checking the Connection Status

Check the connection status with the wireless LAN access point. Connect the FTP server and the wireless LAN access point, and turn the power on. Connect the WFT-E1 and the camera, and turn the power on.

Check the connection when the WFT-E1 and the wireless LAN access point are close to each other — 3m/9.8ft or less.

Successful connection display



- The <3> lamp and the <4> lamp on the WFT-E1 will light up, and the LCD panel will show the link speed (Mbps) and .
- After the period of time passes with no activity as set in the [Power Saving] menu, the <4> lamp will turn off and the link speed and will also disappear from the LCD panel.

Failed connection display



- The LCD panel will show <E> and an error number. The and <3> lamps will also blink.
- See troubleshooting (p.103) to solve the problem.

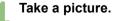
Transferring Images to the FTP Server

This section uses automatic transfer as an example to explain how to transfer images to the FTP server.

If a memory card is not installed in the camera, images cannot be transferred. Images will also be stored in the memory card, so insert a memory card with adequate available space.

	Select [Image transfer (LAN) settings]		1 ft2 🔍
	from the menu.		
- T		LCD Brightness	00/1//0004
	[Image transfer (LAN) settings] will not appear	Date/Time	02/16/2004
	unless the WFT-E1 is connected to the camera,	Language	English
	and both are turned on.	Video system Firmware	NTSC Ver.
		Sensor cleaning	ver.
		Image transfer (L	AN) cottinge
		Tillage transfer (L	AN) Settings
	Select [Automatic transfer].	Image transfer	(LAN) settings
		LAN setting	Set 1
		Automatic transfe	
		Image sel./transf	er
		RAW+JPEG transfer	
		LAN type	Wireless
		Power Saving	10 sec.
		WFT firmware	Ver.
		Error description]
	O ala at [En abla]		
~	Select [Enable].	Image transfer	(LAN) settings
		Automatic transfe	r Disable
			Enable
			LINADIE
		Tress trentfor	
		Image transfer	ILANI SETTINGS

Image transfer	(LAN) settings
LAN setting	Set l
Automatic transfe	r Enable
Image sel./transf	er
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	MENU 5



The <4> lamp will blink and captured image will be transferred to the FTP server.

Viewing Transferred Images on the FTP Server

Transferred images are saved in the folder on the FTP server that was created on page 18.





Double-click the [Local disk (C:)] icon in [Hard Disk Drives].





Double-click the [EOS] folder.





For the EOS-1D series, double-click the [A] folder.



• The [A] folder contains images saved in the CF card. If the images saved in the SD card have been transferred, a [B] folder is automatically created and images will be saved there.



Double-click the [DCIM] folder.

A A A A A A A A A A A A A A A A A A A	
File Edit View Favorites Tools Help	
😋 Back 🔹 🕥 - 🎓 🔎 Search 🍋 Folders 💷 -	
ddress 🛅 CijEOSJA	💌 🄁 Go
File and Folder Tasks 🔹	
Make a new folder	
Bublish this folder to the Web	
Share this folder	



Double-click the [***CANON], the [***EOS1D], or the [***EOS5D] folder.

Transferred image data will appear.

🖴 DCIM	
File Edit View Pavorites Tools Help	
🚱 Back 🔹 🕥 🕘 🏂 🔎 Search 🎼 Folders 🛄 🔹	
Address 🛅 C:(EOS)A)DCIM	💌 🔁 Go
File and Folder Tasks File and Folder Tasks File anew folder File and Folder to the Web Show this folder to the File and Folder Tasks File and Folder Tasks File and Folder Tasks	
and a state or is rober	🖻 100CANON 📃 🗆 🗙
Other Places 😵	File Edit View Favorites Tools Help 🧗
Details 8	🔇 Back • 🕥 - 🏂 🔎 Search 🌔 Folders 🔟 •
	Address 🛅 CriEOSIAIDCIMI,LODCANON 🕑 🔂 Go
	Table and Folder Tasks Image: Control of the control of
	Molecular Biological USE Molecular Molecular
	Other Places 😌
	Details () MG_4820 GMTY6635 GMTY6641 GMTY6642

MEMO

Windows



Transferring Images Using a Wireless LAN Ad Hoc Mode

Setting Up the FTP Server	32
Creating the WFT-E1 Settings File	39
Setting Up the WFT-E1	41
Checking the Connection Status	43
Transferring Images to the FTP Server	44
Viewing Transferred Images on the FTP Server	45

Ad Hoc Mode Overview

Images are directly transmitted to an FTP server equipped with a wireless LAN card or a wireless LAN adapter.



Install drivers for a wireless LAN card or a wireless LAN adapter on an FTP server.

W

Setting Up the FTP Server

Setting the IP Address



[Start] button → Select [Control Panel].





Double-click [Network Connections].

• In Windows 2000, double-click [Network and Dial-up Connections].





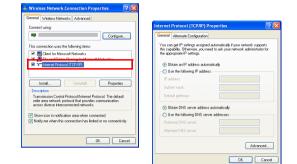
Right-click [Wireless Network Connection] and select [Properties].

[Wireless Network Connection Properties] will appear.

S Network Connections				
File Edit New Favorites Tools	Advanced Help	1		
🔇 Back + 🕥 · 🎓 🔎 s	Search 🍋 Folders 🛄 -			
Address 🔕 Network Connections	Address 💊 Network Connections 🥣 🌄 Go			
Network Tasks (8) Creste a new cornection Set up a home or small	Local Area 1394			
Ciffice network Change Windows Fileweil settings Wi Yew available wireless networks Disable this network device Anapair this connection	Endpointers			
Rename this connection Change settings of this connection Other Places	Properties			

4

Double-click [Internet Protocol (TCP/IP)]. [Internet Protocol (TCP/IP) Properties] will appear.





Enter the [IP address] and the [Subnet mask].

- Check [OUse the following IP address] and enter the following numbers for [IP address] and [Subnet mask].
- [IP address]: 192 168 11 2
- [Subnet mask]: 255 255 255 0

neral	
is capability. Otherwise, you nee	automatically if your network supports ad to ask your network administrator for
e appropriate IP settings.	
🔿 Obtain an IP address autom	
 Use the following IP address 	4
IP address:	192.168.11.2
Subnet mask:	255.255.255.0
Default gateway:	
Obtain DNS server address	automatically
Use the following DNS serve	er addresses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced

Important!

Set IP addresses for the FTP server and the WFT-E1 as follows. The following IP addresses are examples. Set appropriate IP addresses according to your environment.

FTP server	192 168 11 2
WFT-E1	192 168 11 3

• Click the [OK] button to return to the [Wireless Network Connection Properties] screen and proceed to SSID settings.

SSID Settings

If software that comes with a wireless LAN adapter is installed, the SSID settings explained below may not be achievable. In that case, disable or uninstall the software that comes with the wireless LAN adapter.

Double-click the [Wireless Networks] tab.

• Check [Use Windows to configure my wireless network settings].

eneral Wireless Networks Advanced	👍 Wireless Network Connection Properties 💦 👔	
Connect using:	General Wireless Networks Advanced	
Eonligure	Use Windows to configure my wireless network settings	
This connection uses the following items:	Available networks:	
Big Client for Microsoft Networks Big Read Printer Sharing for Microsoft Networks	To connect to, disconnect from, or find out more information about wireless networks in range, click the button below.	
Tremet Protocol (TCP/IP)	View Wireless Networks	
Install Uninstal Properties Description Teaminision Control Protocol/Intervet Protocol. The default	Prefered networks: Automatically connect to available networks in the order listed below. Move up	
vide area network protocol that provides communication across diverse interconnected networks.	Move down	
Notify me when this connection has limited or no connectivity	Add Remove Properties	
DK Cancel	Learn about setting up wireless network Advanced	



Click the [Advanced] button.

- The [Advanced] screen will appear.
- Check [OComputer-to-computer (ad hoc) networks only] and click the [Close] button.



ranced	
Vetworks to access	
Any available netw	kork (access point preferred)
🔿 Access point (infra	structure) networks only
Computer-to-comp	uter (ad hoc) networks only
Automatically conner	ct to non-preferred networks



Click the [Add] button.

• Click the [Add] button on the [Wireless Networks] tab. The [Wireless network properties] screen appears.



acciation Authent	ication Ci	onnection	
etwork name (SSIE))		
Wireless network I	(ey		
This network requ	ires a key fi	or the following:	
Network Authenti	cation	Open	~
Data encryption:		WEP	*
Network key:			
Confirm network k	ey.		
Key index (advanc	ed): 1		
The key is pro-	vided for me	e automatically	
		iter (ad hoc) networ	



Set the [Association] tab.

- Remove the check from [□The key is provided for me automatically], and set the tab as follows.
- If the settings are done, click the [OK] button to return to [Wireless Network Connection Properties].



Network name (SSID)	EOSD
Network Authentication	Open
Data encryption	WEP
Network key	canon
Confirm network key	canon

- Make sure that [EOSD (Automatic)] appears for [Preferred networks].
- Click the [OK] button to finish the SSID settings.



Setting Up the FTP Site



[Start] button → Select [Control Panel].





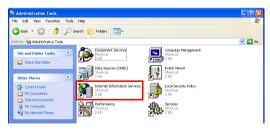
Double-click [Administrative Tools].





Double-click [Internet Information Services].

• In Windows 2000, double-click [Internet Service Manager].





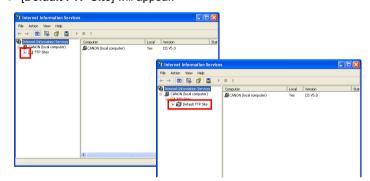
Click [+].

• "CANON ..." on the right of the [+] sign indicates the computer's name, so it will differ depending on the computer.





Click [+] on the left of [FTP Sites]. • [Default FTP Site] will appear.





Right-click [Default FTP Site], and select [Properties].

[Default FTP Site Properties] will appear.

🐮 Internet Information Services				
File Action View Help				
← → 🔳 🖫 🔮 💂 →	■ II			
🝓 Internet Information Services	Computer	Local	Version	Stal
GANON (local computer) E FTP Sites	BCANON (local computer)	Yes	IIS V5.0	
Default FTP Si Explore				
Open				
Browse	·			
Start				
Stop Parine				
New All Tasi	* * *			
Delete				
Renam				
Refres				
Propert	cies			
Help				
	<			>
Opens property sheet for the current sele	ection.			
				-





Configure settings in each tab.

 Configure settings on the [FTP Site], the [Security Accounts], and the [Home Directory] tabs as follows.

Default FTP Site Properties 🛛 🔹 🔀				
FTP Site Seco	uity Accounts	Messages H	Iome Director	7
dentification				
Description	Default	FTP Site		
IP Address	(All Una	ssigned)		¥
TCP Port	21			
Connection				
O Unlimite				
 Limited 	fo:	10	connections	
Connection	Timeout:	900	seconds	
Enable I	.ogging			
Active log	; format:			
W3C Extended Log File Format Properties				
Current Sessions				
				Current Sessions
		эк	Cancel	Apply Help

[FTP Site]

Usually it is already set like this, so you do not need to change it.

efault FTP S	ite Properties	?
FTP Site Sec	uity Accounts Messages Home Directory	
	orymous Connections Windows User Account to use for anonymous acc	ess to this resource
Usemane:	IUSR_CANDN	Вгомов
Password:	•••••	
	Allow only anonymous connections Allow IIS to control password	
FTP Site Op	erators	
Grant oper	ator privileges to Windows User Accounts for this F	TP site only.
Operators:	driministrators	Add
		Remove
	OK Cancel As	xply Help

Site Security Accounts Messages Home Directory

FTP Site Directory

O UNIX ®

✓ Read
✓ Write

Log visits

hen connecting to this resource, the content should come from a directory located on this computer a share located on another computer

Browse...

OK Cancel Apply Help

[Security Accounts]

You do not need to change it.

Important!

Never change the [Username]. ([Username] in the left window is an example.) The characters following "IUSR_" indicate the computer's name, so they will differ depending on your computer.

[Home Directory]

Assign a folder to transfer images to in the [Local Path] of the [FTP Site Directory]. Create an [EOS] folder immediately under the C drive. Enter [C:\EOS] in [Local Path], and check

 $[\Box Read]$, $[\Box Write]$, and $[\Box Log visits]$.

• Click the [OK] button and close the screen to finish FTP site settings.

Creating the WFT-E1 Settings File

Use the WFT-E1 Utility software included in the package to create the settings file to transfer images using ad hoc mode.

Start WFT-E1 Utility.exe and set up as follows. If the WFT-E1 Settings Wizard appears, click the [**Cancel**] button.

Setting Up TCP/IP

🗟 WFT-E1 Utility		
File(F) Edit(E) Help(H)		
D 🖻 🖥		
Settings list(L):	🖌 🖌 Register(G).	. Delete(D) Update(A)
TCP/IP settings	FTP settings	Wireless LAN settings
Obtain an IP address au	,, ,	-
 Use the following IP add 	ress(S)	
IP address(I):	192 . 168 . 11 . 3	
Subnet mask(U):	255 . 255 . 255 . 0	
Gateway(W):	0.0.0.0	
Use DNS server(Y)		

Setting Up FTP

🔓 WFT-E1	Utility			
File(F) Edit(E) Help(H)			
🖸 🖻 📘				
Settings list(L):		Re	gister(G)) Delete(D) Update(A)
TCF	P/IP settings		FTP settings	Wireless LAN settings
Target se		400.400.44		
Server	(5):	192.168.11	.2	
Port N	o.(P):	21 🔶	(1-65535)	
Use	e passive mode(V)		
Target	folder(C):			Browse(R)
		🗹 Overwrit	e same file(0)	
User				
💽 And	onymous login(M)			
O Use	e the following log	jin info(U)		
Log	jin name(J):	anonymous	:	
Log	jin password(W):			

 For the [User], checkmark [OAnonymous login]. To login to the FTP server, enter anonymous for the Login name, and enter wft-e1@canon for the password.

Setting	Up a	Wireless	S LAN
---------	------	----------	-------

훰 WFT-E1 Utility			
File(F) Edit(E) Help(H))		
Σ 🚔 🖶			
Settings list(L): TCP/IP settings	s FTP setting		
SSID(S):	EOSD	Search(R)	
	◯ Infrastructure ⊙ Ad hoc Channel(C): 1 v	
	Open System Shared Key		
	WPA-PSK	Choose the WLAN	\mathbf{X}
	<u></u>	WLAN list(L):	
Encryption(Y):	◯ None ● WEP	SSID	Conn. Me
(
Key format(M): (Character strings Hexadecimal number 		
Key(K):	canon		

- Enter [SSID], [Authentication], and [Encryption] the same way as for "SSID Settings" on page 34.
- If your personal computer is connected to a wireless LAN access point or wireless LAN adapter, click the [Search] button to search within the personal computer's wireless LAN environment for a wireless LAN terminal being used nearby. The terminal's SSID will then be displayed. When you select the displayed SSID, the SSID and connection method and channel will be set automatically to connect to the wireless LAN terminal.
- As for [Channel], it does not matter which channel if [Use Windows to configure my wireless network settings] is checked (p.34). If it is not checked, use the same channel number as set by the driver or utility that comes with the wireless LAN card or the wireless LAN adapter.

Saving the Settings File

File(F)		
New	Settings Wizard(N)	Ctrl+N
Oper	n(O)	Ctrl+O
Save	e(S)	Ctrl+S
E×it(X)	

- Under the [File] menu, select [Save] to save the communication settings file to the memory card.
- Save the settings file to the root directory of the memory card without changing the file name.

Setting Up the WFT-E1

Please read Chapter 2 "Setting Up the WFT-E1" in the PDF manual on the WFT-E1/E1A Utility Disk included in the package.

Conduct the series of preparations described on pages 16 through 24, and download the settings file to the camera.

Selecting the Settings File

Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera. and both are turned on.

Select [LAN setting].

Image transfer (L	AN) settings
LAN setting	Set 1
Automatic transfer	Disable
Image sel./transfer	
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	



Select Set No.

Select the Set No. in which the ad hoc settings file is loaded.

Image transfer	(LAN) settings
LAN setting	
	Set 2
	Set 3
	Set 4
	Set 5
	Set up

	'†1	ft 2	
LCD Brightness			
Date/Time		02/16/	2004
Language		Englis	h
Video system		NTSC	
Firmware		Ver.	
Sensor cleaning]		
Image transfer	(LAN)	settir	ngs



Selecting the LAN Type

Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.

	ft2
LCD Brightness	
Date/Time	02/16/2004
Language	English
Video system	NTSC
Firmware	Ver.
Sensor cleaning	
Image transfer (LAN)	settings

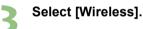
Image transfer	(LAN) settings
LAN setting	Set 2
Automatic transfe	er Disable
Image sel./transf	er
RAW+JPEG transfer	JPEG only
LAN type	Ethernet
Power Saving	10 sec.
WFT firmware	Ver.
Error description	1

Image transfer	(LAN) settings
I AN tupo	Wireless
LAN type	

Image transfer (LA	AN) settings
LAN setting	Set 2
Automatic transfer	Disable
Image sel./transfer	
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	MENU 5



Select [LAN type].



Checking the Connection Status

Check the connection status to the wireless LAN card or the wireless LAN adapter. Connect the wireless LAN card or the wireless LAN adapter to the FTP server, and turn the power on. Connect the WFT-E1 and the camera, and turn the power on.

Check the connection when the WFT-E1 and the wireless LAN card or the wireless LAN adapter are close to each other — 3m/9.8ft or less.

Successful connection display



- The <3> lamp and the <4> lamp on the WFT-E1 will light up, and the LCD panel will show the link speed (Mbps) and .
- After the period of time passes with no activity as set in the [Power Saving] menu, the <4> lamp will turn off and the link speed and will also disappear from the LCD panel.

Failed connection display



- The LCD panel will show <E> and an error number. The and <3> lamps will also blink.
- See troubleshooting (p.103) to solve the problem.

W

Transferring Images to the FTP Server

This section uses automatic transfer as an example to explain how to transfer images to the FTP server.

If a memory card is not installed in the camera, images cannot be transferred. Images will also be stored in the memory card, so insert a memory card with adequate available space.

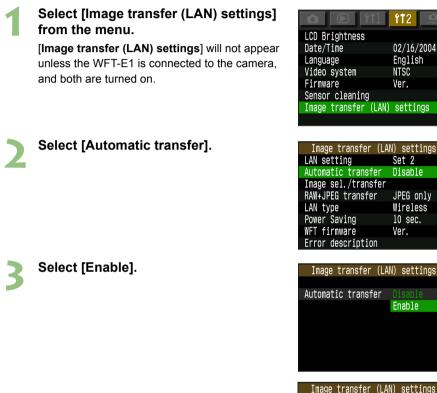


Image transfer (LA	N) settings
LAN setting	Set 2
Automatic transfer	Enable
Image sel./transfer	
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	MENU 5

ft2

02/16/2004

English

NTSC

Ver.

Set 2

Disable

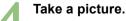
JPEG only

Wireless

10 sec.

Ver.

Enable



▶ The <4> lamp will blink and captured image will be transferred to the FTP server.

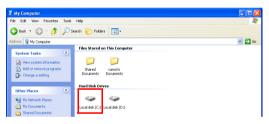
Viewing Transferred Images on the FTP Server

Transferred images are saved in the folder on the FTP server that was created on page 38.





Double-click the [Local disk (C:)] icon in [Hard Disk Drives].





Double-click the [EOS] folder.





• The [A] folder contains images saved in the CF card. If the images saved in the SD card have been transferred, a [B] folder is automatically created and images will be saved there.



Double-click the [DCIM] folder.





Double-click the [***CANON], the [***EOS1D], or the [***EOS5D] folder.

Transferred image data will appear.

🖴 DCIM	
File Edit View Pavorites Tools Help	N
🚱 Back 🔹 🕥 🕛 🏂 🔎 Search 🜔 Folders 🛄 •	
Address 🛅 C:(EOS)(A)(DCIM	💌 🔁 Go
File and Folder Tasks (2)	
Share this folder	🖻 100CANON 📃 🗆 🔀
Other Places 😵	File Edit Wew Favorites Tools Help 🧗
Details 8	🚱 Back * 🕤 · 🏂 🔎 Search 🜔 Folders 💷 •
Decons Construction	Address 🗁 CriEOSIAIDCIMI,100CANON 💌 🛃 Go
	Pic and rader Tasks. O O O O O ✓ Male anewridder Male anewridder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder
	Other Places Image: Control of the place of

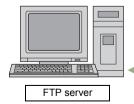
Windows

Transferring Images Using a Wired LAN

Setting Up the FTP Server	48
Creating the WFT-E1 Settings File	53
Setting Up the WFT-E1	55
Checking the Connection Status	57
Transferring Images to the FTP Server	58
Viewing Transferred Images on the FTP Server	59

Wired LAN Overview

Connect the WFT-E1 to the FTP server with a LAN cable to transfer images.





When connecting the WFT-E1 directly to the FTP server, make sure to use a cross cable. If a straight cable is used, error No. 81 will be displayed and you will not be able to transfer images. When using a straight cable, connect the FTP server and the WFT-E1 via a hub or a router.

Λ

Setting Up the FTP Server

Setting the IP Address



2

Double-click [Network Connections].

In Windows 2000, double-click [Network and Dial-up Connections].





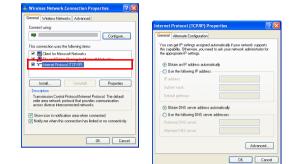
Right-click [Local Area Connection] and select [Properties].

[Local Area Connection Properties] will appear.



4

Double-click [Internet Protocol (TCP/IP)]. [Internet Protocol (TCP/IP) Properties] will appear.





Enter the [IP address] and the [Subnet mask].

- Check [OUse the following IP address] and enter the following numbers for [IP address] and [Subnet mask].
- [IP address]: 192 168 11 2
- [Subnet mask]: 255 255 255 0

	d automatically if your network supports sed to ask your network administrator for
Obtain an IP address autor Use the following IP address	
IP address:	192.168.11.2
Subnet mask:	255.255.255.0
Default gateway:	
Obtain DNS server address	s automatically
	ver addresses:
Use the following DNS service	ver addresses:
 Use the following DNS server: Preferred DNS server: Alternate DNS server: 	ver addresses:
Use the following DNS server: Preferred DNS server:	ver addresses:

Important!

Set IP addresses for the FTP server and the WFT-E1 as follows. The following IP addresses are examples. Set appropriate IP addresses according to your environment.

FTP server	192 168 11 2
WFT-E1	192 168 11 3

• Click the [OK] button to finish IP address settings.

Setting Up the FTP Site





Double-click [Administrative Tools].

Control Panel								I
File Edit View Favorites T	ools Help							1
🔾 Back 🔹 🕥 🕆 🏂 🏅	🔵 Search 🛛 🌔 Fol	ders 🔝 -						
iddress 📴 Control Panel							💌 🄁	Go
Control Panel	J 🕹	Ń	6	-	٠	P	8	
🚱 Switch to Category View	Accessibility Options	Add Hardware	Add or Remov	Administrative Tools	Automatic Updates	Date and Time	Display	
See Also		1	ŝ	9		Ċ		
🍓 Windows Update	Folder Options	Fonts	Game Controllers	Internet Options	Keyboard	Mouse	Network Connections	
 Help and Support 	1	2	-	4	9	3	19	
	Network Setup Wizard	Phone and Modem	Power Options	Printers and Faxes	Regional and Language	Scanners and Cameras	Scheduled Tasks	
	۲	O,	2	3		92	6	
	Security Center	Sounds and Audio Devices	Speech	System	Taskbar and Start Menu	User Accounts	Windows Firewall	
	2							
	Wireless Link	Wireless Network Set						



Double-click [Internet Information Services].

In Windows 2000, double-click [Internet Service Manager].





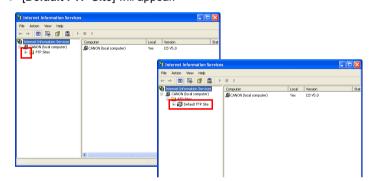
Click [+].

• "CANON ..." on the right of the [+] sign indicates the computer's name, so it will differ depending on the computer.





Click [+] on the left of [FTP Sites]. • [Default FTP Site] will appear.





Right-click [Default FTP Site], and select [Properties]. [Default FTP Site Properties] will appear.

 Internet Information Services
 Image: Comparison of the service of





Configure settings in each tab.

 Configure settings on the [FTP Site], the [Security Accounts], and the [Home Directory] tabs as follows.

Default FTP Si	ite Propertie	5		2 🛛
FTP Site Seco	uity Accounts	Messages H	Iome Director	7
dentification				
Description	Default	FTP Site		
IP Address	(All Una	ssigned)		¥
TCP Port	21			
Connection				
O Unlimite				
 Limited 	fo:	10	connections	
Connection	Timeout:	900	seconds	
Enable I	.ogging			
Active log	; format:			
W3C Ex	tended Log File	Format	*	Properties
				Current Sessions
				Current Sessions
		эк	Cancel	Apply Help

[FTP Site]

Usually it is already set like this, so you do not need to change it.

Default FTP Sit	e Properties	? 🛛
FTP Site Secu	ity Accounts Messages Home Directory	
-	rymous Connections Vindows User Account to use for anonymous access to I	his resource
Usemane:	IUSR_CANON BI	04/08
Password:	******	
	Allow only anonymous connections	
FTP Site Ope	rators	
Grant opera	tor privileges to Windows User Accounts for this FTP site	only.
Operators:		Add emove
	DK Cancel Apply	Help

TTP Site Security Accounts Messages Home Directory

FTP Site Directory

O UNIX ®

✓ Read
✓ Write

Log visits

hen connecting to this resource, the content should come from a directory located on this computer a share located on another computer

Browse...

OK Cancel Apply Help

[Security Accounts]

You do not need to change it.

Important!

Never change the [Username]. ([Username] in the left window is an example.) The characters following "IUSR_" indicate the computer's name, so they will differ depending on your computer.

[Home Directory]

Assign a folder to transfer images to in the [Local Path] of the [FTP Site Directory]. Create an [EOS] folder immediately under the C drive. Enter [C:\EOS] in [Local Path], and check

 $[\Box Read]$, $[\Box Write]$, and $[\Box Log visits]$.

• Click the [OK] button and close the screen to finish FTP site settings.

Creating the WFT-E1 Settings File

Use the WFT-E1 Utility software included in the package to create the settings file to transfer images using a wired LAN.

Start WFT-E1 Utility.exe and set up as follows. If the WFT-E1 Settings Wizard appears, click the [**Cancel**] button.

Setting Up TCP/IP

🗟 WFT-E1 Utility		
File(F) Edit(E) Help(H)		
Σ 🚔 📕		
Settings list(L):	Registe	r(G) Delete(D) Update(A)
TCP/IP settings	FTP settings	Wireless LAN settings
Obtain an IP address au		
 Use the following IP add 	ress(S)	
IP address(I):	192 . 168 . 11 .	3
Subnet mask(U):	255 . 255 . 255 .	0
Gateway(W):	0.0.0.	0
Use DNS server(Y)		

Setting Up FTP

🔓 WFT-E1 Utility		
File(F) Edit(E) Help	h)	
🖸 🚔 🖬		
Settings list(L):		date(A)
TCP/IP setti	gs FTP settings Wireless LAN setting	gs
Target server		
Server(S):	192.168.11.2	
Port No.(P):	21 🛟 (1-65535)	
Use passive	node(V)	
Target folder(C)	Browse(F	ł)
	✓ Overwrite same file(O)	
User		
Anonymous	ogin(M)	
O Use the follo	ving login info(U)	
Login name(: anonymous	
Login passw	rd(\v/):	

 For the [User], checkmark [OAnonymous login]. To login to the FTP server, enter anonymous for the Login name, and enter wft-e1@canon for the password.

Setting Up a Wireless LAN

Settings are not necessary.

Saving the Settings File

File(F)	
New Settings Wizard(N)	Ctrl+N
Open(0)	Ctrl+O
Save(S)	Ctrl+S
Exit(X)	

- Under the [File] menu, select [Save] to save the communication settings file to the memory card.
- Save the settings file to the root directory of the memory card without changing the file name.

Please read Chapter 2 "Setting Up the WFT-E1" in the PDF manual on the WFT-E1/E1A Utility Disk included in the package.

Conduct the series of preparations described on pages 16 through 24, and download the settings file to the camera.

Selecting the Settings File

Select [LAN setting].

Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.

Image transfer	(LAN) settings
LAN setting	Set 2
Automatic transf	er Disable
Image sel./trans [.]	
RAW+JPEG transfe	r JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	า

Select Set No.

Select the Set No. in which the wired LAN settings file is loaded.

Image transfer	(LAN) settings
LAN setting	Set l
	Set 3
	Set 4
	Set 5
	Set up







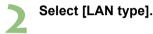


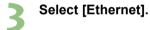
Selecting the LAN Type



Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.





	11 f1 2 .	
LCD Brightness		
Date/Time	02/16/200)4
Language	English	
Video system	NTSC	
Firmware	Ver.	
Sensor cleaning		
Image transfer	(LAN) settings	

Image transfer	(LAN) settings
LAN setting	Set 3
Automatic transf	er Disable
Image sel./trans [.]	fer
RAW+JPEG transfe	r JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	า

Image transfer	(LAN) settings
LAN type	Wireless
	Ethernet
Image transfer	(LAN) settings

Image transfer (LAN) settings
LAN setting	Set 3
Automatic transfer	Disable
Image sel./transfe	er
RAW+JPEG transfer	JPEG only
LAN type	Ethernet
Power Saving	10 sec.
WFT firmware	Ver.
Error description	MENU 5

Checking the Connection Status

Check the connection status to the FTP server.

If you connect the WFT-E1 directly to the FTP server, make sure to use a cross cable. If a straight cable is used, error No. 81 is displayed and you cannot transfer images.

When using a straight cable, connect the FTP server and the WFT-E1 via a hub or a router.

Connect the FTP server and the WFT-E1, and turn the power on.

Successful connection display



- The <3> lamp and the <4> lamp on the WFT-E1 will light up, and the LCD panel will show the <C>.
- After the period of time passes with no activity as set in the [Power Saving] menu, the <4> lamp will turn off and the <C> will also disappear from the LCD panel.

Failed connection display



- The LCD panel will show <E> and an error number. The <C> and <3> lamps will also blink.
- See troubleshooting (p.103) to solve the problem.

Wired LAN

Transferring Images to the FTP Server

This section uses automatic transfer as an example to explain how to transfer images to the FTP server.

If a memory card is not installed in the camera, images cannot be transferred. Images will also be stored in the memory card, so insert a memory card with adequate available space.

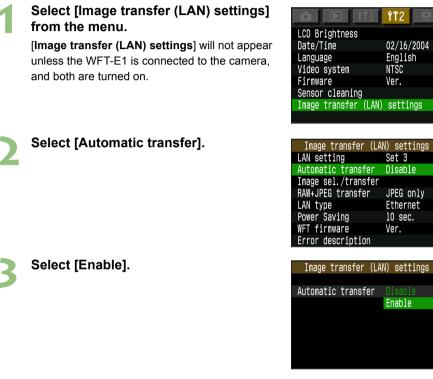
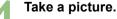


Image transfer ((LAN) settings
LAN setting	Set 3
Automatic transfe	r Enable
Image sel./transfe	er
RAW+JPEG transfer	JPEG only
LAN type	Ethernet
Power Saving	10 sec.
WFT firmware	Ver.
Error description	MENU 5



The <4> lamp will blink and captured image will be transferred to the FTP server.

Viewing Transferred Images on the FTP Server

Transferred images are saved in the folder on the FTP server that was created on page 52.





Double-click the [Local disk (C:)] icon in [Hard Disk Drives].

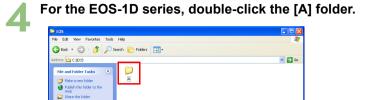




Double-click the [EOS] folder.



4 Wired LAN



• The [A] folder contains images saved in the CF card. If the images saved in the SD card have been transferred, a [B] folder is automatically created and images will be saved there.



Double-click the [DCIM] folder.





Double-click the [***CANON], the [***EOS1D], or the [***EOS5D] folder.

Transferred image data will appear.

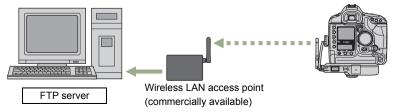
🖴 DCIM	
File Edit View Pavorites Tools Help	N
🚱 Back 🔹 🕥 🕛 🏂 🔎 Search 🜔 Folders 🛄 •	
Address 🛅 C:(EOS)(A)(DCIM	💌 🔁 Go
File and Folder Tasks (2)	
Share this folder	🖻 100CANON 📃 🗆 🔀
Other Places 😵	File Edit Wew Favorites Tools Help 🧗
Details 8	🚱 Back * 🕤 · 🏂 🔎 Search 🜔 Folders 💷 •
Decons Construction	Address 🗁 CriEOSIAIDCIMI,100CANON 💌 🛃 Go
	Pic and rader Tasks. O O O O O ✓ Male anewridder Male anewridder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder Ø State the fidder
	Other Places Image: Control of the place of

Transferring Images Using a Wireless LAN Infrastructure Mode

Setting Up the Computer to Operate as an FTP Server	62
Setting Up the AirPort	63
Setting Up the Network	66
Creating the WFT-E1 Settings File	69
Setting Up the WFT-E1	71
Checking the Connection Status	73
Transferring Images to the FTP Server	74
Viewing Transferred Images on the FTP Server	75

Infrastructure Mode Overview

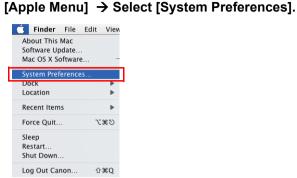
Images are transmitted to an FTP server via a wireless LAN access point.



Connect a wireless LAN access point to an FTP server using a LAN cable, wireless LAN card or wireless LAN adapter.

1

Setting Up the Computer to Operate as an FTP Server

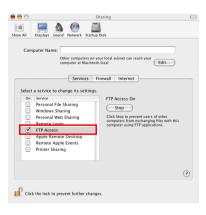


The [System Preferences] screen will appear. Click [Sharing].



-

Click the [Services] tab, and check [DFTP Access].



Setting Up the AirPort

1

Open [Finder] to display [Applications].

000	Applicatio	ons	
		Q-local disks	
Network	Name	Date Modified	Size Kin
Network	Utilities	Oct 29, 2003, 7:12 AM	F
Macintosh HD	Tony Hawk's Pro Skater 4	Dec 3, 2003, 10:40 AM	F
Macintosinno	🞯 TextEdit	Mar 6, 2004, 10:54 AM	A
EOS_DIGITAL 📥	System Preferences	Mar 6, 2004, 11:04 AM	A
	🧐 Stickies	Mar 6, 2004, 10:54 AM	A
Desktop	A Sherlock	Mar 6, 2004, 11:14 AM	A
Desktop	i Safari	Dec 6, 2003, 5:00 AM	A
Canon	QuickTime Player	Mar 6, 2004, 10:58 AM	A
	😣 Preview	Mar 6, 2004, 11:01 AM	A
Applications	😹 Mail	Aug 15, 2003, 4:00 AM	A
	4 iTunes	Apr 6, 2004, 1:06 PM	A
Documents	iSync	Jan 30, 2004, 5:00 AM	A
	- :nk - + -	A C 2004 1-10 BH	



Open the [Utilities] folder and double-click [AirPort Admin Utility].

000	🖂 Applicatio	ns	0
	-#-	Q-local disks	
Network	Name	Tate Modified	Size
	Bluetooth Serial Utility	Mar 6, 2004, 11:14 AM	0
Macintosh HD	🕹 Bluetooth File Exchange	Dec 17, 2003, 6:08 AM	
	Audio MIDI Setup	Mar 6, 2004, 10:53 AM	
EOS_DIGITAL ▲	Asia Text Extras	Mar 6, 2004, 11:07 AM	
	AirPort Setup Assistant	Sep 6, 2005, 1:51 PM	
E Desktop	AirPort Admin Utility	Sep 6, 2005, 1:51 PM	0
(F=====)	Activity Monitor	Mar 6, 2004, 10:54 AM	11
Canon	Tony Hawk's Pro Skater 4	Dec 3, 2003, 10:40 AM	
Applications	🗇 TextEdit	Mar 6, 2004, 10:54 AM	
Applications	System Preferences	Mar 6, 2004, 11:04 AM	
Documents	🛜 Stickies	Mar 6, 2004, 10:54 AM	U
	💐 Sherlock	Mar 6, 2004, 11:14 AM	

The [Select Base Station] screen will appear.

Double-click the item in the [Name] section.

A password entry screen will appear.

00	0		Select Bas	se Station	
٢	Ō	ES.	€°		
Other	Rescan	Configure	Multiple		
Name			IP Address		Enter the password for the selected base station:
Base St	ation		10.0.1.1		Password:
					Add to Keychain
				Name: Base Ethernet (W	Cancel OK
				Ethernet (LA	NY. 00.00.35.25.05.1a

- Enter the password for the base station and click the [OK] button.
- The base-station settings screen will appear.
- If an error message appears and settings cannot be loaded, go to
 [Applications] then [Utilities] to start [AirPort Setup Assistant] to configure
 subsequent settings.

Infrastructure Mode

Click the [Show All Settings] button.

• Configure settings on the [AirPort] and the [Internet] tabs.

Setting Up the [AirPort] Tab

- Configure settings on the [AirPort] tab as follows.
- Enter [EOSD] for [Name] for [Base Station] and [AirPort Network].

000	EOSD	\bigcirc
C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2	ord	
Click the buttons below to set up or make changes to your AirPort Base Station.	AirPort Internet Network Port Mapping Access Control WDS Information in this section is used to identify the base station and configure the wireless network published by the base station.	
To configure or change advanced settings, click Show All Settings.	Base StationName: EOSD	_
	Contact: Location:	
Show Summary	Change password WAN Privacy AirPort Network	
Name and Password	Name: EOSD	
Internet Connection	Wireless Security: 40 bit WEP (Change Wireless Security) Channel: Automatic	
Show All Settings	Mode: 802.11b/g Compatible	
?	Revert Update	

• Click the [Change password] button, enter "canon" in both textboxes, and click the [OK] button.

New password:		
Verify:	•••••	
	Cancel OK	

• Click the [Change Wireless Security] button, select [40 bit WEP], enter "canon" in both textboxes, and click the [OK] button.

Wireless Security:	40 bit WEP
Network Password:	•••••
Verify Password:	
(?)	Cancel OK

Setting Up the [Network] Tab

- Check [Distribute IP addresses] and [OShare a single IP address (using DHCP and NAT)] in the [Network] tab.
- Then, select [Other] from the pull-down menu.

0 🖯 🖯	Base Station
C 👌 🤮 🛱 Restart Upload Default Pass	and a second sec
Click the buttons below to set up or make changes to your AirPort Base Station.	AirPort Internet Network Port Mapping Access Control WDS Settings in this section determine how this base station's Internet connection is shared with computers connected to its AirPort network.
To configure or change advanced settings, click Show All Settings.	 Distribute IP addresses AirPort client computers: Share a single IP address (using DHCP and NAT) Use 10.0.1.1 addressing Use 12.16.1.1 addressing sing only DHCP)
Show Summary	Other DHCP lease: 4 Hours : Criding: 10.0.1.200 Message:
Name and Password	Enable PPP Dial-in Configure Enable AOL parental controls
Internet Connection	NAT and DHCP will be used to share a single IP address. Client computers on the network should configure TCP/IP to obtain an IP address using a DHCP server. The base station will act as a bridge between the Airbort and Incel Thermer network.

• Configure settings as follows, and click the [OK] button.

may us addres	are adding se this pane s and the r	el to custo	mize th	e third	byte o	f the I	P
range.							
	First ad	dress:	192.1	58.	;	11	.1
	Poo	l size:	200				
serve a	rPort base : a range of a 58.11.200.						/ill
			C	Cancel	D	0	K)

 If the settings are done, click the [Update] button on the bottom right of the screen.

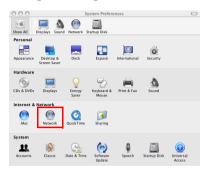
	between the AirPort and local Ethernet network.	
Show All Settings		-
?	Revert Update	

The update execution screen will appear, and if completed, the base-station settings screen will disappear. M

Setting Up the Network



Click [Network].



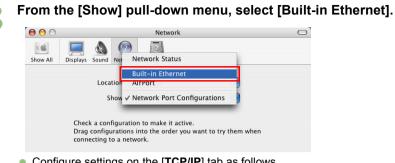


From the [Show] pull-down menu, select [Network Port Configurations].

00				Network		\bigcirc
ia 🛋		۵		?		
Show All	Displays S	ound	Network	Startup Disk		
		Locat	_	utomatic etwork Status	•	
		31		uilt-in Ethernet		
	Built-in Ethe	rnet	_	irPort	IP address t via Built-in	
			N	etwork Port Configurations		18
0	AirPort		AirPo	rt is turned on but is not connected to a	network.	

• Check [Built-in Ethernet], and click [Apply Now].

On Port Configurations Suilt-in Ethernet AirPort	New Edit Delete Duplicate
	(?)
Click the lock to prevent further changes.	Assist me Apply Now



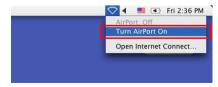
Configure settings on the [TCP/IP] tab as follows.

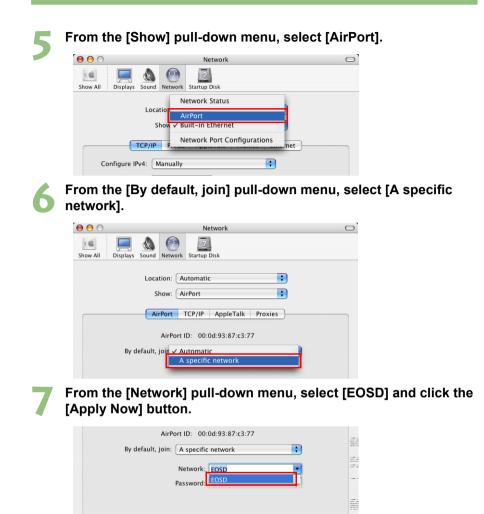
	TCP/	IP PPPoE Appl	eTalk Proxie	es Ethernet	
Con	nfigure IPv4:	Manually		\$	
	IP Address:	192.168.11.2]		
Su	ubnet Mask:	255.255.255.0]		
	Router:				
C	ONS Servers:				
Searc	h Domains:				(Optional)
IP	v6 Address:				
		Configure IPv6)		?
Click	the lock to p	revent further change	s. A	ssist me)	Apply Now

- If the settings are done, click the [Apply Now] button.
- Do not close the [Network] window yet.

Set [Turn AirPort On].

Click the [AirPort] icon, and select [Turn AirPort On].





Allow this computer to create networks
 Show AirPort status in menu bar

Assist me...

Click the lock to prevent further changes.

?

Apply Now

Creating the WFT-E1 Settings File

Use the WFT-E1 Utility software included in the package to create the settings file to transfer images using infrastructure mode.

Start the WFT-E1 Utility and set up as follows. If the WFT-E1 Settings Wizard appears, click the [**Cancel**] button.

Setting U	p TCP/I	2				
000)	🕵 WFT-	E1 Utili	τ γ		
New Setti	> for the second	Save				
Settings	list :TCP/IP set	ttings FTP set		Register) Wireless LAN sett	Delete Update	
	Obtain an IP address au					
	Jse the following IP add P address :	192 168	11	3		
	iubnet mask : Gateway :	255 255	255			
Setting U	p FTP					
000)	🕵 WFT-	E1 Utili	τy		
New Setti	ngs Wizard Open	Save				
Settings	list :		*	Register)	Delete Update	
	TCP/IP set	ttings FTP set	tings	Wireless LAN sett	ings	
	get server erver :	192.168.11.2				
P	ort No. : Use passive mode	21		(1-65535)		
T.	arget folder :				Browse)	
Use		Overwrite sa	ne file			
	Anonymous login Use the following l	login info				
	Login name :					
	Login password :					

Enter [Login name] and [Login password] the same way as for the [Name] and [Password] that appear when you select [Apple Menu] → [System Preferences] → [Accounts]. Without these settings, you cannot connect to the FTP server.

M

Setting Up a Wireless LAN

New Settings Wizard	Open Save	
Settings list :	TCP/IP settings FTP settings	Register) Delete Update
SSID : Conn. Method :	EOSD Infrastructure 	Search
Authentication :	Ad hoc Chann Open System Shared Key	
	O WPA-PSK	WLAN list : OK
Encryption :	None WEP TKIP	SSID Conn. Method Canc
	0	

- If your personal computer is connected to a wireless LAN access point or wireless LAN adapter, click the [Search] button to search within the personal computer's wireless LAN environment for a wireless LAN terminal being used nearby. The terminal's SSID will then be displayed. When you select the displayed SSID, the SSID and connection method and channel will be set automatically to connect to the wireless LAN terminal.
- In infrastructure mode, you cannot connect if the authentication method is set to [Open System]. Set it to [Shared Key] or [WPA-PSK].
- If you set [Wireless Security] to [40 bit WEP] on page 64, set [Encryption] to [WEP] (the same for 128-bit WEP). If you set "canon" as the [Network Password], check [OCharacter strings] in [Key format], and enter "canon" for [Key].

Saving the Settings File

000		🛸 WFT-E1 Utility	
New Settings Wizard	Open	Save Save	

- Click the [Save] button to save the settings file to a memory card.
- Save the settings file to the root directory of the memory card without changing the file name.

Please read Chapter 2 "Setting Up the WFT-E1" in the PDF manual on the WFT-E1/E1A Utility Disk included in the package.

Conduct the series of preparations described on pages 16 through 24, and download the settings file to the camera.

Selecting the Settings File

Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.

> Image transfer (LAN) settings LAN setting Set 1 Automatic transfer Disable

LCD Brightness Date/Time

Video system

Sensor cleaning

Language

Firmware

LAN setting	Set 1
Automatic transfer	Disable
Image sel./transfer	
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Frror description	

Image transfer (LAN) settings

f12

02/16/2004

English

NTSC

Ver.

-		_		
			D	
1			5	ċ
_	2)
	-			

Select a set number.

Select [LAN setting].

Select the set number where the settings file is downloaded for infrastructure mode.

Image transfer	(LAN) settings
LAN setting	Set 1
	Set 2
	Set 3
	Set 4
	Set 5
	Set up

Infrastructure Mode

Selecting the LAN Type

Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.

	ft2
LCD Brightness	
Date/Time	02/16/2004
Language	English
Video system	NTSC
Firmware	Ver.
Sensor cleaning	
Image transfer (LAN)	settings

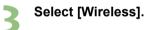
Image transfer	(LAN) settings
LAN setting	Set 1
Automatic transfe	er Disable
Image sel./trans	
RAW+JPEG transfe	r JPEG only
LAN type	Ethernet
Power Saving	10 sec.
WFT firmware	Ver.
Error description	ו

Image transfer	(LAN) settings
I AN tupo	Wireless
LAN type	

Image transfer	(LAN) settings
LAN setting	Set l
Automatic transfe	
Image sel./transf	
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	tenu 🖒



Select [LAN type].



Checking the Connection Status

Check the connection status with the wireless LAN access point. Connect the FTP server and the wireless LAN access point, and turn the power on. Connect the WFT-E1 and the camera, and turn the power on.

Check the connection when the WFT-E1 and the wireless LAN access point are close to each other — 3m/9.8ft or less.

Successful connection display



- The <3> lamp and the <4> lamp on the WFT-E1 will light up, and the LCD panel will show the link speed (Mbps) and .
- After the period of time passes with no activity as set in the [Power Saving] menu, the <4> lamp will turn off and the link speed and will also disappear from the LCD panel.

Failed connection display



- The LCD panel will show <E> and an error number. The and <3> lamps will also blink.
- See troubleshooting (p.103) to solve the problem.

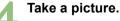
Transferring Images to the FTP Server

This section uses automatic transfer as an example to explain how to transfer images to the FTP server.

If a memory card is not installed in the camera, images cannot be transferred. Images will also be stored in the memory card, so insert a memory card with adequate available space.

1	Select [Image transfer (LAN) settings] from the menu. [Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.	LCD Brightness Date/Time Language Video system Firmware Sensor cleaning	02/16/2004 English NTSC Ver.
		Image transfer (LAN) settings
5	Select [Automatic transfer].	Image transfer (LA	
4		LAN setting Automatic transfer	Set l Disable
		Image sel./transfer	
		RAW+JPEG transfer	JPEG only
		LAN type	Wireless
		Power Saving	10 sec.
		WFT firmware	Ver.
		Error description	
2	Select [Enable].	Image transfer (LA	AN) settings
2		Automatic transfer	Disable
			Enable

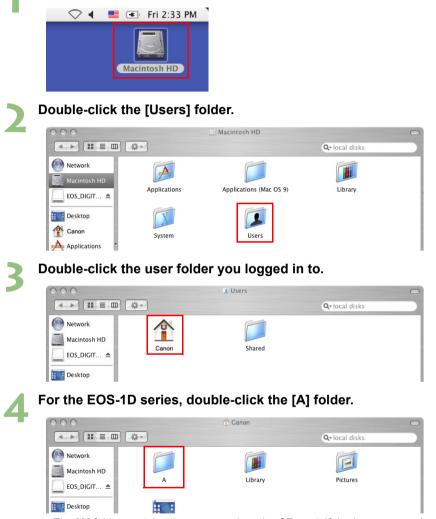
Image transfer (LA	N) settings
LAN setting	Set l
Automatic transfer	Enable
Image sel./transfer	
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	MENU 5



▶ The <4> lamp will blink and captured image will be transferred to the FTP server.

Viewing Transferred Images on the FTP Server

Double-click [Macintosh HD].



 The [A] folder contains images saved on the CF card. If the images saved on the SD card have been transferred, a [B] folder is automatically created and images will be saved there.

5	Double-click the [DCIM]	folder.	
	000	A	0
		9	local disks
	Wetwork Image: Macintosh HD Image: EOS_DIGIT ▲ EOS_DEGIT ▲ Image: Desktop		



b Double-click the [***CANON], the [***EOS1D], or the [***EOS5D] folder.

▶ Transferred image data will appear.

000		DCIM		0
	· 华 - /		Q-local disks	
Wetwork Macintosh HD EOS_DIGIT ▲ EOS_DESCHOP	100EOS1D			
000		D100EOS1D		0
	·恭 -		Q-local disks	
Network	6	~	·	
Macintosh HD				
EOS_DIGIT ▲	_MG_0740.CR2	_MG_0917.CR2	_MG_1067.CR2	
Desktop	5	6	6	
Canon				
Applications	_MG_1103.CR2	_MG_1537.CR2	_MG_2121.CR2	
Documents	6	6	·	
Movies	_MG_2679.CR2	_MG_2751.CR2	_MG_4413.CR2	
Music	_MU_2079.CK2	_MU_2/31.UK2	_MG_4413.CK2	
Pictures	<u>_</u>			
A	_MG_4820.CR2	GM7Y6635.JPG		
		em, 46.7 GB available		11.

Macintosh

Transferring Images Using a Wireless LAN Ad Hoc Mode

Setting Up the Computer to Operate as an FTP Server	78
Setting Up a Network	79
Creating the WFT-E1 Settings File	83
Setting Up the WFT-E1	85
Checking the Connection Status	87
Transferring Images to the FTP Server	88
Viewing Transferred Images on the FTP Server	89

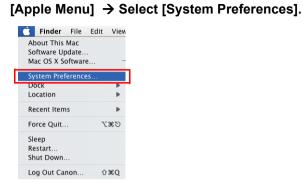
Ad Hoc Mode Overview

Images are directly transmitted to an FTP server equipped with a wireless LAN card or a wireless LAN adapter.



Install drivers for a wireless LAN card or a wireless LAN adapter on an FTP server.

Setting Up the Computer to Operate as an FTP Server



The [System Preferences] screen will appear. Click [Sharing].



2

Click the [Services] tab, and check [DFTP Access].

• When the settings are done, click [Show All] on the upper left to return to the [System Preferences] screen.

hei		Sharing (
low All	Displays Sound Network Start	ap Disk
Com	oputer Name: Other computers on computer at Macinto	your local subnet can reach your sch.local
	Services	Firewall Internet
Select	a service to change its setting Service Personal File Sharing Windows Sharing	S. FTP Access On Stop
	Personal Web Sharing Remote Login	Click Stop to prevent users of other computers from exchanging files with this computer using FTP applications.
	Apple Remote Desktop Remote Apple Events Printer Sharing	1
		۲

Setting Up a Network

Setting Up a Network



From the [Show] pull-down menu, select [Network Port Configurations].

0 🖯	Network	0
Show All Displays Sound 1	Network Startup Disk	
Locati She		•
Built-in Ethernet	Built–in Ethernet AirPort	IP address Lvia Built-in
o built in Ethernet	Network Port Configurations	
⊖ AirPort	AirPort is turned on but is not connected to a	network.

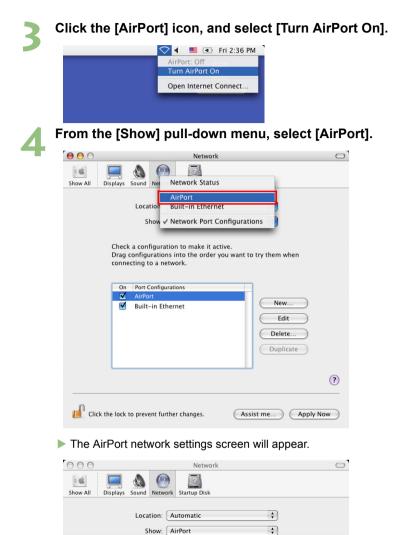
• Check [AirPort], and drag [AirPort] to move it to the top.

[On Pert Configurations √ AirPort ★ Built-in Ethernet	New Edit Delete Duplicate
		(?)
Click the	lock to prevent further changes.	Assist me Apply Now

- Click the [Apply Now] button.
- Do not close the [Network] window yet.

Ad Hoc Mode

M



AirPort ID: 00:0d:93:87:c3:77

On the next page, configure the settings on the [AirPort] tab and the [TCP/IP] tab.

- Configure the settings on the [AirPort] tab and the [TCP/IP] tab as follows.
- Enter "canon" for [Password] on the AirPort tab.

By de	fault, join: A specific	network	\$
	Network:	EOSD	•
	Password:	•••••	
		this computer to creat	
	Show J	AirPort status in menu	bar (
	AirPort TCP/IP	AppleTalk Proxie	s
Configure IPv	4: Manually	;	
Configure IPv IP Addres		•	
-	ss: 192.168.11.2	• 	
IP Addres	s: 192.168.11.2 k: 255.255.255.0	•)]]	
IP Addres Subnet Mas	ss: 192.168.11.2 k: 255.255.255.0 er:	•)]]	
IP Addres Subnet Mas Route DNS Server	ss: 192.168.11.2 k: 255.255.255.0 er:	;]]	
IP Addres Subnet Mas Route	ss: 192.168.11.2 k: 255.255.255.0 er: rs:	•)]]	Option

• If the settings are done, click the [Apply Now] button to close the [Network] window.

Creating a Network



Click the [AirPort] icon, and select [Create Network...].



2

Configure settings in the [Computer to Computer] window.

• Click the [Show Options] button, and set up as follows.

Computer to Computer
Please enter the following information to create a Computer to Computer Network:
Name:
Channel: Automatic (11)
Show Options Cancel OK
Computer to Computer

Please enter the following information to create a Computer to Computer Network:

	Name: EOSD	
	Channel: 1	•
	☑ Enable encryption (using WEP)	
	Password: •••••	
	Confirm: •••••	
	WEP key: 40-bit (more compatible)	*
	The WEP key must be entered as exactly 5 ASCII characters or 10 HEX digits.	
(Hide Options Cancel OK	\supset

- Enter "canon" for [Password] and [Confirm].
- If the settings are done, click the [OK] button to close the window.

Creating the WFT-E1 Settings File

Use the WFT-E1 Utility software included in the package to create the settings file to transfer images using ad hoc mode.

Start the WFT-E1 Utility and set up as follows. If the WFT-E1 Settings Wizard appears, click the [**Cancel**] button.

etting Up TCF	P/IP
000	🙈 WFT-E1 Utility
New Settings Wizard	Open Save
Settings list :	* Register Delete Update
ТС	P/IP settings FTP settings Wireless LAN settings
Obtain an IP add	ress automatically
 Use the following 	g IP address
IP address :	192 168 11 3
Subnet mask :	255 255 255 0
Gateway :	
etting Up FTF	🖏 WFT-E1 Utility
<u> </u>	
<u> </u>	WFT-E1 Utility
New Settings Vizard	WFT-E1 Utility
New Settings Vizard	WFT-E1 Utility WFT-E1 Utility Save Register Delete Update
New Settings Wizard	WFT-E1 Utility WFT-E1 Utility Open Save P/IP settings FTP settings Wireless LAN settings 192.168.11.2
New Settings Wizard	WFT-E1 Utility WFT-E1 Utility Open Save Register Delete Update P/IP settings FTP settings Wireless LAN settings
New Settings Wizard Settings list : Target server Server :	WFT-E1 Utility
New Settings Wizard Settings list : Target server Server : Port No. :	WFT-E1 Utility
New Settings Wizard Settings list :	WFT-E1 Utility Open Save P/IP settings FTP settings Wireless LAN settings 192.168.11.2 21 (1-65535) mode
New Settings Wizard Settings list :	WFT-E1 Utility Open Save P/IP settings FTP settings Wireless LAN settings 192.168.11.2 21 (1-65535) mode Browse
New Settings Wizard Settings list :	WFT-E1 Utility Open Save P/IP settings FTP settings Wireless LAN settings 192.168.11.2 21 (1-65535) mode Browse Vorewrite same file
New Settings Wizard Settings list : Target server Server : Port No. : Use passive n Target folder : User Anonymous Use the follo	WFT-E1 Utility Open Save P/IP settings FTP settings Wireless LAN settings 192.168.11.2 21 0 (1-65535) mode Browse Overwrite same file Login owing login info
New Settings Wizard Settings list :	WFT-E1 Utility Open Save Register Delete Update P/IP settings Wireless LAN settings I92.168.11.2 21 (1-65535) mode Browse Overwrite same file I ogin owing login info

Enter the [Login name] and [Login password] the same way as in the [Name] and [Password] that appear when you select [Apple Menu] → [System Preferences] → [Accounts]. Without these settings, you cannot connect to the FTP server.

M

S

ng Up a V	Vireless LAN	1
000	🕵 WFT-E1 Uti	lity
New Settings Wizard	Open Save	
Settings list :	\$	Register Delete Update
T	CP/IP settings FTP settings	Wireless LAN settings
SSID :	EOSD	Search
Conn. Method :	O Infrastructure	
	• Ad hoc Chan	nel : 1 🔻
Authentication :	Open System	
	 Shared Key 	
	O WPA-PSK	WLAN list : OK
Encryption :	O None	SSID Conn. Method Cancel
	• WEP	
Key format :	• Character strings	
	O Hexadecimal number	
Key :	canon	(5 characters)

Configure the same settings as in [Computer to Computer] on page 82. If you entered [EOSD] for [Name] on page 82, enter EOSD for [SSID]. For [Channel], set the same [Channel] as on page 82. If you set "canon" for the password, enter "canon" for [Key].

Saving the Se	ttings File	
000	🛸 WFT-E1 Utility	
New Settings Wizard	Open Save	

- Click the [Save] button to save the settings file to a memory card.
- Save the settings file to the root directory of the memory card without changing the file name.

Ad Hoc Mode

Please read Chapter 2 "Setting Up the WFT-E1" in the PDF manual on the WFT-E1/E1A Utility Disk included in the package.

Conduct the series of preparations described on pages 16 through 24, and download the settings file to the camera.

Selecting the Settings File

Select [LAN setting].

Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.

> Image transfer (LAN) settings LAN setting Set 1

LAN setting	Set 1
Automatic transfer	Disable
Image sel./transfer	
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Frror description	



Select Set No.

Select the Set No. in which the ad hoc settings file is loaded.

Image transfer	(LAN) settings
LAN setting	
	Set 2
	Set 3
	Set 4
	Set 5
	Set up

	ft2
LCD Brightness	
Date/Time	02/16/2004
Language	English
Video system	NTSC
Firmware	Ver.
Sensor cleaning	
Image transfer (LAN)	settings

Selecting the LAN Type

Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.

	ft2
LCD Brightness	
Date/Time	02/16/2004
Language	English
Video system	NTSC
Firmware	Ver.
Sensor cleaning	
Image transfer (LAN)	settings

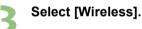
Image transfer (LAN) settings
LAN setting	Set 2
Automatic transfer	Disable
Image sel./transfe	r
RAW+JPEG transfer	JPEG only
LAN type	Ethernet
Power Saving	10 sec.
WFT firmware	Ver.
Error description	

Image transfer	(LAN) settings
I AN tupo	Wireless
LAN type	

Image transfer (LA	AN) settings
LAN setting	Set 2
Automatic transfer	Disable
Image sel./transfer	
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	MENU 5



Select [LAN type].



Checking the Connection Status

Check the connection status to the wireless LAN card or the wireless LAN adapter. Connect the wireless LAN card or the wireless LAN adapter to the FTP server, and turn the power on. Connect the WFT-E1 and the camera, and turn the power on.

Check the connection when the WFT-E1 and the wireless LAN card or the wireless LAN adapter are close to each other — 3m/9.8ft or less.

Successful connection display



- The <3> lamp and the <4> lamp on the WFT-E1 will light up, and the LCD panel will show the link speed (Mbps) and .
- After the period of time passes with no activity as set in the [Power Saving] menu, the <4> lamp will turn off and the link speed and will also disappear from the LCD panel.

Failed connection display



- The LCD panel will show <E> and an error number. The and <3> lamps will also blink.
- See troubleshooting (p.103) to solve the problem.

Transferring Images to the FTP Server

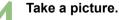
This section uses automatic transfer as an example to explain how to transfer images to the FTP server.

If a memory card is not installed in the camera, images cannot be transferred. Images will also be stored in the memory card, so insert a memory card with adequate available space.

1	Select [Image transfer (LAN) settings] from the menu.	LCD Brightness	ft2
	[Image transfer (LAN) settings] will not appear	Date/Time	02/16/2004
	unless the WFT-E1 is connected to the camera,	Language	English
	and both are turned on.	Video system	NTSC
	and both are turned on.	Firmware	Ver.
		Sensor cleaning	
		Image transfer (LAN) settings
	Select [Automatic transfer].	Image transfer (LA	N) settings
		LAN setting	Set 2
		Automatic transfer	Disable
		Image sel./transfer	
		RAW+JPEG transfer	JPEG only
		LAN type	Wireless
		Power Saving	10 sec.
		WFT firmware	Ver.
		Error description	
2	Select [Enable].	Image transfer (LA	N) settings
		Automatic transfer	Disable
			Enable

Image transfer (LA	N) settings
LAN setting	Set 2
Automatic transfer	Enable
Image sel./transfer	
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	MENU 5

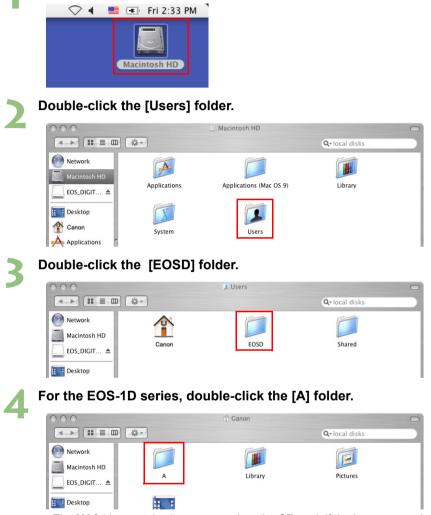
5



▶ The <4> lamp will blink and captured image will be transferred to the FTP server.

Viewing Transferred Images on the FTP Server

Double-click [Macintosh HD].



 The [A] folder contains images saved on the CF card. If the images saved on the SD card have been transferred, a [B] folder is automatically created and images will be saved there. Ad Hoc Mode

5	Double-click the [DCIM]	folder.	
	000	A	
			Q-local disks
	Wetwork Image: Macintosh HD Image: EOS_DIGIT ▲ Image: Desktop		



b Double-click the [***CANON], the [***EOS1D], or the [***EOS5D] folder.

▶ Transferred image data will appear.

000		DCIM		0
	\$\$T		Q- local disks	
Wetwork Macintosh HD EOS_DIGIT ▲ EOS_DESTOR	100EOS1D			
000		Diverse 1000000000000000000000000000000000000		0
	· 夺 * ·		Q-local disks	
Network	~	<u> </u>		
Macintosh HD				
EOS_DIGIT ▲	_MG_0740.CR2	_MG_0917.CR2	_MG_1067.CR2	
Desktop	5	~	~	
Canon				
Applications	_MG_1103.CR2	_MG_1537.CR2	_MG_2121.CR2	
Documents	~	~	~	
Movies				
Music	_MG_2679.CR2	_MG_2751.CR2	_MG_4413.CR2	
Pictures				
A	_MG_4820.CR2	GM7Y6635.JPG		
		em, 46.7 GB available		11.

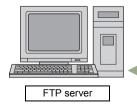
Macintosh

Transferring Images Using a Wired LAN

Setting Up the Computer to Operate as an FTP Server	. 92
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Setting Up the WFT-E1	. 97
Checking the Connection Status	.99
Transferring Images to the FTP Server	100
Viewing Transferred Images on the FTP Server	101

Wired LAN Overview

Connect the WFT-E1 to the FTP server with a LAN cable to transfer images.





When connecting the WFT-E1 directly to the FTP server, make sure to use a cross cable. If a straight cable is used, error No. 81 will be displayed and you will not be able to transfer images. When using a straight cable, connect the FTP server and the WFT-E1 via a hub or a router.

Setting Up the Computer to Operate as an FTP Server

Setting Up Sharing

[Apple Menu] → Select [System Preferences].

🗯 Finder	File	Edit	View
About This I Software Up			
Mac OS X So			_
System Pref	erence	es	
DOCK			•
Location			•
Recent Item	s		•
Force Quit		7	жIJ
Sleep			
Restart			
Shut Down			
Log Out Car	non	Û	жQ

The [System Preferences] screen will appear. Click [Sharing].





Click the [Services] tab, and check [DFTP Access].

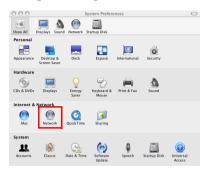
 When the settings are done, click [Show All] on the upper left to return to the [System Preferences] screen.

		ip Disk
Com	puter Name: Other computers on	your local subnet can reach your
	computer at Macinto	esh.local
	(.	
	Services	Firewall Internet
Select	a service to change its setting	5.
On	Service	FTP Access On
	Personal File Sharing	
	Windows Sharing	()
	Personal Web Sharing	Click Stop to prevent users of other computers from exchanging files with this
	Remote Login	computer using FTP applications.
₹	FTP Access	
	Apple Remote Desktop	
	Remote Apple Events	
	Printer Sharing	
		6

Setting Up a Network



Click [Network].





From the [Show] pull-down menu, select [Network Port Configurations].

00	Network	0
Show All Displays Sound	Network Startup Disk	
	tion: Automatic tion ✓ Network Status	
⊖ Built-in Ethernet	Built-in Ethernet AirPort Paddress avia Built-in	
😑 AirPort	Network Port Configurations AirPort is turned on but is not connected to a network.	

• Check [Built-in Ethernet].

ļ	On Port Configurations ✓ Built-in Ethernet ✓ AirPort	New Edit Delete Duplicate
		(?)
📔 Click th	e lock to prevent further changes.	Assist me Apply Now

• Click the [Apply Now] button.

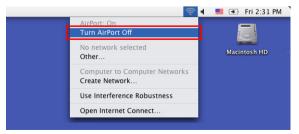
Mired LAN

00	0	Network	
Show A	II Displays Sound Net	Network Status	
		Built–in Ethernet	
	Location	Airport	
	Show v	/ Network Port Configurations	
		ation to make it active.	
	Drag configuration connecting to a ne	ns into the order you want to try them when etwork.	
Cor	ofiquro sottings	on the [TCB/IB] tab as follows	
• 00	ingule settings	on the [TCP/IP] tab as follows.	
_	TCP/	/IP PPPoE AppleTalk Proxies Ethernet	t]
			_
	Configure IPv4:	Manually 🛟	
		192.168.11.2	
	IP Address:	192.168.11.2	
	IP Address: Subnet Mask:	255.255.255.0	
	Subnet Mask:		
	Subnet Mask:		
	Subnet Mask: Router:		
	Subnet Mask: Router:		(Option
	Subnet Mask: Router: DNS Servers:		(Option
	Subnet Mask: Router: DNS Servers: Search Domains:		(Option

If the settings are done, click the [Apply Now] button to close the [Network] window.

Set [Turn AirPort Off].

• Click the [AirPort] icon, and select [Turn AirPort Off].



Creating the WFT-E1 Settings File

Use the WFT-E1 Utility software included in the package to create the settings file to transfer images using a wired LAN.

Start the WFT-E1 Utility and set up as follows. If the WFT-E1 Settings Wizard appears, click the [**Cancel**] button.

Setting Up TCP/I	IP				
000	rê,	WFT-E	1 Utilit	/	
New Settings Wizard Open)	Save			
Settings list :			÷ (legister	.) Delete Update
TCP/IP s	settings	FTP sett	ings \	Vireless LAN	N settings
Obtain an IP address a	automatica	ally			
• Use the following IP a					
IP address :	192	168	11	3	
Subnet mask :	255	255	255	0	
Gateway :					
Setting Up FTP	t ^a	WFT-E	1 Utilit	/	,
-)	WFT-E	1 Utilit	/	
)			/ Register	.) Delete Update
New Settings Wizard Open Settings list :)		÷ (
New Settings Wizard Open Settings list : Target server	settings	Save	÷ (Register	
New Settings Wizard Open Settings list : Target server Server :	settings	Save	¢ F	Register Vireless LAN	V settings
New Settings Wizard Open Settings list : Target server Server : Port No. :	settings 192.10 21	Save	÷ (Register Vireless LAN	V settings
New Settings Wizard Open Settings list : Target server Server : Port No. : Use passive mode	settings 192.10 21	Save	¢ F	Register Vireless LAN	V settings
New Settings Wizard Open Settings list : Target server Server : Port No. :	settings 192.10 21	FTP setti	÷ F	Register Vireless LAN	V settings
New Settings Wizard Open Settings Ilst : Target server Server : Port No. : Use passive mode Target folder :	settings 192.10 21	Save	÷ F	Register Vireless LAN	V settings
New Settings Wizard Open Settings list : Target server Server : Port No. : Use passive mode	settings 192.16 21 ✓ Over	FTP setti	÷ F	Register Vireless LAN	V settings
New Settings Wizard Open Settings Iist : Target server Server : Port No. : Use passive mode Target folder : User	settings 192.10 21 Vover n	FTP sett 58.11.2	÷ F	Register Vireless LAN	V settings
New Settings Wizard Open Settings list : TCP/IP s Server : Port No. : Use passive mode Target folder : User Anonymous logi	settings 192.10 21 Vover n	FTP sett 58.11.2	÷ F	Register Vireless LAN	V settings

Enter the [Login name] and [Login password] the same way as in the [Name] and [Password] that appear when you select [Apple Menu] → [System Preferences] → [Accounts]. Without these settings, you cannot connect to the FTP server.

Mired LAN

M

Setting Up a Wireless LAN

Setting are not necessary.

Saving the Settings File

- Click the [Save] button to save the settings file to a memory card.
- Save the settings file to the root directory of the memory card without changing the file name.

97

3

Wired LAN

Setting Up the WFT-E1

Please read Chapter 2 "Setting Up the WFT-E1" in the PDF manual on the WFT-E1/E1A Utility Disk included in the package.

Conduct the series of preparations described on pages 16 through 24, and download the settings file to the camera.

Selecting the Settings File

Select [LAN setting].

Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.

Image transfer (L	AN) settings
LAN setting	Set 2
Automatic transfer	Disable
Image sel./transfer	
RAW+JPEG transfer	JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	

Image transfer (LAN) settings

LCD Brightness

Video system

Sensor cleaning

Date/Time Language

Firmware

f12

02/16/2004

English

NTSC

Ver.



Select Set No.

Select the Set No. in which the wired LAN settings file is loaded.

Image transfer	(LAN) settings
LAN setting	Set l
	Set 3
	Set 4
	Set 5
	Set up

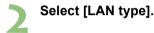


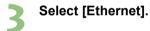
Selecting the LAN Type



Select [Image transfer (LAN) settings] from the menu.

[Image transfer (LAN) settings] will not appear unless the WFT-E1 is connected to the camera, and both are turned on.





	11 f1 2 .	
LCD Brightness		
Date/Time	02/16/200)4
Language	English	
Video system	NTSC	
Firmware	Ver.	
Sensor cleaning		
Image transfer	(LAN) settings	

Image transfer	(LAN) settings
LAN setting	Set 3
Automatic transf	er Disable
Image sel./trans [.]	fer
RAW+JPEG transfe	r JPEG only
LAN type	Wireless
Power Saving	10 sec.
WFT firmware	Ver.
Error description	า

Image transfer	(LAN) settings
LAN type	Wireless
	Ethernet
Image transfer	(LAN) enttinge

Image transfer (L	AN) settings
LAN setting	Set 3
Automatic transfer	Disable
Image sel./transfer	
RAW+JPEG transfer	JPEG only
LAN type	Ethernet
Power Saving	10 sec.
WFT firmware	Ver.
Error description	MENU'5

Checking the Connection Status

Check the connection status to the FTP server.

If you connect the WFT-E1 directly to the FTP server, make sure to use a cross cable. If a straight cable is used, error No. 81 is displayed and you cannot transfer images.

When using a straight cable, connect the FTP server and the WFT-E1 via a hub or a router.

Connect the FTP server and the WFT-E1, and turn the power on.

Successful connection display



- The <3> lamp and the <4> lamp on the WFT-E1 will light up, and the LCD panel will show the <C>.
- After the period of time passes with no activity as set in the [Power Saving] menu, the <4> lamp will turn off and the <C> will also disappear from the LCD panel.

Failed connection display



- The LCD panel will show <E> and an error number. The <C> and <3> lamps will also blink.
- See troubleshooting (p.103) to solve the problem.

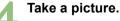
Transferring Images to the FTP Server

This section uses automatic transfer as an example to explain how to transfer images to the FTP server.

If a memory card is not installed in the camera, images cannot be transferred. Images will also be stored in the memory card, so insert a memory card with adequate available space.

htness
e 02/16/2004 English
e English stem NTSC
v Ver.
leaning
ansfer (LAN) settings
transfer (LAN) settings
ing Set 3
c transfer Disable
1./transfer
transfer JPEG only
Ethernet ving 10 sec.
ware Ver.
scription
transfer (LAN) settings
c transfer Disable
Enable

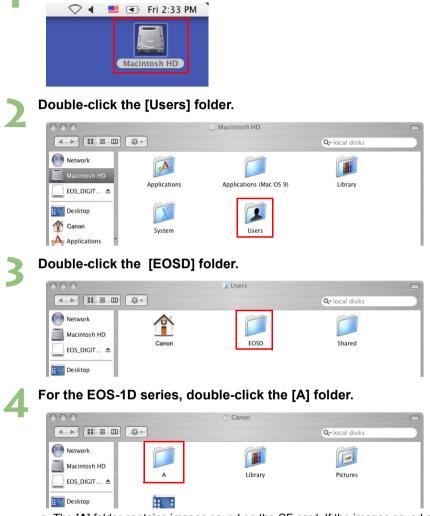
Image transfer ((LAN) settings
LAN setting	Set 3
Automatic transfe	r Enable
Image sel./transf	er
RAW+JPEG transfer	JPEG only
LAN type	Ethernet
Power Saving	10 sec.
WFT firmware	Ver.
Error description	MENU 5



▶ The <4> lamp will blink and captured image will be transferred to the FTP server.

Viewing Transferred Images on the FTP Server

Double-click [Macintosh HD].



 The [A] folder contains images saved on the CF card. If the images saved on the SD card have been transferred, a [B] folder is automatically created and images will be saved there. Wired LAN

Double-click th	e [DCIM] folder.	
000	🏳 A	\bigcirc
	☆ - (Q- local disks
Image: Wetwork Image	DCIM	



b Double-click the [***CANON], the [***EOS1D], or the [***EOS5D] folder.

▶ Transferred image data will appear.

000		DCIM		\bigcirc
			Q- local disks	
Wetwork Image: Second state EOS_DIGIT ▲ Image: Second state Desktop	100EOS1D			
000		100EOS1D		\bigcirc
	·#*		Q-local disks	
Network	B	~	~	
Macintosh HD				
EOS_DIGIT ▲	_MG_0740.CR2	_MG_0917.CR2	_MG_1067.CR2	
Desktop	B	·	6	
Canon				
Applications	_MG_1103.CR2	_MG_1537.CR2	_MG_2121.CR2	
Documents	6			
Movies	_MG_2679.CR2	_MG_2751.CR2	_MG_4413.CR2	
Music				
Pictures		JPEG		
A	_MG_4820.CR2	GM7Y6635.JPG		
	1 i'	tem, 46.7 GB available		11.

Troubleshooting

If an error number appears on the WFT-E1's display panel, refer to the countermeasure examples in this chapter to remove the source of the error. Click the error number listed below to jump to the correspondent item.

01 (p.104)				
21 (p.104)	22 (p.104)	23 (p.105)	24 (p.106)	25 (p.107)
41 (p.107)	42 (p.109)	43 (p.109)	44 (p.109)	45 (p.110)
46 (p.110)	47 (p.111)			
61 (p.111)	62 (p.112)	63 (p.112)	64 (p.113)	65 (p.113)
81 (p.113)	99 (p.114)			

01: Problem with camera cable connection

- 1 Is the camera securely connected to the WFT-E1?
- Reconnect the cable between the camera and the WFT-E1. The cable may also be broken, so try connecting using a different cable.
- ▶ For EOS-1D series cameras, use an IEEE1394 cable.

2 Is the camera set for auto power off?

Disable the camera's auto power off function. If Error 01 still appears, turn off the camera power and the WFT-E1 power and turn them on again.

3 Is the camera's power switch in the <OFF> position?

▶ Turn on the camera power and the WFT-E1 power.

21: No address assigned by DHCP server

WFT-E1

- 1 The WFT-E1 is set to [Use DHCP Server]. Is this setting all right?
- If you are not using the DHCP server, change the settings of the WFT-E1 to not use the DHCP server. (p.116 [DHCP Server])

DHCP server

- 2 Is the DHCP server's power on?
- Turn the DHCP server's power on.
- 3 Are there enough addresses assigned by the DHCP server?
- Increase the number of addresses assigned by the DHCP server.
- Remove terminals from the network to which addresses are assigned from the DHCP server to reduce the number of addresses.

4 Is the DHCP server functioning normally?

- Check the settings of the DHCP server to make sure if it's functioning normally as a DHCP server.
- If there is a network administrator, ask that person to change the status of the DHCP server so it is available.

22: No response from DNS server

WFT-E1

- 1 The WFT-E1 is set to [Use DNS Server]. Is this setting all right?
- If you are not using the DNS server, change the settings of the WFT-E1 to not use the DNS server. (p.117 [DNS Server])

- 2 Is the correct IP address set for the DNS server in the WFT-E1?
- Set the same IP address as for the DNS server to be used for the WFT-E1. (p.117 [Address])

DNS server

- 3 Is the DNS server's power on?
- Turn the DNS server's power on.
- 4 Are the correct IP address and corresponding name set in the DNS server?
- Set the correct IP address and corresponding name in the DNS server.
- 5 Is the DNS server functioning normally?
- Check the settings of the DNS server to make sure if it's functioning normally as a DNS server.
- If there is a network administrator, ask that person to change the status of the DNS server so it is available.

Overall network

- 6 Is a router or a similar device with a gateway function used on the network you are trying to connect to?
- If there is a network administrator, ask that person for the gateway address for the network, and set it in the WFT-E1. (p.116 [Gateway])
- Set the correct gateway address for all network devices including the WFT-E1.

23: Duplicate IP address

WFT-E1

- 1 Is a device connected to the same network as the WFT-E1 using the same IP address as the WFT-E1?
- Change the IP address for the WFT-E1 to avoid duplication of IP address with another device connected to the same network. (p.116 [IP Address]) Or, change the IP address for the device with the duplicate address.
- If the WFT-E1 is set to use an IP address under a network environment using a DHCP server, set the WFT-E1 to use the DHCP server. (p.116 [DHCP Server])

24: No response from proxy server

WFT-E1

- 1 The WFT-E1 is set to [Use Proxy]. Is this setting all right?
- If a proxy server is not being used, set it to not use the proxy server. (p.120 [Proxy])
- 2 Are the proxy server's [Address] and [Port No.] set in the WFT-E1 the same as for the proxy server?
- Set the same address and port No. as the proxy server in the WFT-E1. (p.120 [Proxy])
- 3 In the WFT-E1's [Proxy] settings, is [Server Name] the only one that is entered?

If the proxy server's [Address] is not set in the WFT-E1, set it to use the DNS server and enter the DNS server address. (p.117 [DNS Server], [Address]) Also, make sure that the server name and port No. are entered correctly for the proxy server to be used.

Proxy server

- 4 Is the proxy server's power on?
- Turn the proxy server's power on.
- 5 Is the proxy server functioning normally?
- Check the settings of the proxy server to make sure if it's functioning normally as a proxy server.
- If there is a network administrator, ask that person for the proxy server's address or server name and port No., and set them in the WFT-E1.

Overall network

- 6 Is a router or a similar device with a gateway function used for the network you are trying to connect to?
- If there is a network administrator, ask that person for the gateway address for the network, and set it in the WFT-E1. (p.116 [Gateway])
- Set the correct gateway address for all network devices including the WFT-E1.

25: Other terminal has set the same IP address

- 1 Is a device connected to the same network as the WFT-E1 using the same IP address as the WFT-E1?
- This error occurs when the WFT-E1 is connected to a network and another device with the same IP address as the WFT-E1 connects to the network. Change the IP address for the WFT-E1 to avoid duplicating the IP address with another device connected to the same network. (p.116 [IP Address])

Or, change the IP address for the device with a duplicate address.

41: Cannot connect to FTP server

WFT-E1

- 1 Is the correct IP address set for the FTP server in the WFT-E1?
- Check the IP address for the FTP server using the following method, and set the same IP address as for the FTP server in the WFT-E1. (p.118 [Target Server]) For Windows 2000 and Windows XP, check the IP address from the [Command Prompt] (p.22).

For Mac OS X, go to [Finder] \rightarrow [Applications] \rightarrow [Terminal], enter ifconfig -a and press the [Return] key. In [inet] of [en0], ***.***.*** is the IP address.

- 2 Is the FTP server's [Port No.] set in the WFT-E1 the same as for the FTP server?
- The Port No. is usually 21. Set the same port No. for both the WFT-E1 and the FTP server. Set the FTP server's port No. in the WFT-E1. (p.118 [Target Server])
- 3 If only the FTP server's [Server Name] is set in the WFT-E1, are the DNS server's settings also configured?
- If the FTP server's [Address] is not set in the WFT-E1, set it to use the DNS server and enter the DNS server address. (p.117 [DNS Server], [Address]) Also, make sure that the server name is correctly entered for the FTP server to be used.

FTP server

- 4 Is the FTP server functioning normally?
- If the computer is not set to function as an FTP server, read this manual to set it to function as an FTP server.
- If there is a network administrator, ask that person for the FTP server's address and port No., and set them in the WFT-E1.

- 5 Is the FTP server's power on?
- Turn the FTP server's power on. The power may be turned off in energy saving mode.
- 6 Is the FTP server's IP address the same as [Address] for the FTP server in the WFT-E1?
- Make sure the IP address set in the FTP server and the IP address for the FTP server set in the WFT-E1 are the same.
- 7 Is a firewall or other security software enabled?
- Depending on the security software, a firewall may limit connections to the FTP server. Change the firewall settings to allow connections to the FTP server.
- You may be able to connect to the FTP server by setting the WFT-E1 to [Use Passive Mode].
- 8 Are you connecting to the FTP server via a broadband router?
- Depending on the broadband router, a firewall may limit connections to the FTP server. Change the firewall settings to allow connections to the FTP server.
- You may be able to connect to the FTP server by setting the WFT-E1 to [Use Passive Mode].
- 9 If you are using Windows XP Service Pack 2, is it set not to connect to the FTP server in [Windows Firewall]?
- See "Changing Firewall Settings" in this manual to change the settings to allow connections to the FTP server. (p.12)

Overall network

- 10 Is a router or a similar device with a gateway function used for the network you are trying to connect to?
- If there is a network administrator, ask that person for the gateway address for the network, and set it in the WFT-E1. (p.116 [Gateway])
- Set the correct gateway address for all network devices including the WFT-E1.

42: FTP server rejected connection

FTP server

1 Is the FTP server set to allow particular IP addresses only?

Change the FTP server settings to allow connections with the TCP/IP [IP address] set in the WFT-E1.

For Windows 2000 and Windows XP, go to [Start] button \rightarrow [Control Panel] \rightarrow double-click [Network Connections] \rightarrow right-click [Local Area Connection] \rightarrow [Properties] \rightarrow double-click [Internet Protocol (TCP/IP)] \rightarrow [Advanced] button \rightarrow [Options] tab \rightarrow double-click [TCP/IP filtering] \rightarrow [OPermit Only] \rightarrow [Add] button \rightarrow enter TCP port [21] \rightarrow [OK] button.

TCP/IP Filtering		? 🛛
🗹 Enable TCP/IP Filt	ering (All adapters)	
O Permit All O Permit Only	 Permit All Permit Only 	 Permit All Permit Only
TCP Ports	UDP Ports	IP Protocols
21		
Add	Add	Add
Remove	Remove	Remove
		OK Cancel

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

FTP server

- 1 Are you trying to connect to the FTP server using more than the set maximum number of simultaneous connections?
- Reduce the number of network devices connecting to the FTP server, or increase the maximum number of devices that can connect to the FTP server using the following procedure.
- For Windows 2000 and Windows XP, increase [Limited To] on the [FTP Site] tab (p.18).

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

This error appears if it fails to disconnect from the FTP server for some reason. Turn off the FTP server's power, the camera's power, and the WFT-E1's power, and then turn them on again.

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

WFT-E1

- 1 Is the [Login name] set in the WFT-E1 correct?
- Check the login name to log in to the FTP server. Make sure there are no differences between upper- and lower-case characters, and set the correct login name in the WFT-E1. (p.119 [Login name]) For Windows 2000 and Windows XP, if anonymous is used as the login name, check if the FTP server is set to allow connections with an anonymous login name. For Mac OS X, go to [Apple] menu → [System Preferences] → [Accounts], and enter [Name] and [Password].
- 2 Is the [Login password] set in the WFT-E1 correct?
- If a login password is set in the FTP server, make sure there are no differences between upper- and lower-case characters, and set the correct login name in the WFT-E1. (p.119 [Login name])

FTP server

- 3 Are the FTP server's file access privileges set to allow read/write/log visits?
- ► For Windows 2000 and Windows XP, check [□Read], [□Write], and [□Log visits] in the [Home Directory] tab (p.18).

For Mac OS X, click the target folder, go to the menu's [File] \rightarrow [Get Info]. In [Ownership & Permissions] in the screen that appears, change the [You can] setting to [Read & Write].

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

FTP server

- 1 The FTP server cut off the connection.
- Restart the FTP server.
- 2 Are the FTP server's file access privileges set to allow read/write/log visits?
- ► For Windows 2000 and Windows XP, check [□Read], [□Write], and [□Log visits] in the [Home Directory] tab (p.18).

For Mac OS X, click the target folder, go to the menu's [File] \rightarrow [Get Info]. In [Ownership & Permissions] in the screen that appears, change the [You can] setting to [Read & Write].

- 3 Did you allow access privilege to the FTP server's target folder?
- Set the access privilege for the target folder in the FTP server to be able to save images transferred from the WFT-E1.
- For Windows 2000 and Windows XP, set access privileges in the properties of the target folder.

For Mac OS X, click the target folder, go to the menu's [File] \rightarrow [Get Info]. In [Ownership & Permissions] in the screen that appears, change the [You can] setting to [Read & Write].

4 Is the server's power on?

- ▶ Turn the server's power on. The power may be turned off in energy saving mode.
- 5 Is the FTP server's hard disk full?
- Increase available space on the hard disk.

47: Image file transfer completion not confirmed by FTP server

This error appears if it fails to receive a confirmation of image file transfer completion from the FTP server for some reason.

Turn off the FTP server's power, the camera's power, and WFT-E1's power, and then turn them on again.

61: Same SSID wireless LAN terminal not found

- 1 Are there any obstacles blocking the path between the WFT-E1 and the antenna of the wireless LAN access point (or the wireless LAN terminal)?
- Move the WFT-E1 and the antenna of the wireless LAN access point (or the wireless LAN terminal) so there is a clear path between them.
- Use the ERA-E1 Extended Range Antenna for the WFT-E1 (sold separately).
- 2 After a wireless LAN connection is cut off between the WFT-E1 and the wireless LAN access point (or the wireless LAN terminal) for some reason, they are not able to connect again.
- ▶ Turn off the camera's power and the WFT-E1's power, and then turn them on again.

WFT-E1

- 3 Does the WFT-E1 have the same SSID setting as in the wireless LAN access point?
- Check the SSID in the wireless LAN access point, and set the same SSID in the WFT-E1. (p.121 [SSID])
- 4 Is the WFT-E1's antenna loose?
- Make sure that the WFT-E1's antenna connection is secure.

Wireless LAN access point

- 5 Is the wireless LAN access point's power on?
- Turn the wireless LAN access point's power on.
- 6 If you are using an IEEE802.11a wireless LAN access point, is the wireless LAN access point fixed for IEEE802.11a?
- Set the wireless LAN access point to allow connections with IEEE802.11b/g.
- 7 If you are filtering by MAC address, did you register the WFT-E1's MAC address in the wireless LAN access point?
- Register the WFT-E1's MAC address (p.121 [MAC Address]) in the wireless LAN access point.

62: No response from wireless LAN terminal

WFT-E1

- 1 Is the WFT-E1 set to connect in infrastructure mode?
- Set the WFT-E1 to connect via ad hoc. (p.121 [Advanced settings])
- 2 Is the WFT-E1's antenna loose?
- Make sure that the WFT-E1's antenna connection is secure.

Wireless LAN terminal

- 3 Is there a wireless LAN terminal nearby to connect via ad hoc?
- Prepare a wireless LAN terminal set up to connect via ad hoc near the WFT-E1.

FTP server

- 4 Is the FTP server that is connected to (or with a built-in) a wireless LAN terminal powered on?
- Turn the FTP server's power on to be able to connect via ad hoc.

63: Wireless LAN authentication failed

- 1 Are the WFT-E1 and the wireless LAN access point set to have the same authentication method?
- Available authentication methods for the WFT-E1 are [Open System], [Shared key], and [WPA-PSK]. (p.121 [Advanced settings])
- To use infrastructure mode for AirPort, you cannot connect using the [Open System] method. Set a [Shared key] in the WFT-E1. (p.70, p.121 [Advanced settings])
- 2 Are the WFT-E1 and the wireless LAN access point set to have the same encryption key for authentication?

Make sure there are no differences between upper- and lower-case characters, and set the correct encryption key for authentication in the WFT-E1 and the wireless LAN access point. (p.19, 23, 64, 70, and 121 [Advanced settings])

- 3 If you are filtering by MAC address, did you register the WFT-E1's MAC address in the wireless LAN access point?
- Register the WFT-E1's MAC address (p.121 [MAC Address]) in the wireless LAN access point.

64: Cannot connect to wireless LAN terminal

- 1 Are the WFT-E1 and the wireless LAN access point set to have the same encryption method?
- Available encryption methods for the WFT-E1 are [WEP] and [TKIP]. (p.121 [Advanced settings])
- 2 If you are filtering by MAC address, did you register the WFT-E1's MAC address in the wireless LAN access point?

Register the WFT-E1's MAC address (p.121 [MAC Address]) in the wireless LAN access point.

65: Wireless LAN connection lost

- 1 Are there any obstacles blocking the path between the WFT-E1 and the antenna of the wireless LAN access point (or the wireless LAN terminal)?
- Move the WFT-E1 and the antenna of the wireless LAN access point (or the wireless LAN terminal) so there is a clear path between them.
- Use the ERA-E1 Extended Range Antenna for the WFT-E1 (sold separately).
- 2 After a wireless LAN connection is cut off between the WFT-E1 and the wireless LAN access point (or the wireless LAN terminal) for some reason, they are not able to connect again.

(Accesses from other terminals may be concentrated on the wireless LAN access point, a microwave oven may be in use nearby, or the weather is poor.)

Turn off the camera's power and the WFT-E1's power, and then turn them on again.

WFT-E1

- 3 Is the WFT-E1's antenna loose?
- Make sure that the WFT-E1's antenna connection is secure.

81: Wired LAN connection lost

- 1 Is the LAN cable securely connected?
- Reconnect the LAN cable between the WFT-E1 and the server. The cable may also be broken, so try connecting using a different cable.
- 2 In regard to LAN cables, are you correctly using a straight cable or a cross cable?
- To connect the WFT-E1 and the server directly, use a cross cable. To connect them via a hub or a router, use a straight cable.
- 3 Is the hub or the router's power on?
- Turn the hub or the router's power on.
- 4 Is the server's power on?
- ▶ Turn the server's power on. The power may be turned off in energy saving mode.

99

WFT-E1

- 1 A problem with error numbers other than 01-81 has occurred.
- Turn the WFT-E1's power <OFF>, remove its battery and insert it again. In case of error 99, the error description will not appear even if you select [Error description] on the display panel.

Reference: Changing the LAN Settings with the Camera

The settings file loaded in the camera can be modified using the menu screen. This chapter explains the menu structure centering on the menu options that appear on the menu screens.

Setting TCP/IP

DHCP Server

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [TCP/IP] \rightarrow [DHCP server]: Select No use or Use.

IP Address

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [TCP/IP] \rightarrow [IP address]: Enter the number.

Enter the number in the same way as for the [Date/Time].

Subnet Mask

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [TCP/IP] \rightarrow [Subnet mask]: Enter the number.

• Enter the number in the same way as for the [Date/Time].

Gateway

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [TCP/IP] \rightarrow [Gateway]: Enter the number.

• Enter the number in the same way as for the [Date/Time].

Setting the DNS Server

DNS Server

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [DNS server] \rightarrow [DNS server]: Select No use or Use.

Address

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [DNS server] \rightarrow [Address]: Enter the number.

- Enter the number if you use a DNS server.
- Enter the number in the same way as for the [Date/Time].

Setting the FTP Server

Target Server

[Server name]

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [FTP server] \rightarrow [Target server] \rightarrow [Server name]: Enter server name or address.

[Port No.]

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [FTP server] \rightarrow [Target server] \rightarrow [Port No.]: Enter a number less than 65535.

Virtual Keyboard Operation



You can enter the server name, etc. using the following method.

With EOS-1D-Series Cameras

Moving the cursor:

Hold down the <k> button and turn the <c> dial.

Deleting a character in the entry field:

Press the <d> button and the cursor will delete the character on its left.

Selecting a keyboard character and entering it:

Hold down the button and turn the <c> dial to select a character. When you let go of the button, the character will be entered at the cursor's position.

Exiting the entry screen:

Press the <e> button. The entries will be registered and the previous screen will reappear.

Canceling the entry:

Press the <f> button and no changes will be made to the entry. The previous screen will reappear.

With Cameras Other than EOS-1D-Series

Switching between the entry field and keyboard:

Press the <h> button to switch between the entry field and keyboard.

Moving the cursor in the entry field:

Turn the <c> dial.

Deleting a character in the entry field:

Press the <d> button and the cursor will delete the character on its left.

Selecting a keyboard character and entering it:

Turn the <c> dial to select a character. Press the <g> button to enter the character at the cursor's position.

Exiting the entry screen:

Press the <e> button. The entries will be registered and the previous screen will reappear.

Canceling the entry:

Press the <i> button and no changes will be made to the entry. The previous screen will reappear.

Login name

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [FTP server] \rightarrow [Login name]: Enter your login name.

Login password

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [FTP server] \rightarrow [Login password]: Enter your login password.

Target folder

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [FTP server] \rightarrow [Target folder]: Enter the save folder.

Passive Mode

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [FTP server] \rightarrow [Passive mode]: Select No use or Use.



[Proxy]

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [FTP server] \rightarrow [Proxy] \rightarrow [Proxy]: Select No use or Use.

[Address]

 $[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [FTP server] \rightarrow [Proxy]$

- → [Address]: Enter the number.
- Enter the number in the same way as for the [Date/Time].

[Port No.]

[Image transfer (LAN) settings] → [LAN setting] → [Set up] → [FTP server] → [Proxy] → [Port No.]: Enter a number less than 65535.

Overwrite Same File

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [FTP server] \rightarrow [Overwrite same file]: Select Yes or No.

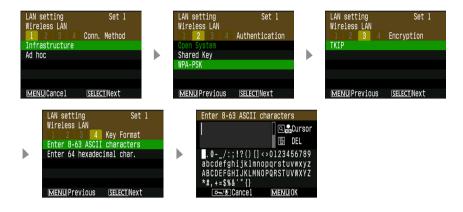
Setting Wireless LAN

SSID

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [Wireless LAN] \rightarrow [SSID]: Enter the SSID.

Advanced settings

You can set the connection method, authentication method, encryption, etc. [Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [Wireless LAN] \rightarrow [Advanced settings]: If you enter the settings for the wireless LAN access point (or wireless LAN adapter), the following screens will be displayed automatically. The settings which can be set will vary automatically depending on the configuration.



MAC Address

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [Wireless LAN] \rightarrow [MAC address]: The MAC address will be displayed.

Protecting and Saving the Settings

Protect Settings

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [Protect settings]: Select Off or On.

- Select [On] to prevent the LAN settings from being modified inadvertantly.
- Select [Off] if you want to change the LAN settings with the camera.

Save Settings

[Image transfer (LAN) settings] \rightarrow [LAN setting] \rightarrow [Set up] \rightarrow [Save settings] \rightarrow [OK]: The settings will be saved in the memory card.

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This Instruction Manual booklet is current as of October 2005. For information on using the WFT-E1 with accessories introduced after this date, contact your nearest Canon Service Center.