# **4** Enter an IP address and sub-net mask for the ftp server and click [OK].



**5** Go to the [System and Maintenance] > [Administrative Tools] control panel and open the [Internet Information Services] console.

Internet Information Services Shortcut 2 KB



# Right-click [Default FTP Site] and select [Properties] from the menu that appears.



Creating an ftp Server / Windows XP



8

Select the II	P address entered in Step 4 and enter a [TCP Port]
number. Th	e port number is normally 21.

TP Site Security	Accounts Messages Home Directory	
Identification		
Description:	Default FTP Site	
IP Address:	192.168.1.3	
TCP Port	21	

Open the [Home Directory] tab and select [a directory located on this computer]. The root directory for images uploaded to the ftp server is listed in the [Local Path] text box; choose a folder and select [Read], [Write], and [Log visits]. Click [OK] to close the properties dialog.

Default FTP Site P	roperties ?X
FTP Site Security A	ccounts Message Home Directory
Writer connecting to	Ins resource, the content should come from: ③ a directop located on this computer ③ a three located on another computer CULAN Ø Read Ø Write
Urrectory Listing S O UNIX & O MS-DOS &	Ve Log visits
	OK Cancel Apply Heb

This completes ftp server setup. Proceed to "Copying Network Profiles to the Camera" (pg.119).

### <u>Macintosh</u>

#### **1** Open [System Preferences] and click [Network].



#### **2** Select [AirPort] from the [Show] menu.



**3** Select [Manually] from the [Configure IPv4] menu and enter an IP address and sub-net mask.

000	Network	
Show All		Q
Loc	ation: Automatic	•
	Show: AirPort	\$
AirPo	rt TCP/IP PPPoE App	leTalk Proxies
Configure IPv4:	Manually	•
IP Address:	192.168.1.3	
Subnet Mask:	255.255.255.0	
Router:	ļ	
DNS Servers:		
Search Domains:		(Optional)
IPv6 Address:		
(	Configure IPv6	(?)
-		
Click the lock to pre	vent further changes.	Assist me Apply Now

Make a note of this address. It will be needed to set up the WT-4.

Creating an ftp Server / Macintosh

4 Click [Show All] to return to the System Preferences dialog.



# Click [Sharing].

QuickTime

Creating an ftp Server / Macintosh

5

#### **6** Select [Services] and enable [FTP Access].

Sharing

000	Sharing	
Show All	٩	$\supset$
Computer Name: user's Power Mac Other computers on y your computer at use	C5 rour local subnet can access rs-power-mac-g5.local Edit	
Service f Select a service to change its settings. On Service Personal File Sharing Windows Sharing FFF Access Personal Web Sharing FFF Access Printer Sharing Syrid	FTP Access On Stop Click Stop to prevent users of other computers from exchanging files with this computer using FTP applications.	

This completes ftp server setup. Proceed to "Copying Network Profiles to the Camera" (pg.119).

# Copying Network Profiles to the Camera

## Ad Hoc Networks

1 Connect the UC-E4 as shown below.



**2** Turn the camera on.



Copying Network Profiles to the Camera / Ad Hoc Networks

**3** Turn the computer on and start the WT-4 Setup Utility.

- Windows: Double-click the [WT-4 Setup Utility] icon on the desktop
- Macintosh: Click the [WT-4WirelessSetup] icon in the Dock.



**4** The dialog shown below will be displayed; click [Next].

R@ WT-4 Sett	p Uhility	(T) Setup
	Welcome to WT-4 Setup!	
	Before you begin, please make sure that your camera's battery is inserted and fully charged. The setup process will fail if the camera's battery runs out before completion.	
	<back next=""></back>	Cancel
	<back ned=""></back>	Cancel

5

Copying Network Profiles to the Camera / Ad Hoc Networks

#### Select [Add/Edit profiles] and click [Next].

WT-4 Se	tup Utility CONSTRUCTION
	Select Action: Select an action and click "Next"
	Add/Edt profiles     Charge password     Setup wheless printer     Setup picture folder      The camers needs to be connected to Add or Edt profiles.
	diack Cancel



**6** Select [Add new profile] and click [Next].

WT-4 Setup <b>Nikon</b>	o Utility	(T) Setup
	Select a profile Select a profile from the list or select " <add new="" profile="">" to create a new profile</add>	
	Oument profiles           Exided new profile>         Delete profile	
	<back ned=""></back>	Cancel

7

Enter the following information and click [Next]:

- Profile name: Enter a name of up to 16 characters.
- Profile type: Choose [FTP Server].
- Interface type: Choose [Wireless & Ethernet] for networks that include wireless, or [Ethernet only] for Ethernet-only networks.

9 WT-4 Setup <b>Nikon</b> .	Utility	(T) Setup
	Enter profile name Enter a name for the new profile and select the type of profile and interface	
	Profile name FTP1 Profile type FTP Server • Interface type Wireless & Ethernet •	
Help	-Back Next	Cancel

Operating the WT-4 for FTP 121

Copying Network Profiles to the Camera / Ad Hoc Networks

Copying Network Profiles to the Camera / Ad Hoc Networks

8 9	Select [Manual setup] and click [Next].
-----	---

(T) Setup
P
Cancel



Enter the following information and click [Next].

- Network name (SSID): Enter a network name or choose from a list of existing networks. Do not change the name if it is supplied automatically.
- Network type: Select [Ad hoc].
- **Channel**: Select a communication channel. However, if the network name (SSID) is consistent, a predetermined channel separate from the channel set here may be applied.
- Authentication: Choose the type of authentication used on the network. In ad-hoc mode, the camera supports open system and shared key authentication.
- Encryption: The type of encryption used on the network. Choose from [None] (open networks only), 64-bit WEP, and 128-bit WEP.
- Encryption key: If the network uses encryption, enter the network key. The number of characters required depends on the type of key used:

	WEP (64-bit)	WEP (128-bit)
Number of characters (ASCII)	5	13
Number of characters (hex)	10	26

• **Key Index**: Set the key index when [WEP64] or [WEP128] is set for [Encryption]. The default index is [1]. Setting the key index is not necessary when [No encryption] was selected for [Encryption].

Wireless sett	ings			
Network name (SSID)	WT-4		1	
Communication mode	Ad-hoc 💌			
Channel	1 💌			
Authentication	Open 💌			
Encryption	WEP64 -			
Encryption key		(5 characters)		
Key index	1 💌			

Copying Network Profiles to the Camera / Ad Hoc Networks





- **Obtain IP address automatically**: Select this option if the network is configured to supply IP addresses automatically. If the network does not include a DHCP server, addresses will be supplied by Auto IP (pg.180).
- IP address: If the network is configured for manual IP addressing, enter an IP address for the WT-4.
- Subnet mask: If the network is configured for manual IP addressing, enter a subnet mask for the WT-4.
- **Default gateway**: If the network requires a gateway address, select this option and enter the address supplied by the network administrator. This option applies only if [FTP server] is selected for Profile type in Step 7.
- DNS Server: If a Domain Name Server exists on the network, select this option and enter the address supplied by the network administrator. This option applies only if [FTP server] is selected for Profile type in Step 7.

TCP/IP sett	ngs	
Cotain IP addres	ss automatically	
IP address	192.168.1.4	
Subnet mask	255.255.255.0	
🔲 Default gateway		
DNS Server		

**11** Enter ftp settings and click [Next].

- FTP server: Enter the URL or IP address of the ftp server.
- **FTP server port**: Enter the port number for the ftp server. The default port is 21.
- FTP path: Choose the folder to which pictures will be uploaded. If no path is specified, pictures will be uploaded to the home directory.
- Anonymous login: Select this option for anonymous login, or leave this option unchecked to supply a [User ID] and [Password].
- Use proxy server: If a proxy server is required for ftp, select this option and enter the server name and port number for the proxy server.
- PASV mode: Select this option to use PASV mode.

on.		(T) Se
FTP setting	gs	
FTP server	192.168.1.3	
FTP server port	20	
FTP path		
Anonymous lo	gin	
User ID	User	
Password		
Use proxy sen	ver	
Proxy server		
Proxy server p	oort	

Copying Network Profiles to the Camera / Ad Hoc Networks

## **12** Confirm that settings are correct and click [Next].

Profile informa	ation	
Field	Value	<b>_</b>
Profile name	FTP1	
Profile type	FTP Server	
Interface type	Wireless & Ethernet	
	Wireless settings	-
Network name (SSID)	WT-4	
Communication mode	Ad-hoc	
Channel	1	
Authentication	Open	-

**13** Select [Finish wizard] and click [Next].

≹© WT-4 Setu <b>Nikon</b> ₀	به Utility ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰
	Action completed successfully The Profile has been saved                • Profile has been saved                 • Profile has been saved                 • Set another action to perform
	<back cancel<="" td=""></back>



**14** Turn the camera off and disconnect the USB cable.





The network profile has now been copied to the camera. Proceed to "Connecting to the FTP Server" (pg.140).

## Infrastructure Networks

#### 1 Connect the UC-E4 as shown below.



2

#### Turn the camera on.



3

Turn the computer on and start the WT-4 Setup Utility.

- Windows: Double-click the [WT-4 Setup Utility] icon on the desktop
- Macintosh: Click the [WT-4WirelessSetup] icon in the Dock.

**4** The dialog shown below will be displayed; click [Next].

Nikon.	tup Utility	(T) Setup
	Welcome to WT-4 Setup!	
	Before you begin, please make sure that your camera's battery is inserted and fully charged. The setup process will fail if the camera's battery runs out before completion.	
	<back next=""></back>	Cancel

5

Copying Network Profiles to the Camera / Infrastructure Networks

#### Select [Add/Edit profile] and click [Next].

Nikon	ietup Utility
	Select Action:
	Select an action and click "Next"
	Add/Edt profiles
-	C Change password
	C Setup wireless printer
	C Setup picture folder
	The camera needs to be connected to Add or Edit profiles.
-	
	<back cancel<="" td=""></back>

**6** Select [Add new profile] and click [Next].

WT-4 Setup Utility		(T) Setup
Select a p new profil	a profile office from the list or select " <add new="" profile="">" to create a</add>	
Current or	Mea Deixte profile	
	<back next=""></back>	Cancel

7

Enter the following information and click [Next]:

- Profile name: Enter a name of up to 16 characters.
- Profile type: Choose [FTP Server].
- Interface type: Choose [Wireless & Ethernet] for networks that include wireless, or [Ethernet only] for Ethernet-only networks.

WT-4 Setur <b>Vikon</b> .	9 Utility	(T) Setup
	Enter profile name Enter a name for the new profile and select the type of profile and interface	
	Profile name FTP1 Profile type FTP Server v Interface type Wireless & Ethemet v	

Copying Network Profiles to the Camera / Infrastructure Networks

Copying Network Profiles to the Camera / Infrastructure Networks

8	Select [Manual setup] and c	lick [Next].
	8 WT-4 Setup Utility	

Nikon.		(T) Setup
	Select setup method	
	Select whether to use manual or automatic setup to configure the IP and Wireless settings.	
	C Automatic setup (recommended)	
	Select network adaptor	
	Manual setup (for advanced users)	
	<back next2<="" td=""><td>Cancel</td></back>	Cancel

#### "Automatic Setup"

Choose [Automatic setup (recommended)] when using a new network for the first time. The following dialog will be displayed; if multiple infrastructure networks have been setup, select a setting which will be used for network connection and click [Next]. to proceed to Step 11 (pg.137).

WT-4 Setup	Utility C C C C C C C C C C C C C C C C C C C
	Wireless auto configuration Select communication mode for your Wireless configuration.
	Infrastructure network (recommended)     Select an existing infrastructure network     WT[4]     Encryption key     (10 characters)     (10 characters)
	<back next=""> Cancel</back>

[Automatic setup] cannot be selected in the following cases:

- When editing a preset network
- When using a third party network adapter
- When the computer network is set to a static IP address
- When the OS is Windows XP SP1 or Mac OSX

9

Enter the following information and click [Next].

- Network name (SSID): Enter a network name or choose from a list of existing networks. Do not change the name if it is supplied automatically.
- Network type: Select [Infrastructure (access point)].
- Authentication: Choose the authentication used on the network. In infrastructure mode, the camera supports WPA-PSK, WPA2-PSK, open system, and shared key authentication.
- Encryption: Choose the encryption used on the network. The options available depend on the authentication used:
   Open: None, 64- or 128-bit WEP
   WPA-PSK: TKIP, AES
   WPA2-PSK: AES
- Encryption key: If the network uses encryption, enter the network key. The number of characters required depends on the type of key used:

	WEP (64-bit)	WEP (128-bit)	TKIP, AES
Number of characters (ASCII)	5	13	8–63
Number of characters (hex)	10	26	64

• **Key Index**: Set the key index when [WEP64] or [WEP128] is set for [Encryption]. The default index is [1]. Setting the key index is not necessary when [No encryption] was selected for [Encryption].

Wireless sett	ings			
Network name (SSID)	WT-4	1	1	
Communication mode	Infrastructure -			
Channel	1 _			
Authentication	WPA-PSK -			
Encryption	TKIP -			
Encryption key		(10 characters)		
Key index	1 👻			

Copying Network Profiles to the Camera / Infrastructure Networks



**10** Enter the following information and click [Next].

- **Obtain IP address automatically**: Select this option if the network is configured to supply IP addresses automatically. If the network does not include a DHCP server, addresses will be supplied by Auto IP (pg.180).
- IP address: If the network is configured for manual IP addressing, enter an IP address for the WT-4.
- **Subnet mask**: If the network is configured for manual IP addressing, enter a subnet mask for the WT-4.
- **Default gateway**: If the network requires a gateway address, select this option and enter the address supplied by the network administrator. This option applies only if [FTP server] is selected for Profile type in Step 7.
- DNS Server: If a Domain Name Server exists on the network, select this option and enter the address supplied by the network administrator. This option applies only if [FTP server] is selected for Profile type in Step 7.

TCP/IP set	lings	
Cotain IP addr	ess automatically	
IP address	192.168.1.4	
Subnet mask	255.255.255.0	
☐ Default gatewa	v	
C DNS Server		

#### **11** Enter ftp settings and click [Next].

- FTP server: Enter the URL or IP address of the ftp server.
- **FTP server port**: Enter the port number for the ftp server. The default port is 21.
- FTP path: Choose the folder to which pictures will be uploaded. If no path is specified, pictures will be uploaded to the home directory.
- Anonymous login: Select this option for anonymous login, or leave this option unchecked to supply a [User ID] and [Password].
- Use proxy server: If a proxy server is required for ftp, select this option and enter the server name and port number for the proxy server.
- PASV mode: Select this option to use PASV mode.

WT-4 Setu <b>Nikon</b> ,	9 Utility	ت الا (۲۵) Setu
	FTP settings	
	FTP server         192.168.1.3           FTP server port         20           FTP nath	
	Anonymous login User ID	
	Password Use proxy server Proxy server	
	Proxy server port	
	<back< td=""><td>Next&gt; Cancel</td></back<>	Next> Cancel





9 WT-4 Setup L	tility	
Nikon.		(T) Setur
	Action completed successfully	
	The Profile has been saved	
Г	Finish wizard	
	C Select another action to perform	
	D I I	

Copying Network Profiles to the Camera / Infrastructure Networks

**14** Turn the camera off and disconnect the USB cable.





The network profile has now been copied to the camera. Proceed to "Connecting to the FTP Server" (pg.140).

