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Camera Settings When Connected to a PC

When the camera is connected to a PC by a USB or serial cable, or by LAN, depending on the PC or network environment, the camera may not function properly unless the settings are changed. This section deals with how to change the camera settings.

Setting the PC Connection Environment

If the PC and the camera are directly connected (by a USB or serial cable), it is necessary to set their mutual IP addresses in order to send and receive data.

- Note**
- The 2 addresses set in this section are local addresses only used between the camera and the PC when they are directly connected.
 - The [IP ADDRESS: PC] and [IP ADD: RDC-i700] settings are only valid when the camera is connected to a Macintosh. They are invalid when the camera is connected to a PC running Windows. (This setting is not required in the case of Windows.)

● CONNECT SPEED (Speed Setting)

When the camera is connected to a PC by a serial cable, set the transmission speed. If communication is unstable, set a slower speed.

● IP Address: PC

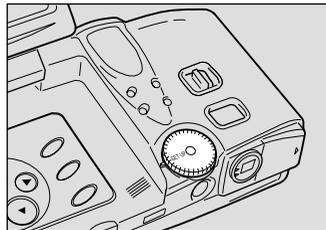
This is the IP address for the PC to which the camera is connected. The setting is in the form of [xxx.xxx.xxx.xxx] (each xxx being a figure from 0 to 255). The factory default setting is [192.168.187.183].

● IP ADD: RDC-i700

This is the camera's own IP address. The factory default setting is [192.168.187.184].

1 Set the mode dial to [SETUP].

The Setup menu will be displayed.



2 Select [PC CONNECTION].

The screen for setting the PC connection will be displayed.



3 Set each item.

- See** • “Using the On-screen Keypad” in the ‘Camera’ operation manual



4 When you have finished making the settings, select [OK].

The settings are completed and the screen returns to the Setup menu.

Setting the Network Environment

If you have connected the camera to a network using a LAN connection PC card, set the host name and various other addresses in order to send and receive data between the camera and other LAN equipment or a network.

When the camera leaves the factory, the settings are relatively common settings so normally there is no need to change the settings.

If transmission between the camera and the PC does not go smoothly, or if you wish to fix the camera's IP address, change the settings.



- If you change the IP address from [0.0.0.0] to another address, turn the power off and then turn it on again.

● HOST NAME (RDC-i700 Host Name)

This is the camera's name on the network. The factory default setting is blank. You can set the name at will.

● DNS SERVER ADD. (Domain Name Server Address)

Set the domain name server (DNS) address. The factory default setting is blank. If there is a domain name server on the network, set the address.

● GATEWAY ADD. (Gateway Address)

Set the gateway address. The factory default setting is blank. If there is a gateway on the network, set the address of the gateway.

● RDC-i700 IP ADDRESS

This is the camera's own IP address. The factory default setting is [0.0.0.0]. When set on [0.0.0.0], the IP address is obtained automatically from the network equipment (router, etc.) using DHCP.

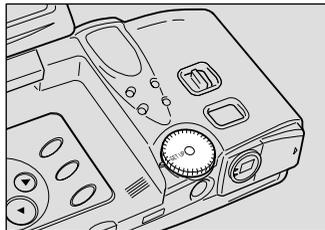
If you wish to fix the camera's IP address, change the address. At this time, the first 2 or 3 or the 4 figures separated by dots "." must be the same as the network address of the network that you use. For further details, consult your network administrator.

● SUBNET MASK

This is the setting for network control. The factory default setting is blank.

1 Set the mode dial to [SETUP].

The Setup menu will be displayed.



2 Select [NETWORK].

The screen for setting the network environment will be displayed.



3 Set the various items.

- See** • “Using the On-screen Keypad” in the ‘Camera’ operation manual.



4 When you have finished making the settings, select [OK].

Setting is completed and the screen returns to the Setup menu.

Error Messages

In the case of misoperation or of failure due to some problem or other, an error message will be displayed. This section deals with the causes and remedies of problems.

- Note** • This section explains the error messages displayed on the PC screen. For details of the error messages displayed on the camera monitor, refer to the 'Camera' operation manual and 'Communication/Internet' operation manual.

Error Messages Displayed on the Web Browser

These error messages are displayed when accessing the camera on the Web browser.

■ Common Error Messages

Error Message	Cause and Remedy
400 Bad Request	Error occurred in transmission of data between browser and camera. Check connection and perform operation again.
404 Not Found	Error occurred in transmission of data between browser and camera. Check connection and perform operation again.
405 Method Not Allowed	Error occurred in transmission of data between browser and camera. Check connection and perform operation again.
500 Internal Server Error	Error occurred inside server. Check connection and perform operation again.

■ Error Messages Displayed on Camera Control Screen

Error Message	Cause and Remedy
Internal Error	Error has occurred in transmission of data between browser and camera. Click on [Back] button, check connection and perform operation again.
No PCMCIA Card	PC card has been specified as recording destination, but no card has been inserted. Click on [Back] button.
No CF Card	CF card has been specified as recording destination, but no card has been inserted. Click on [Back] button.

Error Message	Cause and Remedy
PCMCIA Card write-protected	PC card has been specified as recording destination, but card is write-protected. Click on [Back] button and let PC card write-enabled.
CF Card write-protected	CF card has been specified as recording destination, but card is write-protected. Click on [Back] button and let PC card write-enabled.
Card Error	Specified card cannot be used as recording destination. Click on [Back] button.
Memory full	Storage memory (internal memory, PC card or CF card) is full and no further recording is possible. Click on [Back] button.
Recording file Error	Error has occurred in recorded image. Click on [Back] button, check connection and perform operation again.

■ Error Messages Displayed on JOB Navi. Setup Screen

Error Message	Cause and Remedy
Input upload file name	[Transfer] button was clicked without specifying file name for [Browse...] .
File read Error	Invalid file selected for [Browse...]. Select Guide List or HTML template file.
Cannot read file anymore	Limit has been reached of number of Guide Lists or HTML templates capable of being saved in camera. Or no more space in memory for downloading files. Delete unwanted Guide Lists or HTML templates.
Cannot add list anymore	Upper limit of number of Guide Lists has been reached. Delete unwanted Guide Lists.
No PCMCIA Card installed	Cannot view contents of PC card as no card inserted.
No CF Card	Cannot view contents of CF card as no card inserted.
PCMCIA Card write-protected	Write-protected PC card has been inserted. Click on [Back] and let PC card write-enabled.
CF Card write-protected	Write-protected CF card has been inserted. Click on [Back] and let PC card write-enabled.
File saving failed.	Storage memory (internal memory, PC card, CF card) is full and recording process failed. Delete unnecessary files or insert another storage memory.
Cannot add image anymore	Upper limit of number of images in Guide List has been reached. Delete unwanted images.
Input image title	No image title entered. Specify image title.
Same name image already exists	Image with same title already exists. Change image title.

Error Message	Cause and Remedy
Same name template already exists	HTML file with same name already exists. Change file name.
Too long file name (within 32 characters)	File name must be within 32 characters. Change file name.

■ Error Messages Displayed on Setup Screen

Error Message	Cause and Remedy
Input upload file name	[Transfer] button was clicked without specifying file name for [Browse...] .
File read Error	Invalid file selected for [Browse...]. Select file from address book.
Cannot add Address anymore	Upper limit of number of addresses in address book has been reached. Delete unwanted addresses.
Cannot add Template anymore	Upper limit of number of templates has been reached. Delete unwanted templates.
Cannot add Dial-up anymore	Upper limit of number of dial-up accounts has been reached. Delete unwanted account.
Complete required information	No entry made in required item. Input entry.
Out of range: this value cannot be used	Number outside scope specified in item. Specify correct number.
File saving failed.	Storage memory (internal memory, PC card, CF card) is full and recording process failed. Delete unnecessary files or insert another storage memory.
Same dial-up name already exists. Change name.	Specified dial-up account has been already registered. Use another dial-up account.
Same name already exists. Change name.	Specified name has been already registered. Use another dial-up account.
No data in address book.	Address book has not been registered and backup file can not be made. Register address book and retry operation.

■ Error Messages Displayed on Setting Backup/Restoring Screen

Error Message	Cause and Remedy
Backup failed	Failed to create backup file due to lack of memory, etc. Close other applications and try again.
Input file parameter	Attempted to restore settings without specifying file name. Select file.
File read Error	Invalid file selected. Select correct backup file.
File restore Failed	Failed to restore backup file due to lack of memory, etc. Close other applications and try again.
File write Error	Storage memory (internal memory, PC card, CF card) is full and recording process failed. Delete unnecessary files or insert another storage memory.

Other Error Messages

These error messages are displayed by the software, such as the expansion functions, TWAIN driver, direct upload, etc.

Error Message	Cause and Remedy
Other application is accessing to the camera. Would you like to wait?	More than one software attempted to send and receive data with camera. Wait a short while.
Incompatible version of NpxComm.dll. Please reinstall.	Problem file installed. Reinstall RDC-i700 Explorer Plug-In from CD-ROM supplied.
Not connected to RDC-i700. Please check connection.	Camera not correctly connected. Check connection.
Timeout: Access to RDC-i700 terminated.	Camera not correctly connected. Check connection.
Cannot read from Flash Memory	Insufficient memory in PC. Reboot PC and perform operation without starting up other applications.
Cannot write to Flash Memory	Specified drive, folder or file already erased.
Drive is not formatted	Specified drive unformatted. Format.
Failed to access to the drive	Error has occurred in sending and receiving data with PC. Restart camera.
This drive cannot be formatted	Specified drive cannot be formatted. Restart camera and try again.

Error Message	Cause and Remedy
This drive is read-only	Specified drive is write-prohibited. Cancel write protection.
Illegal file name	Incorrect file name specified when copying/moving. Specify correct file.
No space in the drive	Copying/Moving not possible as drive is full. Delete unwanted files.
Already contents same file name	File name specified when copying/moving already exists. Specify different file name.
Too deep folder tree	Cannot create folder as folder layers too deep. Make layers more shallow.
Failed to delete	Deletion of specified file prohibited.
This file / folder cannot be transferred	Transfer of specified file/folder prohibited.
This file name is used by RDC-i700	Folders in a PC cannot be transferred to RDC-i700. Create a folder in RDC-i700 first and then transfer files in the folders of the PC.
Cannot move file to RDC-i700 system folder	Transfer of specified folder prohibited.
Folders cannot be added anymore	Limit of number of folders has been reached. Delete unwanted folders.
Internal Error	Error has occurred. Restart camera. If error persists, reinstall RDC-i700 Explorer Plug-In from CD-ROM supplied.
This folder already contain a file named **	File name specified when copying/moving already exists. To overwrite, click on [OK].
This folder already contain a read-only file named **	File name specified when copying/moving already exists. To overwrite, click on [OK].
Cannot connect to RDC-i700. Please check connection.	Camera not correctly connected. Check connection.
Communication failed. Please check connection.	Camera not correctly connected. Check connection.
Please choose the image to transfer	Attempted to execute transfer without selecting image file. Select image file before transferring.

Error Message	Cause and Remedy
Insufficient memory: Please close other applications.	Insufficient memory in PC. Reboot PC and perform operation without starting up other applications.
Cannot access ○ ○	Drive has not been ready to access, or folder or file does not exist.
TWAIN ERROR	Error occurred in TWAIN.DLL. Reinstall TWAIN driver from CD-ROM supplied.  • The TWAIN driver for Windows is found in the "RDC-i700 Explorer Plug-In folder"
Failed to initialize Windows Socket	Error occurred when creating Windows socket. Reinstall WinSock.
Failed to receive Socket Data	Camera not correctly connected or set. Check camera connection and settings.
Failed to send Socket Data	Camera not correctly connected or set. Check camera connection and settings.  • The TWAIN driver for Windows is found in the "RDC-i700 Explorer Plug-In folder"
Failed to create Socket	Error occurred when creating Windows socket. Reinstall WinSock. Reset port.
Cannot find necessary DLL	Failed to initialize software. Reinstall signature transfer software from CD-ROM supplied.  • The TWAIN driver for Windows is found in the "RDC-i700 Explorer Plug-In folder"
Cannot connect to RDC-i700	Camera not correctly connected or set. Check camera connection and settings.
Cannot communicate with RDC-i700	Camera not correctly connected or set. Check camera connection and settings.
Cannot transfer: this file is either too large or unknown format	Specified file not in format capable of being used as signature. Select file in correct format.
Cannot read the file	Insufficient memory in PC. Reboot PC and perform operation without starting up other applications.
No selected file	Select BMP format file or GIF format file first and than transfer signature file.
Set up RDC-i700 property	IP address has not been set in RDC-i700. Set IP address by opening RDC-i700 property by using Internet Explorer.
Select a signature file	Setting of transferring signature file has been set to auto for all files. Select more than one signature file.
Fail to transfer signature file Reconfirm connection and retransfer	RDC-i700 has not been correctly connected to a PC. Check connection.

Troubleshooting

When setting of the USB driver can not be correctly recognized, please make the following operations.

Restoring the Device Which Could not be Used anymore

① Connect the camera to the PC using the USB cable and turn the camera on.

② Start the device manager.

[For Windows 98]

Select [Settings] → [Control Panel] from the [Start] button. Double click on the [System] icon in the window that opens. Select the [Device Manager] tab from the [System Properties] dialog box.

[For Windows 2000]

Select [Settings] → [Control Panel] from the [Start] button. Double click on the [System] icon in the window that opens. Select the [System Properties] tab from the [Hardware] dialog box.

③ Check whether the “!” mark is displayed meaning that the device manager is disabled for [RICOH Camera Port] or [Universal Serial Bus Controller] of [Ports (COM/LPT)] .

④ Specify the “!”-marked device and click [Delete].

The confirmation message will be displayed. Click [OK].

⑤ Turn off both the camera and PC.

⑥ Remove the USB cable from the PC.

⑦ Uninstall the USB driver.



• To uninstall the USB driver, refer to page 14 “Installing the USB Driver”.

⑧ Install the USB driver again.

Checking the Proxy Server

When you can not connect to the camera by controlling the browser, please make the following procedures to check the proxy server settings.

For Internet Explorer (Version 5.x)

- 1 Right-click on the [Internet Explorer] icon on the desktop and then click on [Properties].
- 2 Click on the [Connections] tab.
- 3 Click on the [LAN Settings...].



- 4 Click on the checkbox for [Use a proxy server] under [Proxy Server] if it is checked.



Installing the Dial-Up Adapter

When the dial-up adapter has not been displayed in the Network Component dialog, install the dial-up adapter in the following procedure.

- ➊ **Right-click on the [Network Neighborhood] icon on the desktop and then click on [Properties].**
- ➋ **Click on the [Configuration] tab and then click [ADD].**
The [Select Network Component Type] window will be displayed.
- ➌ **Select [Adapter] and click on [Add...].**
- ➍ **Select [Microsoft] for Manufacturers and click on [Dial-Up Adapter] for Network Adapter.**
- ➎ **Click on [OK].**
- ➏ **Restart the computer.**

The dial-up adapter is now added in the Network Component dialog. Then, install the dial-up server software. → P.148

Checking the Dial-Up Settings

When the dial-up server does not operate properly despite the correct configuration for the receiving PC for Direct Upload, check the dial-up settings in the following procedure.

For Internet Explorer (Version 5.x)

- 1 Right-click on the [Internet Explorer] icon on the desktop and then click on [Properties].
- 2 Click on the [Connections] tab.
- 3 Click on [Never dial a connection] for [Dial-up settings].

When a PC has received mail with [Always dial my default connection] checked, the dial-up dialog (dial-up request dialog) will be displayed preventing from data communication.



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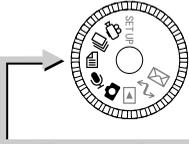
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Recording Mode (📷, 🎤, 📄, 💻, 📹)



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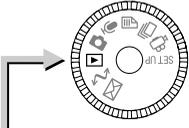


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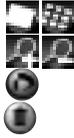


→ BRIGHTNESS CONTROL (only in Text mode)	Camera	P.81
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◆ MENU Button



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PC Mode (↔)

Connecting to a Personal Computer



Communication Mode (✉)



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Declaration of Conformity

“The Product complies with the requirements of the EMC Directive 89/336/EEC.”

INFORMATION TO THE USER

USA FCC Part15 Class B

The equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. In this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. (FCC 15.105B)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. (FCC 15.21) Properly shielded and grounded cables and connectors must be used for connection to a host computer in order to comply with FCC emission limits. (FCC 15.27) An AC adapter with a ferrite core must be used for RF interference suppression.

COMPLIANCE INFORMATION STATEMENT

Product Name: IMAGE CAPTURING DEVICE

Model Number: RDC-i700

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

RICOH CORPORATION

5 Dedrick Place, West Caldwell NJ, 07006 Tel.: 1-800-225-1899

Note to Users in Canada

Note: This Class B digital apparatus complies with Canadian ICES-003

Remarque Concernant les Utilisateurs au Canada

Avertissement: Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada

IMPORTANT SAFETY INSTRUCTIONS-SAVE THESE INSTRUCTIONS DANGER-TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

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