

# Chapter 6

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## Using the Extension Functions

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# Using the RDC-i Explorer Plug-In

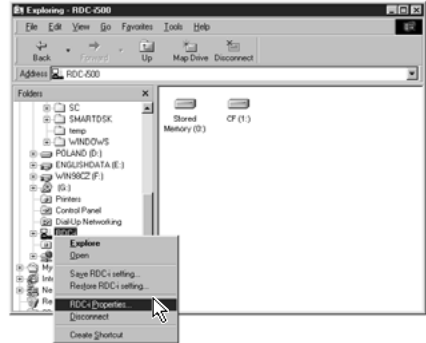
If you have installed the RDC-i Explorer Plug-In on Windows, you can copy the camera data into the PC and make a backup file of the camera settings in the PC.



- The flash lamp (red) blinks during transmission of data to the PC except when the camera is connected to a LAN. Do not disconnect the cable or turn off the camera during transmission as the camera or the PC may be affected. If the cable is disconnected during transmission, turn the camera and the PC on again.
- If possible, use an AC adapter and avoid powering the camera by the battery. If the power fails during operation, the camera and the PC may be affected.
- You can read and write freely in the files in the camera's storage memory with Explorer or Desktop. However, you cannot write in the camera's storage memory from the application. First save the files in the PC disk and then copy them by using Explorer.
- The RDC-i icon is not connected to the camera, but is normally mounted in the folder display area. If you try to access RDC-i when the camera is not connected to the PC, a connection error will result.
- The non-compressed still images are saved in a specific TIFF file format. The generic graphics applications therefore may not open those files when you transfer them from the camera to a PC by using the RDC-i Explorer Plug-In. In this case, use the TWAIN function (P.140) to open the TIFF files.

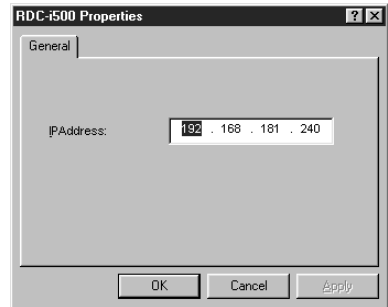
- 1 Connect the camera correctly to the PC and set the camera's mode dial to [↖]. Then turn the camera and the PC on.**
- 2 Select [Windows Explorer] under [Programs] in the [Start] menu.**  
Explorer will start up.
- 3 Move the pointer to [RDC-i] on the left of the window and click the right button.**  
The menu will be displayed.

**4** Click on [RDC-i Properties...].



The window for setting the camera's IP address will be displayed.

**5** Input the figures displayed on the camera's LCD monitor (4 figures separated by ".").



**6** Click [OK].

The camera is now detected by the PC.

If you click [+ ] on the left of [RDC-i], the camera's storage memory will be displayed. You can then open, copy or delete a folder or file in the same way as with an ordinary disk.

Normally, images are saved in [100ricoh] in the [DCIM] folder.

When disconnecting the camera with a PC or turning off the camera, select [Disconnect] from the [RDC-i] menu.



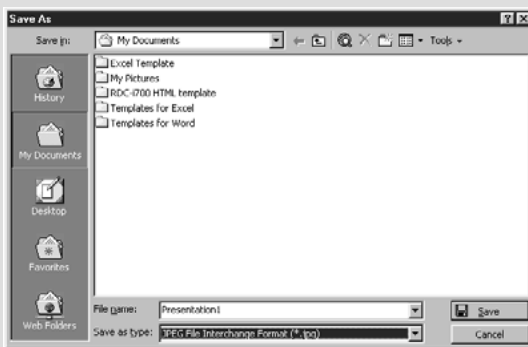
- You can change the folder name in the storage memory using RDC-i Explorer Plug-In, but unless you change the file name based on the DCF format, the folder will not be recognized properly by the camera. The folder name will not be recognized by the camera unless it is 3 figures followed by 5 letters, as in [100RICOH].
- If you change a folder name on the CF card using RDC-i Explorer Plug-In, or use the CF card on another camera, the folder name may fail to be read and the stored images may fail to be downloaded.

- Note** • You can handle the camera's storage memory in the window displayed by double clicking [My Computer].



## Using the Microsoft Power Point Presentation Data

If you copy the presentation data created using Microsoft Power Point in the camera, you can do a presentation anytime anywhere. Save the presentation data created on Power Point in [JPEG File-Interchange Format].



If you save the data in this format, a new folder will be created and each page of the presentation data will be saved in the folder as a JPEG image file. Then copy all files (pages) in the folder to a certain folder in the camera's 'DCIM' folder by using the RDC-i Explorer Plug-In.

If you later select the folder on the camera and play it in auto mode, you can make a presentation only with a camera.

When you insert the card used on the camera into a PC and copy the images used for the presentation on it, they may not be properly displayed on the LCD monitor of the camera.

# Using the RDC-i Mounter

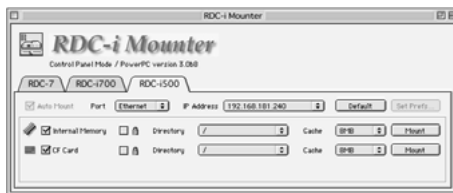
By installing the RDC-i Mounter in Macintosh, you can copy data and make a backup file of the camera in a PC.



- The flash lamp (red) blinks during transmission of data to the PC except when the camera is connected to a LAN. Do not disconnect the cable or turn off the camera during transmission as the camera or the PC may be affected. If the cable is disconnected during transmission, turn the camera and the PC off and then turn them on again.
- If possible, use an AC adapter and avoid powering the camera by the battery. If the power fails during operation, the camera and the PC may be affected.
- In the Finder, you can read the files stored in the camera storage memory or store them in the memory, but can not store them in the camera storage memory using the PC application. When you want to play files created using the PC application, save them in the PC disk and copy them to the camera in the file name format of '8 letters + extension'.
- The non-compressed still images are saved in a specific TIFF file format. The generic graphics applications therefore may not open those files when you transfer them from the camera to a PC by using the RDC-i Mounter. In this case, use the TWAIN function (P.140) to open the TIFF files. The images transferred from the camera to a PC by using this TWAIN function will be converted to the generic TIFF files.

**1** Connect the camera correctly to the PC and set the camera's mode dial to [M]. Then turn the camera and the PC on.

**2** Select [RDC-i Mounter] from [Control Panels] in the Apple menu. The following window will be displayed.



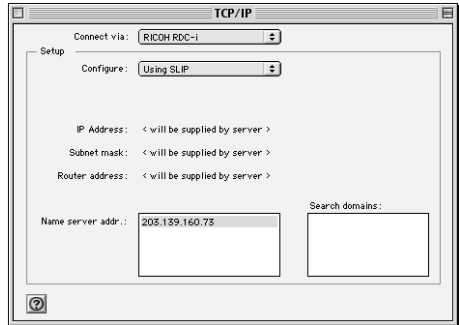
**3** Select [Port].

If you are using a USB connection, select [USB] and if you are using a LAN connection, select [Ethernet].

**4 Select [TCP/IP] from [CONTROL PANEL] in the Apple menu, and set as below depending on the connection method.**

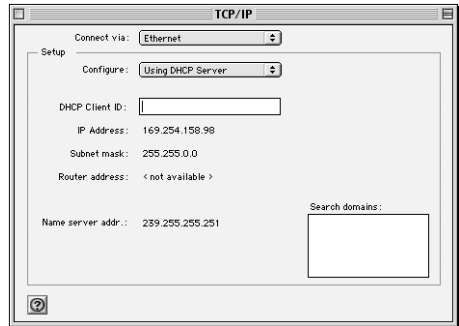
**● USB Connection**

- When your Macintosh is set to be connected to the Internet using PPP, select [RICOH RDC-i] for [Connect via].
- When your Macintosh is set to be connected to the Internet via the network, select [Ethernet] for [Connect via].
- When not using the cases above, select [RICOH RDC-i] for [Connect via].



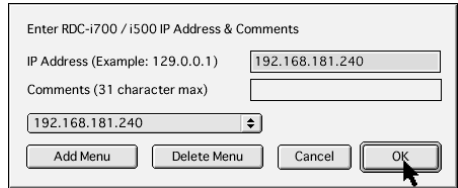
**● LAN Connection**

Select [Ethernet] for [Connect via].



When setting is complete, close the TCP/IP control panel.

- 5 In the case of LAN Connection, click on [IP Address] in the RDC-i Mounter control panel, and select [IP Address Setting]. Enter the IP address (dot-separated four numbers) on the LCD monitor of the camera, and click [OK].



- 6 Click on [Mount] for the storage memory you wish to connect.

The camera icon will be displayed on the desktop.

- Note**
- By designating the directory, you can change the folder mounted on the desktop.
  - If you are using a USB connection and you select [Auto Mount], mounting will be performed automatically when the camera is connected.

You can then open, copy and delete the folders and files.

When you no longer need the connection, click on [Unmount] in the RDC-i Mounter control panel or drag the camera icon and drop it in the [Trash].



- You can change the folder name in the storage memory using the RDC-i Mounter, but unless you change the file name based on the DCF format, the folder will not be recognized normally by the camera. The folder name will not be recognized by the camera unless it is in 3 figures followed by 5 letters, as in [100RICOH].
- Specify the file name in 8 characters + extension ([.] + 3 characters).
- If you change the folder name on the CF card using the RDC-i Mounter or use the CF card on another camera, the folder name may become unreadable or the files saved on the card may become unreadable.
- If you are connecting to the Internet selecting [PPP] for [Connect via] at TCP/IP control panel, changing to [RDC-i] for [Connect via] will disable the connectivity to the Internet. To connect to the Internet, select [PPP] for [Connect via].

# Making a Backup File of the Camera Settings

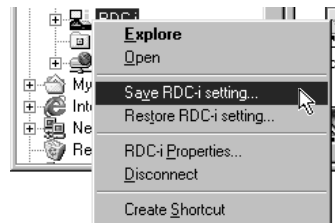
This section explains how to [SAVE SETTING DATA] to make a backup file of all the information currently set in the camera (all information other than recorded images and motion pictures, voice memo data, etc.), and how to [RESTORE SETTING DATA] to restore the backup information to the camera.

- Note**
- Use this function in the following cases:
    - When you wish to make a backup file of camera settings in case of accident or misoperation
    - When you wish to have joint possession of the settings (in this case, make a backup file, then connect another camera and restore the backup settings to the other camera)
    - When several people are using the same camera (each user should make their own settings in advance, then a backup file should be made and the settings changed by restoring each time the user changes)

## Making a Backup File

### ■ For Windows

- ① **Connect the camera correctly to the PC and set the camera's mode dial to [M]. Then turn the camera and the PC on.**
- ② **Select [Windows Explorer] under [Programs] in the [Start] menu.**  
Explorer will start up.
- ③ **Click on the [RDC-i] icon with the right button and select [Save RDC-i setting...] from the menu displayed.**



The dialog box for specifying the location and file name will be displayed.

- ④ **Specify the location and file name and then click on [Save].**  
The settings are now saved in the PC.

- Note** • In this section, the explanation uses the method of clicking the right button, but the function can also be selected from the Explorer [File] menu.

## ■ For Macintosh

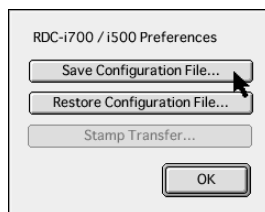
In the case of Macintosh, [Save Configuration File...] and [Restore Configuration File...] are performed using the [SETUP MENU] application.

- 1 **Connect the camera correctly to the PC and set the camera's mode dial to [M]. Then turn the camera and the PC on.**
- 2 **Select [RDC-i Mounter] in [Control Panels] from the Apple menu.**  
The RDC-i Mounter window will be displayed.
- 3 **Click on [Set Prefs...].**

- Note** • You cannot click on [Set Prefs...] unless one of the storage memories has been mounted. If the storage memory has not been mounted, mount it first (P.133).
- Depending on the connection method and conditions, the screen for inputting the camera's IP address may be displayed. In this case, input the IP address displayed on the camera's LCD monitor.

The selection screen will be displayed.

- 4 **Select [Save Configuration File...].**



The dialog box for specifying the location and file name will be displayed.

- 5 **Specify the location and file name and then click on [Save].**  
The settings are now saved in the PC.

# Restoring the Backup Settings to the Camera

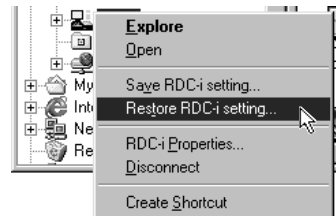
This function enables you to restore the camera backup settings saved on a PC disk to the camera.



- When this function is executed, all the other current camera settings are erased.

## ■ For Windows

- 1 **Connect the camera correctly to the PC and set the camera's mode dial to [M]. Then turn the camera and the PC on.**
- 2 **Select [Windows Explorer] under [Programs] in the [Start] menu.**  
Explorer will start up.
- 3 **Click on the [RDC-i] icon with the right button and select [Restore RDC-i setting...] from the menu displayed.**



The dialog box for selecting the file for downloading will be displayed.

- 4 **Select the file and then click on [Open].**  
The selected settings are now transferred to the camera.
- 5 **Turn off the camera and turn it on again about 10 seconds later.**  
You can now use the camera with the transferred settings.



- In this section, the explanation uses the method of clicking with the right button, but the function can also be selected from the Explorer [File] menu.

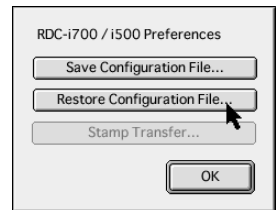
## ■ For Macintosh

- 1 **Connect the camera correctly to the PC and set the camera's mode dial to [A].** Then turn the camera and the PC on.
- 2 **Select [RDC-i Mounter] from [Control Panels] in the Apple menu.**  
The RDC-i Mounter window will be displayed.
- 3 **Click on [Set Prefs...].**

- Note**
- You can click on [Set Prefs...] if one of the storage memories has been mounted. If the storage memory has not been mounted, mount it first (P.133).
  - Depending on the connection method and conditions, the screen for inputting the camera's IP address may be displayed. In this case, input the IP address displayed on the camera's LCD monitor.

The selection screen will be displayed.

- 4 **Select [Restore Configuration File...].**



The dialog box for selecting the file for downloading will be displayed.

- 5 **Select the file and then click on [Open].**  
The selected setting data is now transferred to the camera.
- 6 **Turn off the camera and turn it on again about 10 seconds later.**  
You can now use the camera with the transferred settings.

# Using the TWAIN Function

If you use the TWAIN function, you can download, display and edit images recorded in the camera directly from the application software. However, the TWAIN function can only be used on application software that is compatible with TWAIN.

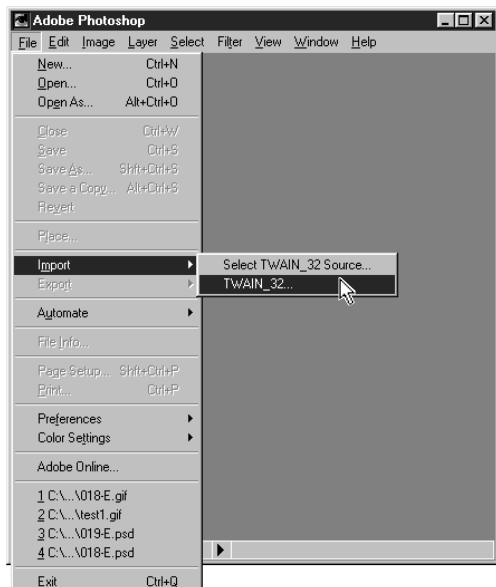
- Note**
- In general, most graphic application software is compatible with TWAIN.
  - The non-compressed still images are saved in a specific TIFF file format. The generic graphics applications therefore may not open those files when you transfer them from the camera to a PC by using the RDC-i Explorer Plug-In and RDC-i Mounter. In this case, use the TWAIN function to open the TIFF files. The images transferred from the camera to a PC by using this TWAIN function will be converted to the generic TIFF files.

## For Windows

This section explains how to use the TWAIN function on a PC running Windows.

- 1 Check that the camera is properly connected to the PC, that the camera is turned on, and that the camera's mode dial is set to [M].**
  - 2 Start up the TWAIN-compatible application software on the PC.**
- The instructions given here are based on [Adobe Photoshop] application software.
- 3 Select [TWAIN\_32...] from the [Import] menu under [File] menu.**

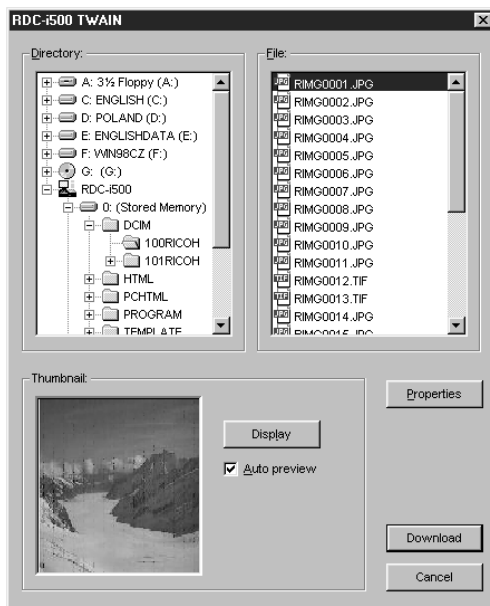
The names of the functions in the menu may differ depending on the application software. For further details, refer to the operation manual for the application software.



- **Note** If you have connected several items of TWAIN-compatible equipment, it is necessary to select which TWAIN equipment you will use before performing the operation described on the previous page (the camera uses [RDC-i TWAIN]). Use the function titled [Select TWAIN\_32 Source...] or similar. In most cases, this item is found next to [TWAIN\_32...]. For further details, refer to the operation manual for the application software.
- Depending on the connection method and conditions, the screen for inputting the camera's IP address may be displayed. In this case, input the IP address displayed on the camera's LCD monitor.

The screen for selecting the storage memory, folder and file will be displayed. (Depending on the application software, there may be the additional procedure of specifying the file format.)

**4 Select the storage memory and folder, and then select the image you wish to download from the list of files displayed and click on [Download].**



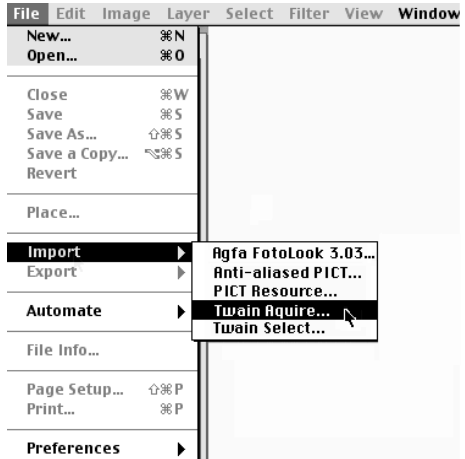
The selected image will be downloaded and displayed on the screen.

- **Note** If you click on [Display] in the thumbnail area, you can check a compressed view of the selected image.
- If you attach a check mark to [Auto Preview], a compressed view of the selected image will automatically be displayed.
- You can change the camera's IP address by clicking on [Properties].

# For Macintosh

This section explains how to use the TWAIN function on a Macintosh.

- 1 **Check that the camera is properly connected to the PC, that the camera is turned on and that the camera's mode dial is set to [↻].**
- 2 **Mount the storage media of the camera to which you want to download using the RDC-i Mounter.**  
Instructions on how to mount the camera media, see "Using the RDC-i Mounter" (P.131).
- 3 **Start up the application software compatible with TWAIN on the PC.**  
The explanation given here is based on [Adobe Photoshop] application software.
- 4 **Select [TWAIN Aquire...] from the [File] menu.**  
The names of the functions in the menu may differ depending on the application software. For further details, refer to the operation manual for the application software.



- Note** • If more than one item of TWAIN-compatible equipment has been connected, it is necessary to select which TWAIN equipment you will use before performing the operation described above (the camera uses [RDC-i TWAIN]). Use the function titled [Select TWAIN Select...] or similar. In most cases, this item is found next to [TWAIN Aquire...]. For further details, refer to the operation manual for the application software.

- Depending on the connection method and conditions, the screen for inputting the camera's IP address may be displayed. In this case, input the IP address displayed on the camera's LCD monitor.

The following will be displayed.



**5 Click on [Select Folder...].**

The dialog box will be displayed to select a folder.

**6 Click on [DESKTOP], select a camera's storage memory, select the target folder and click on [Select].**

The image list in the selected folder will be displayed.



**7 Double click the target image.**

The selected image will be downloaded and displayed on the screen.

