Chapter 6

Using the Extension Functions

Using the RDC-i700 Explorer Plug-In

If you have installed the RDC-i700 Explorer Plug-In (Windows) or the RDC-7/i700 Mounter (Macintosh), you can copy the camera data into the PC and make a backup file of the camera settings in the PC.
This section explains how to use the Windows RDC-i700 Explorer Plug-In.

Important Note

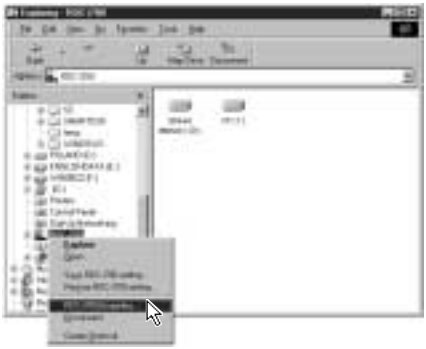
- The flash lamp (red) blinks during transmission of data to the PC except when the camera is connected to a LAN. Do not disconnect the cable or turn off the camera during transmission as the camera or the PC may be affected. If the cable is disconnected during transmission, turn the camera and the PC 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-i700 icon is not connected to the camera, but is normally mounted in the folder display area. If you try to access RDC-i700 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-i700 Explorer Plug-In. In this case, use the TWAIN function (P.142) 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.

❶ Connect the camera correctly to the PC and set the camera's mode dial to [↜]. Then turn the camera and the PC on.

❷ Select [Windows Explorer] under [Programs] in the [Start] menu.
Explorer will start up.

❸ Move the pointer to [RDC-i700] on the left of the window and click the right button.
The menu will be displayed.

❹ Click on [RDC-i700 Properties...].



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

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

❻ Click [OK].

The camera is now detected by the PC.

If you click [+] on the left of [RDC-i700], 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 wiith a PC or turning off the camera, select [Disconnect] from the [RDC-i700] menu.

Important Note

- You can change the folder name in the storage memory using RDC-i700 Explorer Plug-In, but unless you change the file name based on the DCF format, the folder will be downloaded 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-i700 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].

Tips

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-i700 Explorer Plug-In. (You cannot copy the folder itself including files.)
If you later select the folder on the camera and play it in auto mode, you can make a presentation only with a camera.
Further, you can also remove specific images or rearrange the order using the camera's presentation function.

Using the RDC-7/i700 Mounter

By installing the RDC-7/i700 Mounter in Macintosh, you can copy data and make a backup file of the camera in a PC.

Important Note

- 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 and write freely in the files in the camera's memory. (However, you cannot write in the camera's memory from the application.) If you want to play the files you have written in on the camera, change the file name format to '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-i700 Explorer Plug-In. In this case, use the TWAIN function (P.142) to open the TIFF files. The images transferred from the camera to a PC by using this TWAIN functon will be converted to the generic TIFF files.

❶ Connect the camera correctly to the PC and set the camera's mode dial to [↜]. Then turn the camera and the PC on.

❷ Select [RDC-7/i700 Mounter] from [Control Panels] in the Apple menu.

The following window will be displayed.

❸ Select [Port].

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

❹ Select [TCP/IP] from [Control Panels] in the Apple menu and make the following settings depending on the connection method.

● **USB Connection**

Select [RICOH RDC-i700] as [Connect via].

● **Serial Connection**

Select [RICOH RDC-i700] as [Connect via] and select [Using SLIP] under [Configure].

● **LAN Connection**

Select [Ethernet] as [Connect via].

When you have finished making the setting, close the TCP/IP control panel.

❺ For a LAN connection, click on the [IP Address] menu in the RDC-7/i700 Mounter control panel and select [Set IP Address...]. Input the figures displayed on the camera's LCD monitor (4 figures separated by ".") and click [OK].

❻ Click on [Mount] for the storage memory you wish to connect.
The camera icon will be displayed on the desktop.

Note
- If the storage memory has not been mounted, mount it first.
- 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.
- If you are using a serial connection and transmission is unstable, try setting a lower [Speed] on the RDC-7/i700 Mounter control panel.

You can then open, copy and erase the folders and files.
When you no longer need the connection, click on [Unmount] in the RDC-7/i700 Mounter control panel or drag the camera icon and drop it in the [Trash].

Important Note
- You can change the folder name in the storage memory using the RDC-7/i700 Mounter, but unless you change the file name based on the DCF format, the folder will not be downloaded 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].
- If you change the folder name on the CF card using the RDC-7/i700 Mounter or use the CF card on another camera, the folder name may become unreadable or the photographs saved on the card may not be downloaded.

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 [RESAVE 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)

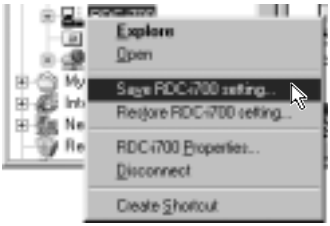
Making a Backup File

■ For Windows

❶ Connect the camera correctly to the PC and set the camera's mode dial to [↝]. Then turn the camera and the PC on.

❷ Select [Windows Explorer] under [Programs] in the [Start] menu.
Explorer will start up.

❸ Click on the [RDC-i700] icon with the right button and select [Save RDC-i700 setting...] from the menu displayed.



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

❹ 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.

❶ Connect the camera correctly to the PC and set the camera's mode dial to [↝]. Then turn the camera and the PC on.

❷ Select [RDC-i700 Mounter] in [Control Panels] from the Apple menu.

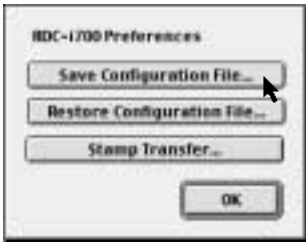
The RDC-7/i700 Mounter window will be displayed.

❸ 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.131).
• 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.

❹ Select [Save Configuration File...].



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

❺ Specify the location and file name and then click on [Save].

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.

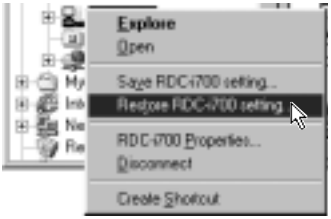
Important Note
- When this function is executed, all the other current camera settings are erased.

■ For Windows

❶ Connect the camera correctly to the PC and set the camera's mode dial to [↝]. Then turn the camera and the PC on.

❷ Select [Windows Explorer] under [Programs] in the [Start] menu.
Explorer will start up.

❸ Click on the [RDC-i700] icon with the right button and select [Restore RDC-i700 setting...] from the menu displayed.



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

❹ Select the file and then click on [Open].
The selected settings are now transferred to the camera.

❺ Turn off the camera and turn it on again about 5 seconds later.
You can now use the camera with the transferred settings.

Note
- 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

❶ Connect the camera correctly to the PC and set the camera's mode dial to [↜]. Then turn the camera and the PC on.

❷ Select [RDC-7/i700 Mounter] from [Control Panels] in the Apple menu.

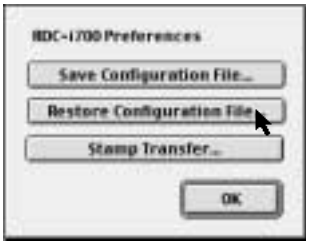
The RDC-7/i700 Mounter window will be displayed.

❸ 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.131).
- 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.

❹ Select [Restore Configuration File...].



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

❺ Select the file and then click on [Open].

The selected setting data is now transferred to the camera.

❻ Turn off the camera and turn it on again about 5 seconds later.

You can now use the camera with the transferred settings.

Transferring a Signature File

This section explains the [TRANSFER SIGNATURE] function for transferring a signature file created on the PC to the camera.

Note • Signature files must be made using the paint application software.

Signature File

There are 3 kinds of signature data of different sizes for use in any image quality mode. The 3 kinds are: for 2048 × 1536, for 1024 × 768 and for 640 × 480. The optimum signature effect in any image quality mode can be obtained by making an image file for each of the 3 image quality modes and transferring them to the camera. For example, if you want to make a rectangular signature to cover 1/8 vertically × 1/8 horizontally of the image, make a rectangular image file 256 × 192 for 2048 × 1536, make a rectangular image file 128 × 96 for 1024 × 768, and 80 × 60 for 640 × 480.

However, if you only shoot in image quality mode 2048 × 1536, it is bothersome to make image files for 1024 × 768 and 640 × 480. At such times, only make an image file for 2048 × 1536. In this case, the data for 1024 × 768 and 640 × 480 will be made automatically. Due to the compression, the image quality will be a little coarse. Alternately, if you only shoot in image quality mode 640 × 480, then only make an image file for 640 × 480. In this case, the data for 2048 × 1536 and 1024 × 768 will be made automatically. At this time, due to enlargement, the image quality will be quite coarse.

● **Size**

Decide the size of the image file (number of vertical and horizontal dots) taking into consideration the relative size and taking one of the 3 image quality modes, 2048 (w) × 1536 (h), 1024 (w) × 768 (h) and 640 (w) × 480 (h), as a guideline. For example, if you want to make a rectangular signature to cover 1/8 vertically × 1/8 horizontally of the image in image quality mode 2048 × 1536, make an image file of 256 × 192 pixels.

Important Note • Make the signature file so that the number of pixels horizontally × vertically is within 90000. Examples are the image files for 300 × 300 or 450 × 200.

● **File Format**

Save the image file in GIF format or BMP (Bitmap) format.
In the case of GIF format, the range covered with a transmission/permeable color is the area where the photograph underneath appears transparent.

For Windows

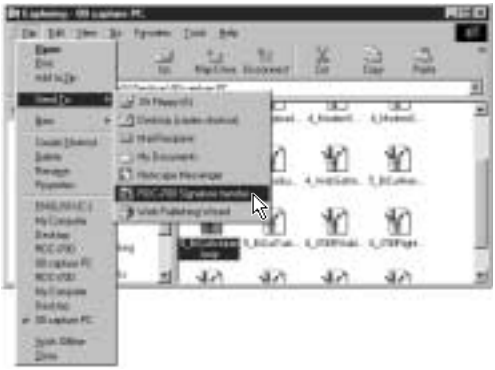
❶ Connect the camera correctly to the PC and set the camera's mode dial to [↜]. Then turn the camera and the PC on.

❷ Select [Windows Explorer] under [Programs] in the [Start] menu.
Explorer will start up.

❸ Check that the [RDC-i700] icon is displayed on the screen.
The icon may be displayed in the Explorer window or [My Computer] window.

❹ Select the image file created for the signature file.
If you have made several image files for each image quality mode, select all the image files (max. 3) while pressing the [Ctrl] key.
They may be displayed in the Explorer window or the [My Computer] window.

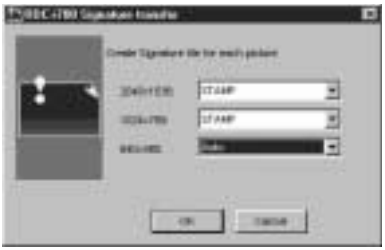
❺ Select [Send To] → [RDC-i700 Signature transfer] from the [File] menu.
You can also select [Send To] → [RDC-i700 Signature transfer] from the menu displayed when you click on the image file with the right button.



The dialog box for selecting the image file to be used as the signature will be displayed.

❻ Select the image file to be used as the signature in each image quality mode.

If you select [Auto], the image file for other image quality modes will be compressed/enlarged and a signature file automatically created.



❼ Click on [OK].

The selected image files are now transferred to the camera as signatures.

For Macintosh

In the case of Macintosh, [Stamp Transfer...] is performed using the [SETUP MENU] application.

❶ Connect the camera correctly to the PC and set the camera's mode dial to [↜]. Then turn the camera and the PC on.

❷ Select [RDC-7/i700 Mounter] in [Control Panels] from the Apple Menu.

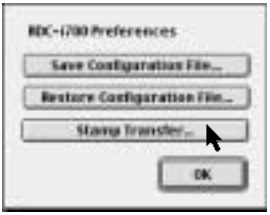
The RDC-7/i700 Mounter window will be displayed.

❸ Click on [Set Prefs...].

Note
- You cannot click on [Set Prefs...] if one of the storage memories has not been mounted. If the storage memory has not been mounted, mount it first (P.131).
- 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.

❹ Select [Stamp Transfer...].



The dialog box for selecting the image file for the signature will be displayed.

❺ Select [Select File...] for each size, select the image file for the signature and click on [Open].

Be sure to select the image file for each size.

❻ Click on [Transfer].

The selected image file is transferred to the camera as a signature.

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-i700 Explorer Plug-In. 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 functon will be converted to the generic TIFF files.

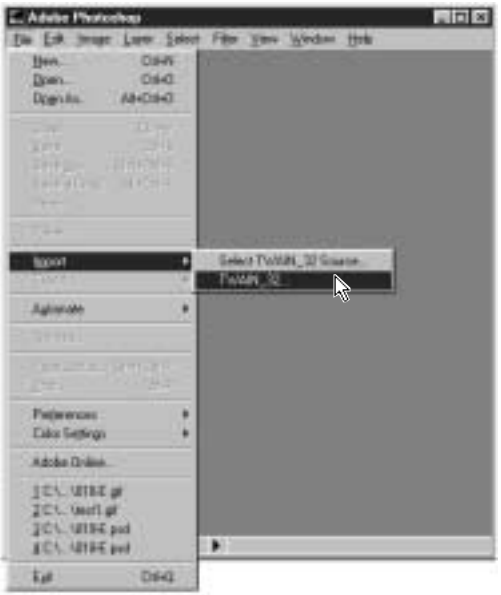
For Windows

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

❶ **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 [↜].**

❷ **Start up the TWAIN-compatible application software on the PC.**
The instructions given here are based on [Adobe Photoshop] application software.

❸ **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. 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.)

❹ 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.

❶ 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 [↝].

❷ Mount the storage media of the camera to which you want to download using the RDC-7/i700 Mounter.

Instructions on how to mount the camera media, see "Using the RDC-7/i700 Mounter" (P.131).

❸ Start up the application software compatible with TWAIN on the PC.

The explanation given here is based on [Photoshop] application software.

❹ 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. 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.

❺ Click on [Select Folder...].

The dialog box will be displayed to select a folder.

❻ 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.

❼ Double click the target image.

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