

SONY

Record Control Software

Help

Overview

Provides an overview of the software application functions.

Operation Screens

Describes the name and function of the software application screens.

Operating Procedures

Describes the operation of each function of this software application.

How to Use this Help

Describes the parts of the Help window, and provides an explanation of its search function.

Notes

- In some browsers, it may not be possible to move between topics using the Back/Forward buttons. We recommend that you move between topics using the Contents in the navigation component.
- Reload/refresh the Help in your browser if the Help display becomes corrupted or freezes.

Software Version 1.1

PWA-RCT1

4-575-885-12(1)

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Overview

PWA-RCT1 is software for recording video using storage servers (PWS-4400 or PWS-4500) making up a 4K Live system.

- Recording and playback controls are available for each PWS-4400/4500 input/output port.
- Displays a list of recorded video, which can be played back on any port.
- Recorded video can be transferred to a USB HDD or network drive. When recording, transfer of video starts automatically to the transfer destination specified beforehand.

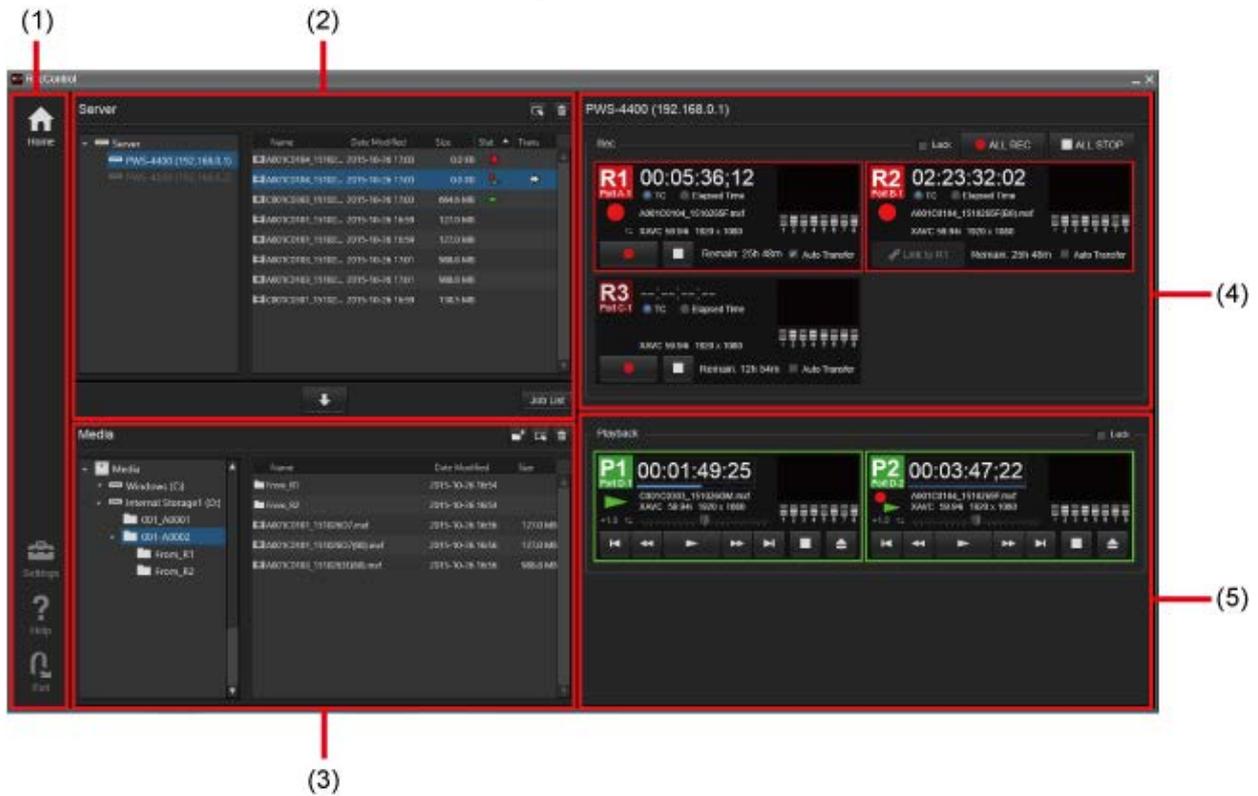
Operation Screens

This section describes the names and functions of the software screens.

- [Home Screen](#)
- [Settings Screen](#)
- [Server Settings Dialog](#)
- [Port Settings Dialog](#)

Home Screen

The Home screen is made up of the following sections.



Common operations

Tree area (left side of Server/Media area)

- Multiple selections are not supported.

List area (right side of Server/Media area)

- Select multiple files using the Shift key or Ctrl key.
- You can select all files using the Ctrl+A key.

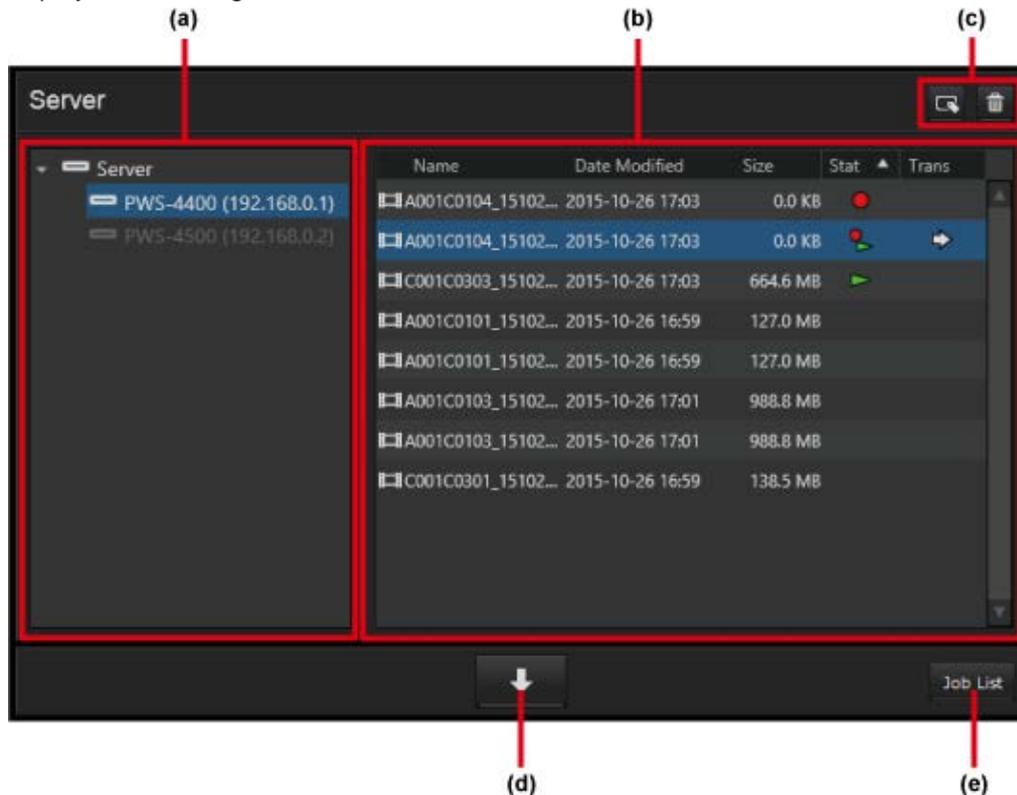
(1) Global menu

Click the icons to move between screens.

-  (Home): Displays the Home screen (this screen).
-  (Settings): Displays the Settings screen.
-  (Help): Displays the Help and version information.
-  (Exit): Exits the software.

(2) Server area

Displays a list of registered PWS-4400/4500 units and the files on the selected server.



(a) Tree area

Displays the servers. It can display multiple servers.

Clicking a server connects to that server.

Clicking a connected server refreshes the server display with the latest status.

You can disconnect a server by right-clicking a connected server and selecting [Disconnect] from the context menu.

(b) List area

The following items are displayed in the file list.

- Name: File name
- Date Modified: Date and time when the file was last modified
- Size: File size
- Stat: Displays recording or playback status (recording/chasing playback/playback/chasing playback stop/playback stop) using icons.
- Trans: Displays the transfer status (transferring, pending transfer, transfer error, transfer canceled) using icons.

You can select the following items by right-clicking a file in the list and selecting from the context menu.

- Delete: Deletes the selected files.
- Rename: Renames the selected file. Folders cannot be renamed.
- Play: Loads the selected file into the playback port. Select the playback port number in the sub-menu.
- Select All: Selects all the files in the list.
- Refresh: Refreshes the list with the latest status. If the status is refreshed after starting to record, the file name of the recording is displayed. The same operation is available using the F5 key on the

keyboard.

- Stop Transfer: Stops file transfer. This option is available when right-clicking a file being transferred.

(c) Toolbar

Contains the following tool buttons.

-  (Rename): Renames the selected file. Folders cannot be renamed.
-  (Delete): Deletes the selected files.

(d) Transfer button

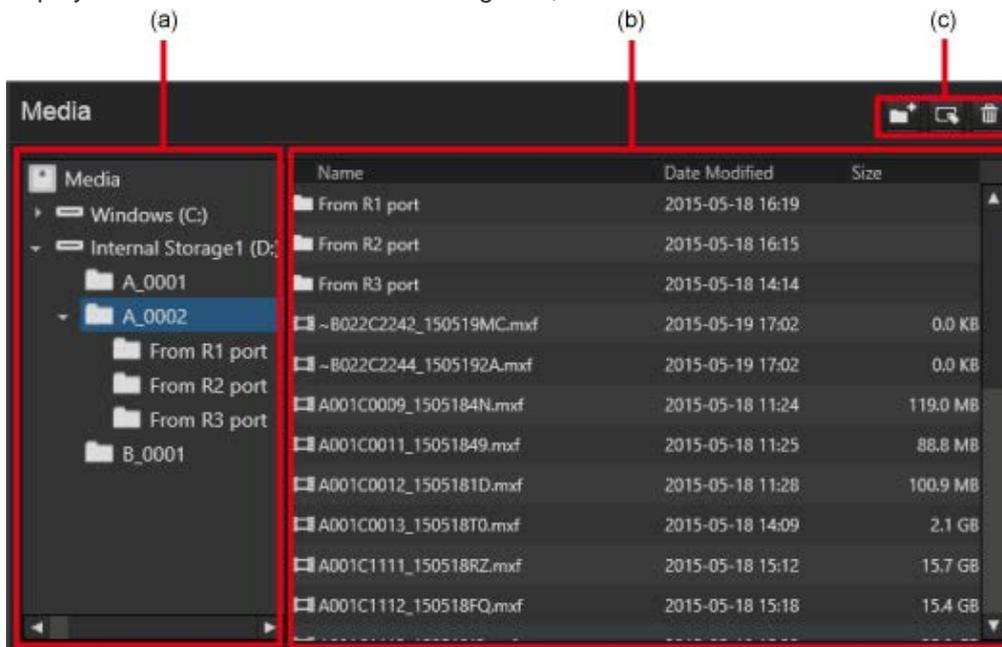
Transfers the selected files to the transfer destinations displayed in the Media area.

(e) Job List button

Displays the content of the current transfer job.

(3) Media area

Displays the destination drives for storing files, and the files on the selected drive.



(a) Tree area

Displays the drives and network drives mounted on the PC in tree view. Clicking a drive displays the files on the drive in the list area.

(b) List area

Displays a list of folders and files on a drive.

You can select the following items by right-clicking a file in the list and selecting from the context menu.

- Delete: Deletes the selected files.
- Rename: Renames the selected file. Folders cannot be renamed.
- New Folder: Creates a new folder.
- Select All: Selects all the files in the list.
- Refresh: Refreshes the list with the latest status. If the status is refreshed after starting a transfer, the file name of the transferred file is displayed. The same operation is available using the F5 key on the keyboard.

Note

Only items with folder paths with 247 characters or fewer are displayed in the tree area and list area. Folders with paths of 248 characters or longer are not displayed in the tree area and list area.

(c) Toolbar

Contains the following tool buttons.

-  (New Folder): Creates a new folder.
-  (Rename): Renames the selected file. Folders cannot be renamed.
-  (Delete): Deletes the selected files.

(4) Recording panel

Controls the port for recording on the server selected in the Server area.

[Lock] checkbox

Place a check mark in the checkbox to lock the panel. Control using the panel is disabled while the panel is locked.

[ALL REC] button

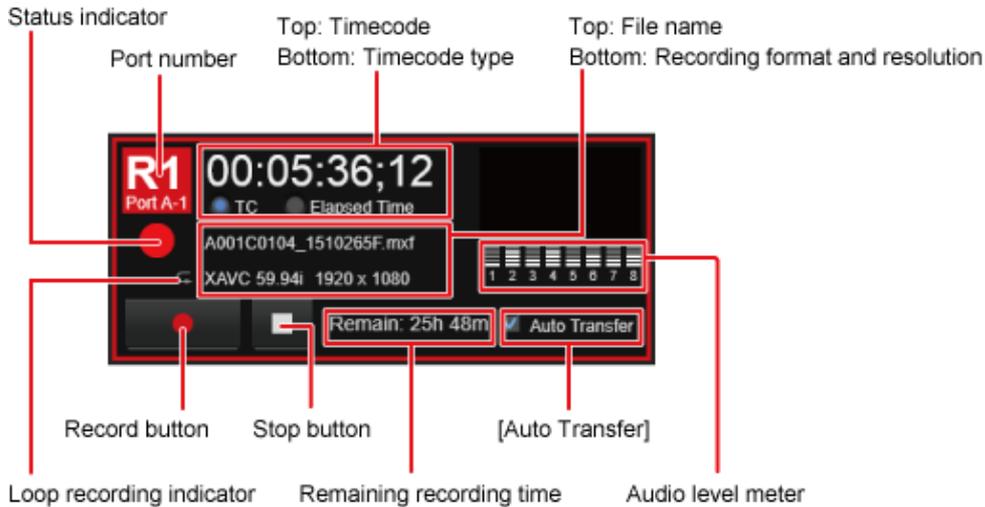
Starts recording on all the available ports.

[ALL STOP] button

Stops recording on all ports.

Recording port panel

Controls the recording on each of the available ports.



Display item	Description
Port number	Displays the port number (R1 to R6) according to the number of inputs.
Timecode	Displays the current timecode (hours, minutes, seconds, frames) during recording. All codes display "--" when not recording. The separator character between seconds and frames is a semicolon (;) when the port is set to DF or a colon (:) when set to NDF.
Timecode type	Selects the type of timecode. When [TC] is selected, the timecode of the video in the recording port is displayed.

	When [Elapsed Time] is selected, the elapsed video recording time is displayed.
Audio level meter	Displays the audio level for the input signal on the recording port.
File name	Displays the file name of the recording.
Recording format and resolution	Displays the video format, frame rate, and resolution of the recording port.
Status indicator	Displays an icon while recording video. (Nothing is displayed when not recording.)
Loop recording indicator	Displays this indicator when [Loop Recording] is set on the server. Not displayed when not set.
Recording button	Starts video recording.
Stop button	Stops video recording.
Auto Transfer	Enables the auto transfer function for recorded video. For details, see Transferring .
Remaining recording time	Displays the remaining recording time for each recording port. The indicator is displayed in green when the remaining recording time is less than 30 minutes, and in red when less than 10 minutes.

(5) Playback panel

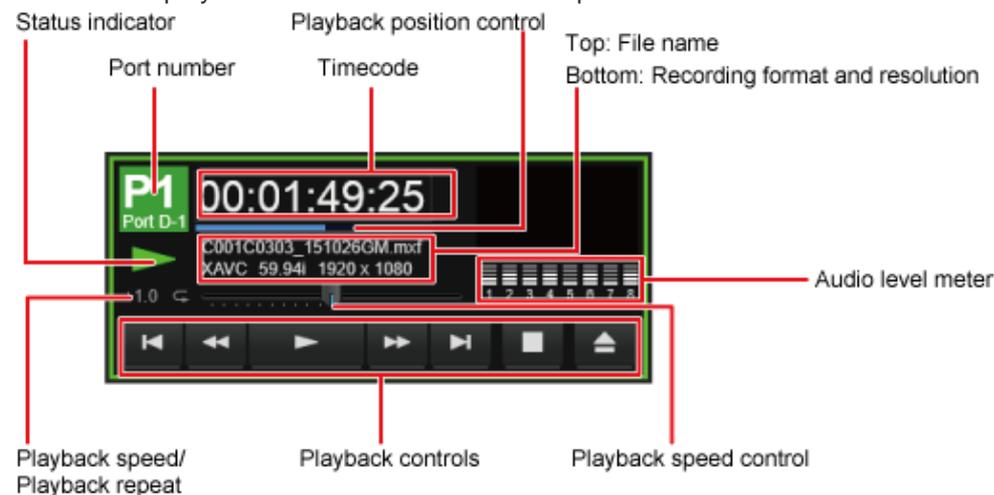
Controls the port for playback on the server selected in the Server area.

[Lock] checkbox

Place a check mark in the checkbox to lock the panel. Control using the panel is disabled while the panel is locked.

Playback port panel

Controls the playback on each of the available ports.



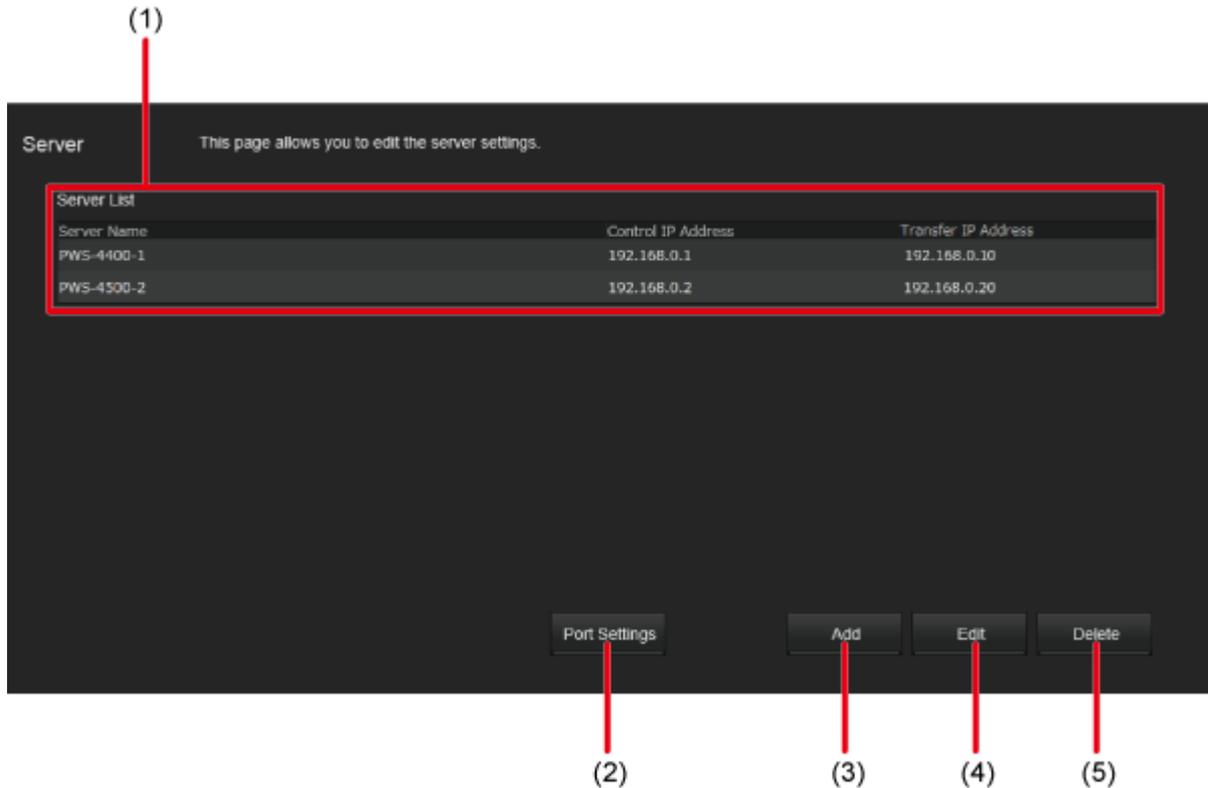
Display	Description
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item	
Port number	Displays the port number (P1 to P6) according to the number of inputs.
Timecode	<p>Displays the current timecode (hours, minutes, seconds, frames) in a file during playback. All codes display "--" when a file is not loaded in the port.</p> <p>The separator character between seconds and frames is a semicolon (;) when the loaded file is DF or a colon (:) when NDF.</p> <p>You can click the timecode and enter a value to jump to the specified playback position. For details, see Playback.</p>
Playback position control	Displays the current video playback position. You can jump to any position by clicking the bar.
Audio level meter	Displays the audio level for the video output signal during playback.
File name	Displays the file name of the loaded file.
Recording format and resolution	Displays the recording format, frame rate, and resolution of the loaded video.
Status indicator	Displays the playback status icon during video playback. When playback is stopped, an icon indicating the playback stop state is displayed.
Playback speed	Displays the playback speed during fast forward and fast reverse.
Playback speed control	Varies the video playback speed in the forward and reverse directions up to 100 times normal speed by dragging the knob left and right. The playback speed varies according to the position of the knob. The forward or reverse playback state is maintained after releasing the mouse button.
Repeat playback indicator	<p>Clicking the indicator changes the Continuous Mode setting on the server to "Single File Repeat." The file plays repeatedly in this state.</p> <p>This icon is not displayed when repeat playback is off. To turn repeat playback on, click the location shown in the figure below.</p>  <p>Click here to turn repeat playback on.</p> <p>Click here again to turn repeat playback off.</p>
Playback control buttons	Controls playback of the recorded video. For details, see Playback .

Settings Screen

The Settings screen is displayed by clicking  (Settings) on the Home screen. Use this screen to register, edit, and delete servers, and to set ports.

The Settings screen is made up of the following sections.



(1) Server List

Displays a list of the registered servers.

No servers are registered the first time you launch the software. You must click the [Add] button to add a server. Up to four servers can be registered.

Clicking a server allows you to modify the registered details or delete the server from the list.

(2) [Port Settings] button

Displays the [Port Settings dialog](#). You can configure ports for the server selected in Server List.

(3) [Add] button

Displays the [Server Setting dialog](#). Use this to add a server to this software.

(4) [Edit] button

Displays the [Server Setting dialog](#). You can register the details for the server selected in Server List.

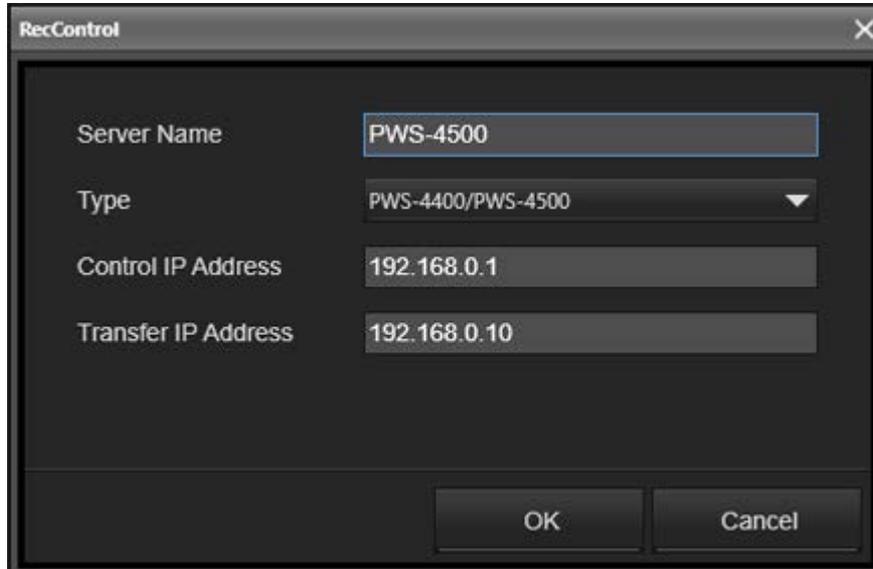


(5) [Delete] button

Deletes the server selected in Server List.

Server Settings Dialog

Registers a server.



Server Name	PWS-4500
Type	PWS-4400/PWS-4500
Control IP Address	192.168.0.1
Transfer IP Address	192.168.0.10

Server Name

Enter the name of the server (up to 64 alphanumeric characters and symbols). The name specified here is displayed in Server List on the Settings screen.

Type

Displays the server model and type (PWS-4400/PWS-4500). This cannot be modified.

Control IP Address

Enter the IP address for recording panel and playback panel control. The IP address of the Ethernet port on the PWS-4400/4500 is used as the control IP address.

Transfer IP Address

Enter the IP address for transfers.

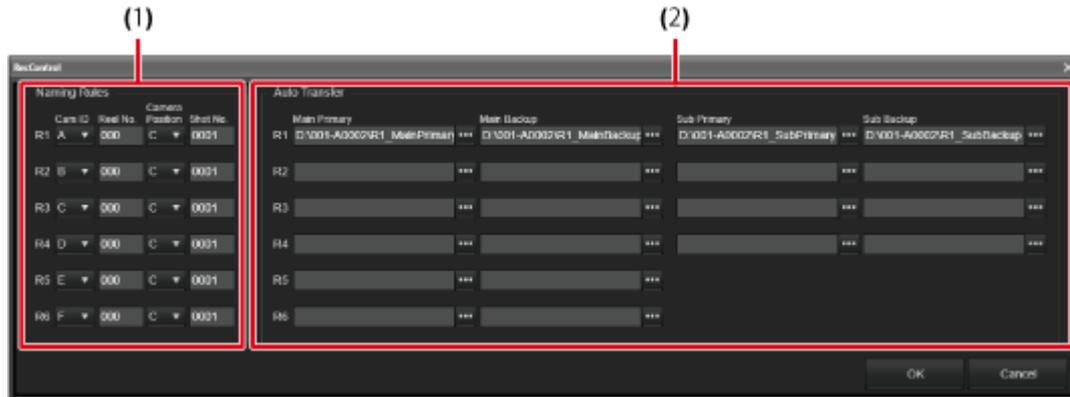
Enter the IP address of the 10GbE NIC if a 10GbE NIC is installed in the PWS-4400/4500. Enter the same IP address as in [Control IP Address] if a 10GbE NIC is not installed.

Notes

- Up to four PWS-4400/4500 units can be registered for recording/playback control. However, the transfer speed will drop if transferring files from multiple PWS-4400/4500 units simultaneously. It is recommended that transfers be performed from one PWS-4400/4500 unit only.
- If Network Port 1 or 2 only are used on a PWS-4400/4500 unit, the maximum number of file transfers is four. If a 10GbE Network connector is used, the maximum number of file transfers is eight.

Port Settings Dialog

You use this dialog to configure naming rules for files recorded by this software. You can also make settings related to automatic transfer of recorded files.



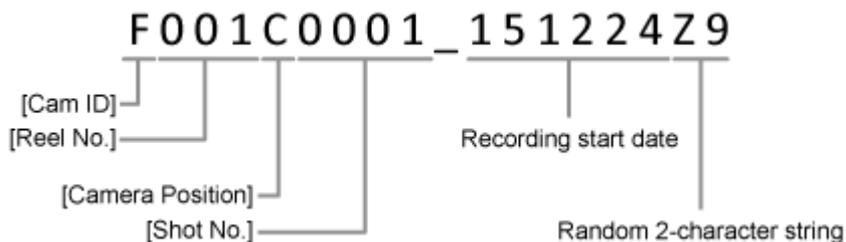
(1) Naming Rules

Specifies the naming rules for files when recording. You can specify the following items for each port.

Item	Description
Cam ID	Specifies the ID (upper case letter between A and Z) assigned to the port.
Reel No.	Specifies an arbitrary 3-digit number in the range 000 to 999.
Camera Position	Specifies a letter indicating the camera position, as follows. C: Center L: Left R: Right
Shot No.	Specifies the start number for consecutive naming of files as an arbitrary 4-digit number in the range 0001 to 9999. The number increments automatically with each recording.

The actual file name given to recording files contains a character string formed by the above settings together with the recording start date and a random 2-character string.

Example:



(2) Auto Transfer

To start file transfer automatically when recording starts, click [...] and specify a destination in the

dialog that appears or enter the destination folder path directly.

If simultaneous HD recording of 4K/QFHD input video is enabled on the server, specify destinations in both [Main Primary] (4K/QFHD video destination) and [Sub Primary] (HD video destination). Specify [Main Primary] only when simultaneous recording is not configured.

You can specify separate transfer destinations if both [Main Primary] and [Sub Primary] are specified. In this case, set [Main Backup] and [Sub Backup].

Operating Procedures

This section describes the operating procedures for each software function.

- [Recording](#)
- [Playback](#)
- [Transferring](#)

Recording

Starting recording on a port

1. Select a server in the Server area.
2. In the recording panel, click the  button for the port used for recording.

Recording starts. A red frame is displayed around ports that are recording.

Starting recording in gang mode

You can start recording video simultaneously on multiple ports that are grouped according to the gang mode setting.

In gang mode, the port with the lowest number is called the Parent port, and all other grouped ports are called Child ports. Clicking the  button to start recording on the recording port panel of the Parent port also starts recording on all the Child ports. You also stop recording on all ports by stopping recording on the recording port panel of the Parent port.

Starting recording on all ports

Click the [ALL REC] button in the recording panel. Ports that are already recording will continue to record without change.

Stopping recording

Click the  button for the port used for recording.

Clicking the [ALL STOP] button will stop recording on all ports.

Playback

Loading a file for playback

1. Select a server in the Server area.
2. Click the file to play in the list area, and drag & drop the file onto the playback panel.
You can also right-click the file to play in the list area, select [Play] from the context menu, and select the port number from the sub-menu.

Tips

- Files can be loaded even if the file is currently recording or playing. You can drag & drop a recording file onto a playback port to start chasing playback. Clicking  (Jump to end of file) selects the shortest chasing playback.
- You can also load a file while recording by clicking the recording port and dragging it to a playback port.
- If a port currently has another file loaded when you attempt to load a file, the loaded file is first unloaded and is replaced by the file you drag & drop.
- If the same file is loaded in the same port, the file is reloaded and the playback position returns to the start.
- Files which have a different recording format or resolution than that set on the server cannot be loaded for playback using drag & drop.

Starting playback

Control playback using the playback port panel control buttons.

Button	Description
	Jump to start of file
	Jump to end of file
	Fast reverse The playback speed switches to 2x, 4x, 8x, and 50x in that order with each click.
	Play
	Fast forward The playback speed switches to 2x, 4x, 8x, and 50x in that order with each click.
	Stop
	Unload file

Dragging the playback speed control knob left or right allows you to adjust the speed (up to 100 times normal speed) of video playback in the forward and reverse directions, according to the scale position of the control.

To specify the playback position

- Click the timecode in the playback panel, highlighting the timecode, and enter a value to jump to the entered timecode.
- Click the playback position control to jump to any playback position.

Tips

- Only numeric characters are valid when editing the timecode.
- To deselect the timecode area, press the Esc key on the keyboard.

Transferring

About destination drives

You can specify a local drive on the PC as a destination drive. You can also specify external media or NAS as a destination, but with the following caveats.

- External media, such as an external HDD, must be connected to the PC beforehand. Do not eject or unmount the media during transfers.
- If using a network drive (NAS), first map the network drive using Explorer.

Transferring a specified file

1. Select a destination server in the Server area.
2. Select a destination drive in the Media area.
3. Select the file you want to transfer in the list in the Server area.
Multiple file selection is supported. A currently recording file can also be selected as a file to transfer.
4. Click the [Transfer] button.

Tip

You can also transfer the file selected in the list in the Server area by copying it the Media list using drag & drop.

Transferring using Auto Transfer

The auto transfer function automatically starts transfer of file when recording starts. The auto transfer configuration items can be set beforehand by opening the [Port Settings dialog](#) from the [Settings screen](#).

Auto transfer can also be configured on the Home screen using the following procedure.

1. Place a check mark in the [Auto Transfer] checkbox in the recording port panel.
The dialog for setting a destination appears.
2. Click [...] and specify a destination in the dialog that appears, or enter a path for a destination folder directly.
If simultaneous HD recording of 4K/QFHD input video is enabled on the server, specify destinations in both [Main Primary] (4K/QFHD video destination) and [Sub Primary] (HD video destination). Specify [Main Primary] only when simultaneous recording is not configured.
You can specify separate transfer destinations if both [Main Primary] and [Sub Primary] are specified. In this case, set [Main Backup] and [Sub Backup].
3. Click [OK] to close the dialog.

Tips

- If [Auto Transfer] is enabled during recording, the transfer starts from the beginning of the

recording file.

- [Auto Transfer] cannot be disabled during while auto transfer is in progress.
- Auto transfer cannot be performed, even if the [Auto Transfer] checkbox is selected, if a transfer destination has not been configured.

Notes

- Up to four PWS-4400/4500 units can be registered for recording/playback control. However, the transfer speed will drop if transferring files from multiple PWS-4400/4500 units simultaneously. It is recommended that transfers be performed from one PWS-4400/4500 unit only.
- If Network Port 1 or 2 only are used on a PWS-4400/4500 unit, the maximum number of file transfers is four. If a 10GbE Network connector is used, the maximum number of file transfers is eight.

Checking the file transfer status

Click the [Job List] button to display the Job List screen to view a list of the current file transfer status.

The following operations are available in the context menu displayed by right-clicking a job in the list on the Job List screen.

- [Refresh]: Refreshes the job to the latest status.
- [Stop Transfer]: Stops the job file transfer.
- [Re-transfer]: Restarts the file transfer after stoppage due to an error.

Tip

The contents of the job list are maintained while the software is running, but is cleared when the software exits.

Job list items

Item name	Display content
File Name	File name of file being transferred
From	Transfer source server name and IP address
To	Path of destination folder
Status	Job status
Progress	Transfer of recorded file: Job transfer state shown in progress bar and as a percentage. Transfer of file currently being recorded: Number of bytes transferred up to that point, updated every five seconds (progress bar is not displayed).
Create Time	Time and date of transfer job registration
Start	

Time	Transfer start time
End Time	Transfer end time

Appendix

The appendix comprises the following topics.

- [Notice to Users](#)
- [Trademarks](#)
- [How to Use this Help](#)

Notice to Users

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How to Use this Help

Starting the Help

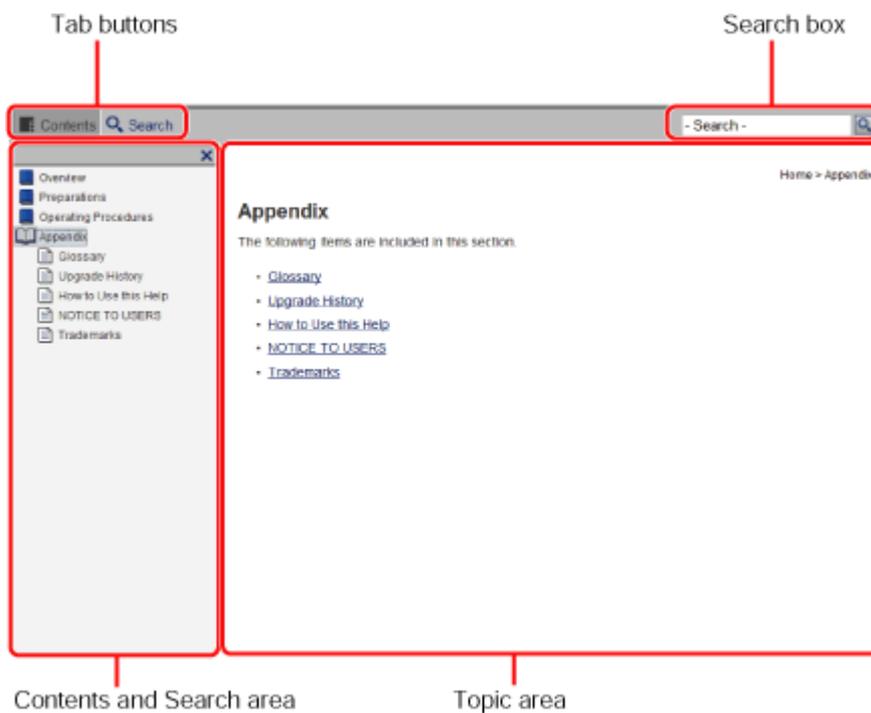
Click the Help icon in the global menu, and select [RecControl Help] from the popup menu.

Notes

- In some browsers, it may not be possible to move between topics using the Back/Forward buttons. We recommend that you move between topics using the Contents in the navigation component.
- Reload/refresh the Help in your browser if the Help display becomes corrupted or freezes.

Help window configuration

The Help window consists of the following items.



Tab buttons

Switches between navigation component displays using the following buttons.

-  : Contents button
Displays the topics of this Help. Click a topic title to display the topic in the topic area.
-  : Search button
Displays the search tab for searching words within this Help. The search results display related topics in order of relevance.
You can enable [Highlight search results] to highlight all instances of the search word in the topic area.

Search box

Enter text to search for words in the Help. The search results display related topics in order of relevance.

Search results are identical to those obtained using the Search tab button.

Contents and Search tabs (navigation component)

Displays the Contents and Search tabs of this Help.

Click the  button at the upper right to hide the Contents and Search tabs, and click the Contents or Search button to redisplay it.

Topic area

Displays the selected topic.

The current topic's location in the Help is displayed in the upper right.