

Operation Manual of Address Data Control Utility

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1. Introduction

This specification describes a utility for converting Address Book data in digital MFPs sold by the Digital Document Systems Group.

Use this tool as a serviceman tool.

2. Utility Overview

This utility operates as shown in Figure 1.

It defines a common Address Book format (xml) not depending on digital MFP models, and creates a conversion module (bidirectional) between Address Book of each model and the common one. This configuration enables conversion of Address Book via the common Address Book format (xml) between models supporting this utility. Also when a new model is created in the future, just one bidirectional conversion module is required to be created between the Address Book of the new model and the common one so that mutual conversion of Address Book can be performed with models supporting this utility.

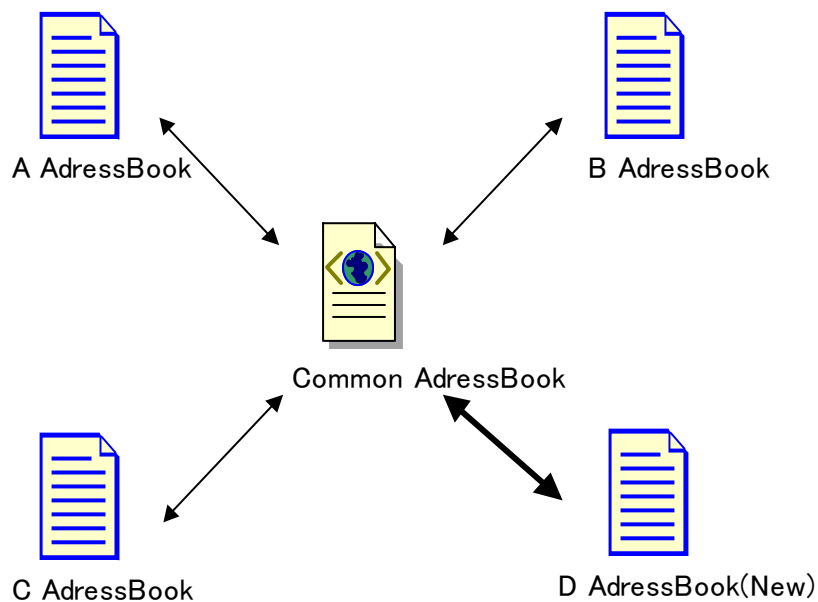


Figure 1 New Address Book Conversion Method (*The arrows mean conversion.)

This utility provides the following functions.

- > An overall controlling convertor controls all convertors for each model.
- > Convert Address Book data into Text(Tab delimited) to edit the data of all supported models in Microsoft Excel.
- > Boot Address Book Transfer Tool. (Paths of Address Book Transfer Tool once booted are stored to simplify the second or later booting.)

3. Restrictions

- > This utility does not send/receive Address Book data to/from MFPs.
Use the Address Book Transfer Tool or the Storage Backup function in each MFP to send/receive Address Book data to/from MFPs.
- > When the language code used in the Address Book (code page) is not installed in the OS, characters may not be converted correctly.
Use the OS of the same language as the one used in the Address Book.
- > Address Book items to be converted differ depending on models and functions of MFPs.
- > Only Address Book items that can be used with the Address Book Transfer Tool used in each MFP can be converted. Items that can be used only with the MFP cannot be converted.
- > Rapid(Individual) and Speed Dial are not distinguished.
- > The number of registrations, digits of destination numbers, and characters that can be used in the Address Book differ depending on each model.
- > Restrictions that depends on the model are as follows.
 - > When dealing with export data of [Target model] below.
There is that the ID is duplicated by fax and scanner models of these.
Therefore, when converting the data ID is duplicated, instead of direct conversion into the model, and then converted to a Text(Tab delimited), please convert into each model.
At that time, about the error ID is generated, correct the error, please convert the data for each model.
(Refer to "5.2.1.3 Error")

[Target model]

- MX-C300、MX-C250/C300
- AR-B350、MX-B350/B450 AR-B351/B451
- DX-20C20/BP-20C25、BP-20C20/20C25/C2021R/C2521R
- BP-2xM22~31/M2322R~M3122R

4. Operation Environment

4.1. Supported OS

This utility operates only in Windows OS environment.

And, It uses the MSXML library.

4.2. System Requirements

This utility operates in the following condition.

Part	Condition
Model	IBM PC/AT compatible model
CPU	Intel Pentium 300MHz or more
RAM	256Mbytes or more
Disk free space	300MB or more

4.3. Language Support

Address Book Type	Language Code
Common Address Book Data	UTF-8*1
Address Book Data per Model (For Japan)	Shift-JIS, UTF-8*1
Address Book Data per Model (For US and Western Europe)	ISO-8859-1(ASCII) UTF-8*1

*1 UTF-8 can be used in models where data output by the Storage Backup function is used for conversion.

4.4. Address Book Editing Tool

Microsoft Excel can be used for editing. (Cannot edit depending on Microsoft Excel versions.)

4.5. File Configuration

Item	Name	Description
Application	ADCUtility.exe	Address Data Control Utility
	ADCIF.dll	Convertor control module per model
	EncryLib.dll	EncryLib Library
	msxml.dll	msxml Library
	ADCIF\	Folder for convertor per model
	CVEdit.dll(xml) *1	Convertor for editing files
	CVEditUTF-8.dll(xml) *1	Convertor for editing files in UTF-8
Resource	CV*.dll(xml) *1	Convertor per MFP model
	Resources\	Folder for resource DLL
	resACUenu.dll	English resource DLL
Sample file for editing	Samples\	Sample file folder for editing
	Sample.txt	Sample file
	Sample(UTF-8).txt	Sample file in UTF-8

*1 Convertors per model function with "dll" with convert functions and XML files per model with information on model names and supported languages.

4.6. Installation Procedure of Address Data Control Utility

- 1) Obtain the compressed Address Data Control Utility. After it is obtained, uncompress the file.
For the configuration of the uncompressed file, refer to 4.5.
- 2) Copy the utility to any folder.

Now the utility can be used.

5. Operation Method

5.1. Address Book Conversion

This is used to convert Address Book data between different models.

Boot the utility and click the "Convert" tab to open the following window.

The screenshot shows a Windows-style dialog box titled "Address Data Control Utility" with a blue title bar and a close button (X) in the top right corner. The dialog has two tabs: "Convert" (selected) and "Tool". The "Convert" tab contains two main sections: "Source Address Book" and "Target Address Book". Each section has three input fields: "Model(M)" and "Language(L)" are dropdown menus, and "Address Book File Name(F)" is a text box with a "Reference(R)..." button to its right. Below these sections is a checkbox labeled "A default value is used when a value is inaccurate(S)" which is checked. To the right of the checkbox is a "Convert(C)" button. At the bottom right of the dialog is an "Exit" button.

5.1.1. Screen Description

Items and their contents displayed when the "Convert" tab is pressed

Item	Content
1. Source Address Book -Model -Language -Address Book File Name -Reference	-Select model information of the Address Book. -Select language information of the Address Book. -Display the full-path file name of the Address Book. -Open a dialogue for selecting files. If the Address Book is selected in the dialogue, the file path will be automatically entered in Address Book File Name.
2. Target Address Book -Model -Language -Address Book File Name -Reference	-Select model information of the Address Book. -Display the same language information as that of the Source Address Book. (Read only) -Display the full-path file name of the Address Book to be stored. -Open a dialogue for selecting files. If the Address Book is selected in the dialogue, the file path will be automatically entered in Address Book File Name.
3. A default value is used when a value is inaccurate	Simplify data validation performed before conversion. Default: On
4. Convert	Begin converting.

Model of Address Book Data to be Converted (Common in Source and Target Address Book)

Model	Description
(Ex.) AR- XXX	Address Book registered in MFPs Display MFP series names.
PC-FAX VX	Address Book of PC-FAX Driver (X of VX: version number)
Text (Tab delimited)	Address Book for editing
Text (Tab delimited) (UTF-8)	Address Book for editing(UTF-8)

Language of Address Book Data to be Converted

Language
Japanese
English
UTF-8

5.1.2. Conversion Method

The following describes the conversion procedure of Address Book data.

- 1) Select or enter the model, language information, and file name of the Source Address Book data.

Press the "Reference" button to display a file selection dialogue to select files.

*If the source Address Book or target Address Book has been selected "Text (Tab delimited) (UTF-8)" ,

You must select "UTF-8" for language.

- 2) Select or enter the model and file name of the Target Address Book.

Press the "Reference" button to display a file selection dialogue to select files.

*Language data cannot be changed.

- 3) Check/uncheck the "A default value is used when a value is inaccurate" checkbox.

Source Address Book data may not be able to be converted without additional operations or may lack required data. Therefore the utility automatically validates Address Book data before converting it.

Checked: Simplify data validation. Even if some information is lacked because of limit of the number of characters, errors do not occur. Also default settings are applied. Therefore the number of errors decreases.

However check Target Address Book data because it may differ from the Source Address Book data.

Unchecked: Validate data in detail. Report all differences of data storing formats depending on model as errors.

- 4) Press the Convert button.

1. If the Address Book data was encrypted when it is obtained, a dialogue for entering the password for the Source Address Book file.

> Enter the configured password and then click the "OK (O) " button.

> If the "Cancel (C) " button is clicked, the window will be closed and conversion will not begin.

> When the password does not match, an error message appears indicating that the format is incorrect.

> If the number of characters of the entered password exceeds the limit, an error message appears and directs the user to enter the password again.

> When the obtained Address Book data is not encrypted, this dialogue does not appear.

2. When the model of the Target Address Book supports encryption of Address Book data, a dialogue for entering the password for the Target Address Book file.

> Enter the configured password and then click the "OK (O) " button.

> If the "OK (O) " button is clicked without entering the password, conversion will be performed without encryption.

> If the "Cancel (C) " button is clicked, the window will be closed and conversion will not begin.

> If the number of characters of the entered password exceeds the limit, an error message appears and directs the user to enter the password again.

> When the model of the Target Address Book does not support encryption, this dialogue does not appear.

3. The Address Book data is verified and conversion begins.

> Normal completion

Create the Target Address Book.

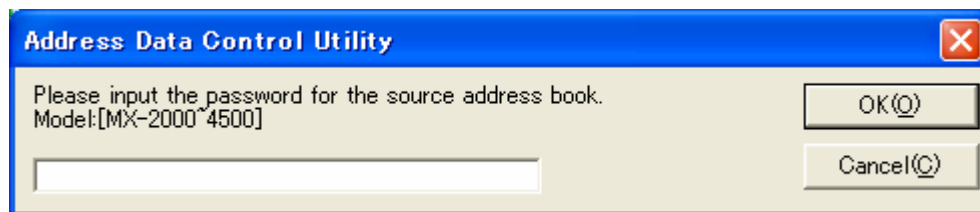
> Error

Display an error dialogue and output the error log file and editing file.

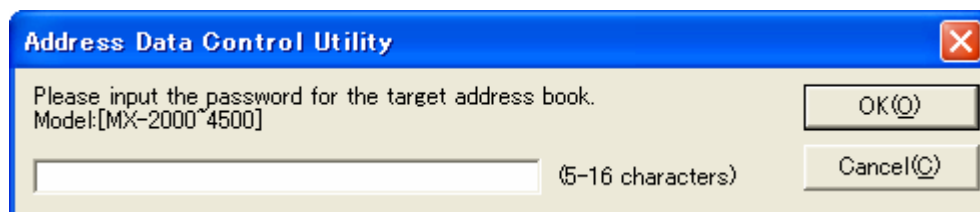
5.1.2.1. Password Entry Dialogue

Pressing the Convert button displays the following dialogue depending on conditions.

<If the data was encrypted when it is obtained>



<If the data is encrypted before conversion>



5.1.2.2. Normal Completion

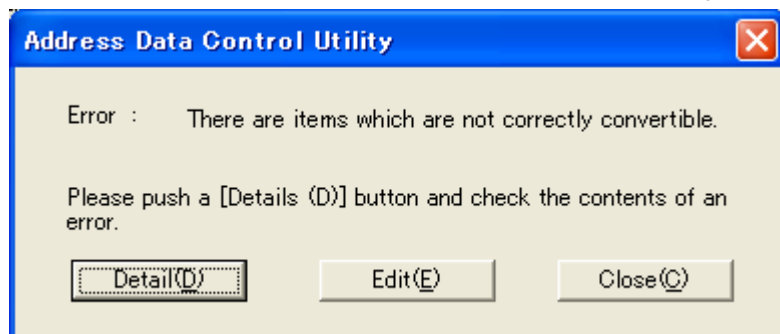
The following message appears.



This message shows that validation is completed without problems and the Address Book has been converted normally.

5.1.2.3. Error

When data errors are detected in validation, the following error dialogue appears.



The error log list and text file for editing in the following formats are output to the folder for storing files after conversion specified on the utility screen.

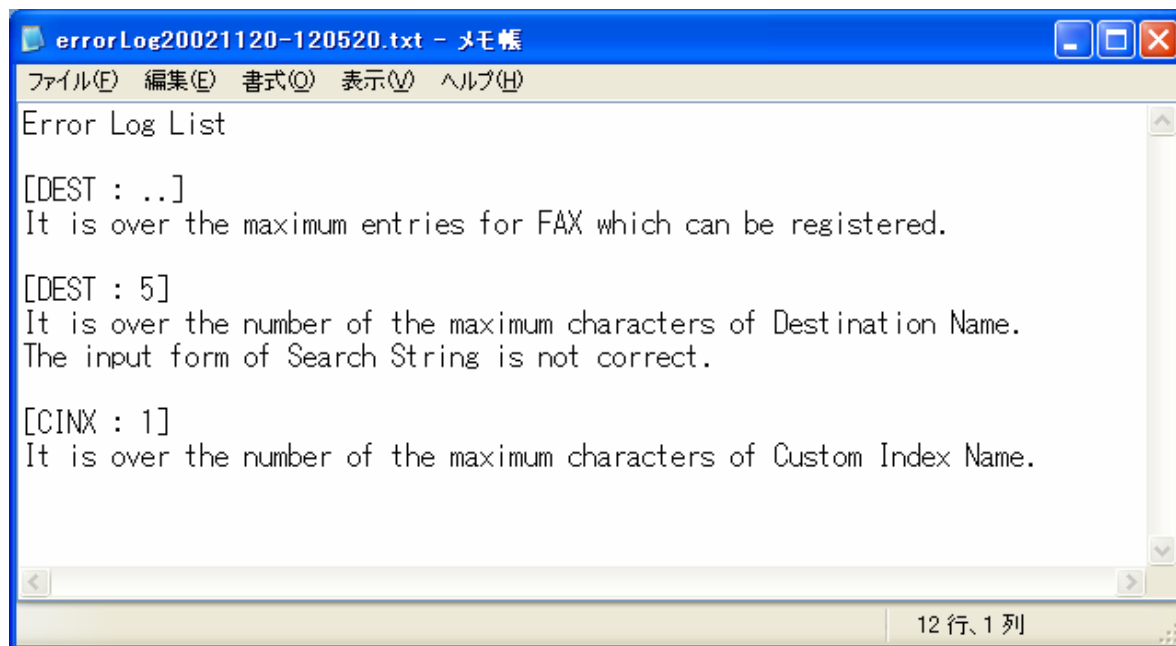
Validation result file [errorLog Date-Time.txt]

Text file for editing [Edit Date-Time.txt]

Ex.: errorLog20021120-120520.txt
Edit20021120-120520.txt

5.1.2.4. Display of Validation Result

Press the "Detail (D) " button in the error dialogue to display the validation result file.



Validation result files are output in the following format based on error content.

When multiple errors occur, they are listed in the same format. (Refer to the above figure.)

```
=====
[Category : ID]
Error Content
=====
```

Category List

Category	Description
DEST	Destination (FAX, IFAX, DSMTP, EMAIL, FTP, DESKTOP, SMB, GRP)
CINX	Custom Index information

ID Display Method

Category	Description
..	Troubles not depending on ID
1	Troubles relating to the data with ID 1.

*ID refers to ID per category used in editing files. Independent ID is used for each category.

5.1.2.5. Editing

Press the "Edit (E) " button in the error dialogue to output the text file (tab delimited) for editing. At the same time, the file is displayed in Microsoft Excel.

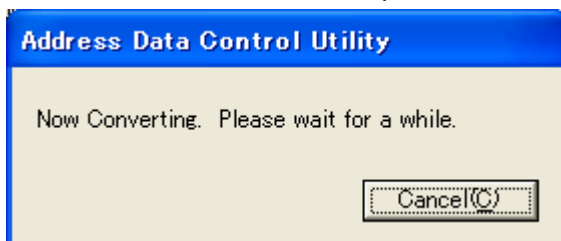
In editing files, "___" is added to the items whose formats differ from those of the Target Address Book data and items that need to be modified. Modify the items reported in the error log list.

There is that the source Address Book in UTF-8 can not be displayed correctly by Microsoft Excel. If this is the case, please correct the source Address Book to check the contents of the error log list and "___" above.

5.1.3. "Now Converting" Dialogue

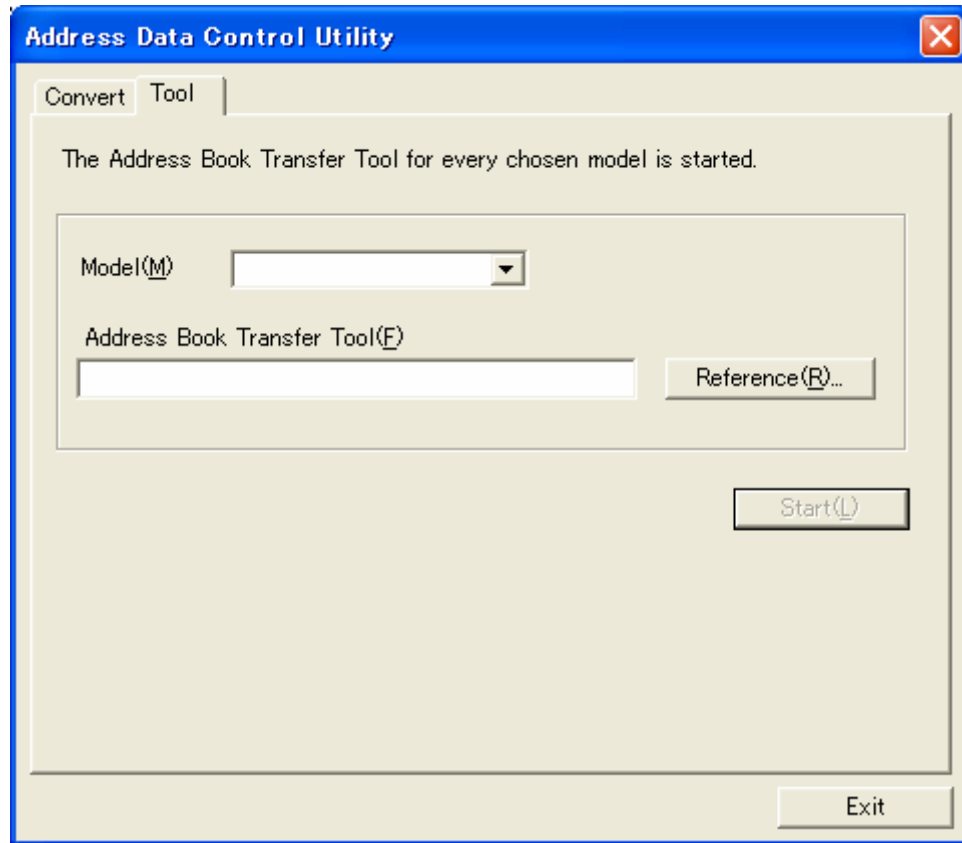
The following dialogue appears while the Address Book data is being converted.

Press the Cancel button to stop conversion.



5.2. Boot of the Address Book Transfer Tool

Boot this utility and click the "Tool" tab to open the following window.



5.2.1. Screen Description

Items and their content displayed in the Tool tab

Item	Content
1. Model	Select model names.
2. Address Book Transfer Tool	Display the Address Book Transfer Tool name in full path relating to the model selected in "1" above.
3. Reference	Open a file selection dialogue. When the Address Book Transfer Tool name is entered in the dialogue, the file path is automatically entered into the text box of "2" above.
4. Start	Boot the Address Book Transfer Tool relating to the model selected in 1 above.

Model Information

Model	Description
(Ex.) AR- XXX	Display the series name of the MFP where Address Book data is sent/received.

5.2.2. Operation Method

First Use

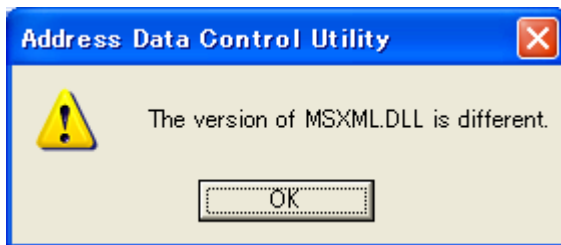
When a model is selected in the "Model" pull-down list for the first time, nothing appears in the "Address Book Transfer Tool" text box. Enter the path of the Address Book Transfer Tool, and then press the "Start" button to boot the Address Book Transfer Tool for each selected model.

Second or Later Use

The boot path for the Address Book Transfer Tool entered before automatically appears in the text box. Just press the Start button to boot the tool.

5.3. Error Message List

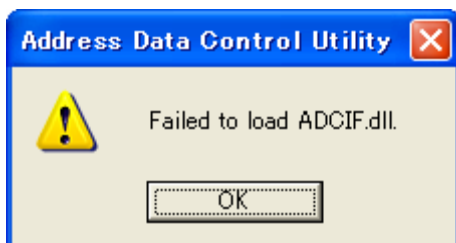
1) When MSXML is not installed or inappropriate versions are installed.



[Resolution]

Reinstall MSXML. For the installation method, refer to "2.1 Supported OS".

2) When ADCIF.dll does not exist or it is corrupted.

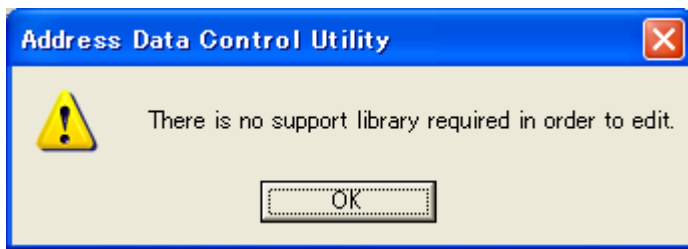


[Resolution]

Check if ADCIF.dll exists in the specified path.

If it exists in the specified location, it may have been corrupted while it was downloaded. Download it again.

3) When the convertor modules for editing (dll, xml) do not exist or they are corrupted.

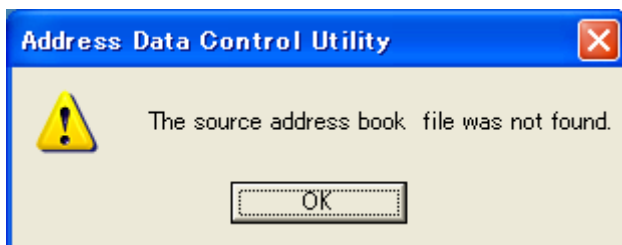


[Resolution]

Check if the modules (CVEdit.dll, CVEdit.xml) for creating editing files exist in the specified path.

If they exist in the specified path, they may have been corrupted while they were downloaded. Download them again.

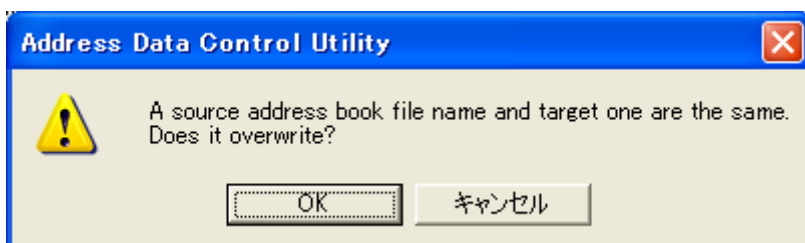
4) When no Address Book exists in the path specified in Source Address Book



5) When conversion is not required because the data is converted between the same model, or because the same Address Book format is used.



6) When the Source Address Book is the same as the Target Address Book



Press the OK button : Continue processing.

Press the Cancel button : Cancel processing.

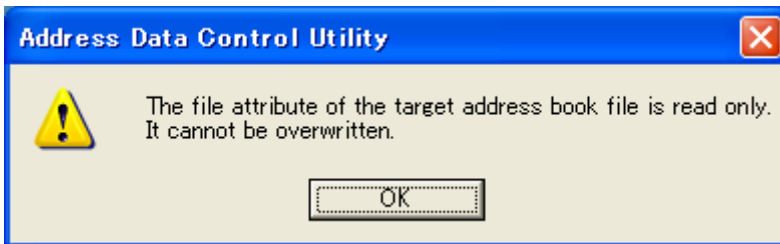
7) When an Address Book file already exist in the path designated in File Name of Target Address Book.



Press the OK button : Continue processing.

Press the Cancel button : Cancel processing.

8) When the read-only attribute of the file after conversion is enabled

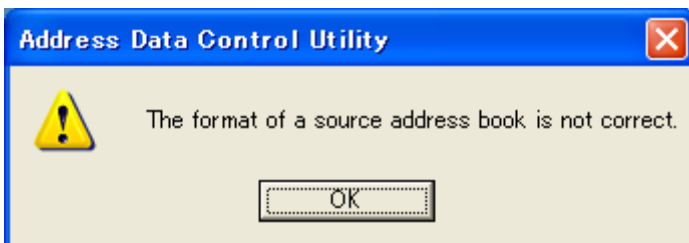


[Resolution]

Disable the read-only attribute of the file after conversion.

9) When the format of the Source Address Book is incorrect

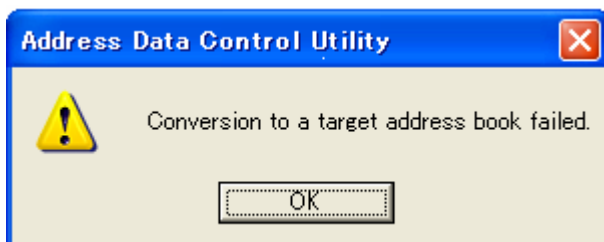
(Note: This utility does not check the Source Address Book format. The following message appears when conversion from the Source Address Book to the common Address Book failed. (incorrect format.))



[Resolution]

The model name and the selected Address Book file may not match. Check the selected file again.

10) When the Address Book could not be converted



11) When the editing file could not be created



12) When the Address Book Transfer Tool could not be booted



[Resolution]

The Address Book Transfer Tool does not exist in the specified path. Check the path again.

13) When a conversion module supporting the password entry function could not display a password dialogue.



[Resolution]

Check if the displayed dll file version is the latest one. If it is not, update it to the latest one.

14) When the entered number of characters of passwords exceeds the entry range.



[Resolution]

Enter the password again within the displayed range.

5.4. Editing of Address Book Data

To edit Address Book data, use Text(Tab delimited) (hereinafter referred to as "editing file"). Microsoft Excel is recommended to be used for editing Address Book.

5.4.1. Creation of Editing Files

This section describes the method of creating editing files.

5.4.1.1. Creation with the Address Data Control Utility

Existing Address Book is converted into an editing file with the Address Data Control Utility according to the following procedure.

- 1) Select the model of the Address Book to be edited in Model of Source Address Book.
- 2) Select editing file (Text(Tab delimited) or Text(Tab delimited)(UTF-8)) in Model of Target Address Book, enter the file name to be stored, and then press the Convert button.
- 3) The editing file is created in the folder specified in "2" above.

For the editing method of the created editing file with Microsoft Excel, refer to "5.4.2 Editing Method with Microsoft Excel".

5.4.1.2. Creation with Microsoft Excel

The following describes the method of creating editing files with Microsoft Excel.

Since data may be automatically converted as shown in the following examples in Microsoft Excel, all data is required to be treated as text.

- Ex. 1) 0123456789 -> 123456789 (Treated as a "numeric value." "0" at the beginning does not appear.)
Ex. 2) 1/2 -> January 2 (Treated as "date".)

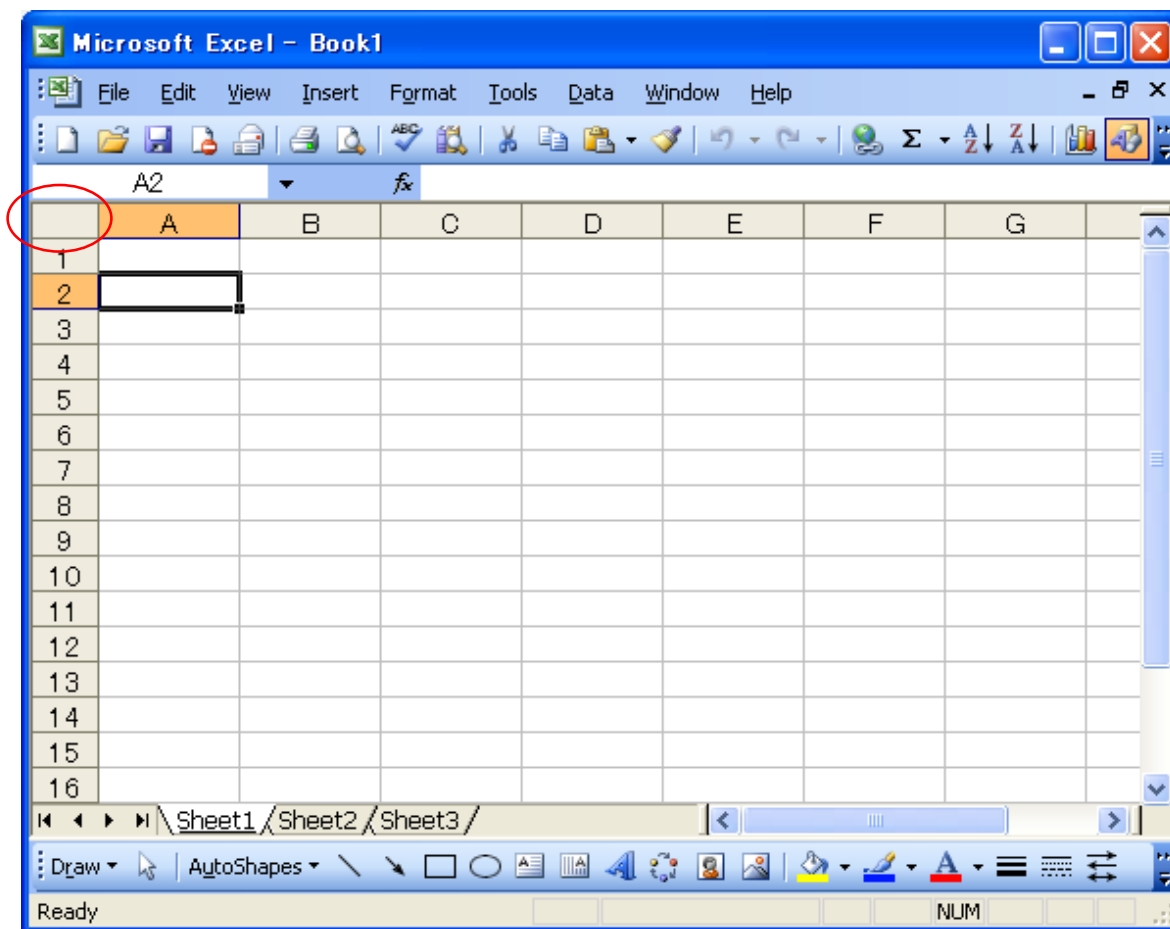
The following describes the method of creating editing files treating all data as text.

- 1) Boot Microsoft Excel.
- 2) Click the red circle part in the following figure so that all cells will be selected.
- 3) With all cells selected, right-click on any cell, and then select "Format Cells".
- 4) When the "Format Cells" dialogue appears, click the "Number" tab.
- 5) Select "Text" in "Category" and then press the OK button. Now all data is treated as text.
- 6) Register Address Book data according to Chapter 6 "Address Book Data (for editing) Format".
- 7) Save the editing file.

Click "Save As" in the "File" menu.

When the "Save As" dialogue appears, set "Save as type" at the bottom of the dialogue to "Text (Tab delimited)", enter the file name, and save the file. (The extension of editing files is ".txt".)

In the case of store the data in UTF-8, please save it in a text that supports UTF-8.



To create Address Book data using a sample file (with a header line) for new entry, refer to "5.4.2 Editing Method with Microsoft Excel". For storing location of sample files for editing, refer to "4.5 File Configuration".

5.4.1.3. Automatic Creation by Validation

Source Address Book data may not be able to be converted without additional operations or may lack required data. Therefore the utility automatically validates Address Book data before converting it. If the result of the validation shows that the Address Book is required to be edited or modified, the utility automatically create the editing file. The editing file is output to the folder for storing files after conversion as a "Text(Tab delimited)". For details, refer to "5.1 Address Book Conversion".

For the editing method of created editing files with Microsoft Excel, refer to "5.4.2 Editing Method with Microsoft Excel".

5.4.2. Editing with Microsoft Excel

To edit with Microsoft Excel, editing files are required to be opened in the text format.

If they are not opened in the text format, data will be treated as standard entry format and may be automatically converted into incorrect data by Microsoft Excel. (Ex.: "0" at the beginning of a telephone number may disappear. Refer to the examples described in 5.4.1.2.)

The following describes the method of opening data in editing files in the text format.

(Some display of the sample screen below may differ depending on Microsoft Excel version.)

- 1) Boot Microsoft Excel.
 - 2) Select "File" - "Open" from the menu. When the "Open" dialogue appears, change "Files of type" at the bottom to "All Files" or "Text Files" and then select the target file.
(The extension of editing files is ".txt.")
 - 3) "Text Import Wizard -Step 1 of 3" appears.
- Check that "Delimited-Characters such as commas or tabs separate each field" is selected in "Original data type" and then press the Next button.

Text Import Wizard - Step 1 of 3

The Text Wizard has determined that your data is Delimited.
If this is correct, choose Next, or choose the data type that best describes your data.

Original data type
Choose the file type that best describes your data:

☒ **Delimited** - Characters such as commas or tabs separate each field.
☐ **Fixed width** - Fields are aligned in columns with spaces between each field.

Start import at row: File origin:

Preview of file C:\#Edit20080508-175233.txt.

1	(REF)DEST ID FAX	Belong ID	Destination Name	Search String	Custom Index	Fre
2	(REF)DEST ID GRP	Belong ID	Destination Name	Search String	Custom Index	Fre
3	(REF)CINX ID	CINX (Blank)	Custom Index Name			
4	DEST 1 GRP	GRP a	1 0 GRP	1		

Buttons: Cancel, < Back, Next >, Finish

- 4) "Text Import Wizard -Step 2 of 3" appears.
- Check "Tab" in "Delimiters" and then press the Next button.

Text Import Wizard - Step 2 of 3

This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters

☒ **Tab** ☐ Semicolon ☐ Comma ☐ Treat consecutive delimiters as one
☐ Space ☐ Other:

Text qualifier:

Data preview

(REF)DEST	ID	FAX	Belong ID	Destination Name	Search String	Custom Index	F
(REF)DEST	ID	GRP	Belong ID	Destination Name	Search String	Custom Index	F
(REF)CINX	ID	CINX (Blank)	Custom Index Name				
DEST	1	GRP	GRP	a	1	0	

Buttons: Cancel, < Back, Next >, Finish

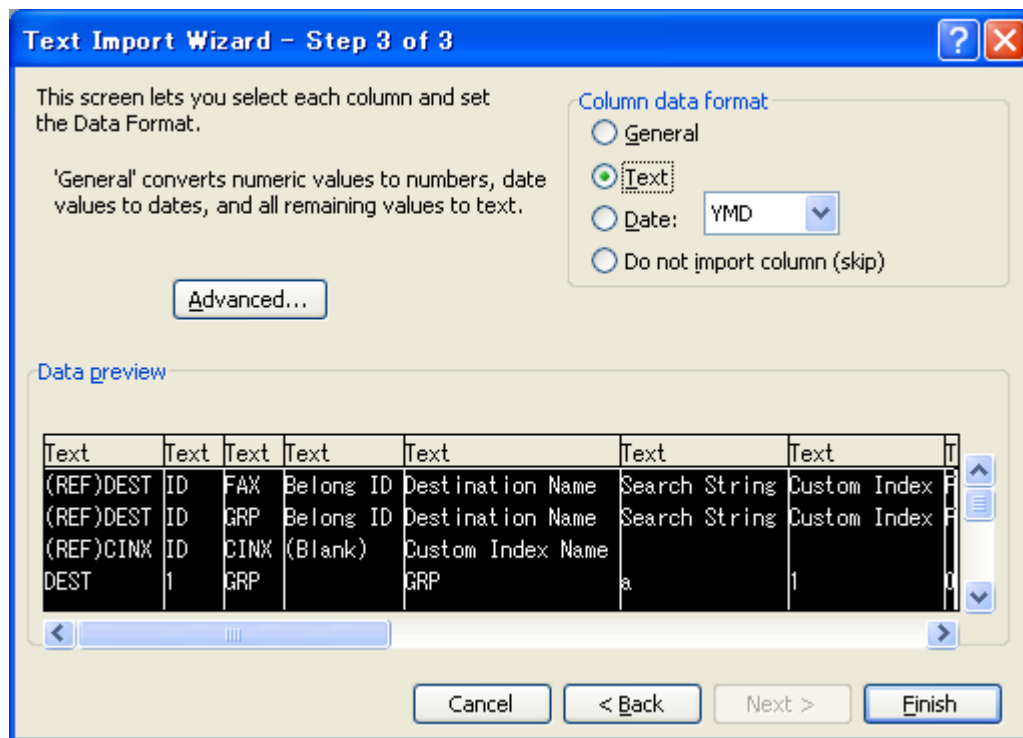
5) "Text Import Wizard -Step 3 of 3" appears.

Select all items in "Data preview" by pressing the "Shift" key on the keyboard.

When all items are selected, they are highlighted.

And then change "Column data format" to "Text".

Press the Finish button to open the file selected in "2" above in the text format.



6) Edit the file according to Chapter 6 "Address Book Data (for editing) Format".

[Supplementary]

When data includes "double quotation marks (")" or "commas(,)" Microsoft Excel performs the following processing before storing the data.

- > When data includes double quotation marks ("), they will be replaced with (").
- > Double quotation marks are added to the beginning and end of data.

This processing is the same as that performed when CSV format data is treated.

The Address Data Control Utility correctly reads data for which such processing was performed.

The above processing is not required in the tab-delimited text format used for editing Address Book data.

When you edit data using Microsoft Excel, you needn't be aware of the above processing. Microsoft Excel automatically performs it. When the Address Data Control Utility reads data, it automatically converts data to its original format.

The following show examples of processing performed by the Address Data Control Utility when data is read.

Example 1:

Original Data "Johnny Depp"

After Reading "Johnny Depp"

The Address Data Control Utility determines that the double quotation marks (") were not automatically added by Microsoft Excel because (") or (,) is not included in double-quoted "Johnny Depp".

Example 2:

Original Data "Johnny , Depp"

After Reading Johnny , Depp

It determines that the double quotation marks were automatically added by Microsoft Excel because a comma is included in double-quoted "Johnny , Depp" and it removes them.

Example 3:

Original Data "Johnny""Depp"

After Reading Johnny"Depp

It determines that the 2 double quotation marks at the beginning and end of the data were automatically added by Microsoft Excel because double quotation marks are included in double-quoted "Johnny""Depp" and it removes them. Also it replaces the 2 double quotation marks (""") with 1 quotation mark (").

6. Address Book Data (for editing) Format

6.1. Overview of Address Book Data

One line is registered as one Address Book data. (Some exceptions. For details, refer to 6.2.4.)

Each item is delimited with tabs.

Address Book Data mainly consists of the following.

Category
Destination (DEST)
Custom Index (CINX)

Each category is independent and only required data can be treated.

All categories also can be treated at the same time.

The following show each entry format.

6.2. Destination

Destination information consists of the following.

Category	Type
Destination (DEST)	Fax (FAX)
	Internet Fax (IFAX)
	Direct SMTP (DSMTP)
	E-mail (EMAIL)
	File Server (FTP)
	Desktop (DESK)
	Network Folder (SMB)
	Group (GRP)

The following describe each entry format.

6.2.1. Data Entry Format

Example: MX-M283/M363~423/M453~503

Search String	CUSTOM	Frequently Used	Display	Fax Number	Transmission Speed	Mode	F-Code Setting	Sub Address	Pass Code	Chain Setting	Search Number	FaxLine				
Search String	CUSTOM	Frequently Used	Display	E-mail Address	File Format	Compression	Reception Report	File Format (color)	Compression (color)	Compression	Search Number					
Search String	CUSTOM	Frequently Used	Display	E-mail Address	File Format	Compression	Specified Host	Hostname / IP Address	File Format (color)	Compression (color)	Compression Level (color)	Search Number				
Search String	CUSTOM	Frequently Used	Display	E-mail Address	File Format	Compression	File Format (color)	Compression (color)	Compression Level (color)	Search Number						
Search String	CUSTOM	Frequently Used	Display	CharCode	File Format	Compression	Hostname / IP	Process Directory	Hyperlink	User Name	Password	File Format (color)	Compression (color)	Compression Level	Search Number	Enable SSL
Search String	CUSTOM	Frequently Used	Display	(Blank)	File Format	Compression	Hostname / IP	Process Directory	Port Number	User Name	Password	File Format (color)	Compression (color)	Compression Level	Search Number	Enable SSL
Search String	CUSTOM	Frequently Used	Display	(Blank)	File Format	Compression	Hostname / IP	Process Directory	Hyperlink	User Name	Password	File Format (color)	Compression (color)	Compression Level	Search Number	
Search String	CUSTOM	Frequently Used	Display	Search Number												
(Blank)	(Blank)	(Blank)	(Blank)	Fax Number	Transmission Speed	Mode	F-Code Setting	Sub Address	Pass Code	Chain Setting	(Blank)	FaxLine				
(Blank)	(Blank)	(Blank)	(Blank)	E-mail Address	File Format	Compression	Reception Report	File Format (color)	Compression (color)	Compression						
(Blank)	(Blank)	(Blank)	(Blank)	E-mail Address	File Format	Compression	File Format (color)	Compression (color)	Compression Level (color)							
(Blank)	(Blank)	(Blank)	(Blank)	E-mail Address	File Format	Compression	File Format (color)	Compression (color)	Compression Level (color)							

*The above example is not applied in all models. Items that can be entered differ depending on models.

*Nothing is entered in " (Blank)". Even if data is entered accidentally, the data will not be accepted.

6.2.2. Data Entry Format Specification

Element	Data Type	Detail
DEST	Text (fixed)	DEST: Destination
ID	Number (1-)	Unique value in DEST.
Type symbol	Text (fixed)	Specify any of the following type symbols. FAX: FAX Rapid(Individual)/Speed Dial IFAX: Internet FAX DSMTP: Direct SMTP EMAIL: E-mail FTP: File server DESK: Desktop SMB: Network Folder GRP: Group VRTFA: Virtual FAX number *1 VRTMA: Virtual E-mail address *1 VRTIA: Virtual Internet FAX address *1 VRTDA: Virtual Direct SMTP address *1
Belong ID*2	Number (1-) + "/(Slash) "	ID of the data (group) that the target data belongs to. Write "5" if the data is registered as a member of ID5 group. Delimit with slash (/) if the data is registered as members of multiple groups.
Destination Name	Text (arbitrary)	
Search String	Text (arbitrary)	
Custom Index	Number (1-)	1: User 1 2: User 2 ...(continue)
Frequently Used	Number (0 or 1)	0: Not register as Frequently Used 1: Register as Frequently Used
Display Name	Text (arbitrary)	
FAX Number	Number + "*(asterisk) " "#(sharp) " "-(hyphen) "	
Transmission Speed	Number (0-4)	0: Not specified 1: 33600 BPS 2: 14400 BPS 3: 9600 BPS 4: 4800 BPS
Mode	Number (0-3)	0: Not specified 1: Mode 1 2: Mode 2 3: Mode 3
F-Code Setting	Number (0 or 1)	0: Perform F code registration. 1: Not perform F code registration.
Sub Address	Number + "*(asterisk) " "#(sharp) " " (space) "	
Pass Code	Number + "*(asterisk) " "#(sharp) " " (space) "	
Chain Setting	Number (0 or 1)	0: Not perform chain registration. 1: Perform chain registration.

FaxLine	Number (0-2)	0: auto 1: line1 2: line2 3: line3
E-mail Address	Text (arbitrary)	
File Format	Number (0-6)	0:TIFF-F 1:TIFF 2:PDF 3:JPEG 4:Encrypted-PDF 5:TIFF-S 6: XPS pdf-a docx pdfa-1a pptx rtf searchable-pdf txt xlsx
Compression	Number (0-5)	0: No compression 1:MH 2:MR 3:MMR 4:JBIG 5:JPEG
File Format (color)	Number (0-10)	0:TIFF-F 1:TIFF 2:PDF 3:JPEG 4:Encrypted-PDF 5:TIFF-S 6:XPS 7:Compact-PDF 8:Compact-Hq-PDF 9:Compact-Encrypted-PDF 10:Compact-Encrypted-Hq-PDF pdf-a compact-hq-pdf-a docx pdfa-1a pptx rtf searchable-pdf txt xlsx
Compression (color)	Number (0-5)	0: No compression 1:MH 2:MR 3:MMR 4:JBIG 5:JPEG black-char
Compression Level (color)	Number (1-100)	
Reception Report setting	Number (0 or 1)	0: Not request Reception Report. 1: Request Reception Report.
Hyperlink	Number (0 or 1)	0: Not perform hyperlink. 1: Perform hyperlink.
Host Name Setting	Number (0 or 1)	0: Not set 1:Set
Hostname/IP Address	Text (arbitrary)	

Process Directory	Text (arbitrary)	
User Name	Text (arbitrary)	
Password	Text (arbitrary)	
Port Number	Number	
Search Number	Number (1-)	Unique value in DEST (excluding virtual addresses)
SSL Setting	Number (0 or 1)	0:SSL setting invalid 1:SSL setting valid
CharCode	Number (1 or 3)	1: JIS 2: Shift JIS 3: EUC

*1 Multiple Fax numbers, e-mail addresses, Internet Fax addresses, and Direct SMTP addresses can be directly entered in one record in some models.

However since only one data can be entered in "destination number" or "e-mail address" elements in the other models, the second or later data is registered as virtual data (VRT**).

* Values that can be set are restricted depending on models.

For functions and settings not listed, it may no longer be eligible for conversion in the table above.

If the data in the excluded are included in the source data and the conversion will succeed, but the value is changed to the initial value of the MFP.

(For example, if it is set to "PDF / A" file format, because it is data excluded, it is changed to "PDF" converted in this utility.)

6.2.3. Group Member Registration Method

In "6.2.1 Data Entry Format, " the element for registering group members is not set.

To register group members, write the group ID that the target data belongs to in the "Belong ID" item of each data

Ex.) Register group data in ID5, ID1-4 Fax data as the members, group data in ID6, and ID 4 Fax data as the member.

(REF)DEST	ID	FAX	Belong ID	Destination Name	Search String	Custom Index	Frequently Used	Display Name	Fax Number	Transmission Speed	Mode	F-Code Setting	Sub Address	Pass Code	Chain Setting	Search Number
(REF)DEST	ID	GRP		Destination Name	Search String	Custom Index	Frequently Used	Display Name	Search Number							
DEST	1	FAX	5	DocumentSystem	d	1	0	DocumentSystem	0123-45-6789	1	0	1	1111	1111	0	1
DEST	2	FAX	5	InformationSystem	i	1	1	InformationSystem	01-1111-1111	1	1	0			1	2
DEST	3	FAX	5	DencaSystem	d	1	0	DencaSystem	02-2345-6789	1	2	0			0	3
DEST	4	FAX	5/6	TransmissionSystem	t	1	1	TransmissionSystem	03-9876-5432	1	3	0			0	4
DEST	5	GRP		SHARP	s	1	0	SHARP	5							
DEST	6	GRP		NARA	n	1	1	NARA	6							

* Lines that include " (REF) " at the beginning are header lines. They are ignored when files are read.

Header lines are not necessarily required to be inserted. However they are always inserted when editing files are created by the utility.

For details, refer to "6.4 Header Line."

Explanation)

"5" is written in Belong ID of ID 1-4 Fax data. (red circle in the figure)

This means that the target data is registered as a member of data (group) with ID 5.

The ID of the group that the target data belongs to is written in each registration data.

This specification avoids the problem in Microsoft Excel that only up to 255 bytes of characters can be entered in one cell.

When the target data is registered as members of multiple groups, delimit numbers with slash (/), as shown in Belong ID of ID 4.

6.2.4. Virtual Data (VRTFA, VRTMA, VRTIA, VRTDA)

Registered destination data as well as directly-entered destination data can be registered as group members in some models.

When directly-entered destination data is registered, set the following virtual data.

Directly-entered Item	Identification Symbol
FAX Address Data	VRTFA
Internet Fax Address Data	VRTIA
E-mail Address Data	VRTMA
Direct SMTP Address Data	VRTDA

Ex.) Register group data in ID 4, and ID 1-3 e-mail data as the members, and also register the user1@test.co.jp e-mail address and the ifax@test.co.jp I-Fax address with direct entry as the members.

(REF)DEST	ID	EMAIL	Belong ID	Destination Name	Search	Custom Index	Frequently Used	Display Name	E-mail Address	File Format	Compression	File Format(color)	Compression (color)	Compression	Search Number
(REF)DEST	ID	GRP		Destination Name	Search	Custom Index	Frequently Used	Display Name	Search Number						
(REF)DEST	ID	VRTMA	Belong ID	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	E-mail Address	File Format	Compression	File Format(color)	Compression (color)	Compression	
(REF)DEST	ID	VRTIA	Belong ID	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	E-mail Address	File Format	Compression	Reception Report	File Format (color)	Compression (color)	Compression Level(color)
DEST	1	EMAIL		DocumentSystem	d	1	0	DocumentSystem	doc@test.co.jp	6	3	6	5	50	1
DEST	2	EMAIL	4	InformationSystem	d	1	0	InformationSystem	info@test.co.jp	4	3	4	5	50	2
DEST	3	EMAIL	4	DencaSystem	d	1	0	DencaSystem	ele@test.co.jp	1	3	3	5	50	3
DEST	4	GRP		SHARP	s	1	0	SHARP							
DEST	4	VRTMA	4						user1@test	2		2			
DEST	4	VRTIA	4						ifax@test.co.jp	0					

ID = Belonging ID

Explanation)

Virtual Data ID must be the same as Belong ID.

This is because a directly-entered item must be virtually treated as one data.

6.3. Custom-Index

6.3.1. Data Entry Format

CINX	ID	CINX	(Blank)	Custom Index Name
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6.3.2. Data Entry Format Specification

Element	Data Type	Detail
CINX	Text (fixed)	CINX: Custom Index
ID	Number (1-)	Unique value in the category CINX
Type symbol	Text (fixed)	CINX: Custom Index
Custom Index Name	Text (arbitrary)	

6.4. Header Line

Header lines are added to editing files created by the utility to simplify entry and editing operations.

" (REF) " is added to the beginning of header lines. Lines that begins with " (REF) " are ignored when editing files are converted to the common Address Book.

* Lines that begins with " (REF) " are always ignored regardless of their positions in editing files.

Therefore header lines can be inserted anywhere as long as " (REF) " is added to the beginning.

*There is no problem if header lines are not included because types of registered data can be identified by its category and type symbol.

Appendix 1 Error Log List (Error Content List)

Error Content (Detail Explanation)
It is over the maximum entries for Destinations which can be registered.
It is over the maximum entries for FAX which can be registered.
It is over the maximum entries for I-FAX which can be registered.
It is over the maximum entries for E-mail which can be registered.
It is over the maximum entries for FTP which can be registered.※2
It is over the maximum entries for Desktop which can be registered.※2
It is over the maximum entries for Network Folder which can be registered.※2
It is over the maximum entries for Group which can be registered.※2
It is over the maximum member for Group which can be registered.※2
It is over the maximum entries for Custom Index which can be registered.
There are some data which have same ID.
There is no ID. Please input it.
The input form of ID is not correct, or it is beyond the number which can be registered.
Duplication registration of ID is carried out.※1
There is no Search Number. Please input it.
The input form of Search Number is not correct.
Duplication registration of Search Number is carried out.※1
There are some data which have same Search Number.
There is no Destination Name. Please input it.
The input form of Destination Name is not correct.
It is over the number of the maximum characters of Destination Name.
Duplication registration of Destination Name is carried out.※1
There is no Search String. Please input it.
The input form of Search String is not correct.
It is over the number of the maximum characters of Search String.
Duplication registration of Search String is carried out.※1
There is no Custom Index. Please input it.
The input form of Custom Index is not correct.
Duplication registration of custom index is not correct.※1
There is no Frequently Used. Please input it.
The input form of a Frequently Used is not correct.
Duplication registration of Frequently Used is carried out.※1
There is no Display Name. Please input it.
The input form of Display Name is not correct.
It is over the number of the maximum characters of Display Name.
Duplication registration of Display Name is carried out.※1

There is no Transmission Speed. Please input it.
The input form of Transmission Speed is not correct.
Duplication registration of Transmission Speed is carried out. ※1
There is no International Correspondence Mode. Please input it.
The input form of International Correspondence Mode is not correct.
Duplication registration of International Correspondence Mode is carried out. ※1
There is no F-Code Setting. Please input it.
The input form of F-Code Setting is not correct.
Duplication registration of F-Code Setting is carried out. ※1
There is no Sub Address. Please input it.
The input form of Sub Address is not correct.
It is over the number of the maximum characters of Sub Address.
Duplication registration of Sub Address is carried out.※1
There is no Pass Code. Please input it.
The input form of Pass Code is not correct.
It is over the number of the maximum characters of Pass Code.
Duplication registration of Pass Code is carried out.※1
There is no Chain Setting. Please input it.
The input form of Chain Setting is not correct.
Duplication registration of Chain Setting is carried out.※1
The F-Code Setting and Chain Setting cannot be performed effectively simultaneously. Please repeal either.
The F-Code is inconsistent with Sub Address.
There is no Fax Number. Please input it.
The input form of Fax Number is not correct.
It is over the number of the maximum digits of Fax Number.
Duplication registration of Fax Number is carried out.※1
There is no Enable LINE. Please input it.
The input form of Enable LINE is not correct.
There is no E-mail Address. Please input it.
The input form of E-mail Address is not correct.
It is over the number of the maximum characters of E-mail Address.
Duplication registration of E-mail Address is carried out.※1
There is no File Format. Please input it.
The input form of File Format is not correct.
Duplication registration of File Format is carried out.※1
There is no Compression. Please input it.
The input form of Compression is not correct.
Duplication registration of Compression is carried out.※1
There is no File Format(color). Please input it.
The input form of File Format(color) is not correct.

Duplication registration of File Format(color) is carried out.※1
There is no Compression(color). Please input it.
The input form of Compression(color) is not correct.
Duplication registration of Compression(color) is carried out.※1
There is no Compression Level(color). Please input it.
The input form of Compression Level(color) is not correct.
Duplication registration of Compression Level(color) is carried out.※1
The File Format is inconsistent with File Format(color).
There is no Hostname or IP Address. Please input it.
The input form of Hostname or IP Address is not correct.
It is over the number of the maximum characters of Hostname or IP Address.
Duplication registration of Hostname or IP Address is carried out.※1
There is no Process Directory. Please input it.
The input form of Process Directory is not correct.
It is over the number of the maximum characters of Process Directory.
Duplication registration of Process Directory is carried out.※1
There is no User Name. Please input it.
The input form of User Name is not correct.
It is over the number of the maximum characters of User Name.
Duplication registration of User Name is carried out.※1
There is no Password. Please input it.
The input form of Password is not correct.
It is over the number of the maximum characters of Password.
Duplication registration of Password is carried out.※1
There is no Port Number. Please input it.
The input form of Port Number is not correct.
Duplication registration of Port Number is carried out.※1
There is no Hyperlink Setting. Please input it.
The input form of Hyperlink Setting is not correct.
Duplication registration of Hyperlink Setting is carried out.※1
There is no Reception Report. Please input it.
The input form of Reception Report is not correct.
Duplication registration of Reception Report is carried out.※1
There is no Enable SSL. Please input it.
The input form of Enable SSL is not correct.
Duplication registration of Enable SSL is carried out.※1
There is no Custom Index Name. Please input it.
The input form of Custom Index Name is not correct.
It is over the number of the maximum characters of Custom Index Name.※1

There is no Login Name. Please input it.
The input form of Login Name is not correct.
It is over the number of the maximum characters of Login Name.
Duplication registration of Login Name is carried out.※1
There is no Specified Host. Please input it.
The input form of Specified Host is not correct.
Duplication registration of Specified Host is carried out. ※1
There is no CharCode. Please input it.
The input form of CharCode is not correct.
Duplication registration of CharCode is carried out.※1
There is no High Resolution. Please input it. ※2
The input form of High Resolution is not correct. ※2
Duplication registration of High Resolution is carried out. ※2
There is no Pasv. Please input it. ※2
The input form of Pasv is not correct. ※2
Duplication registration of Pasv is carried out. ※2
The input form of Public Key is not correct. ※2

*1 "****" is not added depending on models.

*2 "****" cannot be added.