

MP1570A
File Converter
Operation Manual

Third Edition

To ensure that the equipment is used safely, read the "For Safety" in the MP1570A SONET/SDH/PDH/ATM Analyzer Operation Manual first.
Keep this manual with the equipment.

ANRITSU CORPORATION

Safety Symbols

To prevent the risk of personal injury or loss related to equipment malfunction, Anritsu Corporation uses the following safety symbols to indicate safety-related information. Insure that you clearly understand the meanings of the symbols BEFORE using the equipment.

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Symbols used in manual

DANGER  This indicates a very dangerous procedure that could result in death or serious injury if not performed properly.

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CAUTION  This indicates a hazardous procedure or danger that could result in light-to-severe injury, or loss related to equipment malfunction, if proper precautions are not taken.

Safety Symbols Used on Equipment and in Manual

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This indicates a prohibited operation. The prohibited operation is indicated symbolically in or near the barred circle.



This indicates an obligatory safety precaution. The obligatory operation is indicated symbolically in or near the circle.



This indicates warning or caution. The contents are indicated symbolically in or near the triangle.



This indicates a note. The contents are described in the box.



These indicate that the marked part should be recycled.

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10 November 2000 (First Edition)
30 August 2002 (Third Edition)

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Table of Contents

1	Outline	1
2	Configuration	1
3	Operating Environment	1
4	Installation.....	1
5	Files for Conversion Object	2
5.1	FD Ver.1.00 files for conversion object.....	2
5.2	FD Ver.2.00 files for conversion object.....	3
6	Operation on Screen	4
6.1	Main Screen.....	4
6.2	Menu Bar	5
6.3	Conversion File Specification Screen.....	6
6.4	Output Destination Specification Screen	7
7	Screen Explanation during File Conversion.....	9
8	Error Screen List.....	11

1 Outline

This software is used to convert the file format (saved in a floppy disk) to the format compatible to the application software Ver.3.00 or the later, by the MP1570A SONET/SDH/PDH/ATM Analyzer (on application software Ver.1.XX or Ver.2.XX).

The stored files cannot be read without this conversion when your MP1570 is version-upped.

Before loading the file, convert it with this software.

2 Configuration

This software is composed of two floppy disks. Their contents are as follows.

Developed product	Outline
mp1570a.exe	Main program Contains one set of DDL which is called when main program mp1570a.exe is operated.

3 Operating Environment

PC	PC/AT compatible PC
Memory	32 MB or more
CPU	Pentium (r) Processor Intel MMX (TM) Technology
OS	Microsoft Windows98

4 Installation

Installation of this software is explained below.

- (1) Insert the Install Disk 1 to the floppy disk drive, and start the setup.exe.
- (2) After the Install Disk 1 is read, a dialog message prompts insertion of the Install Disk 2.

Insert the Install Disk 2, and click OK for the dialog.

After that, perform the installation following instructions on the screen.

5 Files for Conversion Object

5.1 FD Ver.1.00 files for conversion object

For FD Ver.1.00 files, this software can convert the files in the table below. If data conversion is “available,” version and binary data are converted to a readable format; while only version information is converted for others.

No.	Screen name	Data conversion	Data format
1	Measurement condition	Available	Binary
2	Analyze data (Error/Alarm)	Available	Binary
3	Analyze data (APS capture)	Available	Binary
4	Analyze data (Jitter tolerance)	Available	Binary
5	Analyze data (Jitter transfer)	Available	Binary
6	Analyze data (Jitter/Freq.)	Available	Binary
7	Analyze data (Jitter sweep)	Available	Binary
8	Analyze data (Wander)	Available	Binary
9	Analyze data (Live monitor)	Versions only	Binary
10	Analyze data (Traffic monitor)	Versions only	Binary
11	Analyze data (Cell capture)	Versions only	Binary
12	Analyze data (1-point CDV)	Versions only	Binary
13	Analyze data (2-point CDV)	Versions only	Binary
14	Analyze data (OH capture)	Versions only	Binary
15	Analyze data (Frequency)	Versions only	Binary
16	Table data (OH preset)	Versions only	Ascii
17	Table data (OH change)	Versions only	Ascii
18	Table data (Memorized cell)	Versions only	Binary
19	Table data (Payload data)	Available	Binary
20	Table data (APS programmable)	Versions only	Ascii
21	Table data (Jitter tolerance)	Available	Ascii
22	Table data (Jitter transfer)	Available	Ascii
23	Table data (Jitter sweep)	Versions only	Ascii

5.2 FD Ver.2.00 files for conversion object

For FD Ver.2.00 files, this software can convert the files in the table below. If data conversion is “available,” version and binary data are converted to a readable format; while only version information is converted for others.

No.	Screen name	Data conversion	Data format
1	Measurement condition	Available	Binary
2	Analyze data (Error/Alarm)	Versions only	Binary
3	Analyze data (APS capture)	Versions only	Binary
4	Analyze data (IP capture)	Versions only	Binary
5	Analyze data (Frame capture)	Versions only	Binary
6	Analyze data (Jitter tolerance)	Available	Binary
7	Analyze data (Jitter transfer)	Versions only	Binary
8	Analyze data (Jitter/Freq.)	Versions only	Binary
9	Analyze data (Jitter sweep)	Versions only	Binary
10	Analyze data (Freq. sweep)	Versions only	Binary
11	Analyze data (Wander sweep)	Versions only	Binary
12	Analyze data (Wander)	Versions only	Binary
13	Analyze data (Live monitor)	Versions only	Binary
14	Analyze data (Live monitor)	Versions only	Binary
15	Analyze data (Live monitor)	Versions only	Binary
16	Analyze data (Live monitor)	Versions only	Binary
17	Analyze data (Live monitor)	Versions only	Binary
18	Analyze data (Live monitor)	Versions only	Binary
19	Analyze data (Traffic monitor)	Versions only	Binary
20	Analyze data (Cell capture)	Versions only	Binary
21	Analyze data (1-point CDV)	Versions only	Binary
22	Analyze data (2-point CDV)	Versions only	Binary
23	Analyze data (Peak jitter)	Versions only	Binary
24	Analyze data (OH capture)	Versions only	Binary
25	Analyze data (Frequency)	Versions only	Binary
26	Table data (OH preset)	Versions only	Ascii
27	Table data (OH change)	Versions only	Ascii
28	Table data (Memorized cell)	Versions only	Binary
29	Table data (Payload data)	Versions only	Binary
30	Table data (APS programmable)	Versions only	Ascii
31	Table data (Jitter tolerance)	Available	Ascii
32	Table data (Jitter transfer)	Versions only	Ascii
33	Table data (Jitter sweep)	Versions only	Ascii
34	Table data (Freq. sweep)	Available	Ascii
35	Table data (Wander sweep)	Versions only	Ascii
36	Table data (S1 program data)	Versions only	Ascii
37	Table data (Jitter/Freq.)	Versions only	Ascii
38	Table data (IP packet)	Versions only	Binary
39	Table data (Frame memory)	Versions only	Binary

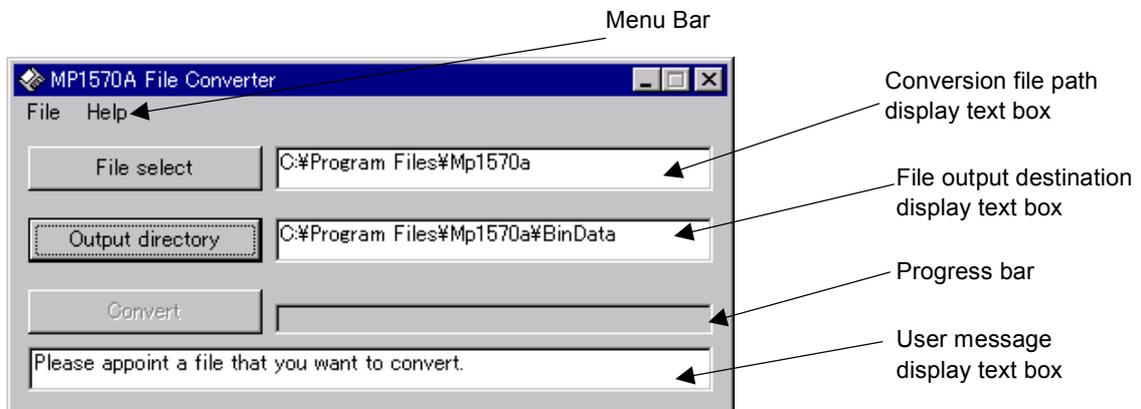
6 Operation on Screen

This section explains how to use this software to convert a file, as well as the names of screen components.

To start the software, execute MP1570A File Converter registered in the Windows Program Menu or mp1570.exe in the installation destination.

After executing the program, the Main screen shown in the next section is displayed.

6.1 Main Screen



- (1) Menu bar
Click this bar to display the next lower layer menu.
- (2) File select button
Click this button to display "Conversion file specification screen."
- (3) Conversion file path display text box
Displays the path to the file specified on the "Conversion file specification screen."
- (4) Output directory button
Click this button to display "File output destination specification screen."
- (5) File output destination display text box
Displays the path specified on the "File output destination specification screen."
- (6) Convert button
Converts the file specified in the "Conversion file specification screen," and saves the converted file in the folder of the output destination.
This button is enabled when a file is specified in the "Conversion file specification screen." This button is disabled in default.
- (7) Progress bar
Displays the progress of file conversion.
- (8) User message display text box
Displays a basic operation instructions, etc.

6.2 Menu Bar

- (1) [File]-[Exit]

Click here to terminate this software.

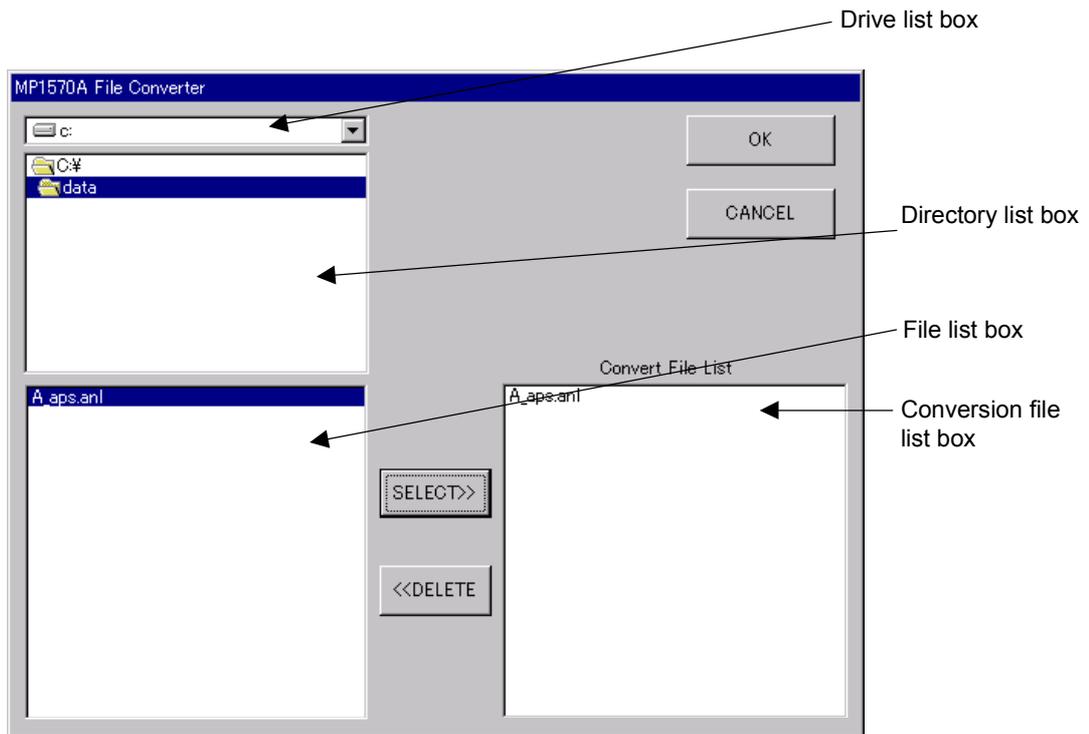
- (2) [Help]-[Version]

Click here to display the Version information screen shown below.



6.3 Conversion File Specification Screen

The screen shown below is displayed when the “File select” button in the Main screen is clicked.



- (1) Drive list box
Specify the drive (Drive A is specified in default).
- (2) Directory list box
Specify a folder.
- (3) File list box
Displays the file list in the folder specified in the “Directory list box.”
In addition, specify a conversion file in this list. Click the file in the list box and “SELECT” to select the file, then the file selected is registered in the conversion file list.
- (4) OK button
Click this button to close the screen, and return to the main screen.
Then the path to the folder specified in the “Conversion file path display text box” is displayed.
- (5) CANCEL button
Click this button to close the screen, and return to the main screen.
- (6) Conversion file list box
Displays the specified conversion files.
Files displayed in this list are converted all at once.
To remove a file from the list, click the file in the list and then click “DELETE” button.

(7) SELECT button

Select one of the files on the “File list box” and click this button to display the file in the “Conversion file list box.”

Up to fifty files can be selected, and then converted at once.

(8) DELETE button

Select a miss-selected file on the “Conversion file list box”, and then click this button to remove it from the list.

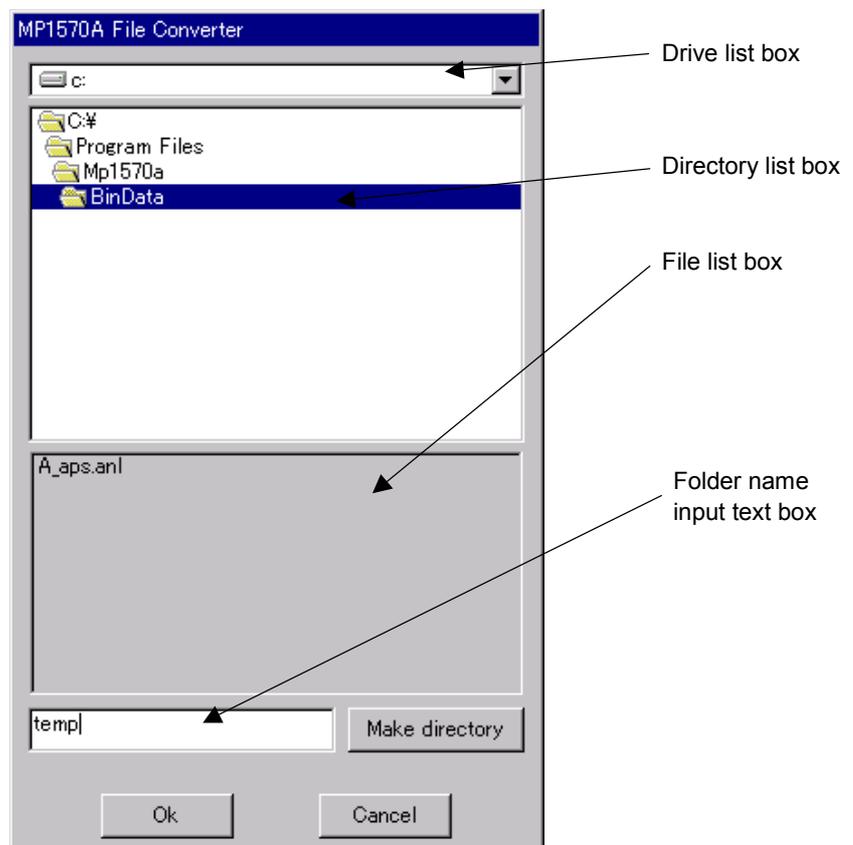
6.4 Output Destination Specification Screen

Click “Output directory” button on the Main screen to display the screen shown below.

The converted files are saved in the folder specified on this screen.

A converted file has the same name as before conversion.

The same drive or directory as the conversion file cannot be specified.



(1) Drive list box

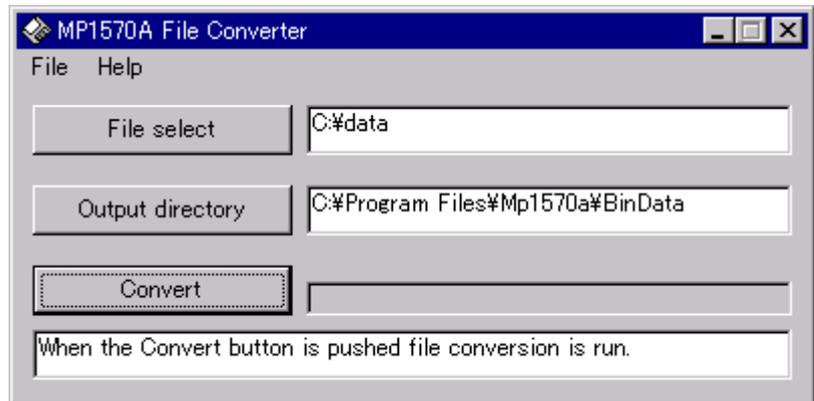
Specifies the drive for file output destination (The Output folder within this software is specified as default).

-
- (2) Directory list box
Specifies the folder for a file output destination.
The same path as that specified in “Conversion file specification screen” cannot be specified.
 - (3) File list box
Displays the file list in the file output destination folder specified in the “Directory list box.”
 - (4) Folder name input text box
Specify the folder name to be created.
 - (5) Make directory button
Click this button to display the following dialog.



- Click OK to make a folder (named as specified in the “Folder name input text box”) in the currently specified folder.
Click the “CANCEL” button to cancel making the file, and returns to the “File output destination specification screen.”
- (6) OK button
Click this button to close the screen, and returns to the Main screen. Then, a path to the folder (specified in the “File output destination display text box”) is displayed.
 - (7) CANCEL button
Click this button to close the screen, and returns to the Main screen.

7 Screen Explanation during File Conversion



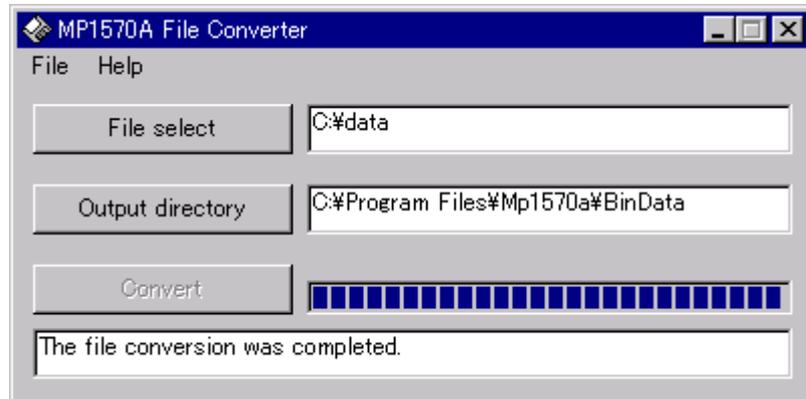
- (1) Click the “CONVERT” button on the Main screen to display the confirmation screen dialog box shown below.



- (2) Click “OK” to start conversion.
When conversion is completed, the confirmation screen dialog box shown below is displayed.
If the “CANCEL” button is clicked, file conversion is cancelled, and screen returns to the Main screen.



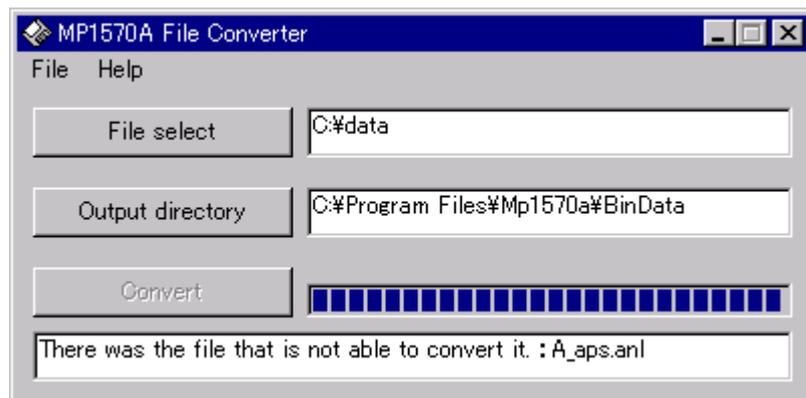
- (3) Click “OK” to return to the Main screen.



- (4) If any file is unable to be converted, the dialog box shown below is displayed.



- (5) Click “OK” to return to the Main screen.
Files that were not able to be converted are displayed in the “User message display text box.”



8 Error Screen List

If the “FILE SELECT” button is clicked when Drive A is specified as the conversion file path at the software start and no floppy disks are inserted, the following dialog is displayed.



If Drive A is specified in the Drive list box when no floppy disks are inserted, the following dialog is displayed.



If a folder is not able to be created on the “File output destination specification screen,” the following dialog is displayed.



If the same folder is specified on the “Conversion file specification screen” and “File output destination specification screen” and the “OK” button is clicked, the following dialog is displayed.



