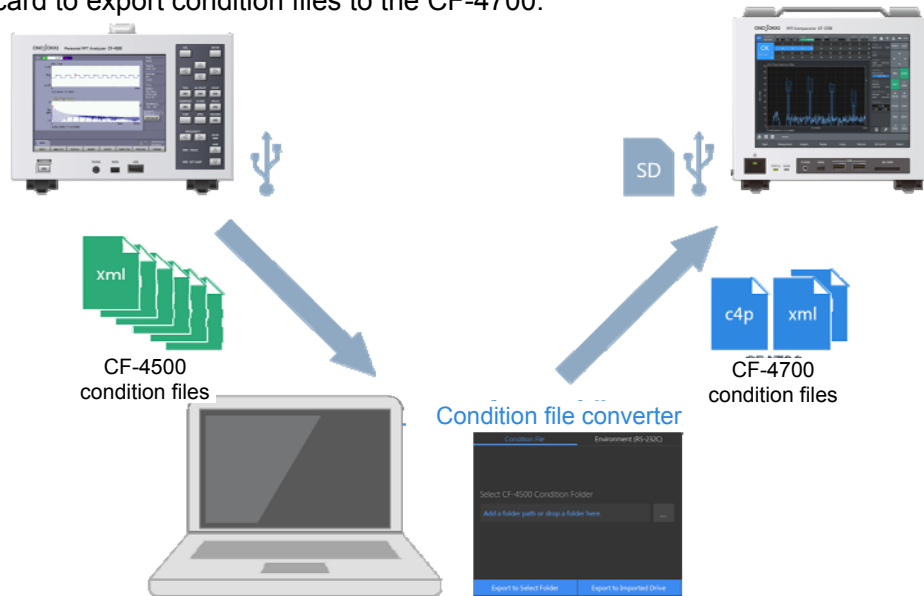


Condition File Converter for CF-4700 FFT Comparator

This application can be used to convert CF-4500 condition files to CF-4700 condition files. Use a USB flash drive to import condition files from the CF-4500, and use a USB flash drive or a SD card to export condition files to the CF-4700.



1. About the Application

1.1. Disclaimers

This application is provided free of charge to the customers using the CF-4700 FFT comparator. Before using the application, be sure to read and understand the following disclaimers.

Disclaimers

Ono Sokki does not provide any support for compatibility problems (failures caused by the use of this free application on specific hardware).
In addition, Ono Sokki does not be held liable for any damages or disadvantages incurred by the customer due to such failure.

1.2. Operation Environment

To execute this application, Windows 7 SP1 or later version is required in addition to Microsoft .NET 3.5.

This application has been verified for operation on Windows 7 (32/64 bit).

1.3. Starting and Closing Application

This application can be used without any installation wizards.

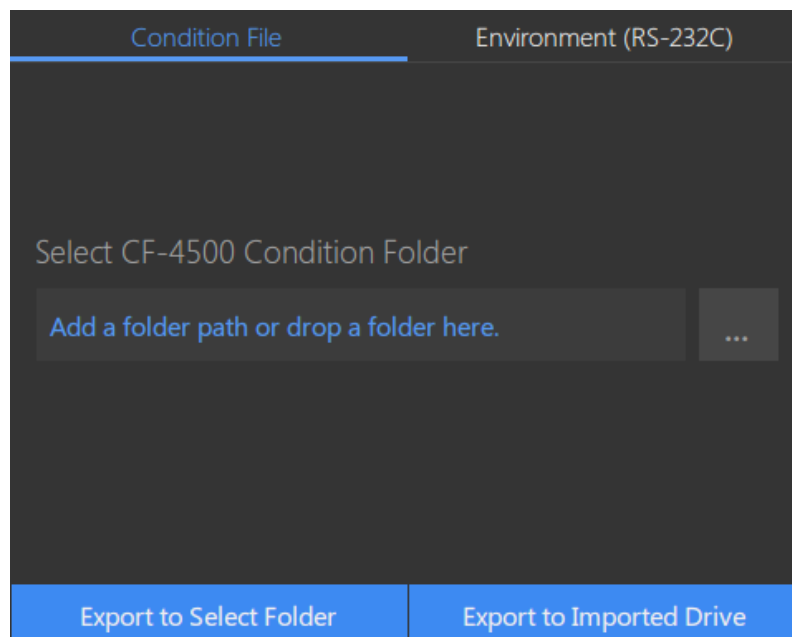
To start the application, execute **CF4700ConditionConverter.exe** supplied with this document.

To uninstall the application, just remove **CF4700ConditionConverter.exe**. No uninstallation wizards.

2. Operation

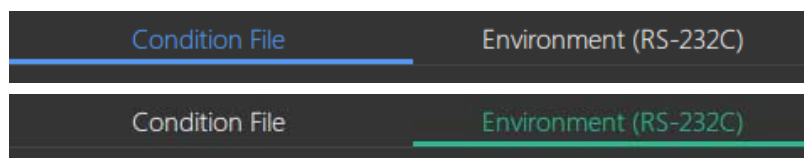
2.1. Starting Application

To start the application, execute **CF4700ConditionConverter.exe**. The following screen will be displayed.



2.2. Changing Modes

When you click the tabs at the top of the screen, you can switch two file conversion modes: Condition file mode and Environment mode.



Condition File

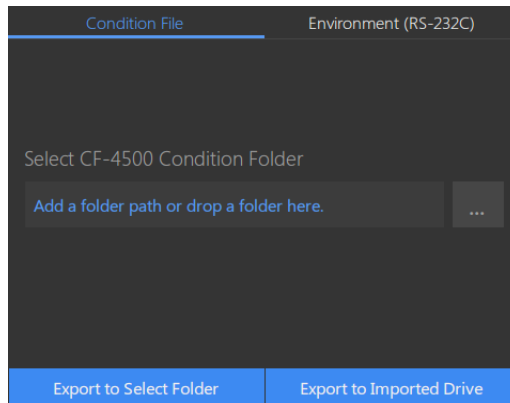
Allows you to convert CF-4500 condition files to CF-4700 condition files.

Environment (RS-232C)

Allows you to create a file to migrate the RS-232C settings to the CF-4700 that are not included in the CF-4500 condition files.

2.3. Condition File Mode

This mode can be used to convert CF-4500 condition files to CF-4700 condition files.



CF-4500 Condition Files

A configuration of condition for the CF-4500 consists of the six files as listed below. To convert condition files, all of the following files are required. For details about how to export the condition files from the CF-4500 to a USB flash drive, refer to the instruction manual of the CF-4500.

*NNN: Condition No.

File Name	Description
pnlMemLayoutNNN.xml	Relates to graph layout
pnlMemCalcNNN.xml	Relates to graph layout
pnlMemMeasureNNN.xml	Relates to measurement settings
pnlMemInfoNNN.xml	Relates to labels
pnlMemComparatorNNN.xml	Relates to comparator settings
pnlMemRelayNNN.xml	Relates to contact input/output

CF-4700 Condition Files

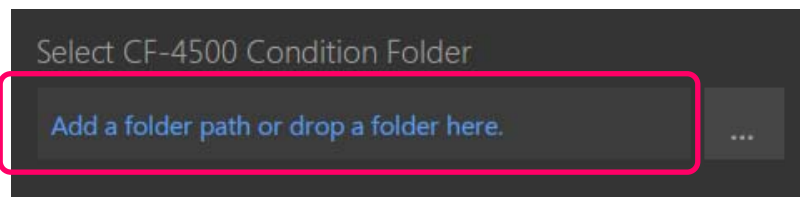
A configuration of conditions for the CF-4700 consists of the three files listed below.

*NNN: Condition No.

File Name	Description
NNN_ConditionFile.c4p	Relates to graph layout and measurement settings
NNN_CompareFile.xml	Relates to comparator settings
NNN_RelayFile.xml	Relates to contact input/output

◆ Specifying CF-4500 Condition Folder

To convert CF-4500 condition files, you need specify the folder that contains the CF-4500 condition files you want to convert. Once the file conversion is executed, all CF-4500 condition files in the specified folder will be converted to the CF-4700 condition files at a time. To specify the folder, enter the folder path in the following field with a red frame, or drag the folder in Windows Explorer and drop it in the field. You can also specify the folder with the brows button immediate right to the field by opening a dialog box that allows you to specify the folder.



◆ Exporting CF-4700 Condition Files

Execute the file conversion with the export button at the bottom of the screen. The CF-4500 condition file will be exported as a CF-4700 condition file.



[Export to Select Folder](#)

Allows you to select a folder from the folder selection dialog box, and exports a file to the selected folder.

[Export to Imported Drive](#)

Allows you to create a folder, **Onosokki CF-4700¥CF-4700¥Panel**, in the drive specified as a folder to store CF-4500 condition files, and exports a file to the created folder.

The CF-4700 recognizes files stored in the root folder, **Onosokki CF-4700¥CF-4700¥Panel**, of a USB flash drive or an SD card as condition files.

When you perform the file conversion by loading files from the USB flash drive, the **Export to Imported Drive** button is useful; you need not to specify a folder and copy the files to the specified folder.

For details about how to load the condition files from a USB flash drive or a SD card, refer to the instruction manual of the CF-4700.

2.4. Environment Mode

This mode can be used to create a file to migrate the RS-232C settings (environment settings) to the CF-4700 that are not included in the CF-4500 condition files.

Condition File	Environment (RS-232C)
Select Environment Condition	
RS-232C Setting	
BPS	9600 ▼
Character Bit	8 ▼
Parity Check	None ▼
Stop Bit	1 ▼
Flow Control	None ▼
Terminator	CR ▼
Export to Select Folder	Export to Desktop

◆ Selecting Environment Settings

Check the environment settings in the CF-4500, and configure the same settings as the CF-4500 for the following controls.

RS-232C Setting	
BPS	9600 ▼
Character Bit	8 ▼
Parity Check	None ▼
Stop Bit	1 ▼
Flow Control	None ▼
Terminator	CR ▼

◆ Exporting Environment Settings Migration Files

To export an environment settings migration file, click either of the **Export** buttons at the bottom of the screen. A file named **CF4700Environment.xml** will be created.



[Export to Select Folder](#)

Allows you to select a folder in the folder selection dialog box, and exports a file to the selected folder.

[Export to Desktop](#)

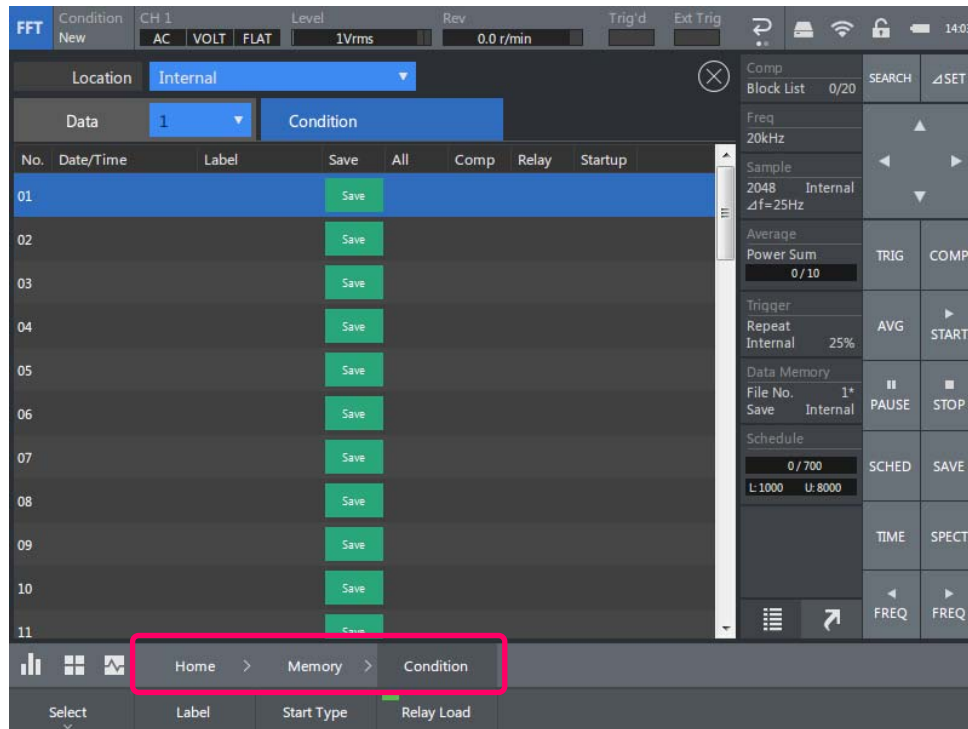
Exports a file to the desktop.

◆ How to Deploy Environment Settings Migration File to CF-4700

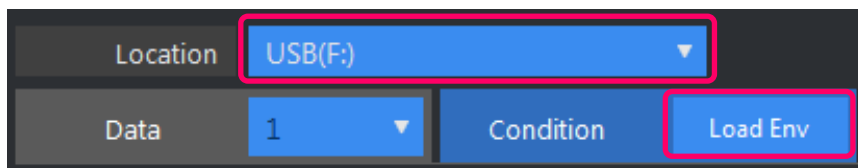
To migrate environment settings files to the CF-4700, deploy **CF4700Environment.xml** created in a USB flash drive or an SD card. Insert the USB flash drive or the SD card to the designated port at the front panel of the CF-4700 comparator.



Open the Condition Memory screen by operating the CF-4700 setting key.



When you select a USB flash drive or an SD card, to which **CF4700Environment.xml** is deployed, for Location, the **Load Env** button appears. Touching the **Load Env** button will migrate the environment settings to the CF-4700.



3. Important Notes

3.1. Settings to be Converted and Ignored

Some of the setting items cannot be directly converted due to differences in specifications between the CF-4500 and the CF-4700 as listed below.

Note that the CF-4700 does not inherit the graph collar settings and the grid drawing due to display factors.

Setting Item	CF-4500	CF-4700
Octave Bar Graph	On/Off	-
Display Select Fix	On/Off	-
List Num	Value (1 to 40)	10, 20, 30, or 40 * Set this parameter to the nearest but greater than the value set for Value in CF-4500.
Tracking Time Interval	Value (0.1 to 128)	0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 30, or 60 * Set this parameter to the nearest but smaller than the value set for Value in CF-4500.
Tracking Max Block Num	200, 400, 600, 800, 1000	-
Display Message Before Clear Tracking Data	On/Off	-
Order List	On/Off	Fixed to On
dB Cal	Value (-50 to +50)	-50, -40, -30, -20, -10, 0, 10, 20, 30, 40, or 50 * Set this parameter to the nearest but greater than the value set for Value in CF-4500.
Amp Level	10 mVrms, 31.6 mVrms, 100 mVrms, 0.316 Vrms, 1 Vrms, 3.16 Vrms, 10 Vrms, 31.6 Vrms	1 Vrms, 31.6 Vrms * Set this parameter to the nearest but greater than the value set for Value in CF-4500.

The total time of the constant time tracking in the CF-4700 (the corresponding setting is not available with the CF-4500) is calculated based on the product of the interval and the maximum number of blocks in the constant time tracking of the CF-4500.

3.2. Environment Settings that Cannot Be Converted

Environment settings cannot be migrated (except the RS-232C settings that can be migrated in the Environment mode), because they are not included in the CF-4500 condition files. The following lists the environment settings except the RS-232C settings.

Category	Setting Item
Condition	Fan On
	Shortcut
	Time Set
	Message Log
Condition > LAN Setting	IP Address
	Subnet Mask
Output > Beep	On/Off
	Average Done
	Average Done Type
	Trig'd
	Trig'd Type
	A/D Over
	A/D Over Type
	Compare End
	Compare End Type
	Compare NG
	Compare NG Type
Output > Phone	Volume
Memory	Auto Store
Memory > Data	Protect
Memory > Data > List	Set Active No
Memory > Data > Save Type	Text
	BMP
Memory > Panel Cond.	Set Active No
	Start Type
	Start Entry No
	Relay Load