

SONY[®]

SRP-F300 Digital Audio Processor

Back up tool (F300BU.exe) manual

Before you begin

This manual explains the use of the SRP-F300 "Back-up Tool". This tool allows an entire set of 50 programs to be downloaded to your PC from an SRP-F300 and stored as a single file.

In contrast to the "Control Software F300C.exe", which provides individual, real-time control of each parameter within a specific program, this "Back Up Tool" provides access to all of the program data stored in an SRP-F300 Processor including device and panel lock information.

The program data of the SRP-F300 Processor can be saved as a file on your PC and conversely, it is also possible to open the program file in your PC and upload it to the SRP-F300 Processor.

The "Back-up tool" has been thoroughly tested with the SRP-F300 Processor to provide maximum compatibility and convenience. To ensure smooth, trouble-free operation in actual applications, however, you should check and rehearse operations in the same conditions as the final installation environment.

Operating Environment

This program runs on a PC using the Windows® 95/98 operating system.

Connection to the SRP-F300 Processor is made via a serial communication port (COM port).

The PC display must provide more than 800 x 600 dot resolution and 256 color rendering performance.

An RS-232C cross-connection type cable is necessary for connection between the PC and the SRP-F300 Processor.

(Refer to page 3 "Connection between PC and SRP-F300 Processor".)

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Installation

In order to use the program, simply run the F300BU.exe file. Without the need to use other files and libraries, installation is simple and easy.

The F300BU.exe file can be copied into any folder of your choice on your PC.

Main functions of SRP-F300 Back Up Tool

The SRP-F300 Back Up Tool provides following functions:

- It is possible to download all 51 of the programs stored in the SRP-F300 including one current program data, the device and panel lock status from the SRP-F300 Processor. This can then be saved as a single file on a PC. The resulting file has the dedicated extension *.srb.
- It is possible to upload the data stored in an *.srb file to an SRP-F300 Processor therefore restoring the 51 internal programs of the SRP-F300 to those in the file.
- It is therefore possible to use this tool both to back up data in case of emergency, and to make an exact reproduction or "clone" of an SRP-F300 Processor.
- It is possible for the user to download one specific Program from an SRP-F300 and store it as an SRP-F300 Control Software file (*.srp). This file can then be used in the SRP-F300 Controller software (F300C.exe).
- It is possible for the user to select one specific program from within the *.srb file and then upload this to an SRP-F300 storing it with a specified program number.

Terminology

Program

A set of parameters that determines the total signal processing conditions inside an SRP-F300. The data of all parameters in the program is collectively called program data.

Up to 50 programs can be memorized in the SRP-F300 Processor.

Among the programs stored in the SRP-F300 Processor, the one in use is called the current program.

The current program is stored in a temporary storage area, separate from the remaining programs.

Technically speaking, therefore, the SRP-F300 Processor can hold up to 50 programs plus one current program.

*.srp File

Dedicated file extension created using the SRP-F300 Control software. In this file, one set of program data is stored as one file.

*.srb File

Dedicated file extension created using the SRP-F300 Back Up Tool software.

In addition to the 50 programs, the device information (maximum 256 characters) and the setting of the panel operation lock status is stored as one file.

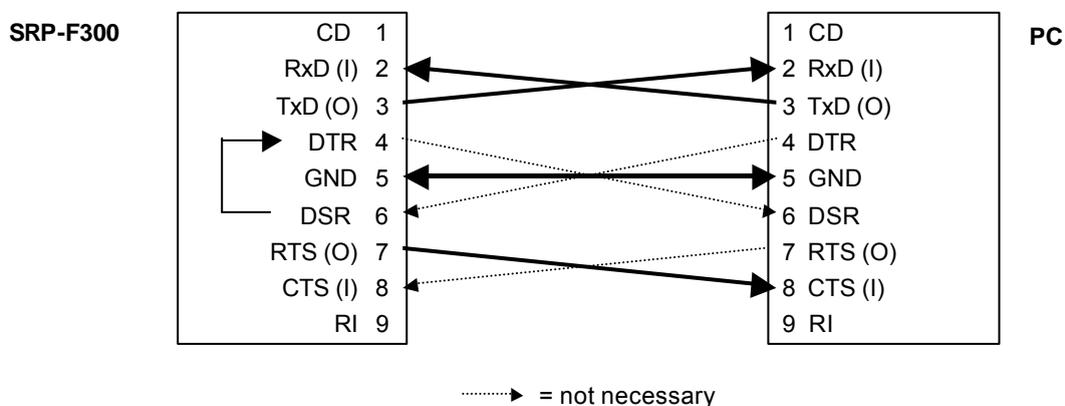
Connection between PC and SRP-F300 Processor

(the same as the SRP-F300 control software F300C.exe)

Before starting operation with the SRP-F300 Back Up Tool, a connection between the SRP-F300 Processor and the PC using an RS-232C cable must be made.

The rear panel of the SRP-F300 Processor offers a D-sub 9-pin male connector for remote connection to the PC.

Make sure to select a cable that contains cross-connections between Pins 2 and 3, as well as Pins 7 and 8.



REMOTE ID setting on an SRP-F300

A remote ID needs to be specified within the SRP-F300 in order to enable remote control of the SRP-F300 from the PC.

The remote ID is set on the SRP-F300 using a 2-digit number between 01 and 99.
(The default value is factory-preset at 01.)

Each SRP-F300 processor accommodates two REMOTE (RS-232C) connectors for daisy-chaining. When more than two units are daisy-chained, different remote ID's must be set on each SRP-F300 so that the PC can distinguish them individually.

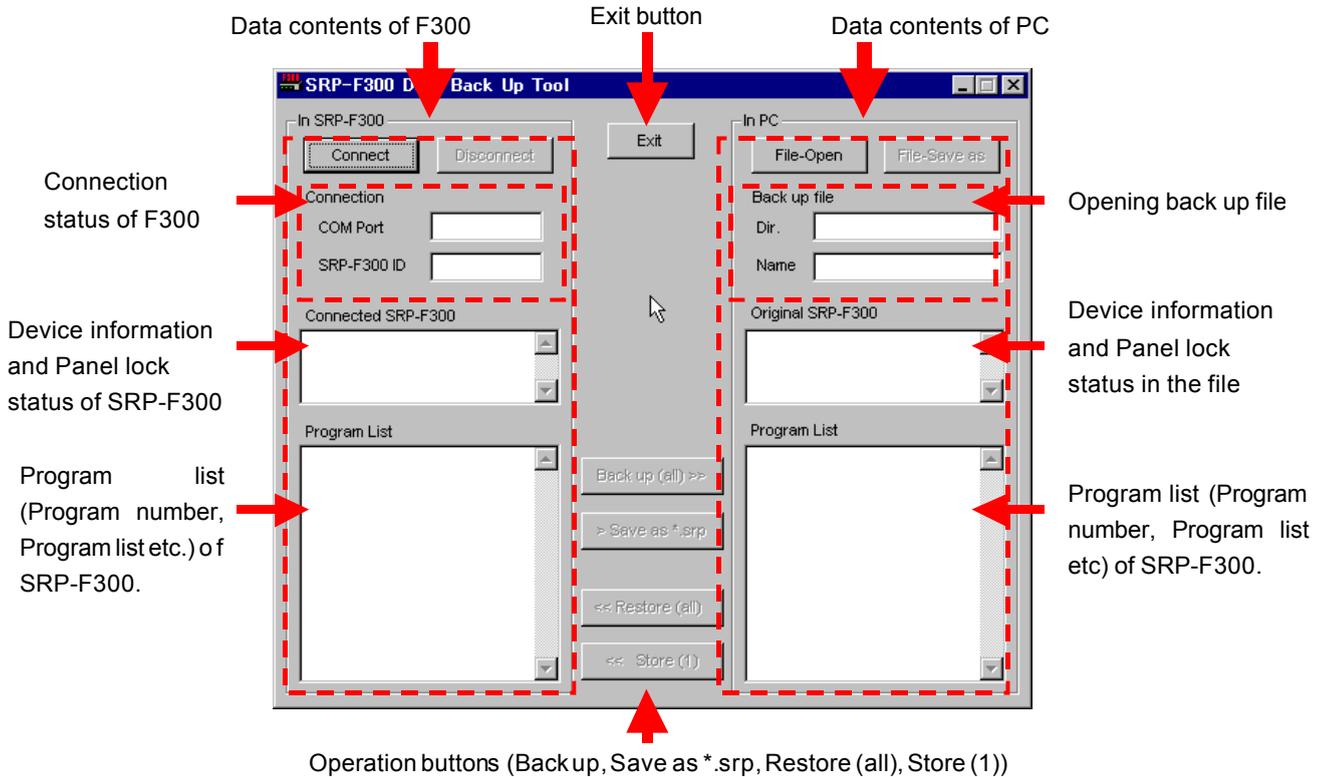
How to confirm / change REMOTE ID

1. Press the DISPLAY button, this illuminates the REMOTE ID indicator. Confirmation of the current numeric ID value of the unit is also displayed. (This display is automatically switched to indicate the program number in approx. 4 seconds, so proceed to the next step while the REMOTE ID light is still illuminated).
2. Press the UP or DOWN button once. The ID number will now start to flash, indicating that it is ready to be changed.
3. Repeatedly pressing the UP or DOWN buttons will increase/decrease the number in the display.
4. Press the RECALL/ENTER button when the desired number is displayed. Note— the ID number of the unit is not changed until the RECALL/ENTER button is pressed.
5. The number indication stays lit and operation is complete.
6. To quit in the middle of the ID modification process, simply stop operating the button. After approx. 8 seconds, the ID number is replaced by the current program number and the operations performed until then are ignored.

CAUTION:

The remote ID is not stored in an *.srb file as this is a hardware operation. The Back-up Tool, therefore cannot be used to back-up and restore the remote ID settings of an SRP-F300.

Operation Panel



The left half of the panel indicates the status of the connected SRP-F300:

Connected status of the SRP-F300:

COM port and REMOTE ID of the SRP-F300 can be chosen during connection.

“Connect” button is valid when the PC is not connected and “Disconnect” button is valid when it is connected.

Device information and Panel lock status of SRP-F300:

Device information and panel lock status of SRP-F300 can be viewed during connection.

This panel remains blank if no connection is made.

Program list of the SRP-F300 (Program number, Program name etc):

The program list appears during connection and remains blank if no connection is made.

Information about each program includes:

Program numbers (1 to 50), Recall lock setting, Protection settings, Program name

NB: “L” indicates Recall lock and “P” indicates Protected in this list.

The right half of the panel indicates the data in the selected *.srb recalled from the PC.

Opening back up file:

The Directory of the file and file name appear after an *.srp file is opened from the PC or a file is saved.

Device information and panel lock status:

Device information of the SRP-F300, which is stored in the *.srb file panel lock status appears here.

This panel remains blank until an *.srb file is downloaded from an SRP-F300 or opened from a PC file.

Program list of SRP-F300 in the file (Program number, Program name etc):

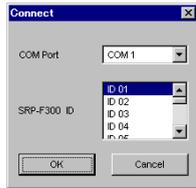
A list of 50 programs together with their relevant information (as above) appears here when an *.srb file is downloaded or opened

This panel remains blank until an *.srb file is downloaded or opened.

Backing up data from SRP-F300 (All data)

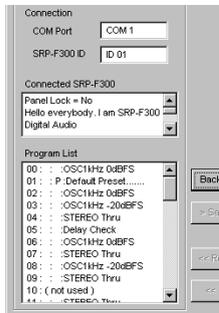


1) Set the REMOTE ID of SRP-F300 and connect SRP-F300 and PC with a cable.



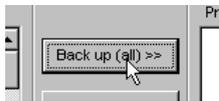
2) Click the "Connect" button to start connection.

3) Input the following in the dialog box opened by selecting "Connect".
 i) The COM port in use on the PC
 ii) The REMOTE ID of the SRP-F300 Processor that you want to connect to.
 Press the OK button.



4) If a connection is made successfully, the screen will now show the device information of the connected SRP-F300 and the program list which is stored in the unit. (It takes about 30 seconds to complete the list)
 Also, the "Back up (all)" button should now be active.

(Program number "00" means the current program.)

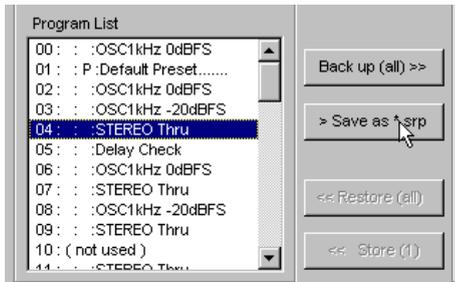


5) Click "Back up (all)" button. This should bring up a confirmation dialog box on the screen.
 Click "OK" button to start the download. (It takes about 1 minute to download all the data)

6) When download has completed, a back-up file saving dialog box appears on the screen. After that, specify directory and file name, and click the "OK" button to save the file.

Backing data from SRP-F300 (one program data)

1) Carry out Steps 1) – 4) in "Backing up data from SRP-F300 unit (all data)" as above.



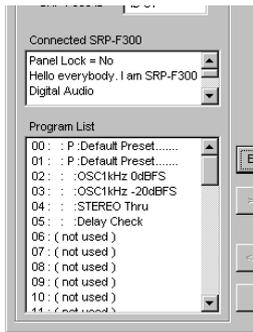
2) Specify a program from the Program List, and click "Save as *.srp" button to continue. After the "Save as *.srp" dialog box appears, specify the directory and the file name and click the "OK" button to save the file.

Restoring the data from back up files on PC (all data)

[CAUTION]

In this operation, the current program of SRP-F300 will be changed and unexpected sounds would come out from SRP-F300. Therefore before starting this operation, you had better disconnect the audio line connections to/from the SRP-F300.

1) Firstly, a connection must be made between the SRP-F300 and the PC in order to complete a communication. (The same operation as backing up)

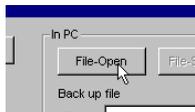


- 1-1) Set the REMOTE ID of SRP-F300, and connect SRP-F300 and PC with a cable.
- 1-2) Click the "Connect" button to start connection.
- 1-3) Select "COM port" and REMOTE ID in the dialog box and click the "OK" button.
- 1-4) If a connection is made successfully, a connecting SRP-F300 device information and a restored program list of the unit appears on the screen. (it takes about 30 seconds to complete a list)

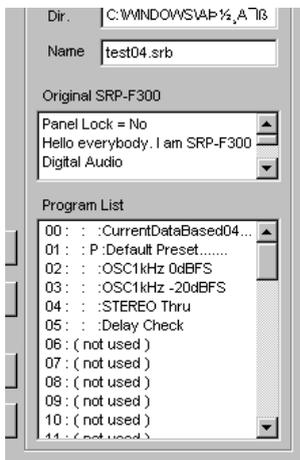
[CAUTION]

If a restore action is performed, then all old data in the SRP-F300 is erased. Please check this list carefully to see if it is OK to lose this data.

2) Open a back-up file from the PC. Note - It is possible to complete Step 1) or 2) first



2-1) Click the "File-Open" button. This brings up a dialog box. After that, specify a back up file (*.srb), and click "OK" button.



2-2) The contents of the specified *.srb file (including Program list) now appears on the screen.

Also, the "Restore (all)" button is activated.

3) Uploading Data

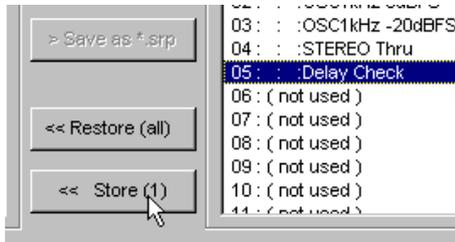


3-1) Click the "Restore (all)" button. This brings up a confirmation dialog box. Click the "OK" button to start uploading. (It takes about 2 minutes to upload all of the data)

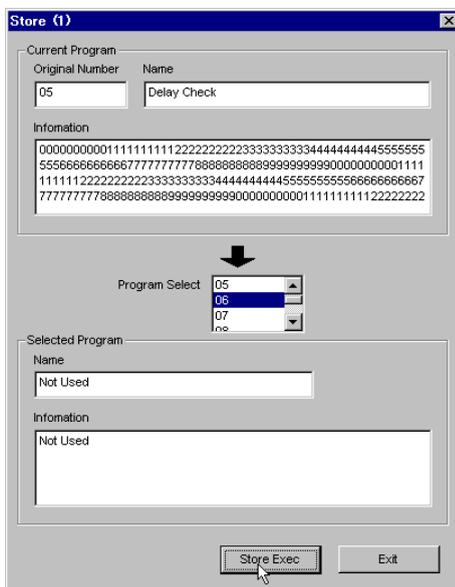
3-2) When restore has completed, a information dialog box appears on the screen.

Restoring the data from back up files on PC (one program data)

1) Carry out Steps 1) and 2) in "Restore the data from back-up files on PC (all data)" as above.



2-1) Specify a program by clicking on one program from the program list (see diagram to the left). Click a program from the program list (on the right hand side) to specify.



2-2) A dialog box now appears (see diagram to the left). Specify the program number in SRP-F300 that you want to store the specified program to and click "store Exec".