Software Update SurroundControl 31900/31960

General

The cross references point the attention to topics of the operating manual

With the SurroundControl units it is possible to update the operating system and the application by the use of a standard web-browser. Required software is available from RTW by request. It is also possible to import or to export user preset data or to upload wave file intros for the ident tones generators.

Please note:

Basically any software update will delete and replace the user and factory presets by the initial presets predefined from RTW.
Please make a note of all user specific settings you have made or export them with the update program to be able to reprogram them after the software update of the SurroundControl units.
The export (Chapter 8.2.3) or the import (Chapter 8.2.4) of user defined settings (User Presets) with the software update program is only possible with an installed software version **V 02.01.00** or higher!

Version number:
→ MENU → General Settings
see Chapter 6.4

Prepare for the software update as follows:

1. Copy all files that you have received into a folder (e. g. C:\31900_update) on your PC that is assigned to be used for the update sequence.

See Chapter 7.3.4 and Fig. 7-1

2. Connect the SurroundControl units by the use of a standard cat-5 LAN network cable with RJ-45 connectors to your network environment.

If you decide to update the software not through the network but by the use of a directly connected PC to the SurroundControl units, a cat-5 crossover cable with RJ-45 connectors must be used. Internet browser software must also be installed and ready to use on the PC.

3. Run the internet browser software and make sure that all necessary settings required for your networking setup are made.

If you decide to update the software not through the network but by the use of a directly connected PC to the SurroundControl units, it is necessary to define the connection settings of your internet browser for not using a proxy server and not using scripts.

- Settings for the Microsoft Internet explorer have to be made in the menu: Extras/Internet options/Connections/LAN settings/Presets
- Settings for Netscape navigator (Mozilla) have to be made in the menu: Edit/Presets/Advanced/Proxy

IP-Adress:→ MENU
→ Communication and Time
See Chapter 6.10

4. Look up the IP address of the SurroundControl units you like to update. This information can be found on the **Communications and Time** menu page (see Chapter 6.10).

5. Close the menu mode of the SurroundControl units by the use of the **Abort** function.

Proceeding a Software Update

Please note all user specific settings or make an export with software V 02.01.00 or higher (see Chapter Export).

Version number:
→ MENU → General Settings
see Chapter 6.4

A complete software update requires **four** files to be replaced in the Surround-Control units. **All four files must be used in the following order.** (xxxxxx represents the current software version code - also see 6.4 for details)

- "p31900_xxxxxx_**BSYS**"
- "p31900_xxxxxx_**FSYS**"
- "p31900_xxxxxx_**RDIS**"
- "p31900_xxxxxx_**CONF**"

After you have updated the first **three** files, the SurroundControl must be restarted.

The following figures show the software update sequence in more detail. **Please proceed them in the order described!**

1. Start your internet browser and enter the IP adress in the address field (e. g.: http://192.168.103.254, see Fig. 1) followed by the hit of the return (Enter) key.

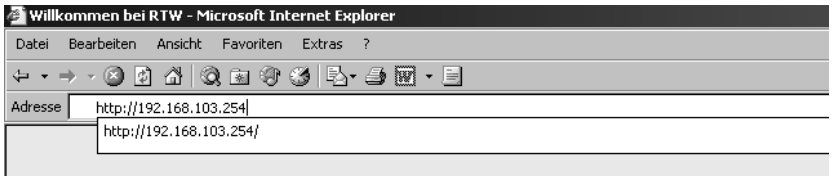


Fig. 1: Entering the IP-Adress

2. The SurroundControl should respond with a screen like the one shown in Fig. 2. Choose Software update.

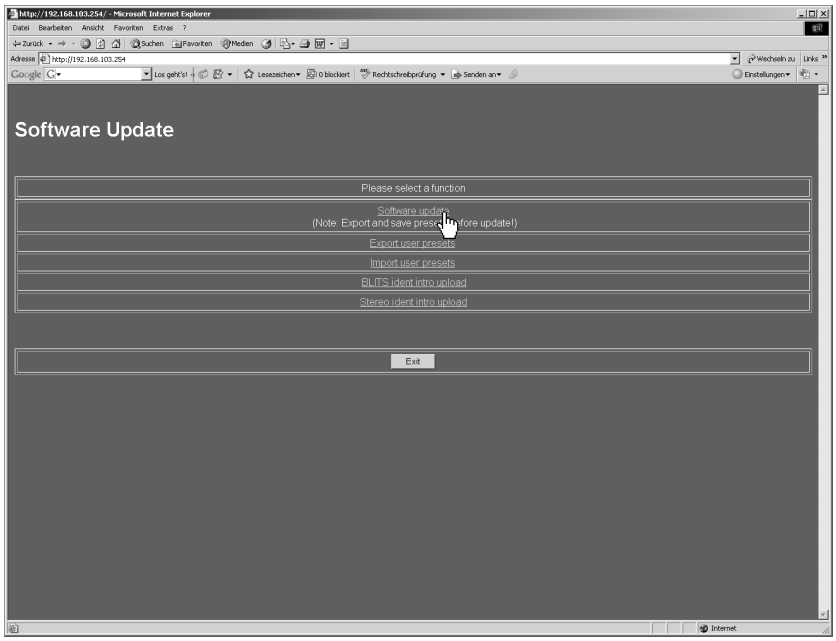


Fig. 2: Software Update Program menu in web browser

3. Select Browse ... (see Fig. 3).

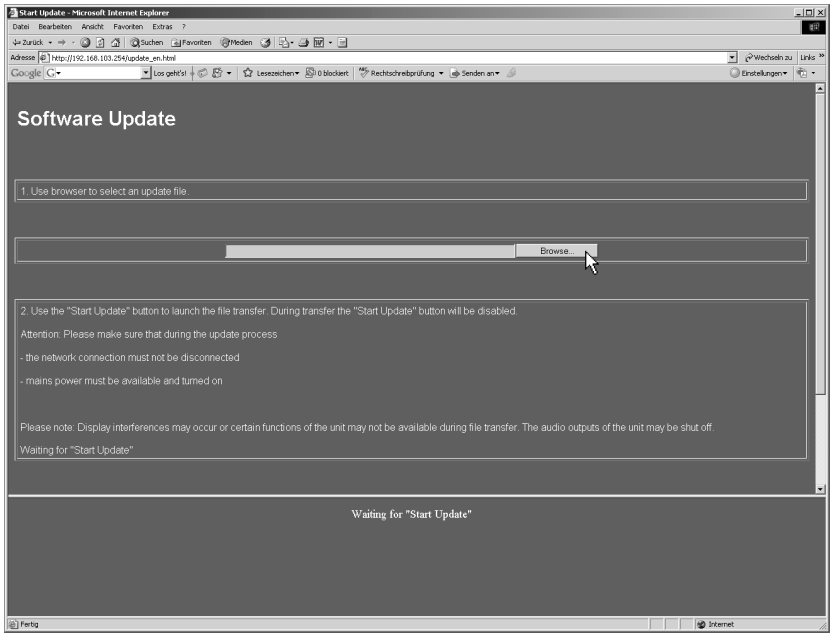


Fig. 3: Display of the Software Update menu page (Browse ...)

Version number:
→ MENU → General Settings
see Chapter 6.4

4. Use the displayed dialog to select the directory path where you have stored the **four** update files. Select the file **p31900_xxxxxx_BSYS** first (see Fig. 4). xxxxxx represents the current software version code (also see Chapter 6.4 for details).

Note:
The use of mixed version codes is not permitted. Malfunctioning of the SurroundControl units may result.

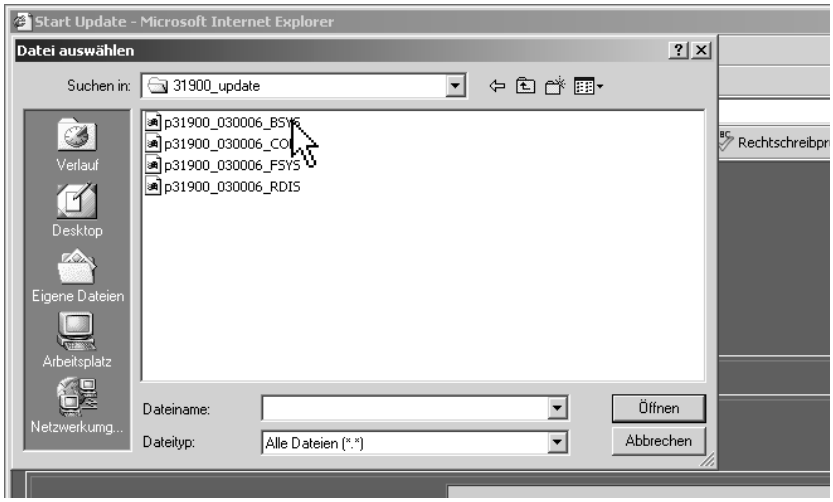


Fig. 4: The update file selection dialog box

5. After selecting the update file move the menu page upward by moving downward the grey scrollbar on the right (see mouse pointer in Fig. 5).

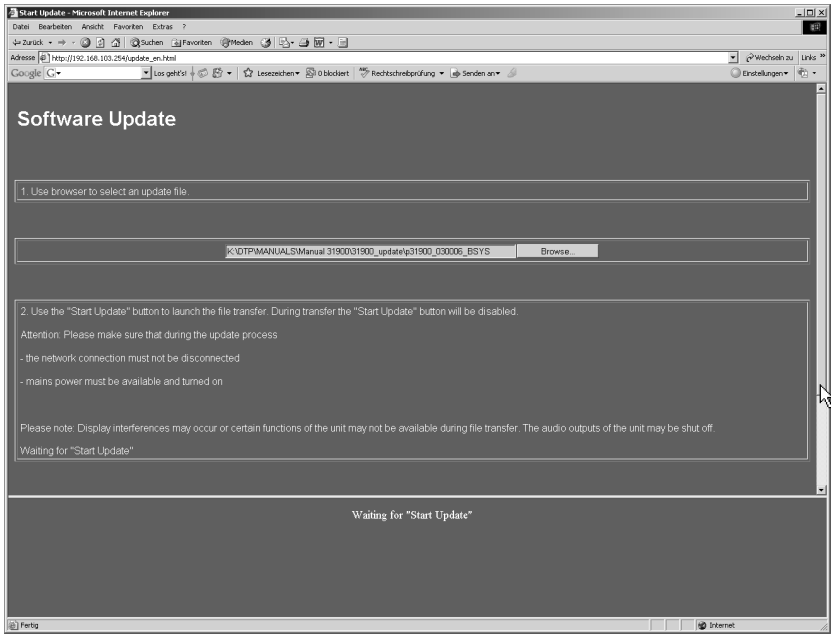


Fig. 5: Selection of the update file and moving the menu page with the scrollbar



6. Press Start update to start the update process (see Fig. 6). **Please make sure that no interruption of the network access or supply power occurs during the download sequence.**

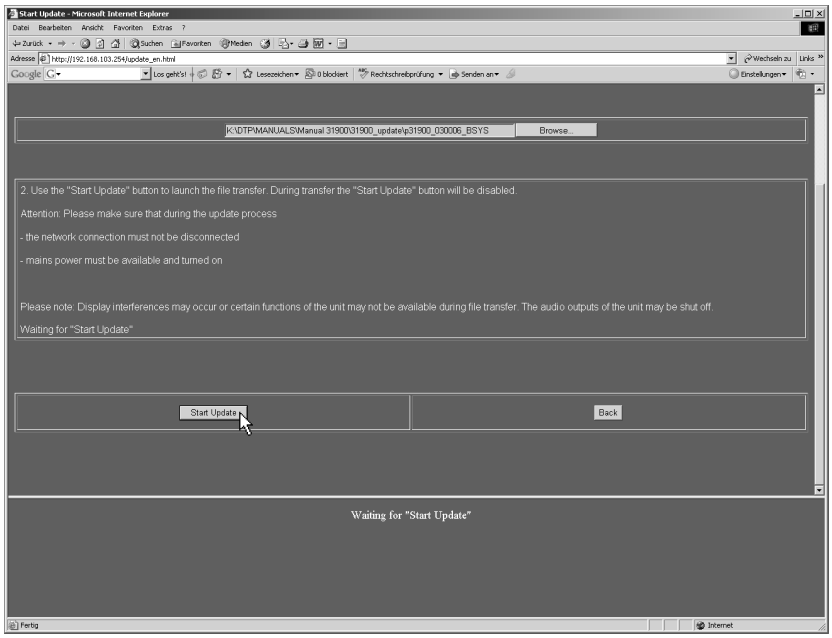


Fig. 6: Starting the update process with the selected update file

7. A bar on the lower end of the update window on the PC reads the data transfer progress (see Fig. 7).

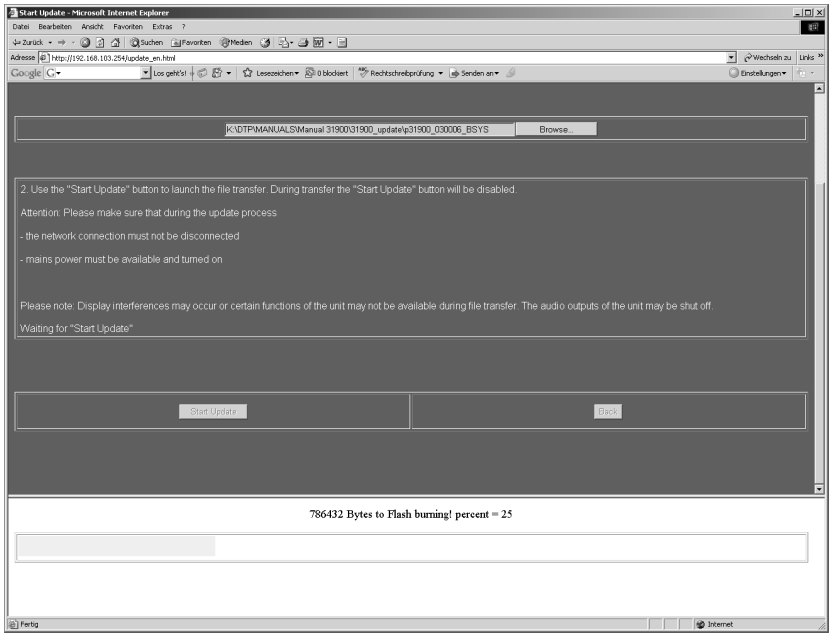


Fig. 7: Progress of the data transfer of the selected update file

8. The download is finished when the message “Please make power off after all nessecary files have been transmitted. You can transfer multiple files before power off” is displayed (see Fig. 8). Please do **not** switch off the SurroundControl units but proceed with step 9.

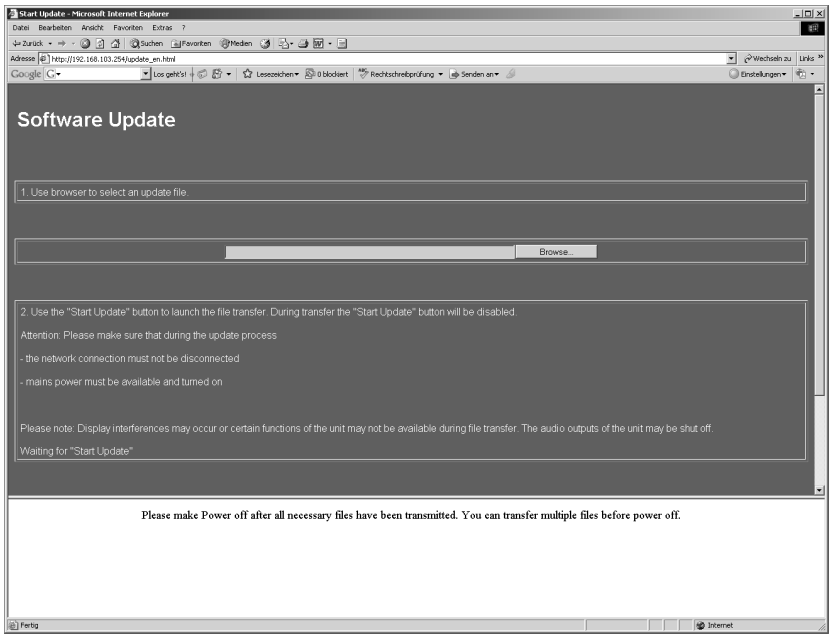


Fig. 8: End of the data transfer of the selected file

9. Use the displayed dialog (see Figs. 8-10 and 8-5) to select (Browse ...) the **second** of the four update files.
   Select the file **p31900_xxxxxx_FSYS**. Repeat steps 4 to 8.

10. Use the displayed dialog (see Figs. 8-10 and 8-5) again to select ("Durchsuchen") the **third** of the four update files.
    Select the file **p31900_xxxxxx_RDIS**. Repeat steps 4 to 8.

A restart must be processed after third file transfer!



11. **Now** its time to **restart** the SurroundControl units **before** transferring the fourth update file. Please wait approx. 5 sec. after shut down of the unit before you power it up again.

12. After the SurroundControl units has rebooted re-establish the connection between your web browser and the SurroundControl units as described with steps 1 to 3.

13. Use the displayed dialog (see Fig. 8-5) to select (Browse ...) the **fourth** of the four update files.
    Select the file **p31900_xxxxxx_CONF**. Repeat steps 4 to 8.

14. If the download of the p31900_xxxxxx_CONF file is completed you must **reboot** the SurroundControl units again. Please wait approx. 5 sec. after shut down of the unit before you power it up again.

Version number:
→ MENU → General Settings
see Chapter 6.4



15. After the SurroundControl units has rebooted its ready to use with the new software version. You will find the current used version code of the application in the About-info frame of the General settings menu.

16. If the software update was proceeded to an installed software version **V 02.01.00** and then updated to a **higher** version the exported user settings (see Chapter Export) now can be **imported**. Therefore please follow the instructions of Chapter Import!

The export is only possible with an **installed** version **V 02.01.00** or higher!

Proceeding the export of the User Presets

The following figures show the export sequence in more detail.
For the following example sequence we assume that the IP address of your SurroundControl units is 192.168.103.254.

1. Start your internet browser and enter http://192.168.103.254 in the address field (see Fig. 9) followed by the hit of the return (Enter) key.

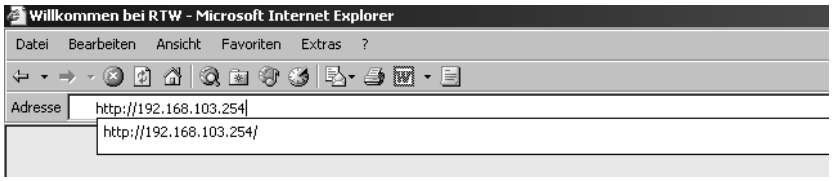


Fig. 9: Entering the IP adress

2. The SurroundControl units should respond with a screen like the one shown in Fig. 10. Choose Export user presets. **Please note the instructions on the Export menu page** (see Fig. 11).

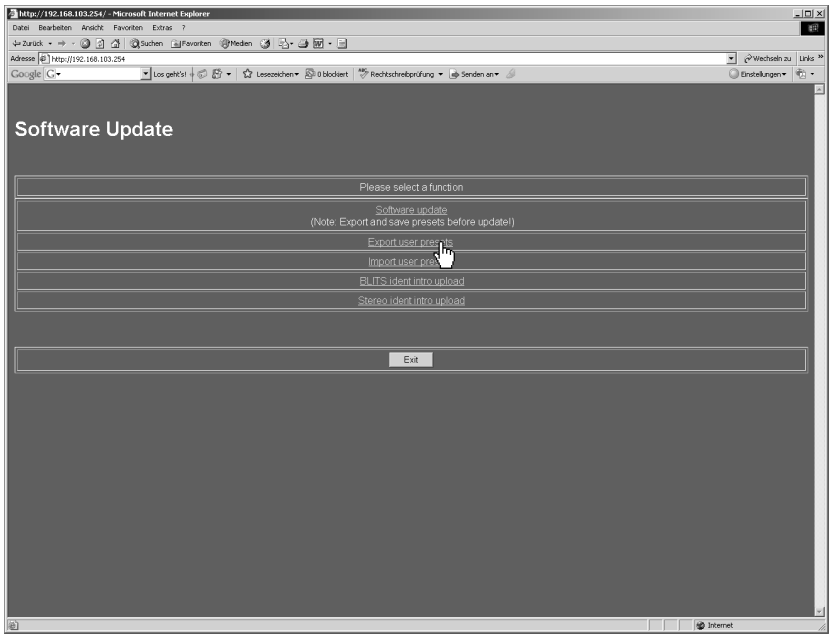


Fig. 10: Software Update Program menu in web browser

3. Please click the Export button (see Fig. 11).

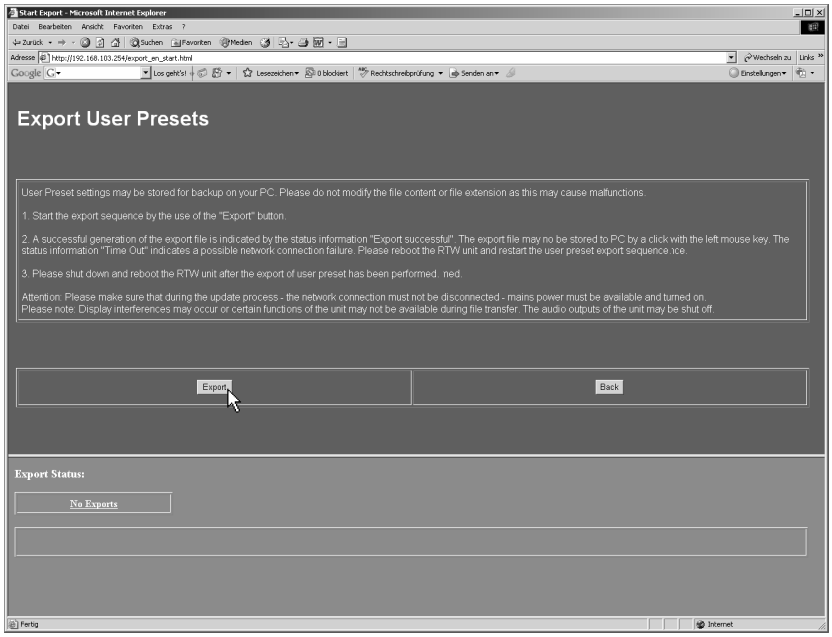


Fig. 11: Display of the Export menu page

4. The export of the user setting data starts (see Fig. 12). “Generating Export File” is displayed, a starline is showing the progress of the export.

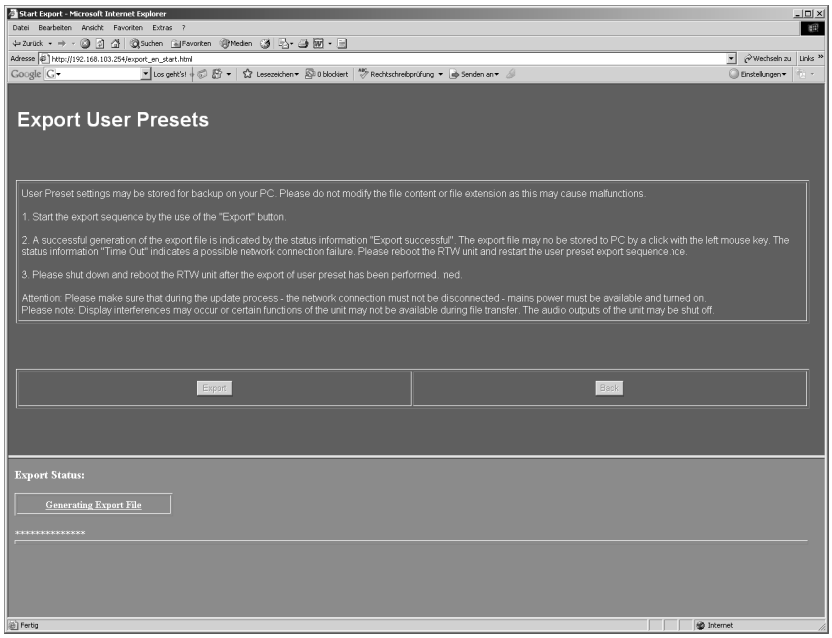


Fig. 12: The export is running

5. When the Export Status turns to the blue labelled “Export succesfull” (see Fig. 13) the export file can be saved. Please click Export succesfull.

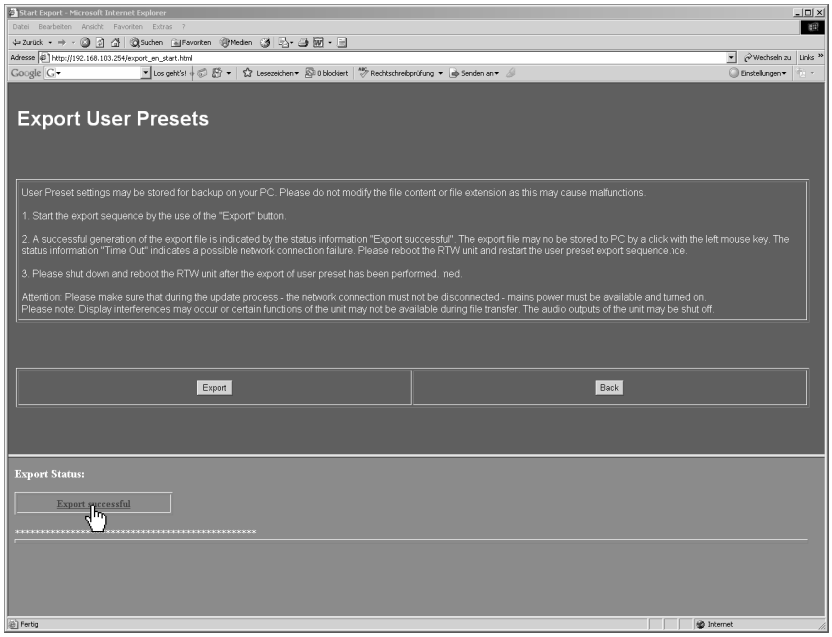


Fig. 13: The export file has been generated and can de saved

6. The file download dialog box appears (see Fig. 14). Please click Save (“Speichern”).

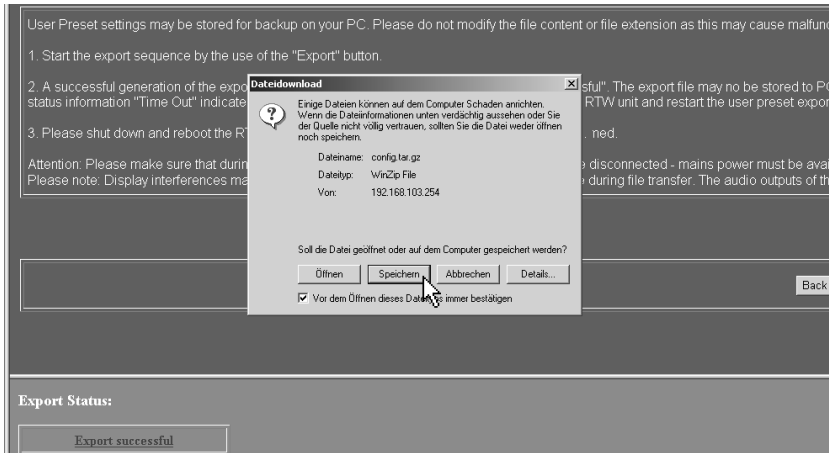


Fig. 14: The file download dialog

7. The save file as (“Datei speichern unter”) dialog box is shown. Choose the folder (e. g. C:\31900_Update) for saving the export file config.tar.gz (see Fig. 15).

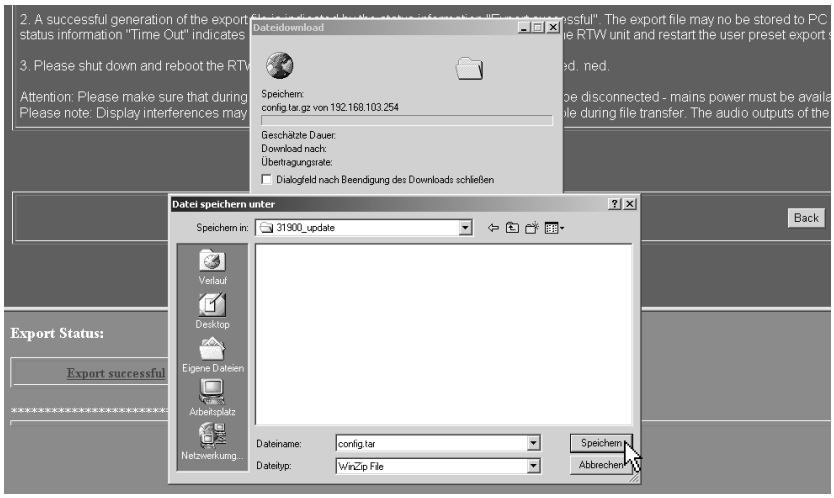


Fig. 15: Choose the folder for saving the export file

8. When saving the file was successful please click the Back button (see Fig. 16) to get back to the home page (see Fig. 10).

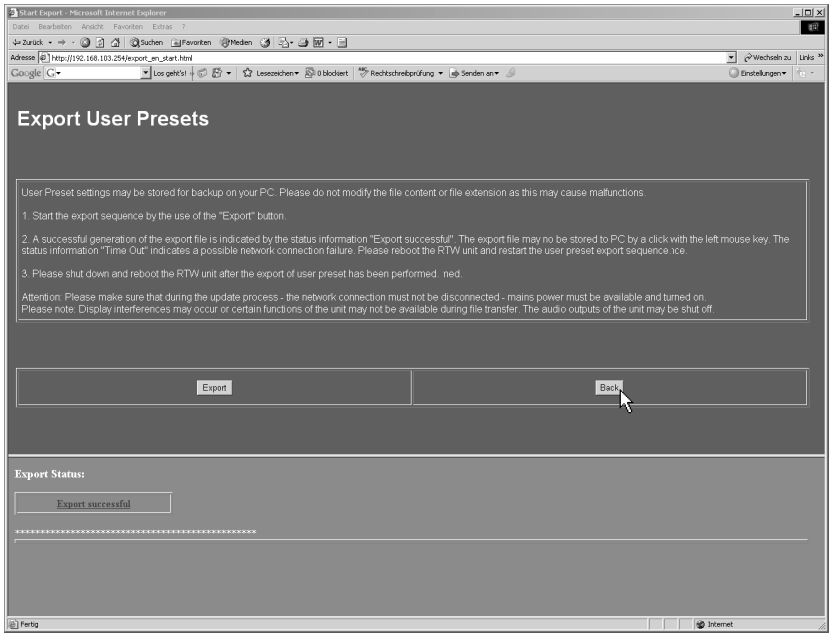


Fig. 16: End of the export progress

9. If you want to proceed a software update please click Software Update on the home page. Please follow the instructions in Chapter Software-Update.

10. If you want to leave the update program please click the Exit button (see Fig. 10). The SurroundControl units have to be restarted. Please wait approx. 5 s after shut down of the unit before you power it up again.

The import is **only** possible with an **installed** version **V 02.01.00** or higher!

Proceeding the import of the User Presets

The following figures show the import sequence in more detail.
For the following example sequence we assume that the IP address of your SurroundControl units is 192.168.103.254.

1. Start your internet browser and enter http://192.168.103.254 in the address field (see Fig. 17) followed by the hit of the return (Enter) key.

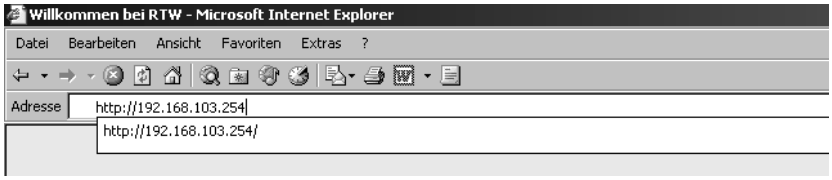


Fig. 17: Entering the IP-Adress

2. The SurroundControl units should respond with a screen like the one shown in Fig. 18. Choose Import user presets. **Please note the instructions on the Import menu page** (see Fig. 19).

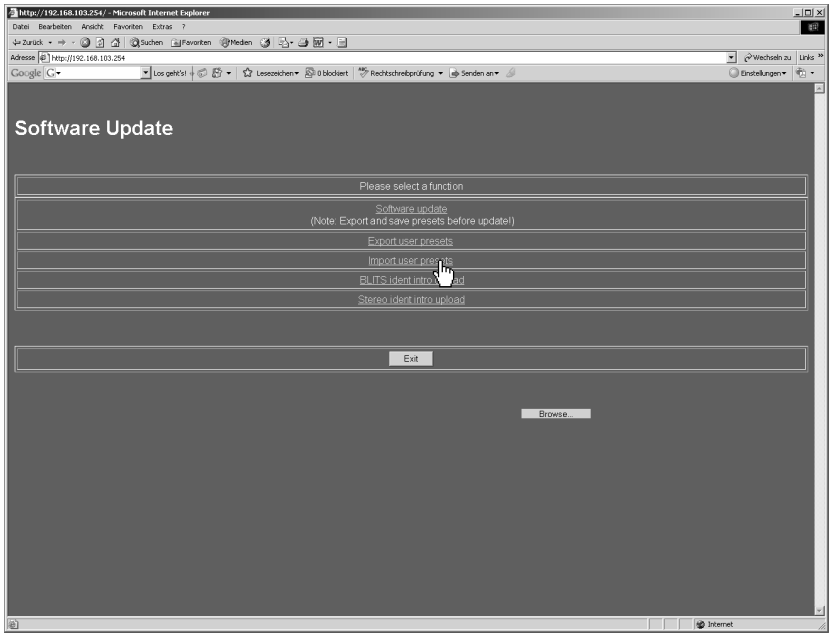


Fig. 18: Software Update Program menu in web browser

3. Please click the Browse ... button (see Fig. 19) to browse for the user settings data file.

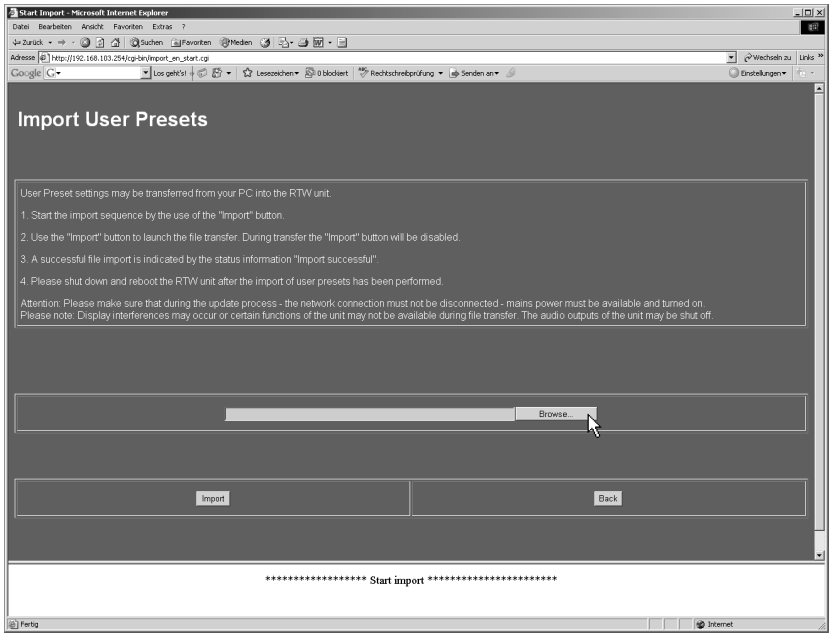


Fig. 19: Display of the Import menu page (Browse ...)

4. Choose the folder (e. g.: C:\31900_update) with the user settings data file and click the file config.tar.gz (see Fig. 20).

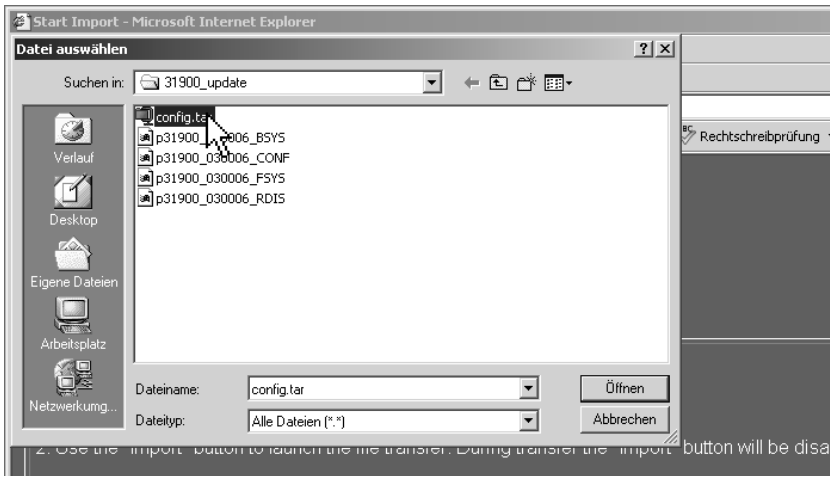


Fig. 20: The import file selection dialog box (config.tar.gz)

5. A click to the Import button starts the data transfer to the SurroundControl units (see Fig. 21). If the Import button is not visible move the menu page upward by using the scrollbar on the right. **Please make sure that no interruption of the network access or supply power occurs during the download sequence.**

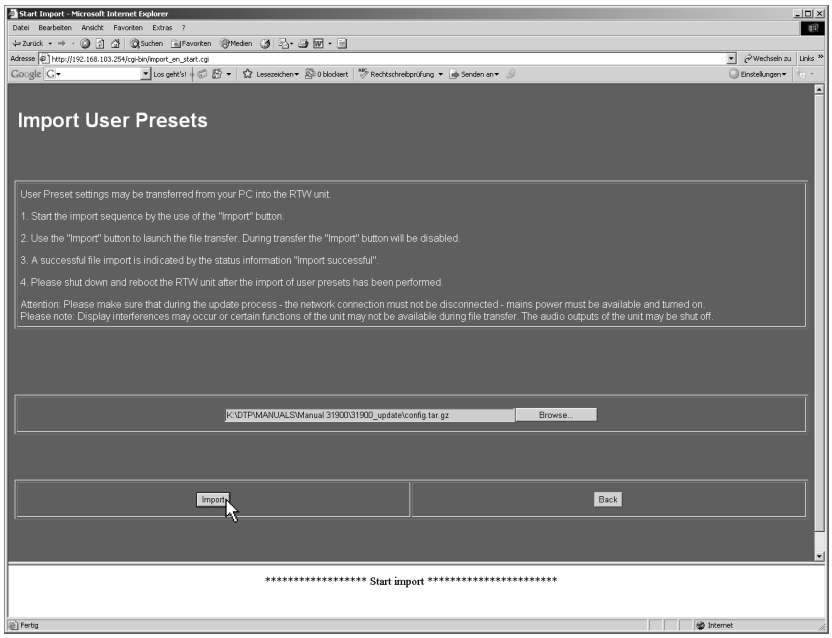


Fig. 21: Starting the import

6. “Create config file” is displayed while the transfer is running (see Fig. 22).

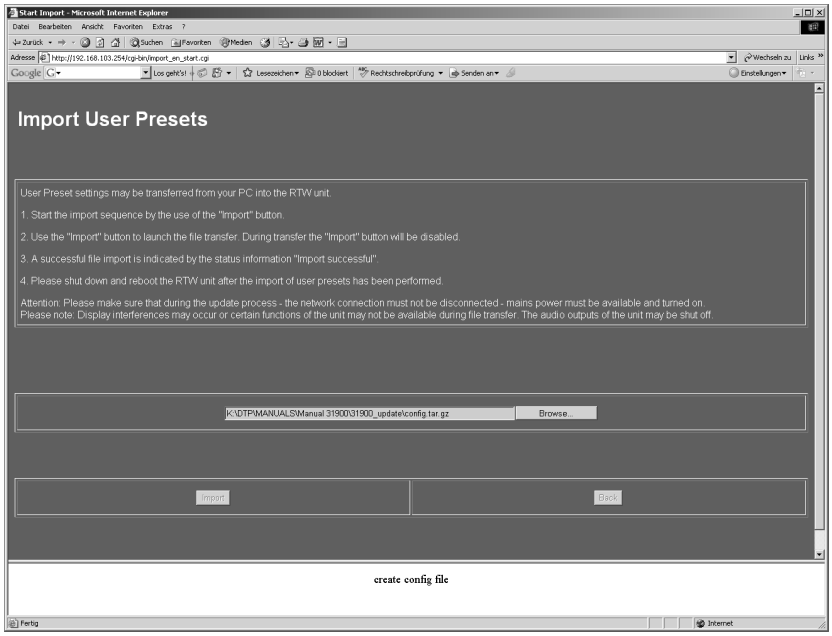


Fig. 22: The data transfer of the user settings is running

7. When “Import successful - PLEASE MAKE POWER OFF” is displayed the Import process is finished (see Fig. 23). For activating the imported user settings the SurroundControl units have to be restarted.

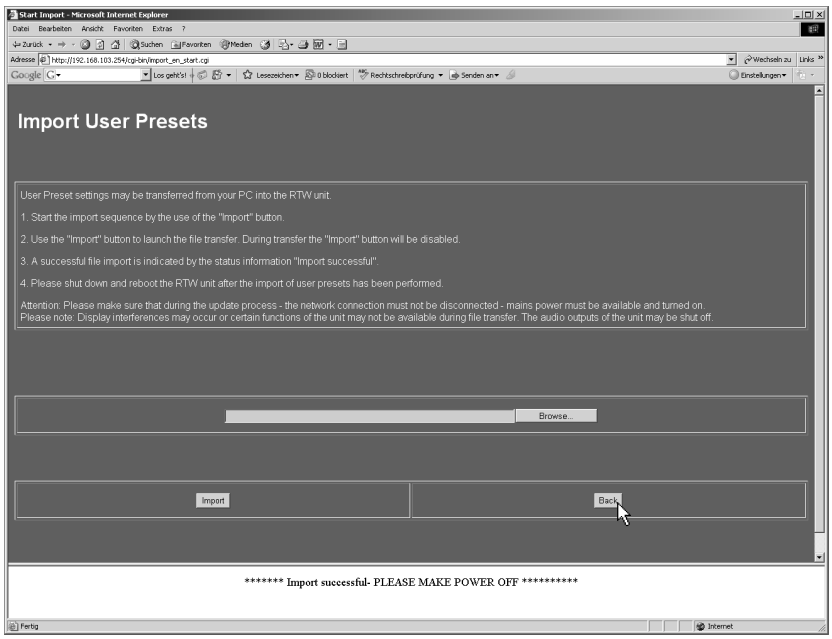


Fig. 23: End of the import of the user settiings

8. Click the Back button (see Fig. 23) to get back to the home page (see Fig. 8-20). There please click Finish to leave the software update program.

9. Please wait approx. 5 sec. after shut down of the unit before you power it up again.

10. When the SurroundControl units are rebooting, the imported user settings will be configured und activated. Then it is ready to use.

The BLITS ident intro upload is **only** possible with an **installed** version **V 03.00.06** or higher!

Proceeding a BLITS ident intro upload

The following figures show the upload of a BLITS resp. surround ident intro in detail. The intro wave file has to be 8-bit mono and can have a size of up to 500 kB. For the following example sequence we assume that the IP address of your SurroundControl unit is 192.168.103.254.

1. Start your internet browser and enter http://192.168.103.254 in the address field (see Fig. 24) followed by the hit of the return (Enter) key.

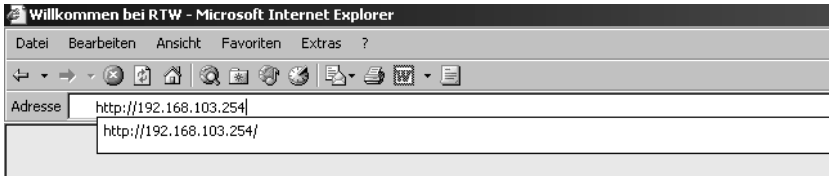


Fig. 8-24: Entering the IP-Adress

2. The SurroundControl units should respond with a screen like the one shown in Fig. 8-25. Choose BLITS ident intro upload. **Please note the instructions on the BLITS ident intro upload menu page** (see Fig. 26).

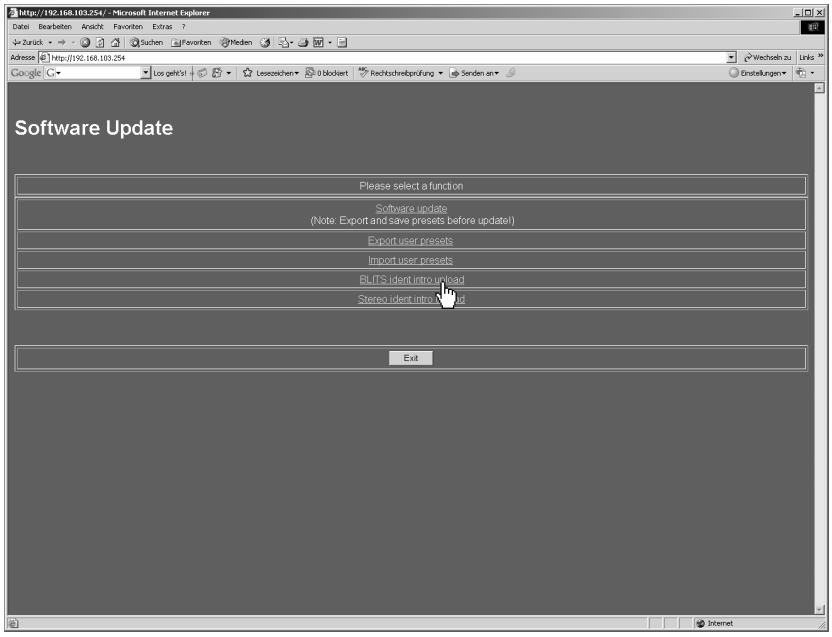


Fig. 25: Software Update Program menu in web browser

3. Please click the Browse ... button (see Fig. 26) to browse for the ident intro wave file.

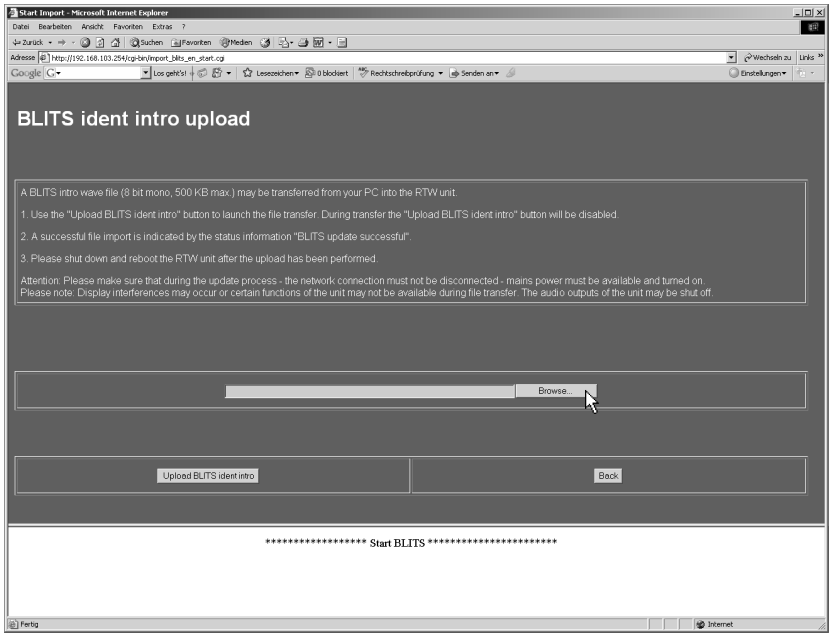


Fig. 26: Display of the BLITS ident intro upload menu page (Browse ...)

4. Choose the folder (e. g.: C:\31900_BLITS) with the ident intro wave file and click the file e. g. blitsIntro.wav (see Fig. 27).

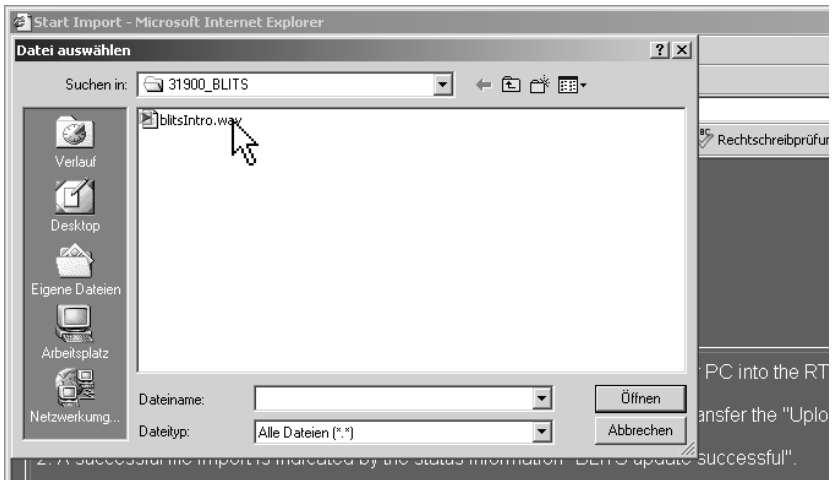


Fig. 8-27: The BLITS file selection dialog box (blitsIntro.wav)

5. A click to the Upload BLITS ident intro button starts the data transfer to the Surround Control units (see Fig. 28). If the Upload BLITS ident intro button is not visible move the menu page upward by using the scrollbar on the right. **Please make sure that no interruption of the network access or supply power occurs during the download sequence.**

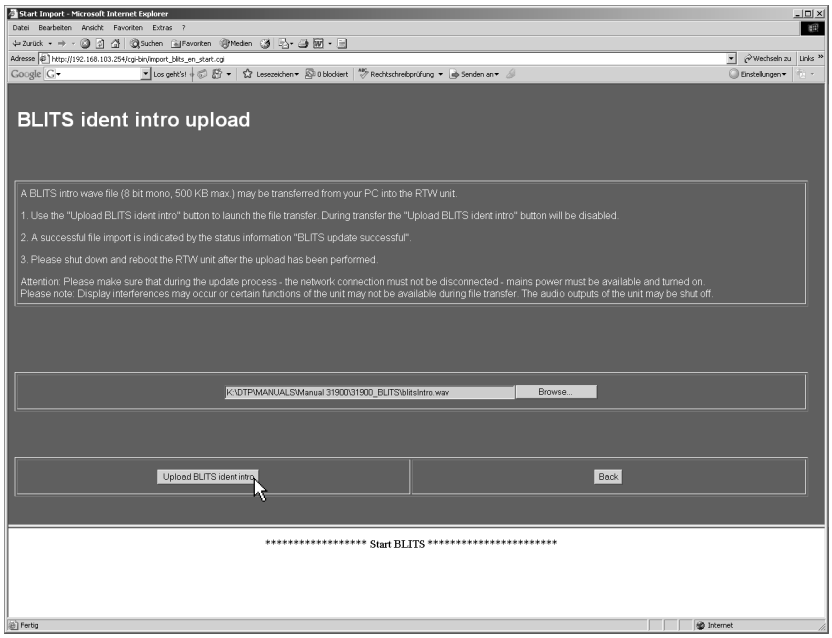


Fig. 28: Starting the upload

6. When “BLITS ident intro upload successful – PLEASE MAKE POWER OFF” is displayed the ident intro upload process is finished (see Fig. 29). For activating the ident intro wave file the SurroundControl unit has to be restarted.

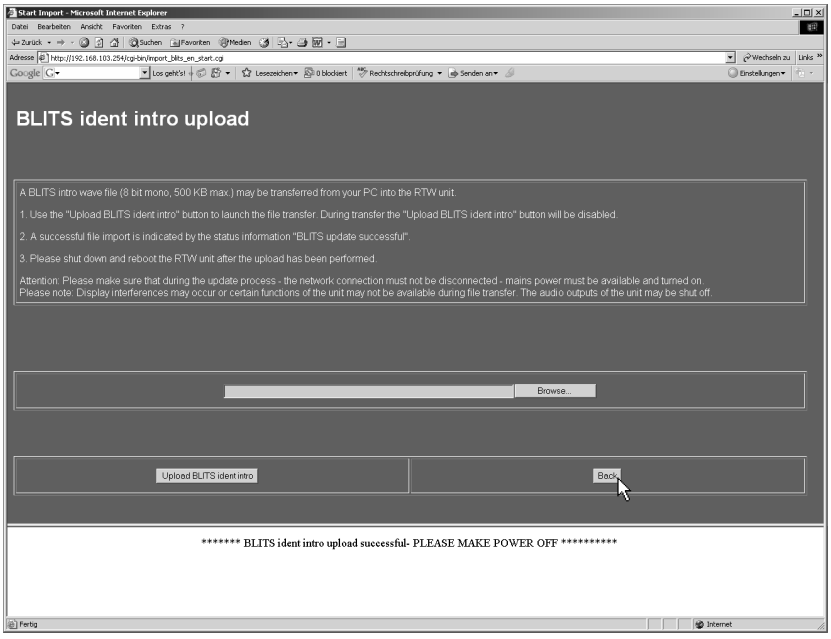


Fig. 29: End of the BLITS ident intro upload

7. Click the Back button (see Fig. 8-29) to get back to the home page (see Fig. 25). There please click the Exit button to leave the software update program.

8. Please wait approx. 5 sec. after shut down of the unit before you power it up again.

See Chapters 6.8 and 5.15.2.2
Activate intro:
→ MENU
→ Generator and Surround Ident Settings,
→ Enable in Surround Ident section,
→ Wave file intro,
→ Format (select format),
→ Save & Exit,
→ Save & Exit

9. After the SurroundControl units are rebooted the BLITS resp. surround ident intro wave file can be enabled on the **Generator and Surround Ident Settings** menu page (see Chapters 6.8 and 5.15.2.2). If the generated ident signals are assigned to the digital outputs, the ident intro wave file will be sent as a header of the ident tones sequence.

The Stereo ident intro upload is **only** possible with an **installed** version **V 03.00.08** or higher!

Proceeding a Stereo ident intro upload

The following figures show the upload of a Stereo ident intro in detail. The intro wave file has to be 8-bit mono and can have a size of up to 500 kB. For the following example sequence we assume that the IP address of your SurroundControl unit is 192.168.103.254.

1. Start your internet browser and enter http://192.168.103.254 in the address field (see Fig. 30) followed by the hit of the return (Enter) key.

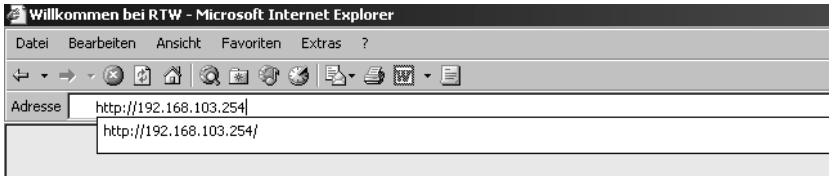


Fig. 30: Entering the IP-Adress

2. The SurroundControl units should respond with a screen like the one shown in Fig. 31. Choose Stereo ident intro upload. **Please note the instructions on the Stereo ident intro upload menu page** (see Fig. 32).

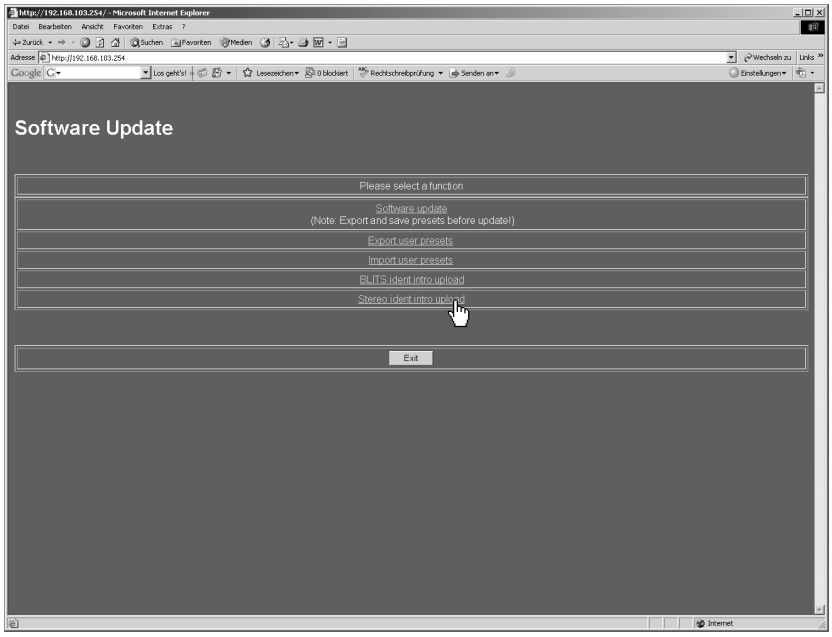


Fig. 31: Software Update Program menu in web browser

3. Please click the Browse ... button (see Fig. 32) to browse for the ident intro wave file.

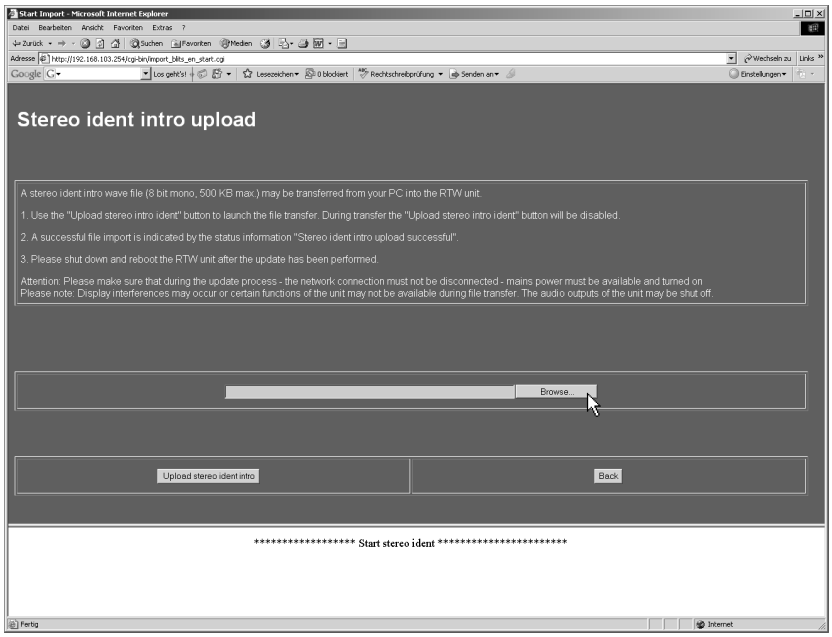


Fig. 32: Display of the Stereo ident intro upload menu page (Browse ...)

4. Choose the folder (e. g.: C:\31900_BLITS) with the ident intro wave file and click the file e. g. Stereo_Ident_Intro.wav (see Fig. 33).

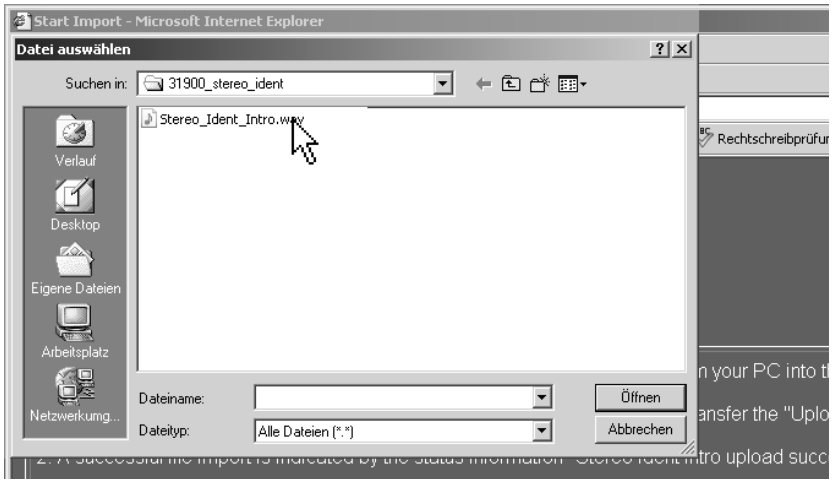


Fig. 33: The file selection dialog box (blitsIntro.wav)

5. A click to the Upload stereo ident intro button starts the data transfer to the SurroundControl units (see Fig. 34). If the Upload stereo ident intro button is not visible move the menu page upward by using the scrollbar on the right. **Please make sure that no interruption of the network access or supply power occurs during the download sequence.**

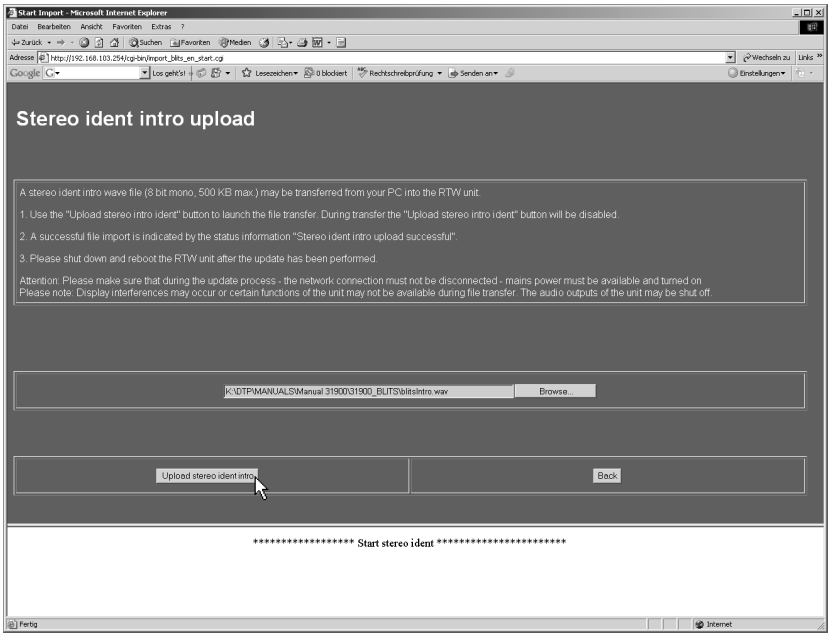


Fig. 34: Starting the upload

6. When “Stereo ident intro upload successful – PLEASE MAKE POWER OFF” is displayed the ident intro upload process is finished (see Fig. 35). For activating the ident intro wave file the SurroundControl unit has to be restarted.

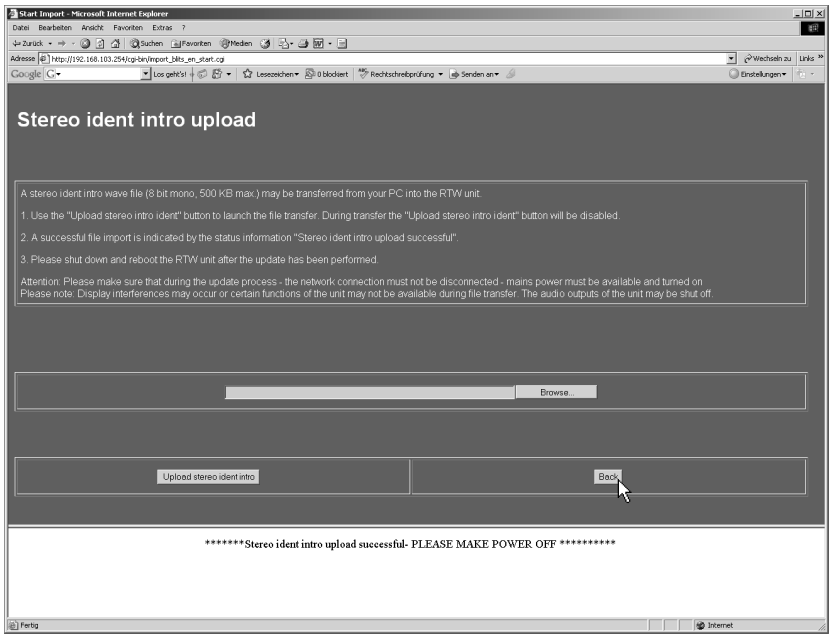


Fig. 35: End of the Stereo ident intro upload

7. Click the Back button (see Fig. 35) to get back to the home page (see Fig. 31). There please click the Exit button to leave the software update program.

8. Please wait approx. 5 sec. after shut down of the unit before you power it up again.

See Chapters 6.8 and 5.15.2.2
Activate intro:
→ MENU
→ Generator and Surround Ident Settings,
→ Enable in Stereo Ident section,
→ Wave file intro,
→ Format (select format),
→ Save & Exit,
→ Save & Exit

9. After the SurroundControl units are rebooted the Stereo ident intro wave file can be enabled on the **Generator and Surround Ident Settings** menu page. If the generated ident signals are assigned to the digital outputs, the ident intro wave file will be sent as a header of the ident tones sequence.

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Note:
The photos and graphics in this manual are provided to illustrate the functions and displays of the instrument and make the descriptions and instructions more comprehensible. Ongoing product development may result in minor design changes, so that your version of the instrument may look slightly different from the illustrations. This applies in particular to the screen displays.