Welcome to InterChange™ 2.0

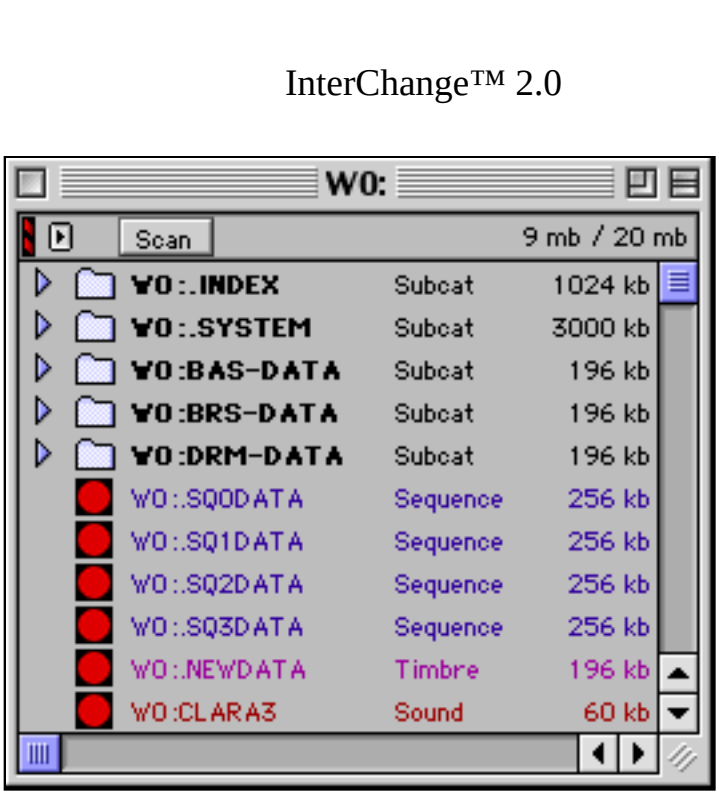
InterChange™ 2.0 is a new Macintosh application that lets you quickly and easily manage files and subcatalogs on your Synclavier® hard drive.

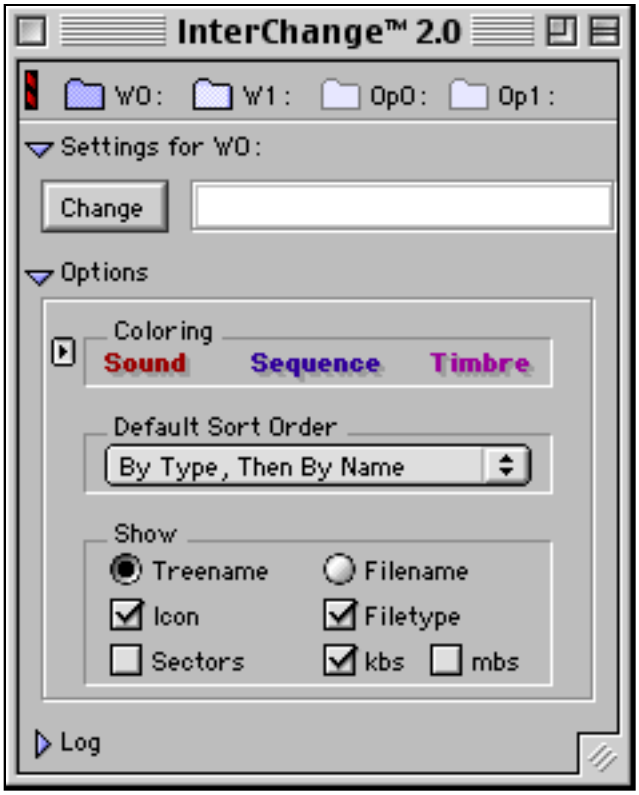
This demonstration release of InterChange™ 2.0 lets you access your Synclavier® hard drive in several new ways:

- Browse the contents of your hard drive using an all-new "browser" window
- Call up sequences to the memory recorder
- Call up sound files to the keyboard
- Call up sound files to a particular line of the Patch screen
- Call up timbre files to the Timbre Directory Screen
- Copy files and subcatalogs between drives and other subcatalogs
- Rename, unsave and duplicate files and subcatalogs

In short, InterChange™ 2.0 provides complete drag-and-drop file management support for your Synclavier®. Subcatalogs can be created and *automatically* resized as needed, Files can be duplicated or renamed. Files and subcatalogs can be unsaved by dragging to the Macintosh trash, or they can be copied by dragging and dropping at will. This preliminary version of InterChange™ 2.0 doesn't include the Macintosh import and export functions, although the user interface for performing these operations by drag-and-drop is complete. Additionally, InterChange™ 1.3 must be used to change the device configuration, as the setup Change button is not yet implemented in InterChange™ 2.0.

InterChange™ 2.0





The following information reprinted from *Synclavier® 4.3 Release Notes* provides an introduction to InterChange™ 2.0.

Technical Note - Introduction to InterChange™ 2.0

Launch InterChange™ 2.0 by double clicking on its Icon.

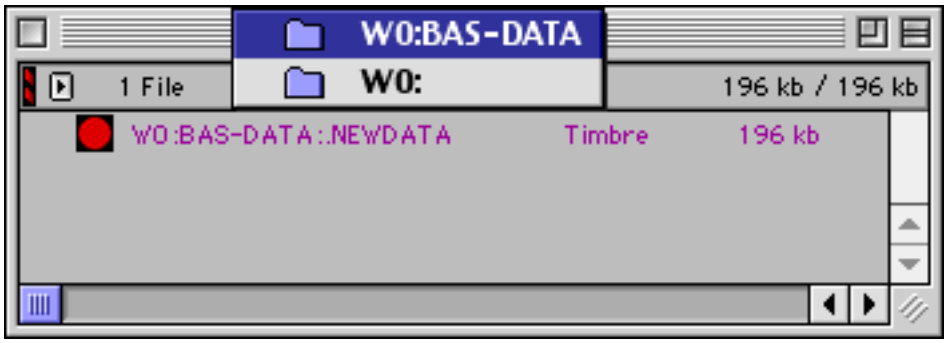
InterChange™ 2.0 uses the device configuration from InterChange™ 1.3.

Double-click on the W0: or W1: folder icon to open up a browser window.

Option-double-click will scan the entire device right away. The Icon activates a pull-down menu with numerous additional commands.

Rows can be opened or closed by clicking on the or Icon. Option-clicking the or Icons will open or close all enclosed subcatalogs.

Command-clicking in a browser window title bar allows you to navigate up the catalog hierarchy, as shown:



Files or subcatalogs can be selected by clicking, shift-clicking or select-dragging a region. Shift-clicking also allows items to be added or removed from the current selection by sweeping.

The **File** menu provides basic file management functions

Files and subcatalogs can be copied by dragging them and then dropping them onto the W0: or W1 folder icon, dropping them into another browser window, or another subcatalog. Subcatalogs can be easily resized as files are copied into it.

Double-clicking on a sound file, a sequence, or a timbre file will call up that file to Synclavier® PowerPC™. Sound files are called up to the keyboard, and to the current line of the Sound File Patch Screen if that screen is active. Sound files can be auditioned if the **Audition Sound Files Upon Recall** menu option is checked.

Sequences are called up to the memory recorder, and a warning dialog is presented if the current sequence is not saved.

Timbre files are called up directly to the bank and entry buttons and may be viewed from the Timbre Directory screen. This feature allows any names to be assigned to timbre files, obsoleting the archaic .NEWDATA nomenclature.

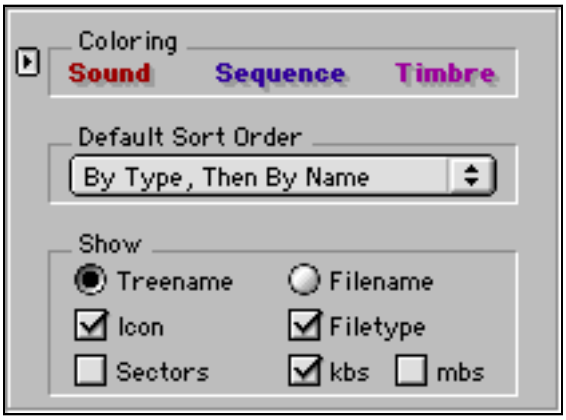
The 

button is not implemented in this version of InterChange™ 2.0. You may use InterChange™ 1.3 to change the device configuration on the fly as needed. Remember to **Save Setup** in InterChange™ 1.3 before returning to InterChange™ 2.0.

Files and Subcatalogs may be unsaved by dragging them to the Macintosh trash, or using the **Unsave** menu command.

A later version of InterChange™ 2 will allow dragging of Synclavier® files and subcatalogs to the Macintosh desktop, and dragging Macintosh files and folders to a Synclavier® hard drive.

Coloring and window layout are controlled from the main InterChange™ 2.0 window.



Technical Note - Changing InterChange™ Image Files on the Fly

The updated version of InterChange™ (1.3) included on the new Synclavier® PowerPC™ CD-ROM provides the ability to change your device selection without having to quit and relaunch Synclavier® PowerPC™. This capability makes it easier to manage multiple "Optical Image Files" or "Disk Image Files".

This feature is particularly useful for large facilities that keep multiple Optical Image Files on a central networked file server.

Note: this feature is only available in InterChange™ 1.3 (or later) and Synclavier® PowerPC™ 1.3 (or later). This mechanism does not work in earlier versions of either module.

Changing Optical Image Files

- Without quitting Synclavier® PowerPC™, launch InterChange™ 1.3.
- Choose the desired Optical Image File for Op0.
- Click "Save Setup"
- Return to Synclavier® PowerPC™
- Mount the new optical volume by viewing the contents of the optical disk, for example from the B screen, or using the 'Load Volume' button on the R screen.

- NOTE: You must "Save Setup" in InterChange™ 1.3 before the new setup will be available to Synclavier® PowerPC™!!!!!

It's really embarrassing to change the configuration, forget to save it, and then wonder why it doesn't show up in Synclavier® PowerPC™. I expect that the situation will resolve itself once InterChange™ 2.0 has the ability to change the device configuration. In the mean time, let me know if you want a warning dialog to help you remember!!

Changing W1

The device setting for W1 can also be changed on the fly. After selecting the new W1 (either a hard drive or a disk image file), use the "Update" button on the B screen to update the Sound File Directory.

Precautions

- Do not try to change the W0 selection on the fly. It likely will not work.
- You cannot add or remove devices on the fly. That is, if you launch the Real Time Software with no Optical Disk configured, it will not be properly recognized if you add an Optical device to the configuration on the fly. If you do add or remove a device, breaking to MONITOR and relaunching the Real Time Software with PLAY will likely allow the Real Time Software to recognize the new drive.
- Don't forget to "Save Setup" in InterChange™ 1.3 before return to Synclavier® PowerPC™ to use the new setup. The new setup is not available to Synclavier® PowerPC™ until it is saved.
- Remember that the Real Time Software can only call up sound files from Op0:. Op1: is only available to FORMCOPY and OPCOPY.
- Obviously do not change the device configuration on the fly while the device is being read from or written to, or while files are being copied from or to it using InterChange™.

Technical Note - Creating Optical Image Files

Optical Image Files can be created up to 2 gigabytes in size using the **Create** button in InterChange™ 1.3. Optical Image Files can be created for either Op0: or Op1:, but remember that Op1: is only available to FORMCOPY and OPCOPY; it is not available to the Real Time Software.

Here's a handy recipe for copying (or combining) Optical Media into an Optical Image File:

Before beginning, be sure that the index files for any source volumes to be copied has been properly updated in the Synclavier by inserting into drive and selecting 'Load Volume' on the R-Page.

1. From the Real-Time program (RTP), 'break' to the READY prompt. Use the OPVOLUME utility to check the amount of used space on each source volume. Use this information to compute the size of the Optical Image File that you will need.

2. Launch InterChange™ 1.3. Set the Op0: or Op1: device selection to Disk Image. You must use Op0: if you will be writing to the Optical Image File from the Real Time Software. You may use either Op0: or Op1: if you will be writing to the image file using OPCOPY.

3. Click on CREATE button. When the window opens enter the size you wish to make the Optical Image.

> **Note** - The size should be at least 2% greater than the total space used on the source media to be copied to it. More than one source volume can be copied to a single Optical Image as long as the total size does not exceed the Mac limit of 2 gigabytes per file.
> You will now be prompted for a name and location to store the file following the standard Macintosh convention.

4. After the Image File is created **Save Setup.**

5. Return to S/PPC. Use FORMCOPY to Format Op0: or Op1: as appropriate. This will take about 15 min./GByte.

6. If you will be writing to the new Optical Image File from the Real Time Software, use the R-Page to Initialize (name) the new volume. Be sure **NOT** to name it exactly the same as any other optical volume you have or indexing problems will occur.

7. If you will be writing to the new Optical Image File using OPCOPY, OPCOPY will ask you to name the volume when it is first written to. Be sure to pick a unique name to avoid index file conflicts!!!