

## SCSI Transfers with the S-760

Requires System Version 2.20 or above

The S-760 Digital Sampler system has been enhanced to allow transfers of sample data directly from RAM via SCSI. This function requires software on a computer to initiate the transfer. You will need to connect the MIDI IN and OUT of the S-760 to your computer's MIDI Interface for this procedure.

### I. Basic SCSI Rules

Since SCSI devices and initiators have many variables, your particular SCSI setup may vary. However, here some basic rules to SCSI:

1. SCSI devices should be daisy chained to each other with separate SCSI IDs assigned to each device. Check the manual of your SCSI device for information on how to change the SCSI ID.
2. The SCSI Chain must have termination on both ends. Termination can be provided either by external terminators or internally on the device. It is important that the devices in the middle of the chain be unterminated or you may experience freezing of the sampler and/or computer while scanning, loading or saving.
3. There should be termination power supplied by the storage device. Normally there should 5 volts supplied from the device to the SCSI line. Check the manual for your SCSI device for further information.
4. Be careful never to unplug SCSI cables from your computer or S-760 while they are powered on, or you may damage the S-760, computer or hard drive.

### II. Setting Up for SCSI Transfers

#### Computer

This kind of setup has both the computer and S-760 as initiators on the SCSI chain. Macintosh computers are permanently set to SCSI ID 7. This will be a problem if your sampler or storage device is also set to SCSI ID 7. Many computers have internal hard drives and CD-ROMs. Check with your computer's manufacturer to find out the SCSI ID for these devices. Macintosh computers typically have the internal hard drive set to SCSI ID 0 and CD-ROM drive set to ID 3. Check the owners manual for your computer for more information about its SCSI ID settings.

#### S-760

Normally, the S-760 is set from the factory to SCSI ID 7, which may conflict with your computer. Use the following procedure to change the self ID of the S-760:

#### LCD + Front Panel

1. Press Mode to display the Mode Menu.
2. Use the CURSOR buttons to select 6: System and press the S1/Dec to display a System Mode page.
3. Push in the Value/Menu knob to display the System Menu.
4. Use the CURSOR buttons to select 2: SCSI and press S1/Dec to display the System SCSI page.
5. Use the CURSOR buttons to select Self SCSI ID and use the Value/Menu knob to select a SCSI ID not being used by your computer or other SCSI devices.

#### CRT + Mouse

1. Click System at the top of the screen to display the System Menu.
2. Click SCSI to display the System SCSI page.
3. Highlight the S-760 Self SCSI ID with your mouse. Use the mouse buttons to select a SCSI ID that is not being used by your computer or other SCSI devices.

It is important to save the System Parameters after making this change to ensure the S-760 will not revert to its previous ID after rebooting. Use the following procedure:

### LCD + Front Panel

1. Press Mode to display the Mode Menu.
2. Use the CURSOR buttons to select 6: System and press the S1/Dec to display a System Mode page.
3. Push the Value/Menu button to display the System Menu.
4. Move the cursor to 5: LD/SV SysPRM and press S1 to display the System LD/SV SysPRM page.
5. Press F3 to update the S-760's system. "Now working" followed by "Complete" should appear at the bottom of the screen indicating that you have updated the system parameters.

### CRT + Mouse

1. Click System at the top of the screen to display the System Menu.
2. Click LD/SV SysPRM to display the System LD/SV System Parameter page.
3. If you have just changed your SCSI ID, "SysPRM are Edited" should appear on the screen.
4. Click on SavePRM at the bottom of the screen. "Now working" followed by "Complete" should appear at the top of the screen indicating that you have updated the system parameters.

### SCSI Drives

In some case, drives that are in-between the sampler and the computer will cause trouble with direct communication of these two devices. If you experience any trouble with the computer and the S-760 sending or receiving dumps, remove the drive from the SCSI chain and retry the dump.

If your drive experiences problems by being between your computer and the S-760 you may need a SCSI switcher. We recommend a switcher made by Glyph Technologies (800) 335-0345. This switcher intelligently checks the SCSI buss to see if the initiator(s) on a SCSI chain are scanning the line and waits to change between hosts to avoid lockups and possible directory corruption of a disk drive when the line is switched.

### III. Software Setup for SCSI Transfers with the S-760

**Recycle! (Macintosh and IBM)**  
**Steinberg/Jones**  
**(818) 993-4091**

The Steinberg/Jones program Recycle! can transmit and receive samples from the S-760 via SCSI. Unlike average sample editing programs, Recycle! was made to specifically breakdown phrase samples into individual beats or multiple samples and send them to a sampler for playback of the samples in correct time. This allows you to change the timing or tempo of a drum loop without the need for time compression or expansion. Recycle! will create Patches for the samples that it sends to the S-760.

Macintosh users must have OMS (Open MIDI System) software installed in your system (this comes with the Recycle! program). Make sure that you configure your OMS setup with the S-760's MIDI Device ID or Recycle! will not recognize the S-760 when it is launched on the Macintosh. The MIDI Device ID for the S-760 can be chosen from the System MIDI page. In addition to SCSI connections, both the MIDI IN and MIDI OUT of the S-760 must be connected to the MIDI interface of your computer.

**Transfer Station (Macintosh)**  
**Interval Music Systems**  
**(310) 478-3956**

Transfer Station is designed to transfer samples between various samplers through the Macintosh. The S-760 is supported for sample transfers via SCSI.

In addition to SCSI connections, both the MIDI IN and MIDI OUT of the S-760 must be connected to the MIDI interface of your computer. This program does not require OMS. It will work with other MIDI drivers or Transfer Station's own MIDI driver.

**SoundForge (IBM)**  
**(800) 577-6642**

SoundForge is a professional quality sample editing program for Windows. This program will support the S-760 for SCSI dumps in the near future. Currently Sound Forge will support our 700 Series Digital Samplers with MIDI / SDS, Sample Dump Standard types of transfers.