# Roland S-10 / MKS-100 / S-220

SampleVision uses the same driver for the S-10, MKS-100 and S-220. We will refer to the sampler as the S-10 here, meaning whichever unit you have.

Understanding of the following terms is vital to using the S-10 driver:

**Wave Data**

The recorded (sampled) sound is stored in the sampler's memory as numeric data.

**Wave Bank**

An area of memory in the sampler where wave data is stored. The S-10 has four wave banks. each wave bank can store 32768 samples which is 1 second of sound at 30khz sampling rate or 2 seconds at 15Khz sampling rate. Banks can be combined according to the sampling structure to achieve double or quadruple these times.

**Sampling Structure**

This determines how the sampler will use the wave banks for playback of sound.

Please consult the S-10 owner's manual for more information on these terms.

**Receiving samples from the S-10**

To get sample data from the sampler, take the following steps:

- Make sure the MIDI parameter Midi Exclusive is set to ON.
- Make sure the correct sampler driver is active in SampleVision.
- Select Get from Sampler from the Sample pulldown menu or press the F7 function key on the PC keyboard.
- The Bank Type selector will appear on the screen containing a list of possible combinations of bank data that can be received from the sampler.

- Using the scroll bar, locate the bank type that you wish to receive and click on that position.
- Click on OK or press the PC's Enter key.

**Sending samples to the S-10**

To send a sample to the sampler, perform the following steps:

- Make sure the MIDI parameter Midi Exclusive is set to ON.
- Make sure the correct sampler driver is active in SampleVision.
- Select Send to Sampler from the Sample pulldown menu or press the F8 function key on the PC keyboard.
- The Bank Type selector will appear on the screen containing a list of possible combinations of bank data that can be received by the sampler.
- Using the scroll bar, locate the bank type that you wish to send the sample to and click on that position.
- Click on OK or press the PC's Enter key.

**Setting loops with the S-10**

The loop settings for a given sample can be set three different ways:

- The current loop settings for a sample will be sent along with the sample when you send the whole sample to the sampler.
- If the loop is turned on, the loop start and end will be updated in the sampler when you double click on a loop marker in the sample edit mode of SampleVision.
- The desired loop type, loop start, and loop end will be updated automatically when changed in the loop editor mode of SampleVision.

**General**

Because of the mystifying internal architecture and MIDI communications protocol of the S-10 series, we recommend the following procedures when working with Samplevision:

Before doing any type of transfer, get a sample from the bank type that you intend to work with. Do this even if you are going to send the sampler a completely new sound. You should only have to do this the first time you are going to work with a particular bank type, or until you are going to work with a different bank type. Each SampleVision buffer must be treated individually with respect to this initialization procedure.

When getting a sample from the S-10, first set the sampling structure on the sampler as follows:

If receiving bank type A, B, C, or D, set the structure to A/B/C/D. If receiving bank type AB or CD, set the structure to AB/CD. If receiving bank type ABCD, set the structure to ABCD.

Before sending a sample to the sampler, set the sampling structure on the sampler the same as described above for receiving. When you are prompted at the end of the sample transfer, make sure the same structure is lit and press the sampler's enter key.

When updating loop points only, make sure the sampling structure is set as described above. If you don't do this, the loop points and other parameters may be sent to the wrong bank type.