

6) You can use the same RANGE selected to receive a different sample just by sending it from the computer (or other device). You don't need to re-record a blank sample; just "wipe over" the current one. The new incoming data will replace the current data. If the new sample is longer than the current range selected, you will get an error screen from your computer sample dump program.

7) You may want to save a disk of blank samples to act as a template for future sample transfers.

To transfer samples from the Prophet 3000 to another device:

- 1) Load the samples from disk into the Prophet 3000.
- 2) Go to the EDIT SOUND page. Dial up the desired <sup>source</sup> ~~destination~~ range for the outgoing MIDI sample dump (selecting ALL selects the highest range number).
- 3) Check to see that the software program you are using is set for a 16-bit SDS file.. Select the "get sample" or "sampler to computer" option from the software program in your computer. You don't need to specify which sample location you are getting, as the Prophet 3000 will automatically send the sample range that was selected at the EDIT SOUND page. The Prophet 3000 cannot send a sample from its remote panel; a sample dump must be requested by the receiving device.

There is no visible indication that the 3000 is sending data.

#### NOTES FOR SAMPLES TRANSFERRED TO THE 3000

If your sample begins immediately at the actual start of sample data, you may need to insert or splice 3 or 4 milliseconds of "empty space" to the front of the sample before sending it into the 3000. Otherwise, transients may appear to be "lost", when in fact they are being played but not heard. Of course, It's easy to send it over first, listen to it, and then splice in the space and send it again if it sounds necessary.

TUNING - In the example above, a sample at 33.333kHz was transferred to the Prophet 3000 into a blank sample at 32kHz. This slight difference will cause the sample to be out of tune. Simply select TUNE in the MAP page for fine tuning. If there isn't enough range in the required direction, you will need to change the root pitch up or down one semi-tone at the MAP page, and then return to the TUNE page.

STEREO SAMPLES - Because the MIDI sample dump standard does not provide for stereo samples, only the left channel sample of a Prophet 3000 stereo sample pair will be transmitted.

**MISCELLANEOUS NOTES**

1) You will notice that, when monitoring prior to sampling, the output level is louder than when you play the sample back (after sampling) from the preset. To allow for maximum dynamic range when using velocity (or any other source for amp modulation), the initial playback level is set to about half of the total dynamic range. This way, maximum velocity will give maximum loudness without any possibility of clipping.

2) For directory reasons, saving or loading disks that use more than 64 samples will require that you re-insert Disk 1, and then disk 2 again (as is the case for the Mixed Brass disk set).

3) If using Mode 4, pitch bending will only work with voice #1.

4a) **REGARDING AUTOMATIC LOOPING** - when recording your own samples, it is important to know that choosing the **AUTOMATIC MAPPING** mode (for automatic mapping through pitch detection) also creates a very short (single cycle) **FORWARDS ONLY** release loop. This type of loop works well with single string instruments (guitar, bass), or solo instrument material (human voice, simple waveforms), however, it is not intended to completely replace the act of manually selecting and creating a good loop. Like most things, this usually takes time and practice.

b) If the automated loop is undesirable, simply go to the release loop (RLOOP) page (EDIT SOUND, SAMPLE, then RLOOP), move the cursor to the field that says "FORWARD", and change it to "OFF".

c) Sometimes the automatic looping is quite usable, but can be made better by manually adjusting it a few steps. If you want to give this a try, go to the RLOOP page, and, making sure the memory increment is set to AUTO (second soft-key), adjust the START or END by one or more increments of the knob.

d) Finally, **USER MAPPING** mode does not set any loops, so, if you are interested in hearing the complete sample without any automatic looping, record your samples using this mode.

Without going into a complete tutorial here, it's safe to say that if the source material you wish to sample has a lot of harmonic movement in it, you may end up spending a good deal of time perfecting loops with it. Often in these cases, using backwards/forwards-type loops, or **CROSSFADING** the loop, will be necessary for a good sounding, playable loop. Another thing to keep in mind is how the loop will sound in context. Often a loop with a slight bump or click in it will not be objectionable once it is played in the context of the overall sound (with polyphony, reverb, etc.).

## Sample Dump Standard Implementation

With System 2.04, it is possible to send and receive samples over MIDI using the Sample Dump Standard (SDS). This allows the Prophet 3000 to access a wide variety of samples and functions otherwise unavailable.

To receive samples from another device into the 3000, do the following:

1) Start with empty sample memory (no presets). Go to RECORD mode and set up a recording rate and time that will match the sample you are planning to transfer. It's best to allow a little more time than the original sample needs, and you should select the rate that is closest to the original sample rate. For example, if the original sample is .6 seconds at 33.333kHz rate, you would set .8 seconds at 32kHz. If you select a much different sampling rate (such as 44.1 or 48kHz), you will notice a change in the playback rate related to the root pitch of the sample.

Also be sure to select user mapping, as SDS does not go through the pitch detection routine. Either set the user map as desired, or map the samples later.

2) Proceed with the recording routine, just as if you were sampling, and record a "blank" sample. You should press GO to force the recording, and then proceed as usual. If you are transferring several samples, it might be easiest to record a number of blank samples first, then exit the recording screen by pressing DONE; otherwise, press DONE after making your first blank sample.

3) Go to the EDIT SOUND page (the screen that shows blocks above the keyboard to indicate the sample ranges). Dial up the desired destination range for the incoming MIDI sample dump (selecting ALL selects the highest range number).

4) Send the sample from your computer (or other device). You don't need to specify which sample location you are sending to, as the Prophet 3000 will automatically place it in the sample range that was selected at the EDIT SOUND page.

There is no visible indication that the 3000 is receiving data.

5) When the sample dump is finished, you should be able to play and view the sample in the 3000. Notice that, even though the blank sample length was greater than the incoming sample, the end point is automatically adjusted to the actual end point of the transferred sample. RECOVER memory will free up the unused portions of memory. Also, loop information contained in the sample is translated as a release loop, turned on.