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**Casio FZ-1/FZ-10M/FZ-20M**

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SampleVision uses the same driver for the FZ-1 as for the FZ-10M and the FZ-20M. We will refer to the sampler as the FZ-1 here, meaning whichever unit you have.

Understanding of the following terms is vital to using the FZ-1 driver:

**Wave Data**

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

**Voice**

The wave data for a particular sound and a group of parameters which determine how the data is to be played back, looped, mapped to the keyboard, filtered, etc.

**Bank**

A collection of up to 64 voices which are each assigned an Area Number. A Bank is usually one multi-sampled instrument, or a set of sounds grouped together such as a drum set.

**Multi-Loop**

The FZ-1 is capable of utilizing up to eight sets of loop points, although more than two loops are seldom used by anyone. A multi-loop is how the eight possible loop sets are played by the sampler.

**Sustain Loop**

If a sustain loop is encountered in the multi-loop the sampler will loop on the corresponding sustain loop points until the key is released. Then the sampler will continue playing through any remaining wave data including other loops if they exist.

**End Loop**

If an end loop is encountered in the multi-loop the sampler will loop on the corresponding end loop points forever or until the sample is retriggered by the keyboard. This means that any wave data or loops that exist after the end loop's loop end are never going to be played by the sampler.

**Loop time**

Loop time is the amount of time each defined loop in the multi-loop is played before proceeding to play the remainder of the wave data/loops. The loop time is set in 16 millisecond increments with a maximum of 16 seconds total for each loop in the multi-loop.

**Next Loop**

When this parameter is set to trace, the wave data from the current loop end to the next loop start will be played by the sampler. When set to skip, the same wave data will not be played by the sampler.

Please consult the FZ-1 owner's manual for more information on these terms.

**Enabling  
Sample  
Transfers on  
the FZ-1**

The FZ-1 needs to be set properly in order to communicate with SampleVision. The FZ-1 must be set to this page each time a transfer is made. Here's how to enable communications with SampleVision:

- From the Main Menu in modify mode on the sampler, select Data Dump, then press enter.
- Pick Select Device, then press enter.
- Now press the Up Arrow/Yes key twice so the Dump Device = MIDI message appears.
- Finally, press the Down Cursor key so the Remote Mode has a small arrow pointing to it on the left side.



Note that the FZ-1 must **Always** be in the Remote Mode and set to MIDI for any communications to work between SampleVision and the FZ-1.

**Identifying  
samples in  
the FZ-1**

To send and receive samples with the FZ-1, you will need to know which voice you are interested in using. To identify voices, perform the following on the FZ-1:

- From the main menu in modify mode on the sampler, select Voice Edit, and press enter.
- Select Define Voice, and press enter.

### Receiving samples from the FZ-1

- You can now scroll through the voices in the sampler with the up and down arrow keys, or by using the value slider.
- Once a voice is selected, play the sampler keyboard to see how the voice is mapped across the keyboard and verify that it is the actual voice you are interested in.

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

- Make sure the correct sampler driver is active in SampleVision.
- Identify the Voice that you wish to receive from the sampler (see above).
- Set the sampler to remote mode for transferring data (see above).
- Select Get from Sampler from the Sample pulldown menu or press the F7 function key on the PC keyboard.
- The Voice selector will appear on the screen containing a list of the 64 possible voice positions.
- Using the scroll bar, locate the voice that you wish to receive and click on that position.
- Click on OK or press the PC's Enter key.

### Sending samples to the FZ-1

In some cases you may need to delete banks and voices other than the bank you are working on in the FZ-1 before you can send an edited voice back to the sampler. In such a situation the FZ-1 will say "No Memory Space" under the remote mode line when you try to send the voice.

For example, after loading a factory piano disk into the FZ-1 we were unable to send an edited voice from bank 1 back until we deleted the other banks and their voices from the sampler. Apparently the FZ-1 needs extra work space while receiving a new version of a voice and the deletion of the other banks and their voice data allowed that to happen.

Many FZ-1 sound diskettes that we used while testing did not require the above steps to be taken. To send a soundfile to the sampler, take the following steps:

- Make sure the correct sampler driver is active in SampleVision.
- Make sure the sampler is in Remote Mode and set to MIDI as described above. The sampler will not accept any data if the Remote Mode is not set properly.
- Select Send to Sampler from the Sample pulldown menu or press the F8 function key on the PC keyboard.
- The Voice selector will appear on the screen containing a list of possible voice positions.
- Using the scroll bar, locate the position that you wish to send the sample to and click on that position.
- Click on OK or press the PC's Enter key.
- The Sustain Loop selector will appear on the screen containing a list of possible settings.
- Click on the desired setting, then click on OK or press the PC's Enter key.
- The End Loop selector will appear on the screen containing a list of possible settings.
- Click on the desired setting, then click on OK or press the PC's Enter key.
- The sample will now be transmitted to the sampler.

### Setting loops with the FZ-1

The loop settings for a given sample can be only be changed by sending the entire sample back to the sampler. The following list contains tips on dealing with the FZ-1 looping structure:

- The Sustain Loop and End Loop for a voice are stored for later use as defaults when you get a voice from the FZ-1. If you don't want to change

the **structure** of the multi-loop when sending the voice back to the FZ-1, just accept the defaults by clicking on OK or by pressing the enter key.

- Any loop information for a loop number after the end loop will be ignored by the FZ-1 and these loops are set to off by the sampler.
- There can be only one sustain loop and only one end loop, and you don't have to have either.

## General

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