
Yamaha TX16W OS 1.x

The TX16W OS 1.x sampler driver was written and tested for use with TX16W system software version 1.11. The system software is the diskette that you put in the TX16W diskette drive when first turning it on. This driver is to be used when you have booted with TXOS 1.x. This driver will not work properly with a TX16W operating under OS 2.0 or higher. See the section on TX16W OS 2.x for details on that driver.

Understanding of the following terms is vital to using the TX16W driver:

Wave A sample(wavetable) and its loop points.

Timbre A Wave Number(1-64) and Filter Number(1-64), and settings for Tuning, Touch Response Curve, Amplitude EG, Pitch EG, Amplitude Modulation Sensitivity, Pitch Modulation Sensitivity, Touch Bias Sensitivity, Pitch Bend, and individual LFO.

Voice A 'keyboard layout' of up to 32 timbres, with a timbre number and fade setting for each slot.

Performance A combination of up to 16 voices, each receiving its own MIDI channel, and with settings for for audio output, volume, detune, and transpose. Please consult the TX16W owner's manual for more information on these terms.

Since the communications code for the TX16W does not provide access to the sample names, we must transfer samples based on their sample number(1-64).

Receiving samples from the TX16W The first step in getting a sample from the TX16W is to identify the sample that you wish to get. To see what samples are available in the sampler perform the following steps:

- Press the Wave Edit key.
- Press the 1 key (Load to Buffer).
- Press the Right Arrow key.
- Press the +1 and -1 keys to see each available sample number, followed by a name.

If you still cannot identify the sample you wish to get, you will have to examine the voice and timbres to find what sample is being played when a given key is pressed. Consult the TX16W manual for details on doing this.

Once you have determined the sample number for the sample that you want, take the following steps:

- Make sure the TX16W 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 sample selector will appear on the screen containing a list of 64 possible sample numbers.
- Using the scroll bar, locate the sample number that you wish to receive and click on that position.
- Click on OK or press the PC Enter key.

Sending samples to the TX16W

When transmitting a sample to the TX16W, you should be aware that the TX16W will not accept data past the loop end. SampleVision deals with this in two ways, depending on the setting of the loop switch. If the loop switch is off, SampleVision will move the loop end position to the end of the sample as defined in the SampleVision buffer. If the loop switch is on, SampleVision will not send any data past the end of the loop.

This situation can affect your loop setting, too. The procedure you use to set loops should be to find a reasonable loop end, then match loop start to that loop end.

When sending a sample to the TX16W, the following rules apply:

Before sending to any sample number in the TX16W, SampleVision will first initialize(erase) any sample that is already there.

If you send it to a sample number which is already occupied, the new sample will play from any timbres which are using that sample number now.

If you send it to an undefined sample number, you will have to set a timbre to use the new sample number before the TX16W can play it.

All samples sent to the TX16W will be named MIDI-M internally. You can change the name from the TX16W front panel if desired, but the name will not affect anything else.

Once you have determined the destination sample number, take the following steps:

- Make sure the TX16W 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 sample selector will appear on the screen containing a list of 64 possible sample numbers.
- Using the scroll bar, locate the number 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 TX16W

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.
- The loop start and end will be sent to the TX16W when you double-click on a loop marker in the sample edit mode of SampleVision if the loop is turned on.
- The looping mode and loop points will be set when you click on the Update box in the loop edit mode of SampleVision.

Once you set a loop end and update the TX16W, you cannot move the loop end past the newly set loop marker. SampleVision will let you move the loop end pointer anywhere in the sample, but you will need to retransmit the entire sample to the TX16W to hear it.

The setting of loop points directly is not provided for in the MIDI communications code for the TX16W. Since the only way to accomplish the loop settings (by themselves) is by sending a large number of front panel emulation commands, this operation can take a few seconds. For fun, watch the TX16W's front panel after you click on the update button.

General

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Once you set a loop end and update the TX16W, you cannot move the loop end past the newly set loop marker. SampleVision will let you move the loop end pointer anywhere in the sample, but you will need to retransmit the entire sample to the TX16W to hear it.

Yamaha TX16W OS 2.x

The TX16W OS 2.x driver should be used when transferring samples to or from a TX16W which was booted with OS 2.0 or higher. For the most part, the communications with the sampler are the same as those with OS 1.x. Because of the paging scheme of the OS 2.x functions, however, you will be forced to do some front panel work before fully exploiting the TX 2.x driver.

Whenever using the TX16W OS 2.x with SampleVision you will want to load the Utility(2) and Wave Edit(2) functions into the TX16W. This is done by putting the OS 2.x disk in the disk drive and pressing **and Wave Edit to load the Wave Edit 2 page and you are ready to go.**

For additional details on communicating with the TX16W, see the section on TX16W OS 1.x.