

## Sonar TTS and File Export Tutorial

This tutorial is designed to assist in setting up Sonar's TTS Soft Synth to play Midi tracks and the export the resulting Audio file to wave file format in order for it to be burnt to CD or similarly used outside Sonar.

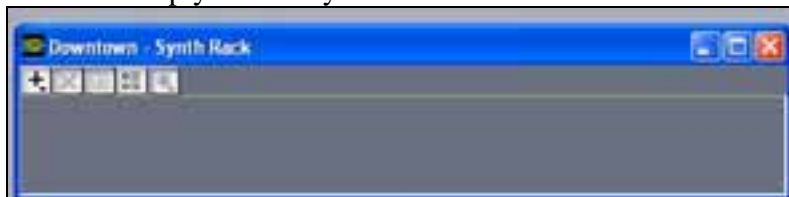
Starting with a completed midi sequence (or opened Midifile) designed for General Midi implementation.

### Step 1. Adding the TTS to the Synth Rack

The Cakewalk TTS module is a DXi instrument which is accessed via the Synth Rack. To open the Synth Rack, Click on the DXi button on the view bar.



Clicking on this button opens the Synth Rack View. At This point it is a fairly bland view as it is an empty virtual Synthesizer Rack as shown below:



Click on the Button in the top LHS of the rack menu (+ from edition 4, \* on version 3) and navigate to adding the TTS as shown:

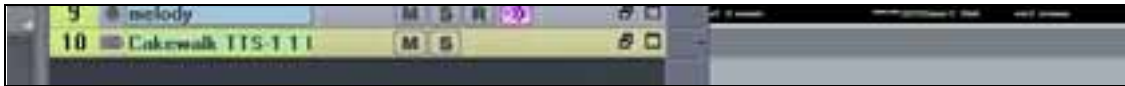


The following dialogue box appears, asking which tracks you wish to be added to your project. If all of your midi tracks are already done, you will only need an audio track checked as shown:



Press OK to complete the addition of the Cakewalk TTS to your project. (you still need to assign the midi tracks to the TTS in a later step).

You should now have an added track at the bottom of your track list. This track is an audio track which will be where the sound from the TTS comes from.



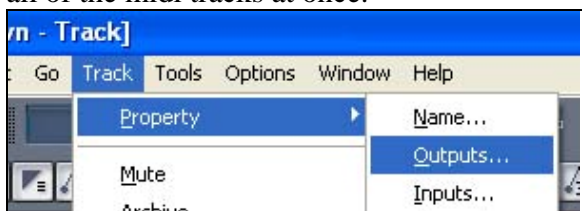
The TTS uses the computer's processing power to create the sounds of the various instruments on the fly, and these are then sent to the computer's sound card via this new audio track.

## Step 2: Routing Your Tracks to the TTS

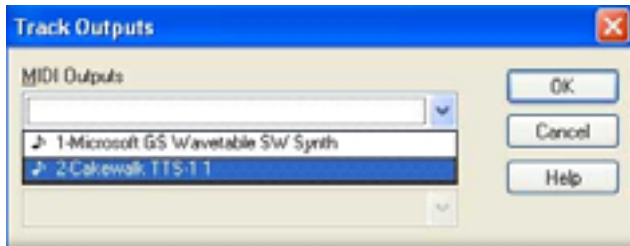
The next step is to assign the output of your midi tracks to the TTS. This can be done on the individual track outputs in the track list for each midi track, but this is slow way to achieve the task. Instead, highlight all midi tracks as shown below, by clicking on the Track number of the first midi track, hold down the Shift Key, and the click on the track number of the last midi track. All your midi tracks should now be highlighted in black in the Clips Pane on the RHS of your track list.



The output of any midi track is one of its track properties. With all midi track selected as above, you will now go to the Track-Property-Output to select the TTS as the output for all of the midi tracks at once.



Use the drop down arrow on the RHS of the resulting Dialogue Box to select the TTS.



Press OK to confirm your choice of the TTS.

Play your track and the sound should now be playing back via the Cakewalk TTS audio track. Its audio meters will show playback level. (If The track inspector is open and the Cakewalk TTS Audio track is active, the meters in the Track Inspector will also show playback level.



Notes:

To open the track inspector, hit the **I** key. The Cakewalk TTS Audio Track (10 shown here) may need to be expanded by placing the mouse cursor over the bottom line of the track and pulling it down using click and hold.

### Step 3: Bouncing Your Tracks to a Single Stereo Track

The third step is to highlight all the tracks, including the Cakewalk TTS Audio track, and then use Edit-Bounce to Tracks to create a stereo mix track.



The following dialogue box will appear, asking which information is to be included in the mix. Generally it should be set similar to what is shown below.



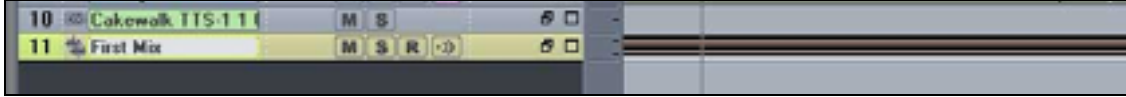
Select OK, and a new track will be created for you from your data. A blue line moving across the bottom of the screen will indicate the progress in track creation.

Name your new track something like !st Mix (double click on the track title to do this), and then click the S for solo button on the track to be able to listen to only that mix track on playback. Listen to your mix to ensure it is all there, as Solo S buttons and Mute M buttons affect what is bounced into this track.

If necessary, you may wish to redo the process until you are happy with your mix track.

**Step 4: Exporting your Mix as a Wave File**

Highlight the mix track, so that it is the only highlighted track as shown:



Now go to the **File-Export-Audio** command from the File menu. The following dialogue will appear.



Choose a location for your wave file, and give the track a file name.  
 Note: The File of type drop down below the file name will indicate RIFF wave. This will be fine for the purpose described here.  
 Choose Export, and again a blue bar on the bottom of screen will indicate the progress of the wave file creation.  
 Save your Sonar project. After trying your mix on different sound systems, you may wish to open the project again, tweak the mix, and then follow steps 3 and 4 again to improve on the mix.  
 Use CD burning software to burn if desired.