

Audio Configuration

Basic Windows Multimedia Configuration

Advanced Windows Multimedia Configuration

Windows Multimedia Configuration

This command allows you to configure how Cakewalk Pro Audio interacts with your audio hardware. This command consists of two dialog boxes, one for basic settings and one for advanced settings. The following options are available in the basic settings dialog box:

- Sampling Rate** Allows you to specify the audio sample rate for a new .WRK file. Once any audio has been added to a .WRK file (either by recording audio or using **Insert | Wave File**) the sample rate for that .WRK file may no longer be changed. It is best to choose the **Sample Rate** immediately after choosing **File | New** to start a new song.
- Wave Device** Tells Cakewalk Pro Audio which audio card should be used for playback and recording. Cakewalk Pro Audio will use only one card at a time. You are free to change this setting at any time.

Clicking on the **Advanced...** button brings you into the **Advanced Multimedia Configuration** dialog box.

Advanced Windows Multimedia Configuration

This command allows you advanced options for configuring how Cakewalk Pro Audio interacts with your audio hardware. The following options are available in the advanced settings dialog box:

- Data Directory** Specified the directory where Cakewalk Pro Audios audio data files will be kept.
- Do not casually change the Data Directory. Any .WRK files which contain audio will be unable to locate their audio files once this directory has been changed.**
- Polyphony** This determines the maximum number of audio events which may be mixed within the same quarter-second interval in time. If your song overflows the maximum polyphony voices, Cakewalk Pro Audio will steal voices, much like what happens in a polyphonic MIDI synth.
- Queue Buffers** Determines the number of digital audio playback buffers to be used for playback. Increasing this value makes Cakewalk Pro Audio less susceptible to interruptions in playback, at the cost of increasing Cakewalk Pro Audios memory requirements.
- Scrub (ms)** Determines the duration of each blip during scrubbing in the **Audio View**.
- Freeze Frame** Determines the number of times an audio blip will repeat while scrubbing in the **Audio View**, and the mouse is not moving.
- Disable Simultaneous Record/Playback** This option should be checked if your audio hardware is supposed to support simultaneous record and playback, but for some reason is unable to carry it out.
- Do Not Cache** Determines which disk drive(s) will have their SmartDrive cache disabled by Cakewalk Pro Audio. Disabling the disk cache can improve playback performance on slower CPUs, or when youre trying to playback many long audio tracks.
- DMA** These options are critical for proper synchronization between audio and MIDI in Cakewalk Pro Audio. They must be set the appropriate values for your particular make and model of sound card. Use the WaveProfiler utility to analyze your hardware and pick the appropriate values.

