

MIC Echo

The MIC Echo feature applies an echo sound effect to the microphone input and enables changes to the current Mic echo setting status.

Note that recording will be disabled while Mic echo is being used and will not be enabled until Mic echo is turned off. The Mic echo sound effect will also become invalid once Windows is restarted.

Volume control is performed by adjusting the microphone input level in the standard Windows volume control tool.

Enable

When selected, the Enable feature applies the Mic echo sound effect to the microphone input.

Delay Time

The Delay Time function allows you to set a Mic echo repetitive cycle period. To lengthen the cycle period, move the slide bar to the right.

Feedback

The Feedback Gain function allows you to set a Mic echo duration period. To lengthen the duration period, move the slide bar to the right.

Digital Output

Use the Digital Output option to set up digital outputs. Note that digital outputs will not effect the volume control setting configured by the Windows standard Master Volume output. To adjust the volume control for all digital outputs, you need to use external amplifiers.

OFF

Checking this box eliminates all digital outputs. Acoustic sound outputs will only playback at analog signal pins.

ON (Digital Sources Only)

Checking this box enables the wavetable, MIDI, DirectSound and DOS-compatible acoustic sound output functions at digital signal pins. External inputs including microphone and line are not provided as outputs at digital signal pins. The acoustic sound outputs will playback at analog signal pins. Normal Mic echo outputs cannot playback through the SPDIF interface mode.

ON (All Sources) / Analog out is muted

Checking this box eliminates all analog outputs. Acoustic sound outputs will playback at digital signal pins. However, acoustic sound inputs from an external source may be muted during recording and/or while Mic echo is active.

Synthesizer Effects

The Synthesizer Effects option allows you to enable the MIDI synthesizer. Using the MIDI synthesizer, you can richly enhance the acoustic sound variations with features such as reverberation, chorus and variation. Simply click on the check-box associated with the desired feature.

The MIDI synthesizer utilizes the Wavetable sound generation method, supports the three command-compatible interface modes, and is fully compliant with the XG specification proposed by YAMAHA. Note that the addition of the optional Sondius-XG will eliminate the use of virtual acoustic sources.

* Sondius-XG (<http://www.sondius-xg.com>) is a trademark jointly held by Stanford University in the United States and YAMAHA Corporation.

* GM is a trademark of Association of Musical Electronics Industry (AMEI).

* XG is a trademark of Yamaha Corporation.

Reverb

When selected, the Reverberation option adds a resounding effect to the acoustic sound and provides concert hall ambience to the echo-back sound.

Chorus

The Chorus feature provides a chorale effect to the musical sound.

Variation

Variation allows the alteration of sound effects such as distortion and overdrive. Reverberation and Chorus are also features that can be adjusted using Variation.

SONDIUS-XG

Unlike the MIDI synthesizer, the Sondius-XG produces acoustic sound outputs by running a virtual simulation of the actual acoustic instrument operation. The output is thus more "real" since the Sondius XG does not use the processed acoustic sound recordings generated by the Wavetable sound generator.

The DS-XG supports a single virtual acoustic sound source by combining the virtual acoustic sound signals with MIDI data. However, you cannot select the virtual acoustic sound source using DS-XG unless the optional Sondius-XG is installed.

The Sondius-XG runs on PCs with Pentium II 233MHz or higher.

