

The Digital Recorder

The Digital Recorder can be used to play, record and manipulate sound files. This sound can be recorded from the CD Player, MIDI Player or a variety of other sources. When you record sound on the Digital Recorder, it is stored in a temporary file. This file will be overwritten if you record again or open an existing sound file. Once saved, however, it is stored in a file with the required .WAV extension.

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Digital Recorder Buttons

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Record Button

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Digital Recorder Menu Options

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File Menu

The following options can be found on the pull-down File Menu:

Open:

Displays an Open File Dialog Box so you can load a .WAV file.

Save as:

Saves the currently open .WAV file under the specified name.

Close:

Closes the currently open .WAV file.

Program:

Displays the Program Playlist Dialog Box for the Digital Recorder.

Settings:

Displays the Recording Settings Dialog Box.

Exit:

Closes the Digital Recorder.

Options Menu

The following options can be found on the pull-down Options Menu:

Standard Environment:

Select to use the Standard/Rack Mount system. The Launch Environment Components window will be displayed, if you have the Launch Confirmation option selected (described below). Click the button appropriate to the components you want launched in the Standard Environment.

Launch Confirmation:

Select this option (a check mark will be shown next to the menu option) to display the Launch Environment Components window when the environment is changed. If this option is not selected, the Launch Environment Components window will not be displayed.

Info Bar:

Select to turn on the Information Bar, which provides a brief description of your current cursor location on the component. When this option is selected, a checkmark will appear on the pull-down menu. Select this option again to turn off the Information Bar.

Save Settings on Exit:

Select to save the Digital Recorder's settings upon closing the component. When this option is selected, a checkmark will appear on the pull-down menu. Select this option again, to indicate that you do not want to save your settings upon exiting the Digital Recorder.

Auto Selection Advance:

Select this option to indicate that you want to play one selection after another within a playlist. If this option is not selected, the system will pause between selections within a playlist.

Related Topic:

[Launch Environment Components Window](#)

Help Menu

The following options can be found on the pull-down Help Menu:

Index:

Display the help system for MCS Stereo.

Keyboard:

Display a help message on using the keyboard to operate MCS Stereo.

Tutorial:

Initiate the MCS Tutorial.

Using Help:

Display instructions on using the help system.

About MCS:

Display information on MCS Stereo.

Questions & Answers

Q: I'm using the Microphone as the input source to record on the Digital Recorder and it is not recording. What's wrong?

A: If your sound board has multiple input jacks, the Microphone may be plugged into the wrong jack.

Q: I'm recording from the CD Player and the sound quality is poor. What can I do to improve the quality?

A: Check the sampling rate and make sure you are using the highest available rate. Be aware, however, the higher the rate, the more disk space required per second of digital recording.

Q: When I play back a Digital Recording that I made from a CD, it is not as loud as the original input to the Digital Recorder. Can I make an adjustment in the volume?

A: When recording, the audio is from the CD as well as the Digital Recorder. With some sound boards, 2 copies of the input are playing during recording (from the input source and the Digital Recorder). Then, when you play it back only one copy of the input is playing from the Digital Recorder. Therefore, it does not sound as loud.

Q: I recorded at a high volume level and the resulting sound is distorted. What did I do wrong?

A: Digital Recording has a certain distortion above 100 percent. This is called Clipping. Try recording at a lower level to avoid the distortion.

Q: I replaced my sound board. Is there anything I need to do before using MCS?

A: Yes. Be sure to re-install the MCS software. That way, MCS can make the appropriate internal adjustments for your new sound board.

Launch Environment Components Window

This window is displayed when you change environments (for example, from the Enhanced Environment to the Standard Environment) from the Options Menu. It is used to select the desired set of components you want launched when you switch environments.

Click the All Button to launch all components in the environment to which you are switching.

Click the Active Button to launch the same components you have active in the current environment.

Click the None Button to launch none of the components in the environment to which you are switching.

File Open Dialog Box

The File Open Dialog Box is used to open the desired .WAVE file.

Select the desired filename and click the OK Button to open the file.

Related Topics:

[File Open Dialog Box Buttons and Fields](#)

File Open Dialog Box Buttons and Fields

File Name

Description

Directories

List Files of Type

Drives Field

OK Button

Cancel Button

File Name

This field is used to enter the name of the .WAV file you want to open. You can also select a file from the File Name display area (below the File Name field). Use the scroll bar to "page" through the list of file names. The default extension of file names shown in the display area is .WAV.

Related Topics:

[Description](#)

[List Files of Type](#)

[Directories](#)

[Drives Field](#)

Description

When you enter or select the desired file name, the associated description (if specified when the wave file was saved) will be shown in this field. The Description Display Area simply shows the descriptions associated with each file name shown in the File Name display area.

Related Topics:

[File Name](#)

[List Files of Type](#)

[Directories](#)

[Drives Field](#)

Directories

This field is used to enter the directory in which the desired wave file is located. You can also select a directory from the Directory display area. The directories displayed in this area are dictated by the drive specified in the Drives field.

Related Topic:

[Drives Field](#)

List Files of Type

This area can be used to specify the type of file you want to list in the File Name field and File Name display area. The default file type is files with a .WAV extension. If you save your wave files with a different extension, you can indicate that extension in this field.

Related Topics:

[File Name](#)

[Description](#)

[Directories](#)

[Drives Field](#)

Drives Field

This field is used to specify the drive on which your wave files are located. Use the Drop List Icon at the end of the field to display a list of available drives.

OK Button

Once you have selected the desired wave file, click this button to open the file. The File Open Dialog Box will be dismissed and the wave file name will be opened.

Cancel Button

Click this button to dismiss the File Open Dialog Box without opening a preset file.

File Save Dialog Box

The File Save Dialog Box is used to save the currently displayed wave file.

Enter the desired path and filename and click the OK Button to save the file.

Related Topic:

[File Save Dialog Box Buttons and Fields](#)

File Save Dialog Box Buttons and Fields

File Name

Description

Directories

List Files of Type

Drives Field

OK Button

Cancel Button

File Name

This field is used to enter the name of the file in which you want to save the currently displayed wave file. The default extension for preset files is .WAV.

Related Topics:

[Description](#)

[List Files of Type](#)

[Directories](#)

[Drives Field](#)

Description

When you enter the desired file name, you can specify an associated description in this field.

Related Topics:

[File Name](#)

[List Files of Type](#)

[Directories](#)

[Drives Field](#)

Directories

This field is used to enter the directory in which the wave file will be stored. You can also select a directory from the Directory display area. The directories displayed in this area are dictated by the drive specified in the Drives field.

Related Topic:

[Drives Field](#)

List Files of Type

This area can be used to specify the type of file you want to list in the File Name field and File Name display area. The default file type is files with a .WAV extension. If you save your wave files with a different extension, you can indicate that extension in this field.

Related Topics:

[File Name](#)

[Description](#)

[Directories](#)

[Drives Field](#)

Drives Field

This field is used to specify the drive on which your wave file will be located. Use the Drop List Icon at the end of the field to display a list of available drives.

Related Topics:

[File Name](#)

[Description](#)

[Directories](#)

[List Files of Type](#)

All Button

Click this button to launch all components in the environment to which you are switching.

Active Button

Click this button to launch all components you have active in the current environment. These components will be launched in the environment to which you are switching.

None Button

Click this button to launch none of the components in the environment to which you are switching.

Power Button

This button can be used to turn off the Digital Recorder. Click this button and the Digital Recorder will no longer be displayed.

Default Button

This button is used to return the settings on the Digital Recorder to its original level when the system was installed on your PC.

Volume Buttons

Click the up arrow button to make the output from the Digital Recorder louder. Click the down arrow button to make the output from the Digital Recorder softer. Each time you press one of these buttons the output level in the LED Display will reflect the increase or decrease.

Related Topic:

[LED Display](#)

Total Button

This button is used to display the total time of the current selection or playlist. This information is displayed in the LED Display for 3 seconds. The standard LED Display is then returned.

Related Topic:

[LED Display](#)

Repeat Button

Click this button to continuously play the currently selected .WAV file or the sound currently in the Digital Recorder's temporary file. When the last sound is played, the file or sound will be repeated. When you click this button, the Repeat indicator in the LED Display will be turned on. Click this button again to turn the Repeat option off.

Related Topic:

[LED Display](#)

Temporary File

When you record a sound with the Digital Recorder, it is stored in a temporary file. However, if you attempt to open an existing sound file or to record another sound with the Digital Recorder, you will be asked if you want to save the contents of the temporary file. It can then be saved with a .WAV extension.

Level Test Button

Click this button to display the recording levels of the input. This does not cause the input to be recorded. It simply allows you to view the recording levels. When you click this button, the Level Test indicator in the LED Display will be turned on. Click this button again to turn the Level Test option off.

Related Topic:

[LED Display](#)

Fast Scan Button

Click this button to double the speed of the scanning capability. With the fast scan option on, the Scan button will be able to advance or back through the current sound file twice as fast. When you click this button, the Fast Scan indicator in the LED Display will be turned on. Click this button again to turn the Fast Scan option off.

Related Topics:

[Scan Buttons](#)

[LED Display](#)

Time Button

Click this button to show the time remaining in the current sound selection or playlist. With the Time option off, the LED Display shows the elapsed time. When you click this button, the Time indicator in the LED Display will be turned on. Click this button again to turn the Time option off.

Related Topic:

[LED Display](#)

LED Display

This Display area of the Digital Recorder shows a variety of information:

Output Level:

This area shows the current volume setting. As the Increase/Decrease Volume buttons are "pressed" this output level indicator will be affected.

Recording Level:

These lights indicate the current right and left recording levels

Button Indicators:

This area will illuminate the appropriate symbol when the Play, Pause or Record buttons are pressed.

Min/Sec:

This area shows the elapsed time for the current sound or playlist. If the Time option is turned on, this area will show the time remaining for the current track.

Repeat Indicator:

This indicator will be turned on if the Repeat button is "pressed".

Shuffle Indicator:

This indicator will be turned on if the Shuffle button is "pressed".

Fast Scan:

This indicator will be turned on if the Fast Scan button is "pressed".

Time Mode:

This indicator will be turned on if the Time button is "pressed".

Related Topics:

[Volume Buttons](#)

[Scan Button](#)

[Repeat Button](#)

[Level Test Button](#)

[Fast Scan Button](#)

[Time Button](#)

Play Button

Click this button to begin playing the sound in the temporary file, or the sounds in the current selection or playlist. The appropriate symbol will be illuminated in the LED Display when this button is "pressed."

Related Topics:

[LED Display](#)

Pause Button

Click this button to temporarily stop the Digital Recorder. Click this button again to resume playing the current sound, selection or playlist. The Digital Recorder will begin playing at the same point you left off.

Scan Buttons

Click the forward scan (arrows pointing to the right) button to "fast forward" to another point in the selection. If the Fast Scan button is on, the system will scan twice as fast.

Click the backward scan (arrows pointing to the left) button to go back through the current selection. If the Fast Scan button is on, the system will move twice as fast.

Related Topics:

[Fast Scan Button](#)

[LED Display](#)

Shuffle Button

Click this button to hear the selections in the current playlist in random order (the order is determined by the system). Click this button again to run off the Shuffle option and return the selections to their original order.

Skip Button

Click the forward Skip Button (with the arrow pointing to the right) to advance one selection in the playlist. Each time you "press" this button, the Digital Recorder will advance one selection. When you reach the last selection in the playlist, clicking this button will cause the first selection to play.

Click the backward Skip Button (with the arrow pointing to the left) to go back one selection in the playlist. Each time you "press" this button, the Digital Recorder will go back one selection. When you reach the first selection in the playlist, clicking this button will cause the last selection to play.

Stop Button

Click this button to stop playing the current selection. Once this button is "pressed", you will no longer hear output from the Digital Recorder. The elapsed time (Min/Sec) indicators in the LED Display will be reset to zero. If the Time button is "pressed" (which changes elapsed time to time remaining), the time indicators will reflect the total time remaining.

Related Topics:

[LED Display](#)
[Time Button](#)

Record Button

Click this button to begin recording from an input source. For example, you can play a CD with the CD Player and record all or part of a song. You can do the same with the MIDI Player. Click the Stop Button to stop recording. The symbol shown on the Record Button will be illuminated in the LED Display when this button is "pressed."

Related Topic:

[LED Display](#)

Settings Button

Click this button to select the desired recording settings for the Digital Recorder.

Recording Settings Dialog Box

The Input Area is used to select the desired input source for the Digital Recorder. For example, if you want the CD Player to be the input source, move the selector button to the CD position.

The Rate Area is used to select the desired recording rate (sampling rate). The default setting is 22 (22050). The lower the rate, the smaller the file size (of the recording) and the lower the fidelity. The higher the rate, the large the file size and the higher the fidelity.

The Mode Area is used to indicate whether you want to record in stereo or mono. Move the indicator to the desired setting.

Once you have made all desired selections, click the OK button. Click the Cancel Button to dismiss the Recording Settings window.

Edit Button

Click this button to display the Edit Sample Dialog Box. This dialog box allows you to customize and edit a .WAV file (or part of that file). You can perform such functions as amplify, reverse, echo and fade.

Related Topic:

[Edit Sample Dialog Box](#)

Program Button

Click this button to display the Program Playlist Dialog Box.

This dialog box is used to create custom playlists.

Related Topic:

[Program Playlist Dialog Box](#)

Playlist

A playlist is a customized series of .WAV files. You can create playlists with any desired combination of these files.

Current Selection Drop List Field

You can use the [Drop List Icon](#) at the end of the field to display a list of all .WAV files in the current playlist. You can then select one from the list, if desired.

Related Topic:

[Program Playlist Dialog Box](#)

Drop List Icon

This Icon is used to display a list. If you click the icon at the end of the Current Selection Drop List Field, a list of .WAV files in the current playlist will be displayed. You can then select the desired sound file. The drop list will be dismissed and the selected file will be shown in the field.

Program Playlist Dialog Box

This dialog box is displayed when you click the Program Button on the Digital Recorder.

This dialog box is used to create customized playlists of .WAV files.

Related Topics:

[Creating Customized Playlists](#)

[Editing a Playlist](#)

[Loading a Playlist](#)

Creating Customized Playlists

Follow the steps below to create a customized playlist :

1. Be sure you have specified the correct path in which the desired .WAV files are located.
2. Click the Select All Button in the top part of the dialog box. All files will be highlighted.
3. Then click the Add Button. All sound files will appear in the Playlist Area of the dialog box.
4. You are now ready to remove the unwanted files from your playlist. Select the files you want to delete from the list and click the Remove Button .
5. Click the Save Button . The Save Playlist Dialog Box will be displayed. Enter the description of the playlist and click the OK Button.

Related Topics:

[Program Playlist Dialog Box](#)

[Editing a Playlist](#)

[Loading a Playlist](#)

Playlist Area

This area is used to create and display a customized list of selections for the current CD.

Select All Button

Click this to button to select or deselect all files listed. If you select all files, they will all be highlighted. If you deselect all files, the highlighting will be dismissed.

Editing a Playlist

1. Load the desired playlist.
2. Use the Add and/or Remove Buttons to add or delete files from the list.
3. Use the Describe Button to change the descriptions, if desired.
4. Click the Save Button. You can save the new playlist under a new name, if desired.

Related Topics:

[Creating Customized Playlists](#)

[Loading a Playlist](#)

Loading a Playlist

1. Open the Digital Recorder.
2. Click the Program Button. The Program Playlist Dialog Box will be displayed.
3. Click the Open Button.
4. Select a playlist from the scrolling list box, or enter the playlist name.
5. Click the OK Button. The Program Playlist Dialog Box will be re-displayed.

Related Topics:

[Creating Customized Playlists](#)

[Editing a Playlist](#)

Add Button

Click this button to add the selected files to the playlist area.

Describe Button

Click this button to display the Describe Selection Dialog Box. It is used to enter a description of a selected file. You can specify the name of the artist who created the sound, the title of the sound and any desired free-form comments. You can scroll through existing descriptions from within this dialog box. Click the OK button when finished with this dialog box.

Describe Button

Click this button to enter descriptions of files for your customized playlists. If you previously entered descriptions for these files, they will be displayed. You can modify these descriptions if desired.

Next Button

Click this button to enter the next selection into the Program Playlist Dialog Box.

Previous Button

Click this button to display the previous selection in the database.

Remove Button

Click this button to remove all selected files from the playlist.

OK Button

Click this button once you have entered all desired filename descriptions and playlists. This dialog box will be dismissed, saving your entries.

Cancel Button

Click this button to dismiss the Program Playlist Dialog Box, without saving any changes.

Open Button

Click this button to display the Open Playlist Dialog Box. A list of existing playlists will be shown. Select the desired playlist and click the OK Button. The selected playlist will then be opened.

Merge Button

Click this button to insert a playlist into the current playlist. Move the selection bar to the desired point in the playlist and click the Merge Button. The Merge Playlist Dialog Box will be displayed. Select the name of the playlist you want to insert and click the OK Button.

Merge Playlist Dialog Box

This dialog box is displayed when you click the Merge Button on the Program Playlist Dialog Box. This dialog box is used to select an existing playlist for insertion into the current playlist.

A list of all existing playlists will be displayed. Select one of these playlists and click the OK Button. The dialog box will be dismissed and the selected playlist will be inserted into the playlist currently shown in the Playlist Area of the Program Playlist Dialog Box.

Click the Cancel Button to dismiss the Merge Playlist Dialog Box.

If desired, you can delete one or more playlist. Select the playlist(s) you want to delete and click the Delete Button.

Related Topics:

[Program Playlist Dialog Box](#)
[Creating Customized Playlists](#)
[Editing a Playlist](#)
[Loading a Playlist](#)

Save Button

Click this button to display the Save Playlist Dialog Box. Once you have created the desired list of files, you can save them under a playlist name for easy retrieval. Enter the description of the playlist and click the OK Button.

Find Button

Click this button to display the Find Selection Dialog Box. This dialog box enables you to search through the database to find a particular file or group of files. You can search for a particular filename, artist or title. The system will display all titles in the database that match the specified search criteria.

Describe Selection Dialog Box

This dialog box is displayed when you click one of the Describe Buttons on the Program Playlist Dialog Box. This dialog box is used to enter the description of a .WAV file.

The Selection Area is used to enter the name of the Artist and the title of the file.

You can also enter any desired free-form comments about the sound file.

When you have completed entering information on a particular file, click the OK button to save the description. Click the Cancel Button to dismiss the dialog box, without saving your entries.

Related Topics:

[Program Playlist Dialog Box](#)
[Creating Customized Playlists](#)
[Editing a Playlist](#)
[Loading a Playlist](#)

Save Playlist Dialog Box

This dialog box is displayed when you click the Save Button on the Program Playlist Dialog Box.

The Save Playlist Dialog Box is used to enter the desired description for a playlist. All .WAV files shown in the Playlist area of the Program Playlist Dialog Box will be saved under the entered playlist name.

Once you have entered the desired playlist name, click the OK Button to save your entry. Click the Cancel Button to dismiss the dialog box, without saving your entry.

A list of existing playlists will be shown in this dialog box. You can select one or more of these playlists for deletion, if desired. Once the playlists are selected, click the Delete Button. The selected playlists will then be deleted.

Related Topics:

[Program Playlist Dialog Box](#)
[Creating Customized Playlists](#)
[Editing a Playlist](#)
[Loading a Playlist](#)

Open Playlist Dialog Box

This dialog box is displayed when you click the Open Button on the Program Playlist Dialog Box. This dialog box is used to select an existing playlist.

A list of all existing playlists will be displayed. Select one of these playlists and click the OK Button. The dialog box will be dismissed and the selected playlist will be shown in the Playlist Area of the Program Playlist Dialog Box.

Click the Cancel Button to dismiss the Open Playlist Dialog Box without selecting a playlist.

If desired, you can delete one or more playlist. Select the playlist(s) you want to delete and click the Delete Button.

Related Topics:

[Program Playlist Dialog Box](#)

[Creating Customized Playlists](#)

[Editing a Playlist](#)

[Loading a Playlist](#)

Find Selection Dialog Box

This dialog box is displayed when you click the Find Button on the Program Playlist Dialog Box.

This dialog box is used to search through your database for artists or titles for .WAV files. You can specify a filename and path in the Compilation Area.

You can also enter an artist or .WAV file title in the Selection Area. The Selection Area also allows you to specify a .WAV file time.

If you want to match the entire word of the search parameters, click the Match Whole Word Only button. If you want to match the case of the search parameters, click the Match Case button.

Once you have specified the desired search parameters, click the Find Button. The system will then display all matching files in the Playlist Additions area. If no search parameters are specified, clicking the Find Button will cause the system to display all .WAV files. If you want to add the files shown in the Playlist Additions area to the current playlist, click the OK Button.

Related Topics:

[Program Playlist Dialog Box](#)
[Creating Customized Playlists](#)
[Editing a Playlist](#)
[Loading a Playlist](#)

Edit Sample Dialog Box

This dialog box is displayed when you click the Edit Button on the Digital Recorder. This dialog box can be used to view the actual sound wave that makes up a .WAV file. You can also manipulate that wave in various ways. For example, you can fade all or part of the wave, echo all or part of the wave, or even cut a part of the wave and paste it into a different position.

Related Topics:

[Undo Button](#)

[Write to Disk Button](#)

[Copy From Disk Button](#)

[Cut Button](#)

[Copy Button](#)

[Paste Button](#)

[Erase Button](#)

[Magnify Button](#)

[Magnification Slider](#)

[Wave Display](#)

[Amplify Button](#)

[Pan Button](#)

[Fade Button](#)

[Chorus Button](#)

[Flange Button](#)

[Echo Button](#)

[Reverse Button](#)

[Mix Button](#)

[Insert Button](#)

[Rate Button](#)

[Stop Button](#)

[Pause Button](#)

[Play Button](#)

[Current File Field](#)

[Block \(Position\) Display](#)

[Block Save Button](#)

Undo Button

Click this button to undo the last operation performed on the wave or wave segment. Note that this feature only applies to the *last* operation.

Write to Disk Button

Click this button to display the Save File Dialog Box. You can then enter the name of the file under which you want to save the current wave.

Copy From Disk Button

Click this button to display the Open File Dialog Box. You can specify the name of a .WAV file you want to view in the Edit Sample Dialog Box.

Cut Button

Click this button to remove a selected portion of the wave and save it to the Clipboard. You can then click on a different part of the wave and use the Paste Button to insert that cut portion of the wave.

Related Topics:

[Paste Button](#)

[Copy Button](#)

Copy Button

Click this button to save a copy of the selected portion of the wave and save it to the Clipboard. You can then click on a part of the wave and use the Paste Button to insert the copied portion into the wave.

Related Topics:

[Paste Button](#)

[Cut Button](#)

Paste Button

Click this button to insert a saved or copied portion of the wave. Be sure you have clicked on the desired position in the wave before clicking the Paste Button. Note that stereo wave segments can only be pasted into stereo files.

[Cut Button](#)

[Copy Button](#)

Erase Button

Click this button to erase a selected portion of the currently displayed wave. It will not be copied to the Clipboard.

Magnify Button

Click this button to return to the last saved magnification position.

Magnification Slider

Use this slider to adjust the amount of the sound file that is shown in the display area. If the slider is in the leftmost position, the largest amount of the file will be shown. If the slider is in the rightmost position, the smallest amount will be displayed.

Scroll Bar

The scroll bar is used to manipulate the portion of the wave that is displayed. It allows you to "page" left and right through the wave file. Click the right arrow to "page" to the right. Click the left arrow to "page" to the left.

Slider Controls

Slider controls are used to adjust volume, magnifications and other levels. The position of the slider shows the current setting. Click on the control and hold down the left mouse button. Then move the control to the desired position and release the mouse button.

Wave Display

This area of the Edit Sample Dialog Box allows you to view the actual wave that makes up the sound in the currently selected .WAV file. The portion of the wave that is displayed is determined by the Magnification Slider position or whether you selected a particular portion of the wave and clicked the Magnify Button (to view only that selected part).

If the wave file is a stereo file, you will see a wave for the left and right channel. Otherwise, you will only see one wave displayed.

Each wave of a stereo file can be edited and enhanced separately. Note that the Pan effect can only be used on stereo files (it will be disabled for mono wave files). All other effects can be applied to mono or stereo files.

The effects can be applied to the entire wave or to a portion of the wave (by highlighting the desired portion). For stereo files, press the <Ctrl> key while you click the left mouse button to begin highlighting a wave segment, and the system will automatically highlight both channels at the same time. If you do not press the <Ctrl> key, only one channel will be highlighted. Once a segment has been highlighted (for mono and stereo files), you can "add to" the selected wave segment by holding down the shift key while highlighting with the mouse.

The units of measure for the wave display alternate between 2/100th and 3/100th second intervals.

You can use the scroll bar, located directly below the display area to move forward and backward through the wave file.

Related Topics:

[Magnification Slider](#)

[Magnify Button](#)

Amplify Button

Click this button to gradually increase the volume for the selected portion of the wave.

Adjust Amplification Parameters

This dialog box is used to indicate that amount that you want to increase the volume for the selected segment of the wave.

You can adjust the amplification by moving the slider to the desired position. Or, you can enter the desired level in the Level field (the up and down arrows can be used to increase or decrease the value in this field). If you want to select one of the quick level settings, click the +75, +25, -25, or -75 radio buttons. The level represents the desired amplification percentage.

If desired, you can disable the Undo feature. This means that a change in the amplification cannot be undone, without reloading the original file (assuming the change has not been saved). If you want to disable the undo option, click the Disable Undo button.

Once the desired amplification percentage has been selected, click the OK Button. Click the Cancel button to dismiss the window and return to the Edit Sample Dialog Box

Pan Button

Click this button to "pan" the wave (or wave segment) from the desired initial level to the desired final level. Note that this effect can only be applied to a stereo file. If the currently displayed wave is not a stereo file, this button will be automatically disabled.

Adjust Panning Parameters

This dialog box is used to indicate the initial and final sound levels for the application of the panning effect. These sound levels represent the percentage of the original wave (or wave segment) that will be used at the beginning and end of the effect.

You can adjust the Initial and Final levels by moving the slider to the desired position. Or, you can enter the desired level in the Initial and Final fields (the up and down arrows can be used to increase or decrease the value in these fields).

If desired, you can disable the Undo feature. This means that a change in the panning cannot be undone, without reloading the original file (assuming the change has not been saved). If you want to disable the undo option, click the Disable Undo button.

Once the desired settings have been selected, Click the OK button. Click the Cancel button to dismiss the window and return to the Edit Sample Dialog Box

Fade Button

Click this button to gradually decrease the volume for the selected portion of the wave.

Adjust Fade Parameters

This dialog box is used to indicate that amount that you want to decrease the volume for the selected segment of the wave.

You can adjust the fading by moving the slider to the desired position. Or, you can enter the desired level in the Level field (the up and down arrows can be used to increase or decrease the value in this field). If you want to select one of the quick level settings, click the +75, +50, or +25. This level represents the percent of the fading applied to the wave (or portion of the wave).

If desired, you can disable the Undo feature. This means that a change in the fading cannot be undone, without reloading the original file (assuming the change has not been saved). If you want to disable the undo option, click the Disable Undo button.

Once the desired settings have been selected, Click the OK button. Click the Cancel button to dismiss the window and return to the Edit Sample Dialog Box

Chorus Button

Click this button to create the effect of multiple voices or instruments. This effect will be applied only to the selected portion of the wave. This effect is similar to the Flange effect. However, the Chorus effect is better for voice sounds.

Flange Button

Adjust Chorus Parameters

This dialog box is used to indicate the parameters for the application of the choral effect on the wave (or selected segment of the wave). When the Choral effect is applied, the resulting sound is made up of three components: the original sound, the delay sound, and the sweep sound (the combination of the delay and sweep sounds never results in more than 100% of the original sound).

The sweep causes the system to alternate between increasing and decreasing the frequency of the wave (or portion of the wave). This creates the "multiple" voice or instrument effect. The sweep is measured in Miliseconds.

The delay causes a fullness or echo in the sound of the wave (or portion of the wave). If you set the delay at 35 or fewer Miliseconds, the sound will simply be "fuller." If you set the delay above 35 Miliseconds, it will result in an "echo."

You can adjust the level of the choral effect by moving the Depth slider to the desired position. Or, you can enter the desired depth in the Depth field (the up and down arrows can be used to increase or decrease the value in this field). The higher the depth, the higher the sweep. The lower the depth, the higher the fixed delay.

If desired, you can disable the Undo feature. This means that the application of the choral effect cannot be undone, without reloading the original file (assuming the change has not been saved). If you want to disable the undo option, click the Disable Undo button.

Once the desired settings have been selected, Click the OK button. Click the Cancel button to dismiss the window and return to the Edit Sample Dialog Box

Flange Button

Click this button to create a "tin can" effect. The system creates duplicates of the selected portion of the wave and shifts its phase. This effect is similar to Chorus. However, the Flange is better for guitar sounds.

[Chorus Button](#)

Adjust Flange Parameters

This dialog box is used to indicate the parameters for the application of the flange effect on the selected segment of the wave. When the Flange effect is applied, the resulting sound is made up of three components: the original sound, the delay sound, and the sweep sound (the combination of the delay and sweep sounds never results in more than 100% of the original sound).

The sweep causes the system to alternate between increasing and decreasing the frequency of the wave (or portion of the wave). This creates the "multiple" instrument effect. The sweep is measure in Miliseconds.

The delay causes a fullness or echo in the sound of the wave (or portion of the wave). If you set the delay at 35 or fewer Miliseconds, the sound will simply be "fuller." If you set the delay above 35 Miliseconds, it will result in an "echo."

You can adjust the level of the choral effect by moving the Depth slider to the desired position. Or, you can enter the desired depth in the Depth field (the up and down arrows can be used to increase or decrease the value in this field). The higher the depth, the higher the sweep. The lower the depth, the higher the fixed delay.

If desired, you can disable the Undo feature. This means that the application of the flange effect cannot be undone, without reloading the original file (assuming the change has not been saved). If you want to disable the undo option, click the Disable Undo button.

Once the desired settings have been selected, Click the OK button. Click the Cancel button to dismiss the window and return to the Edit Sample Dialog Box

Echo Button

Click this button to create an echo for the selected portion of the wave.

Adjust Echo Parameters

This dialog box is used to indicate the parameters for the application of the echo effect on the selected segment of the wave.

First you must indicate the desired sound level at the beginning of the of the wave (or wave segment). You can move the slider to the desired position. Or, you can enter the desired value in the Initial field (the up and down arrows can be used to increase or decrease the value in this field). This value represents the percentage of the original wave desired for the start of the echo.

Next, indicate the rate at which you want the sound to decay to its final level. Indicate this value in the Decay Rate field (this is measure in Milliseconds). Also specify the number of times you want the sound to be echoed. Indicate this value in the # of Echos field. Note: the larger the number of echos, the more time it will take to apply the effect to the wave (or wave segment).

You should then indicate the desired sound level at the end of the echo. Either move the slider to the desired position or use the Final field to indicate the desired level. This indicates the percentage of the original wave desired for the end of the echo.

If desired, you can disable the Undo feature. This means that the application of the echo effect cannot be undone, without reloading the original file (assuming the change has not been saved). If you want to disable the undo option, click the Disable Undo button.

Once the settings have been selected, Click the OK button. Click the Cancel button to dismiss the window and return to the Edit Sample Dialog Box

Reverse Button

Click this button to reverse (play backward) the wave or selected portion of the wave.

Mix Button

Click this button to merge another file from the playlist with the currently displayed .WAV file.

Adjust Mixing Parameters

This dialog box is used to indicate the name of the file you want to mix with the current wave file.

You can enter the desired file in the FileName field. Or, you can click the Browse Button to select the desired file from the Browse Dialog Box.

Next, indicate the volume level of the file you are mixing with the current wave file. This represents the percentage of the file's original volume you want played after the file is mixed with the current wave. Use the slider to select the desired level. Or, indicate the level with the Level field (enter the number or use the up and down arrows).

If desired, you can disable the Undo feature. This means that the application of the mixing effect cannot be undone, without reloading the original file (assuming the change has not been saved). If you want to disable the undo option, click the Disable Undo button.

Once the desired settings have been selected, Click the OK button. Click the Cancel button to dismiss the window and return to the Edit Sample Dialog Box

Browse Dialog Box

This Dialog Box is used to select the file you want to mix with the current wave file. Select the desired drive, path and filename. Then click the OK Button.

Insert Button

Click this button to insert silence into the wave. When you click this button, the Adjust Insert Parameters dialog box will be displayed.

Adjust Insert Parameters

This dialog box is used to indicate the number of milliseconds of silence you want to insert into the currently displayed wave.

Use the up and down arrow keys to increase or decrease the number of milliseconds shown in the field on this dialog box. You can also enter the number of desired milliseconds of silence. The minimum number of milliseconds of silence that can be inserted is 1. The maximum is dependent on available memory on your system. The system will automatically display the maximum number of milliseconds of silence you can insert into the wave.

If desired, you can disable the Undo feature. This means that the application of the insert silence cannot be undone, without reloading the original file (assuming the change has not been saved). If you want to disable the undo option, click the Disable Undo button.

Once the desired number of milliseconds has been specified, click the OK button. Click the Cancel button to dismiss the window and return to the Edit Sample Dialog Box

Rate Button

Click this button to change the sampling rate of the selected portion of the wave. This is typically used to allow merging of samples recorded at different rates.

Adjust Rate Parameters

This dialog box is used to indicate the desired sampling rate (recording frequency).

The default rate is 22050. However, you can also select 44100 or 11025. Note that the lower the frequency, the smaller the file and the lower the fidelity. The higher the frequency, the larger the file and the higher the fidelity.

Once the desired rate has been selected, Click the OK button. Click the Cancel button to dismiss the window and return to the Edit Sample Dialog Box

Stop Button

Click this button to stop playing the currently displayed wave file.

Pause Button

Click this button to temporarily stop playing the currently displayed wave file. Click this button again to resume playing the file.

Play Button

Click this button to play the currently displayed wave file.

Block (Position) Display

This area of the screen displays the starting and ending positions of the selected portion of the wave. If desired, you can manually enter the start and ending time position of the portion of the wave you want to select.

Block Save Button

Click this button to save a highlighted portion of the wave to disk. Note that for stereo files, the system will save both channels of the wave segment (even if only 1 channel is highlighted)

Block Magnify Button

Once you have highlighted a portion of the wave in the display area, click this button to magnify the highlighted portion to fill the entire display.

Current File Field

This field displays the name of the currently displayed wave file. The complete time of the file is shown, in addition to its number within the playlist. If the wave file is not in a playlist (or it is the first file in a playlist), it will be assigned number 01.