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Programming the Creative MPEG

What is Creative Multimedia Decks?

Creative Multimedia Decks is a collection of players that allows you to independently or concurrently control multimedia devices like your CD-ROM drive and MPEG device. It consists of Creative Remote and Multimedia Decks players like Creative CD, Creative Wave, Creative MIDI and Creative MPEG.

What is Creative MPEG?

Creative <u>MPEG</u> is the player in the Multimedia Decks suite of players. In addition to letting you play <u>Karaoke CD</u>, <u>Video CD</u>, <u>MPG</u> files and <u>VBS</u> files, It also has some advanced features which include:

- q ability to be controlled by the Creative Remote,
- q OLE Automation support,
- q Plug and Play support,
- q power management support,
- q a "touch-sensitive" display,
- q multiple display forms,
- q fine control of a track's playing position,
- q Introduction Mode, Repeat Playlist Mode, Repeat Track Mode, Shuffle Mode for playback and Mute Mode,
- q Slow Motion and Single Step playback,
- q playlist compilation of different MPEG files into a Collection,
- q fast track selection,
- q direct volume control for multiple sound cards, and
- q saving still image to file.

Note: The terms "track" and "file" are used interchangeably throughout this document.

Using the Playlist dialog

Compiling a playlist

Adding tracks to the playlist

Previewing tracks

Setting the directory, path and types of files to display in the File-list list box

Removing tracks from the playlist

Selecting tracks in the Playlist dialog

Rearrange tracks in the playlist

Assigning artiste name to tracks

Entering notes for tracks in the playlist

Naming the playlist

Compiling a playlist

Creative MPEG plays MPEG files (or tracks) from a playlist. You can compile tracks in the playlist using the Playlist dialog.

To compile the playlist:

- 1. Choose the Playlist button.
- 2. Perform the desired operations in Playlist dialog:
 - q Add tracks to the playlist
 - q Preview tracks
 - q Setting the directory, path and types of files to display in the File-list list box
 - q Remove tracks from the playlist
 - q Rearrange tracks in the playlist
 - q Assign artiste name to tracks in the playlist
 - q Enter notes for tracks in the playlist
 - q Name the playlist
- 3. Choose Done when you have satisfactorily compiled the playlist. If you wish to cancel all changes made to the playlist, choose Cancel.

Adding tracks to the playlist

To add tracks to the playlist:

- 1. Select the tracks to add to the playlist from the File-list list box.
- 2. Choose Add to add the tracks to the Playlist list box, or Add All to add all the tracks in the File-list list box to the Playlist list box.

Tips

You can also add track to the playlist in one of the following ways:

- Double-clicking the track in the File-list list box.
- Dragging selected tracks from the File-list list box and dropping them into the Playlist list box.
- Dragging selected tracks from Explorer or File Manager and drop them into Creative MPEG.
 These tracks will be added to the playlist. This operation is done outside the Playlist dialog.

Previewing tracks

To preview tracks:

- 1. Select the tracks from the Playlist or File-list list box.
- 2. Choose Play to preview the tracks.

Setting the directory, path and types of files to display in the File-list list box

The File-list displays a list of files that you can add to the playlist.

To select the directory, path and types of files to display:

- 1. Choose the Directory button.
- 2. Select the directory, path and types of files.
- 3. Choose Done.

The File-list list box displays the selected files.

Removing tracks from the playlist

To remove tracks from the playlist:

- 1. Select the tracks from the Playlist list box.
- 2. Choose Remove to remove selected tracks, or Remove All to remove all tracks in the Playlist list box.

Tips

You can also remove a track from the playlist in one of the following ways:

- Double-clicking the track in the playlist list box.
- Pressing the <Ctrl+Shift+R> keys to remove the current track from the playlist. This operation is done outside the Playlist dialog.

Selecting tracks in the Playlist dialog

You can select multiple tracks for previewing, adding, or removing by holding down <Ctrl> or <Shift> while you choose them.

- q To randomly select multiple tracks, hold down <Ctrl> before you select the tracks.
- q to select a group of consecutive tracks, hold down <Shift> and select the first and last tracks in the list.

Rearrange tracks in the playlist

To rearrange a track in the playlist:

1. Click and hold down the left mouse button on the track in the Playlist list box and drag it to the new position.

The track will be inserted at that position in the Playlist list box.

Assigning artiste name to tracks

To assign an artiste name to a track:

- 1. Select the track.
- 2. For new artiste name, type in the artiste name in the Track Artiste combo box. For existing artiste name in the Track Artiste combo box, select the artiste name in the Artiste Name combo box.

Tips

• You can also assign a single artiste name to multiple tracks in the playlist by selecting the tracks and assigning an artiste name to them.

Entering notes for tracks in the playlist

To enter notes for a track in the playlist:

- 1. Selects the track you want to enter notes to.
- 2. Type in the notes for that track in the Track Notes edit box.

Tips

 You can also enter the same notes for multiple tracks by selecting the tracks and entering the notes in the Track Notes edit box.

Naming the playlist

Once you have compiled your playlist, you may want to give the playlist a title.

To give your playlist a title:

- 1. Choose Save As.
- 2. Type the title of the playlist in the edit box of the Save As Collection dialog.
- 3. Choose OK.

Tips

• If you choose Cancel, you will return to the Playlist dialog box without saving the title.

Playing tracks

Starting and stopping a track

Playing a particular track

To pause and resume playing

Changing to a different track

Moving forward and backward within a track

Playing tracks in random order

Playing the first few seconds of tracks

Playing tracks in the playlist repeatedly

Playing the current track repeatedly

Playing Video CD Version 2.0

Starting and stopping a track

To start a track, choose the <u>Play button</u>.

To stop a track, choose the **Stop button**.

Playing a particular track

To play a particular track:

- 1. Choose a button from the <u>Fast Track Selector</u> that corresponds to the track you want.
- 2. To choose a double-digit number, click on both digit buttons consecutively within two seconds. If you want to select track 15, choose button 1 and then button 5.

To pause and resume playing

Choose the <u>Pause button</u> to pause, and then choose the <u>Play button</u> or Pause button again to resume playing.

Changing to a different track

To change to the next track in the playlist, choose the <u>Skip Forward button</u>.

To change to the previous track in the playlist, choose the <u>Skip Backward button</u>.

Moving forward and backward within a track

You can also move forward and backward within a track in one of the following ways:

- Choosing the <u>Fast Forward button</u> or <u>Rewind button</u>.
- Moving the <u>Graphic Slider</u> to the position of the track you want.

If your player is already playing a track, Creative <u>MPEG</u> will immediately go to the position you have chosen and start playing.

If your player is not playing a track, choose the <u>Play button</u> to start playing the track from the chosen position.

Playing tracks in random order

To play tracks in random order, select the <u>Shuffle Mode Selector</u> in the <u>Touch Sensitive Display</u>. The Shuffle Mode shuffles the playlist and randomly rearrange the playlist.

Note

If Creative MPEG is already playing, selecting Shuffle Mode stops the current playback and starts playback from the first track of the reordered playlist.

Playing the first few seconds of tracks

To play only the first few seconds of all tracks in the playlist, select the Intro Mode Selector in the <u>Touch Sensitive Display</u>.

Playing tracks in the playlist repeatedly

To repeatedly play tracks in the playlist, set the <u>Repeat Mode Selector</u> to Repeat Playlist Mode.

Playing the current track repeatedly

To repeatedly play the current track, set the <u>Repeat Mode Selector</u> to Repeat Track Mode.

Playing Video CD Version 2.0

The Creative MPEG is able to switch between Video CD version 1.1 and version 2.0 by simply clicking the CD Mode Selector. When a Video CD ver. 2.0 is selected, the player will switch to play tracks from menu selection.

The Video CD main menu will display a list of song titles. The selection of song titles will be based on the title numbers displayed on the main menu. The <u>fast track selector</u> buttons is used for these song selections once the main menu appears.

Note: You can use hot keys to select the song titles. Eg. press <1> to select first song titles and <S> to stop playing.

Selecting sound card and volume device

Creative <u>MPEG</u> allows you to control multiple sound cards if you have more than one sound card installed in your system. It also allows you to control multiple volume devices of the selected sound card.

To select the sound card to control:

- 1. Click on the <u>Graphic Volume Slider</u> using your right mouse button or press <Ctrl+Shift+V>. A popup menu appears showing you the available sound cards.
- 2. Selects the sound card you want.

To select the volume device to control:

- Click on the Graphic Volume Slider using your right mouse button or press <Ctrl+Shift+V>.
 A popup menu appears showing you the volume devices Creative MPEG can control.
- 2. Select the volume device you want.

Adjusting the volume

You can adjust the volume of Creative <u>MPEG</u> using the <u>Graphic Volume Slider</u> on the <u>Touch Sensitive</u> <u>Display</u>.

To adjust the volume, click and drag the Graphic Volume Slider to a level you want.

The alternative way is to use the Audio/Video Controls dialog to control the left/right voulme.

Using Preferences dialog

The Preferences dialog allows you to set preferences for Creative MPEG.

Related Topics:

Balloon help

Show track time remaining

Minimize on play

Play on startup

Play on new playlist

Play on disc insert

Intro length

Slowmotion

<u>Step</u>

Save settings on exit

Balloon help

Balloon help provides you with information about a control or button that you are currently pointing at. A message appears giving you a brief description of that control.

You can enable or disable the balloon help of your player by checking or unchecking respectively the "Balloon help" option in the check list box of the Preferences dialog.

Show track time remaining

In addition to displaying the track time played of a track, Creative $\underline{\mathsf{MPEG}}$ is also able to display the track time remaining of a track.

You can enable or disable this option by checking or unchecking respectively the "Show track time remaining" option in the check list box of the Preferences dialog.

Minimize on play

Creative MPEG can automatically be minimized each time it starts playing.

You can enable or disable this option by checking or unchecking respectively the "Minimize on play" option in the check list box of the Preferences dialog.

Play on startup

Creative MPEG can automatically start playing when it is launched.

You can enable or disable this option by checking or unchecking respectively the "Play on startup" option in the check list box of the Preferences dialog.

Play on new playlist

Creative <u>MPEG</u> can automatically start playing when the Playlist dialog is closed and when there is a change in the playlist.

You can enable or disable this option by checking or unchecking respectively the "Play on new playlist" option in the check list box of the Preferences dialog.

Play on disc insert

Creative MPEG can automatically start playing when a disk is inserted.

You can enable or disable this option by checking or unchecking respectively the "Play on disc insert" option in the check list box of the Preferences dialog.

Intro length

Creative MPEG allows you to specify the amount of time in seconds between tracks when Creative MPEG is in the intro mode.

You can set the intro length in the Preferences dialog.

Slowmotion

Creative <u>MPEG</u> allows you to specify the speed of the slow motion playback. The greater the value, the slower is the slowmotion playback.

You can set the Slowmotion in the Preferences dialog.

Step

Creative <u>MPEG</u> allows you to specify the number of frames each step command will step. The greater the value, the greater the number of frames it step.

You can set the Step in the Preferences dialog.

Save settings on exit

If this option is set in the Preferences dialog, Creative $\underline{\mathsf{MPEG}}$ will save the changes made in the Preferences dialog when it exits.

Command line processing

The following command line switches are supported by the application:

Switch	Description
/play or /p	Starts playback.
/play <track number=""/> or /p <track number=""/>	Plays specified track.
/stop or /s	Stops playback.
<track name=""/>	Add specified track to the collection.

Keyboard Shortcuts

Press	To do this
<ctrl+p></ctrl+p>	Plays the current track.
<ctrl+a></ctrl+a>	Pauses the playing track.
<ctrl+s></ctrl+s>	Stops the playing track.
<ctrl+q></ctrl+q>	Plays the current track in slow motion.
<ctrl+r></ctrl+r>	Step the current track.
<ctrl+b></ctrl+b>	Plays the previous track.
<ctrl+o></ctrl+o>	Plays the next track.
<k></k>	Rewind the track.
<w></w>	Fast Forward the track.
<ctrl+l></ctrl+l>	Shows the Playlist dialog.
<ctrl+f></ctrl+f>	Sets preferences.
<ctrl+m></ctrl+m>	Shows mixer settings.
<ctrl+d></ctrl+d>	Switches the display mode.
<ctrl+shift+d></ctrl+shift+d>	Shows select display mode menu.
<ctrl+shift+r></ctrl+shift+r>	Removes current track from the playlist.
<ctrl+shift+v></ctrl+shift+v>	Shows select volume device menu.

If the application launches and quits immediately without giving any error messages

This is probably due to the application resource DLL file MPGRES32.DLL being missing from the application directory. Try locating the file and move it to the same directory as the application. If you cannot find the file in your system, you will need to reinstall the application.

If you have problems adjusting the volume

No effect when adjusting the loudness of the volume:

- Check that the speakers are properly connected to the <u>MPEG</u> card.
- Check that the Mute control in the LED is not in mute mode.

If you encounter error messages

OLE 2.0 initialization failed. Make sure that the OLE libraries are the correct version.

Unable to display About box. Ensure that CTRES32.DLL is present in your system.

<u>Unable to load mixer. Try running the Creative Mixer application from its program group to verify if it is installed properly.</u>

This file cannot be played on the specified MCI device. The file may be corrupt, or not in the correct format.

The device needed to play the file is already in use. Wait until it is free, and then try again.

Failed accessing file. Check that this file exists and is not in use (locked).

Failed accessing file. This file is already in use.

The file cannot be opened. Try closing other open files and then try again.

Failed to launch Multimedia Properties. Check if application is installed.

OLE 2.0 initialization failed. Make sure that the OLE libraries are the correct version.

Creative <u>MPEG</u> supports OLE 2.0 Automation and requires the OLE libraries to run. Try running the application again. If it fails again, the OLE libraries in your system are not the correct version or missing. Try installing the application again.

Unable to display About box. Ensure that CTRES32.DLL is present in your system.

The file CTRES32.DLL is required to display Creative MPEG's About box. Check that the file is in your system. If it is not, you may want to reinstall the program. Creative MPEG can still run without this file.

Unable to load mixer. Try running the Creative Mixer application from its program group to verify if it is installed properly.

The mixer application has probably been deleted or moved to another directory. Locate the mixer application and run it to check that it is working.

This file cannot be played on the specified MCI device. The file may be corrupt, or not in the correct format.

Creative MPEG can only play MPEG files. If a MPEG file cannot be played, then it is probably corrupted. Remove it from the playlist.

The device needed to play the file is already in use. Wait until it is free, and then try again.

Another application is playing a <u>MPEG</u> file. Try quitting the other application, or wait until that application has stopped playing the MPEG file.

Failed accessing file. Check that this file exists and is not in use (locked).

The file has probably been deleted or moved to another directory. If the file cannot be located, remove the file from the playlist.

Failed accessing file. This file is already in use.

Check that the MPEG file is not opened by another application like the Media Player.

The file cannot be opened. Try closing other open files and then try again.

There are too many files opened in Windows. Try closing some of the files first and then try opening the file again.

Failed to launch Multimedia Properties. Check if application is installed.

Make sure that CONTROL.EXE exists in the Windows directory and MMSYS.CPL exist in the Windows system directory. If not, you may want to reinstall your Windows. The player can still run without these files.

Programming the Creative MPEG

You can create your own application to control the Creative <u>MPEG</u> through OLE Automation. Below documents the Creative MPEG application object that is exported by the application. The type library file CTAUTO.TLB is supplied with the application.

CreativeMPEG Object

The following table shows the properties that are exposed by the Creative MPEG application:

Properties

i iopeities			
Property name	Return type	Access	Description
Application	Application object	Read-only	Returns the application object.
FullName	String	Read-only	Returns the file specification for the application, including path.
Name	String	Read-only	Returns the name of the application.
Parent	Application object	Read-only	Returns the application object.
Visible	Bool	Read-write	Sets or returns whether the application is visible to the user.
TrackCount	Short	Read-only	Returns the number of tracks in the collection.
TrackNumber	Short	Read-only	Returns the current track's track number
TrackName	String	Read-only	Returns the current track's track name.
Collection	String	Read-only	Returns the current collection name
Artiste	String	Read-only	Returns the current track's artiste name
Playing	Bool	Read-only	Returns whether the application is currently playing.
Stopped	Bool	Read-only	Returns whether the application is currently stopped.
Paused	Bool	Read-only	Returns whether the application is currently paused.
Playlist	Bool	Read-only	Returns whether the application's Playlist dialog is currently shown.

The following table shows the methods that are exposed by the Creative MPEG application:

Methods

Method name	Return type	Parameters	Description
Quit	None	None	Exits the application.

Play	None	None	Starts playing.
PlayTrack	None	Track number of the track to play	Plays the specified track.
Stop	None	None	Stops playing.
Pause	None	None	Pauses/unpauses playback
SkipForward	None	None	Moves to the next track.
SkipBackward	None	None	Moves to the previous track.
ShowPlaylist	None	None	Shows the Playlist Dialog.
AddTrack	Bool	Full path name of the	Adds a track to the collection.
		track to add.	Returns success or failure.
RemoveCurrentTr ack	Bool	None	Removes the current track from the collection.
			Returns success or failure.

Glossary of Terms

Power Button

Menu Button

Minimize Button

Play Button

Stop Button

Pause Button

Skip Forward Button

Skip Backward Button

Fast Forward Button

Rewind Button

Playlist Button

Fast Track Selector

Touch Sensitive Display

Graphic Volume Slider

Graphic Slider

Shuffle Mode Selector

Introduction Mode Selector

Repeat Mode Selector

Playback Status Indicator

Playlist Dialog Collection Combo Box

Playlist Dialog New Button

Playlist Dialog Save Button

Playlist Dialog Save As Button

Playlist Dialog Delete Button

Playlist Dialog Preview Buttons

Playlist Dialog Add Button

Playlist Dialog Add All Button

Playlist Dialog Remove Button

Playlist Dialog Remove All Button

Playlist Dialog Directory Button

Playlist Dialog Playlist List Box

Playlist Dialog File-list List Box

Playlist Dialog Track Name Edit Box

Playlist Dialog Track Artiste Combo Box

Playlist Dialog Track Notes Edit box

Playlist Dialog Done Button

Playlist Dialog Cancel Button

Playlist Dialog Help Button

Save As Collection Dialog Collection Name Edit Box

Save As Collection Dialog OK Button

Save As Collection Dialog Cancel Button

Save As Collection Dialog Help Button

Preferences Dialog OK Button

Preferences Dialog Cancel Button

Preferences Dialog Help Button

Preferences Dialog Intro Length Setting

Preferences Dialog Save Setting On Exit Check Box

<u>Preferences Dialog Check List Box</u>

Preferences Dialog Slow motion Setting

Preferences Dialog Step Setting

Color Settings Controls

Volume Controls

Video Alignment Controls

Display Crop Alignment Controls

Colorkey Correct Controls

AV Control OK Button

AV Control Cancel Button

AV Control Help Button

Snapshot Filename Edit Box

Snapshot Sequence Number Spin Button

Snapshot Directory Edit Box

Snapshot Browse Button

Snapshot Format Combo Box

Snapshot Option Button

Snapshot OK Button

Snapshot Cancel Button

Save Image As Option Button

Eject Button

Slow Motion Button

Step Button

Mute Mode Selector

CD Mode Selector

File Mode Selector

Save Format Color Settings

Save Format Compression

Save Format SubSampling

Save Format Quantization

Save Format OK Button

Save Format Cancel Button

Playlist Dialog Stop Button

Playlist Dialog Reset All Button

Playlist Dialog Track Title Edit Box

Playlist Dialog Skip Forward Button

Playlist Dialog CD List Box

Karaoke CD

MPEG

MPG

VBS

Video CD

Video CD ver. 2.0

Power Button

Quits the player.

Menu Button

Displays the player menu that allows you to access standard Windows menu options as well as several other player options.

Minimize Button

Minimizes the player.

Play Button

Plays the current track.

Stop Button

Stops the playing track.

Pause Button

Pauses the playing track or plays the paused track.

Skip Forward Button

Moves to the next track in the playlist. If currently at the last track of the playlist, moves to the first track of the playlist.

Skip Backward Button

Moves to the previous track of the playlist. If currently at the first track of the playlist, moves to the last track of the playlist.

Fast Forward Button

Move's forward within the track. When the end of the track is reached, moves to the next track and continue forwarding.

Rewind Button

Moves backwards within the track. When the beginning of the track is reached, moves to the previous track and continue rewinding

Playlist Button

Activates the Playlist dialog box which allows you to compile a selection of the tracks to be played
--

Fast Track Selector

Allows you to choose a track that you want to play. To play a track that is 2-digit number, choose the first track number followed by the second track number within 2 seconds.

Touch Sensitive Display

This display consists of several "touch sensitive" controls as well as indicators that shows the current playback status and track information. Left-click on the display or press <Ctrl-D> to switch between the different display modes. Right-click on the display or pressing <Ctrl-Shift-D> will popup a menu that allows you to select another display mode.

Graphic Volume Slider

Shows and controls the volume level of the player. Move the slider level up to increase and move it down to decrease the volume. Right-mouse click on it will popup a menu that allows you to select the sound card and device to control.

Graphic Slider

Indicates the percentage of the current track that has been played. It can also be used to control the position of the track to play.

Shuffle Mode Selector

Changes the playing order of tracks in the playlist randomly.

Introduction Mode Selector

Plays only the first few seconds of all the tracks.

Repeat Mode Selector

Use this selector to select one of these repeat mode:

- q No repeat.
- q Repeat whole playlist. This mode allows you to repeat playing the entire playlist tracks when the last track has played.
- q Repeat only current track. This mode allows you to repeatedly play the current track.

Playback Status Indicator

Indicates the state of the player. For example Play, Stop, Pause, Skip Forward, Skip Backward, etc.

Playlist Dialog Collection Combo Box

Shows current collection and for selecting another collection. Collection is the name of a saved playlist.

Playlist Dialog New Button

Creates a new collection.

Playlist Dialog Save Button

Saves the modified playlist into the current collection.

Playlist Dialog Save As Button

Saves the playlist into another collection.

Playlist Dialog Delete Button

Deletes the current collection

Playlist Dialog Preview Buttons

Previews the selected tracks.

Playlist Dialog Add Button

Includes the selected tracks to the Playlist list box.

Playlist Dialog Add All Button

Includes all tracks to the Playlist list box.

Playlist Dialog Remove Button

Removes the selected tracks from the Playlist list box.

Playlist Dialog Remove All Button

Removes all the tracks in the Playlist list box.

Playlist Dialog Directory Button

Selects the directory, path and type of the files to be displayed in the File-list list box.

Playlist Dialog Playlist List Box

Displays a list of tracks in the sequence in which the player will play.

Playlist Dialog File-list List Box

Displays the files in the current directory.

Playlist Dialog Track Name Edit Box

Displays the full pathname of the file selected in the Playlist or File-list list box.

Playlist Dialog Track Artiste Combo Box

Allows you to enter artiste names for the tracks in the playlist.

Playlist Dialog Track Notes Edit box

Allows you to enter notes for the tracks in the playlist.

Playlist Dialog Done Button

Confirms the compilation of tracks in the playlist and exits the dialog.

Playlist Dialog Cancel Button

Cancels changes made to the tracks in the Playlist list box. The playlist reverts to its last saved copy.

Playlist Dialog Help Button

Displays the on-line help facility.

Save As Collection Dialog Collection Name Edit Box

Type in the new collection name for the playlist here.

Save As Collection Dialog OK Button

Confirms the new collection name for the playlist.

Save As Collection Dialog Cancel Button

Cancels saving the playlist to another collection.

Save As Collection Dialog Help Button

Displays the on-line help facility.

Preferences Dialog OK Button

Confirms the changes in the dialog and applies the new settings.

Preferences Dialog Cancel Button

Cancels changes made in the dialog.

Preferences Dialog Help Button

Displays the on-line help facility.

Preferences Dialog Intro Length Setting

Specifies the amount of time in seconds you want between tracks when the player is in the intro mode
--

Preferences Dialog Save Setting On Exit Check Box

Saves the changes made in this dialog when the player exits.

Preferences Dialog Check List Box

Allows you to enable or disable various player options.

Preferences Dialog Slow motion Setting

Specifies the speed of the slow motion playback when the player is in the slow motion mode.

Preferences Dialog Step Setting

Specifies the number of frames each step command will step when the player is in the step mode.

Color Settings Controls

Adjust the quality of the displayed image in the video window.

Volume Controls

Adjust the left/right volume of the Creative MPEG.

Video Alignment Controls

Remove the magenta traces appearing at the side of the image.

Display Crop Alignment Controls

Remove the black borders appearing at the side of the image.

Colorkey Correct Controls

Remove magenta traces caused by colorkey correction.

AV Control OK Button

Confirms the changes made and applies the new settings.

AV Control Cancel Button

Cancel all changes made and revert to the old settings.

AV Control Help Button

Displays the on-line help facility.

Snapshot Filename Edit Box

Provides a space for you to type the name of the file.

Snapshot Sequence Number Spin Button

This number will append to the filename in a running number order. It will automatically increment when you do a snapshot.

Snapshot Directory Edit Box

Selects the directory and path for the image to save into.

Snapshot Browse Button

Click this to browse through folders to find the file you want.

Snapshot Format Combo Box

Specifies the type of file you are saving. The list includes all the available file types that this program can recognise.

Snapshot Option Button

Allows you to change the configurations for each file format that you are saving.

Snapshot OK Button

Saves the settings for the snapshot file saving.

Snapshot Cancel Button

Cancel the changes you have made to the settings of snapshot file saving.

Save Image As Option Button

Allows you to change the configurations for each file format that you are saving.

Eject Button

Opens and Closes the CD-ROM tray.

Slow Motion Button

Playing track in slow motion mode.

Step Button

Playing track in step mode.

Mute Mode Selector

Toggle the volume of the player on and off.

CD Mode Selector

This selector select the specific CD-ROM drive to play. If a <u>Video CD ver. 2.0</u> is inserted, it will allow toggling between Video CD ver. 2.0 and Video CD ver. 1.1.

File Mode Selector

This selector sets the Creative MPEG to play from mpeg files instead of playing from Video CE

Save Format Color Settings

Specifies the color used for saving the image.

Save Format Compression

Specifies the compression used for saving the image.

Save Format SubSampling

Specifies the YUV value for saving the image.

Save Format Quantization

Specifies the compression ratio for quality of image.

Save Format OK Button

Saves the settings for save file format.

Save Format Cancel Button

Cancel all changes made and revert to previous settings.

Playlist Dialog Stop Button

Stop the preview playback.

Playlist Dialog Reset All Button

Reset all track titles to the original titles.

Playlist Dialog Track Title Edit Box

Display the track title selected on the Playlist or CD list box.

Playlist Dialog Skip Forward Button

Moves to the next track in the Playlist when more than one tracks are selected.

Playlist Dialog CD List Box

Displays the track titles in the $\underline{\mbox{Video CD}}.$

Karaoke CD

CD format proposed by JVC and Philips Consumer Electronics which will ensure that <u>video CD</u> programs can be played interchangeably on a wide variety of platforms.

MPEG

MPEG stands for the Moving Picture Expert Group. It is a Working Group that was established by the International Standards Organization (ISO) to develop a standard for the compression of full-motion digital video.

MPG

MPG stands for $\underline{\mathsf{MPEG}}$. It is a file format for describing MPEG files that contain video and audio information.

VBS

VBS stands for Video Bitstream. It is a file format for describing $\underline{\mathsf{MPEG}}$ files that contain only video information.

Video CD

Video CD is based closely on the audio CD. They have identical playback mechanism, manufacturing technology and physical encoding. The only difference is that the binary information read is sent to an MPEG decoder instead of a digital-to-analog converter (DAC).

Video CD ver. 2.0

<u>Video CD</u> ver. 2.0 is a new version of Video CD ver. 1.1. The main difference is that it is added with support for hot-spot areas on menu screens.