

VoiceMP3



VoiceMP3

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Thank you for using BCL VoiceMP3!
Please visit us on the web at
www.bcltechnologies.com or contact us
at sales@bcltechnologies.com

About BCL VoiceMP3

BCL VoiceMP3 turns your hand held device into an MP3 player that allows you to control playback functions with your voice!

Easy to Use

BCL VoiceMP3 automatically scans your hard drive for a list of all available MP3s. Simply press the Play button or say "Play" to begin.

MP3 Playback

BCL VoiceMP3 is a fully functional music player that includes all the standard playback functions plus a few extras. Use the on-screen buttons or the center button to control playback... or press the record button to speak a command! You can speak commands such as:

- Play song, Pause
- Play next, Play previous
- Shuffle, Repeat
- Volume maximum, Mute, Volume up, Volume down
- Song name, Next song name, Previous song name
- Turn off screen, Turn on screen
- Set Marker

Controlling VoiceMP3 with Voice

BCL VoiceMP3 recognizes a complete set of music control verbal commands, allowing you to control all playback functions via speech. Now you can control the player without ever having to look at the screen.

PRESS and **HOLD** the record button on the side of the device and wait for the audio prompt signal.



WAIT ½ of a second and then **SPEAK** into your PDA's built-in microphone at a distance of 1 - 4 feet.



RELEASE the record button approximately 1 second after speaking.



Note: This is the *Click & Hold* method, and it is the default voice input method. To use the *Click & Release* method, see [Options](#).

Noise

BCL VoiceMP3 works best in *low noise* environments.

However, the system can recognize verbal commands in *steady noise* conditions (e.g. engine and road noises while in a vehicle). In these types of situations, allow a longer lead time before speaking the command (1 or more seconds) so that BCL VoiceMP3 can adjust to the noise.

Voice recognition sometimes fails in *"spiky" noise* environments (e.g. at a construction site or in a crowd of people). BCL VoiceMP3 can tolerate a reasonable amount of noise, but for best results, use it in a relatively noise-free environment. If the command is not recognized, repeat the process.

THIS IS A COMPLETE LIST OF ALL OF THE VERBAL COMMANDS BCL VOICEMP3 WILL RECOGNIZE:

Main Commands

Load [SongName] Open [SongName]	Loads and plays the song. You don't have to say the file extension (.mp3).
File name Song name	Reads the current song name
Play Play song	Plays the selected song or the marked song, if it exists
Stop Pause	Stops playing the song
Play next Next	Plays the next song in the play list
Play previous Previous Back	Plays the previous song in the play list
Repeat	Replays the current song

Playlist Commands

Load playlist [FileName] Open playlist [FileName]	Loads a playlist. You don't have to say the file
--	--

	extension (.asx)
Playlist name Playlist	Reads the current playlist
Show playlist	Opens playlist options
Volume Commands	
Maximum Volume Maximum	Sets the volume to the maximum setting
Minimum Volume Minimum Mute	Sets the volume to the minimum setting
Volume Up	Increases the volume by 10%
Volume Down	Decreases the volume by 10%
Marker Commands	
Browse Songs Browse Files	All the song names in the current playlist will be read out loud one by one. You can say "Stop" or "Play" in between song names. If you say "Stop," the song will be marked, but not played. To play the marked song, simply say "Play song"
Next File Next Song Next Song Name	Marks the next song
Previous File Previous Song Previous Song Name	Marks the previous song
Play Play Song	Plays the marked song
Marker Marker Name	Reads the marked-song's name
Cancel	Removes the Marker
Other Commands	
Shuffle Random	Randomizes the playback order
Screen Off Turn Off Screen	Turns the screen off
Screen On Turn On Screen	Turns the screen on

See these topics for more information:

- [Operating Playback Options](#)
- [Using the Marker](#)
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Operating Playback Options



Play

Make sure that there is at least one MP3 file in the song list. To add or remove songs, please see [Playlist Options](#). Any of these three methods will allow you to play an MP3:

- Click a song in the song list
- Press the play button
- Say "Play" or "Play Song"
- Say "Load [song name]" (ignore the file extension)

Stop / Pause

Stop and pause have essentially the same functionality. Stop or pause a song that is currently playing by pressing the Pause button or saying "Stop" or "Pause."

Next, Previous

Press the right or left arrow to play the next or previous song, or push the center button right or left. Alternatively, you can say, "Play Next," "Next," "Play Previous," "Previous," or "Back" to change the currently playing song.

Shuffle

Click [**tools** > **shuffle**] to randomize playback. This can also be accomplished by saying, "Shuffle," or "Random."

Marker

The [Marker feature](#) is unique to this voice enabled MP3 player. It lets you browse the songs in the playlist without interrupting the currently playing song.

See these topics for more information:

- [Controlling VoiceMP3 using voice](#)
- [Controlling the Volume](#)
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Controlling the Volume

The playback volume can be controlled by sliding the volume bar to the left or to the right, or by pushing the center button up or down. Volume can also be controlled by voice using the following verbal commands:

Volume Voice Commands

Maximum, Volume Maximum	Sets the volume to the maximum setting
Minimum, Volume Minimum, Mute	Sets the volume to the minimum setting
Volume Up	Increases the volume by 10%
Volume Down	Decreases the volume by 10%

Note: This is not your PDA's Master Volume control. VoiceMP3's maximum volume cannot exceed the maximum level you set in your PDA's Master Volume.

See these topics for more information:

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Playlist Options

When BCL VoiceMP3 is started, it automatically searches the memory for all Playlist files. Load MP3s in a Playlist by [saying](#), "Load Playlist [file name]"

MP3s can be added or removed to the playlist by clicking on [**Playlist > Edit Playlist...**] from the menu:



Create a new playlist

Click [Add] in the *Play lists* area. Select the MP3 files to add to the playlist and click [OK].



Delete a playlist

Select a playlist from the playlist drop down box. Click [Delete] in the *Play lists* area.

Add a song to an existing playlist
to add a song to a playlist, select the playlist from the playlist drop down box in the *Play lists* area. Click [Add] in the *Songs* area. Select the MP3 files to add to the playlist and click [OK].

Delete a song from a playlist
Select the song to delete. Click [Delete] in the *Songs* area.

Playlist functions can also be controlled by voice from the main screen:

Playlist Commands	
Load playlist [FileName]	Loads a playlist. You don't have to say the file extension (.asx)
Open playlist [FileName]	
Playlist name	Reads the current playlist
Show playlist	Opens playlist options

See these topics for more information:

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Turning the Screen On or Off

Turning off the screen will extend the battery life considerably (BCL VoiceMP3 can still be controlled by voice). Click [**Tools > Turn Off Screen**] from the menu to turn the screen off. To turn it back on, simply press one of the buttons on your PDA. Alternatively, you can use these voice commands:

Screen On/Off	
Screen Off, Turn Off Screen	Turns the screen off
Screen On, Turn On Screen	Turns the screen on

MP3 playback can also be controlled from the center button of your PDA.

Center button controls:

- Next: Center button right
- Previous: Center button left
- Volume Up: Center button up
- Volume Down: Center button down

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Switching to Another Application

BCL VoiceMP3 can play MP3s while other applications are running. To switch to another application, click the [**Start Menu**] and select any other program. When **BCL VoiceMP3** is running in the background, its voice recognition capabilities are temporarily disabled.

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Voice Command Demonstration

To view the demonstration, Click [**Tools > Voice Command List...**] from the menu.

You must have at least one song in the current playlist.



Click on the command buttons to see how the the player responds to voice commands. To view all the commands, click the "More Commands..." button.

See these topics for more information:

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Using the Marker



The Marker feature is unique to this voice enabled MP3 player. It lets you browse the songs in the playlist without interrupting the currently playing song. You can move the marker up and down playlist, one-song-at-a-time, by saying "Next Song" or "Previous Song." The marked song name will be read to you and it will appear at the bottom of the screen. To play the marked song, say "Play Song." To remove the marker, say "Cancel." If no action is taken, the marked song will be ignored and removed after the current playing song ends.

The Browse feature allows you to review all of the songs on a playlist. Simply say

"Browse songs," and VoiceMP3 will read all of the song titles out loud one by one until you say "Stop" or "Play."

Marker Voice Commands	
Browse Songs Browse Files	All the song names in the current playlist will be read out loud one by one. You can say "Stop" or "Play" in between song names. If you say "Stop," the song will be marked, but not played. To play the marked song, simply say "Play song"
Next File Next Song Next Song Name	Marks the next song
Previous File Previous Song Previous Song Name	Marks the previous song
Play Play Song	Plays the marked song
Marker Marker Name	Reads the marked-song's name
Cancel	Removes the Marker

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Options

Several options are available by clicking [Tools > Options...] from the menu:



Recognition

- **Click & Hold to Talk**
This option sets the speech input method to "Click and Hold." [This is the default setting] When this option is selected, use the method described [here](#) to control VoiceMP3.
- **Click & Release**
This option sets the speech input method to "Click and Release." When this option is selected, you do not have to hold the record button down while giving a voice command. Instead, VoiceMP3 will listen for a specified amount of time as soon as the record button is released.
- **Listen for**
This option controls the amount of time VoiceMP3 will listen after the record button is released. This option is only available when "Click & Release" is selected. The default setting is [2 seconds].

Speech

- **If the command isn't recognized, say**
Enter anything into this textbox and VoiceMP3 will speak it if it can not recognize a command. You can experiment with this text to make your PocketPC say whatever you want it to!
- **Test**
Click Test to repeat the text in the "say" box.
- **Voice Type**
This option allows you to control the voice type, for example, a grandpa's voice or a child's voice, etc.

- **Confirm Speech Commands**
Selecting this option will cause VoiceMP3 to repeat all of the commands it recognizes before executing.

Advanced Text Pronunciation feature

You can change the way VoiceMP3 pronounces the text in the **"If the command isn't recognized, say"** text box. Inserting annotations into the text will modify the way the text is spoken.

For example, "``v2 `vs5 Hello `ad There, `v2 `vs90 How Are You?`"

Translates to: "(female voice) (speak slowly) Hello (downstepped tone) There, (speak faster) (child's voice) How Are You?"

Note: The voice annotation stays in effect until you enter a new voice annotation.

Note: The [`] symbol is the "back-quote," typically found to the left of the [1] key on a standard keyboard. On the PocketPC keyboard, it is typically found to the left of the [\] key (left of the space bar).

Table of Annotations	
<code>`v1</code>	Set voice to the adult male voice. (Reed's voice).
<code>`v2</code>	Set voice to the adult female voice. (Shelley's voice).
<code>`v3</code>	Set voice the child voice. (Sandy's voice).
<code>`v4</code>	Set voice to the second adult male voice.
<code>`v5</code>	Set voice to the third adult male voice.
<code>`v6</code>	Set voice to the second adult female voice.
<code>`v7</code>	Set voice the elderly female voice.
<code>`v8</code>	Set voice to the elderly male voice.
<code>`vbN</code>	Set pitch baseline (overall voice pitch) to N. Annotation range is 0 (man's voice) to 100 (child's voice).
<code>`vf0</code>	Set voice to a monotone.

<code>`vfN</code>	Set pitch fluctuation to N. Annotation range is 0 (narrow=monotonic) to 100 (wide).
<code>`vgN</code>	Set vocal tract configuration to male or female. Values are 0=male, 1=female.
<code>`vhN</code>	Set head size (also controls deepness of voice) to N. Annotation range is 0 (tiny) to 100 (huge).
<code>`vrN</code>	Set voice roughness (creakiness) to N. Annotation range is 0 (smooth) to 100 (rough).
<code>`vsN</code>	Set speed of the utterance (words spoken per minute) to N. Annotation range is 0 (70 wpm) to 250 (1297 wpm).
<code>`vvN</code>	Set speech volume to N. Annotation range is 0 (quietest)-100 (loudest).
<code>`vy100</code>	Set voice to a whisper.
<code>`vyN</code>	Set breathiness to N. Annotation range is 0 (not breathy) to 100 (a whisper).
<code>`%</code>	Small pitch rise at the end of the phrase.
<code>`%%%</code>	Continuation rise at the end of the phrase and low pitch on the nuclear accented word of the phrase.
<code>`%%%</code>	Flat, high pitch at the end of the phrase.
<code>`0</code>	No emphasis.
<code>`00</code>	Reduced emphasis.
<code>`1</code>	Normal emphasis.
<code>`2</code>	Added emphasis.
<code>`3</code>	Heavy emphasis.
<code>`4</code>	Very heavy emphasis.
<code>`ad</code>	Downstepped tone.
<code>`ah</code>	High tone (this is the default for content words).
<code>`al</code>	Low tone.
<code>`ar</code>	Rising tone.
<code>`as</code>	Scooped tone.
<code>`pN</code>	Creates a pause N milliseconds long.
<code>`ts0</code>	No special interpretation (default setting).
<code>`ts1</code>	Pronounce only alphanumeric characters by name.
<code>`ts2</code>	Pronounce all characters individually by name.
<code>`ts3</code>	Pronounce alphabet characters according to the International Radio Alphabet.
<code>`ty0</code>	Pronounce 4-digit numbers as "nonyears."
<code>`ty1</code>	Pronounce 4-digit numbers as "years" (default setting).

See these topics for more information:

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