

AudioPlus™ for the Palm OS

Version 1.1

Users Guide





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1 Introduction



AudioPlus is a digital audio player designed for Palm OS based devices. It works on any Palm OS device with OS version 3.0 or above.

Major features of AudioPlus:

- High quality sound output on devices with enhanced sound generation hardware (TRG Pro, HandEra 330, Kyocera SmartPhone 6035, Sony Clie, Samsung SPH-I300, etc.).
- Advanced audio compression algorithm reduces audio data size to as low as 2.5 KB/S, or about 500 KB per song. Multiple compression ratios are available.
- Voice Activity Detection to further reduce audio data size for speech files.
- VFS file manager support allows you to play audio files stored on external memory cards.
- Simple and easy to use User Interface.
- Play List showing all audio files and their sizes.
- Display song title, description, sampling rate, bit rate, total play time and current play time.
- Play, Stop, Pause, Fast Forward, Fast Reverse, Skip to Last, Skip to Next.
- Mute button and Volume Control slider bar.
- Bass enhancement.
- Delete and Beam audio databases.

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Please note that due to the limitations of the sound generation hardware on some Palm device models, good sound quality may not be achievable on these devices. Sound quality is usually better at lower volume on these devices.

AudioPlus is shareware and the play time of the unregistered version is limited to 60 seconds for each Audio file. You can purchase a registration code for AudioPlus at our web site at www.smartcell.com. The program becomes full functional once you register it with the correct registration code. The price for AudioPlus is \$14.95 per copy.

2 Installation

Follow the steps below to install AudioPlus:

- Create a new folder and unzip all files in the ZIP file containing AudioPlus to this folder.
- Double tap on AudioPlus.prc or use your Palm Desktop Install Tool to install AudioPlus.prc.
- Install any AudioPlus databases (PDB files) you want by using the Palm Desktop Install Tool. Two sample AudioPlus databases are included in the ZIP file (I_Have_A_Dream.pdb and All_You_Wanted.pdb). You can use the free Desktop Converter program to convert a mono or stereo WAVE file into AudioPlus database format and then install the PDB file to your Palm OS device.

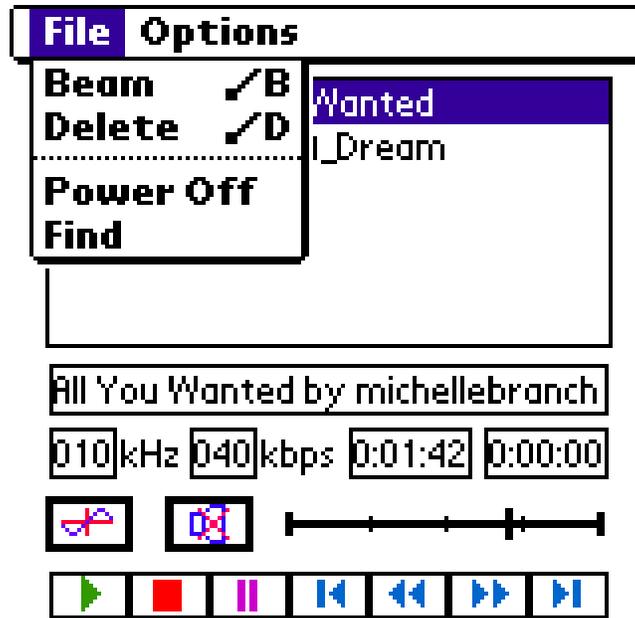
3 User Interface

3.1 AudioPlus Main Window



In the AudioPlus main window a list of all installed audio files is shown. The list includes all AudioPlus databases in internal memory, as well as all AudioPlus databases installed on external memory cards. When you select an audio file from the list, its title, sampling frequency, bit rate and total play time are displayed. To play the audio file, simply tap on the green 'Play' button. You can use the red 'Stop' button to stop the audio or use the purple 'Pause' button to pause the audio. During audio playback you can use the 'Fast Forward' and the 'Fast Reverse' buttons to skip portions of the audio file. The Volume Slider Bar provides an easy way to control audio volume. The two buttons to the left of the Volume Slider Bar allows you to turn on/off the 'Bass Boost' options and to mute/unmute the audio.

3.2 File Menu



The File menu allows you to beam an audio file and delete an audio file. To open the File menu, double tap on the title bar and tap on 'File'.

3.2.1 Beam Audio Database



To beam an AudioPlus database, first select it from the list, then open the File menu and select Beam. You will be asked to confirm whether you want to proceed. If you wish to continue, tap on 'Yes' and the beaming will start.

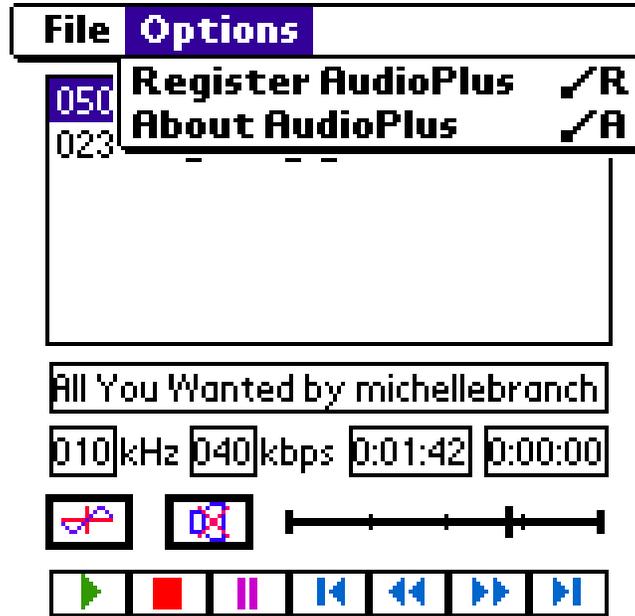
Please note that before a database on an external memory card is beamed, it is first copied to internal memory. Please make sure that you have enough free space in internal memory before beam a database on an external memory card.

3.2.2 Delete Audio Database



To delete an AudioPlus database, first select it from the list, then open the File menu and select Delete. You will be asked to confirm whether you want to proceed. If you wish to continue, tap on 'Yes' and the AudioPlus database will be removed from your device.

3.3 Options Menu



The Options menu allows you to register AudioPlus and to show version and copyright information about AudioPlus. To open the Options menu, double tap on the title bar and tap on 'Options'.

3.3.1 Register AudioPlus

Register AudioPlus

Current License Type:

None

HotSync Username:

John Smith

Registration Code: (9 digits)

123456789.....

OK

Cancel

This option brings up the Register AudioPlus dialog. The Register AudioPlus dialog shows the current license type, the HotSync user name, and the 9-digit Registration Code. To register, enter you 9-digit registration code and tap on OK. If the code is correct, a confirmation message will be shown and your copy of software is then fully functional. Please note that the registration code would not work if the HotSync Username you provide us when you place the order does not match the HotSync Username shown in this window.

3.3.2 About AudioPlus

About AudioPlus

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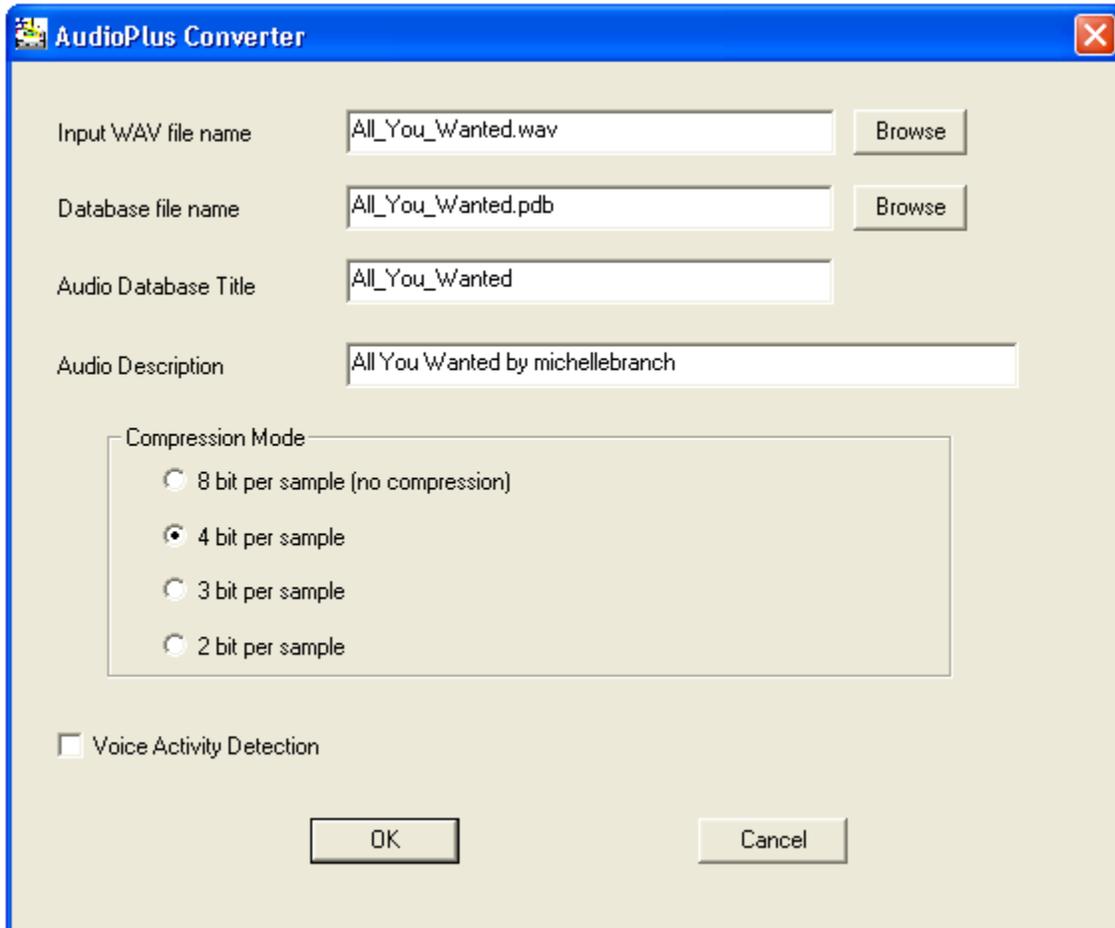
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OK

This option brings up the About AudioPlus dialog. The About AudioPlus dialog shows the copyright and version information of the AudioPlus application.

4 AudioPlus Desktop Converter



The AudioPlus Desktop Converter is a Windows 95/98/2000/NT/XP application that converts any mono or stereo WAVE files to AudioPlus database format (*.pdb).

Follow the steps below to use the desktop converter:

- Start the converter program by double tapping on the AudioPlus Converter.exe file.
- Select the WAVE file you want to convert. Only mono and stereo WAVE files are supported.
- Select the name of the output audio database file.
- Set the title of the audio database. The title should not contain more than 30 characters. Please use only letters, numbers and underscores in the title string.
- Enter a description of the audio database. The description should not contain more than 64 characters. The actual number of characters that can be displayed on your Palm device could be less.

- Set compression mode. Four different compression ratios are available. More bits per sample gives better sound quality, however it also leads to larger database files. 2 bit per sample usually is not recommended for music files.
- Check the Voice Activity Detection option if you are encoding a speech file and there are significant portions of silence in the file. This option is not recommended for music files.

Please note that the conversion process may take a few minutes on large audio files. Please be patient while it is running.

To convert a MP3 file to AudioPlus database format, you need to use a shareware program such as GoldWave to convert the MP3 file to WAVE format, and then convert the WAVE file to AudioPlus database format using the AudioPlus Converter.

5 How to Contact Us

Web Site

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Questions about Your Order

Send email to sales@smartcell.com.

Technical Support

Send email to support@smartcell.com.

Comments, Suggestions, and Bug Report

Send email to feedback@smartcell.com.

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