

AudioPlusTM for the Palm OS

Version 1.1

Users Guide



Table of Contents

1	INTRODUCTION	3
2	INSTALLATION	5
3	USER INTERFACE	6
3.1	AudioPlus Main Window	6
3.2	File Menu	7
3.2.1	Beam Audio Database.....	8
3.2.2	Delete Audio Database	9
3.3	Options Menu	10
3.3.1	Register AudioPlus	11
3.3.2	About AudioPlus.....	12
4	AUDIOPLUS DESKTOP CONVERTER.....	13
5	HOW TO CONTACT US	15

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.

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.

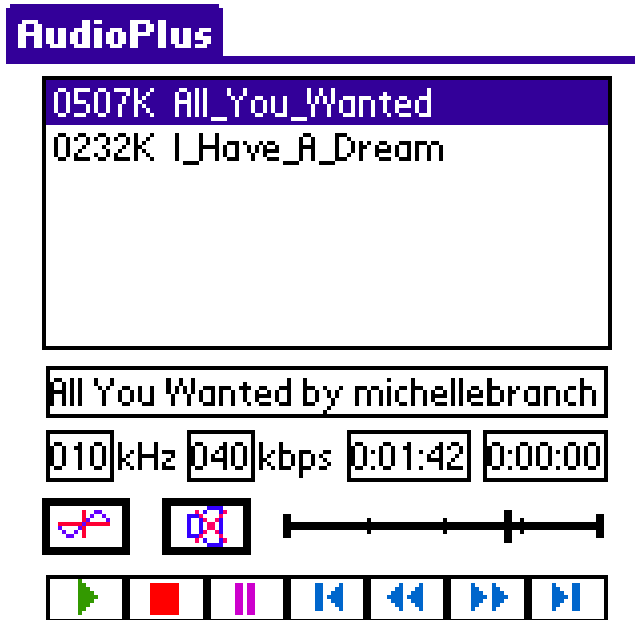
2 Installation

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.

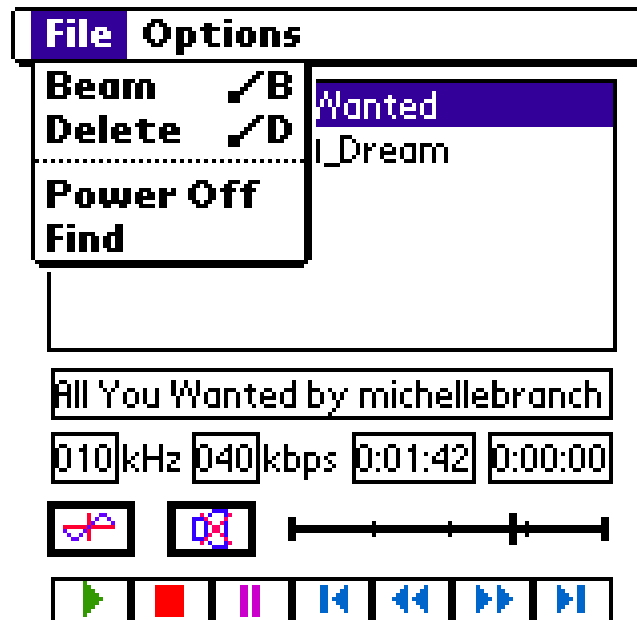
3 User Interface

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.

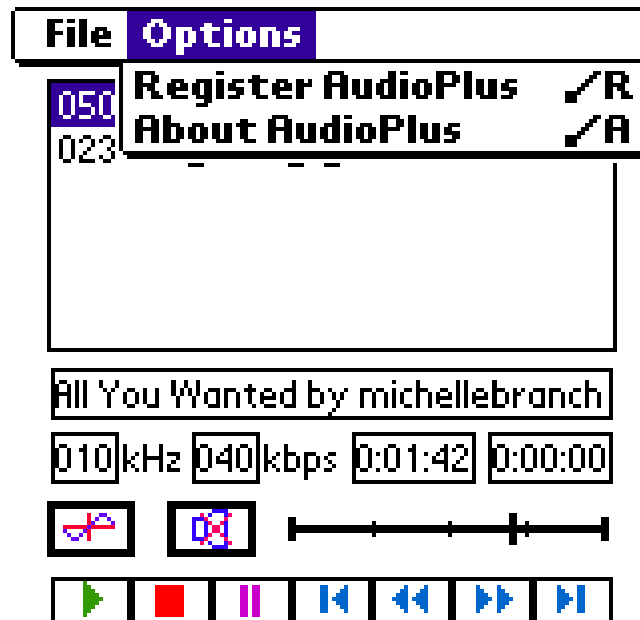
Please note that before a database on an external memory card is beamed, it is first copied to internal memory. Please make sure that you have enough free space in internal memory before beam a database on an external memory card.

3.2.2 Delete Audio Database



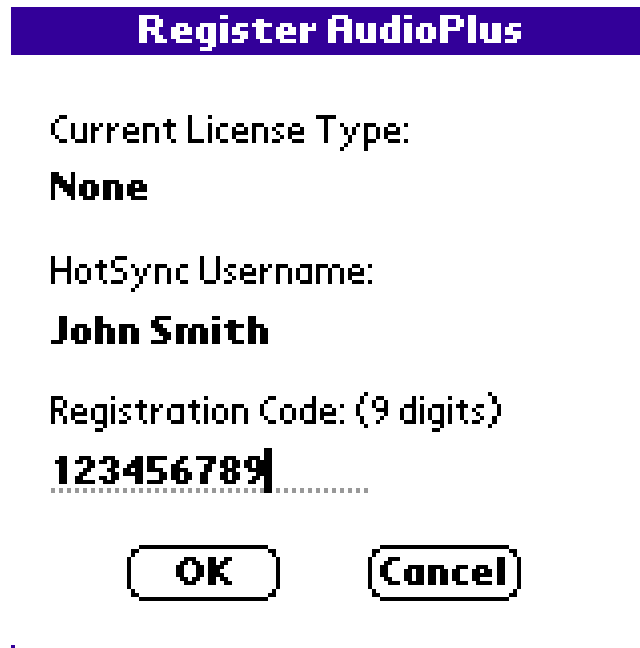
To delete an AudioPlus database, first select it from the list, then open the File menu and select Delete. You will be asked to confirm whether you want to proceed. If you wish to continue, tap on 'Yes' and the AudioPlus database will be removed from your device.

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

A screenshot of the "Register AudioPlus" dialog box. The title bar is purple with the text "Register AudioPlus" in white. The dialog contains three labels with corresponding text fields: "Current License Type:" with the value "None", "HotSync Username:" with the value "John Smith", and "Registration Code: (9 digits)" with the value "123456789". At the bottom, there are two buttons: "OK" and "Cancel".

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

AudioPlus™ for Palm OS

Version 1.1

Copyright © 2002

SmartCell Technology, LLC

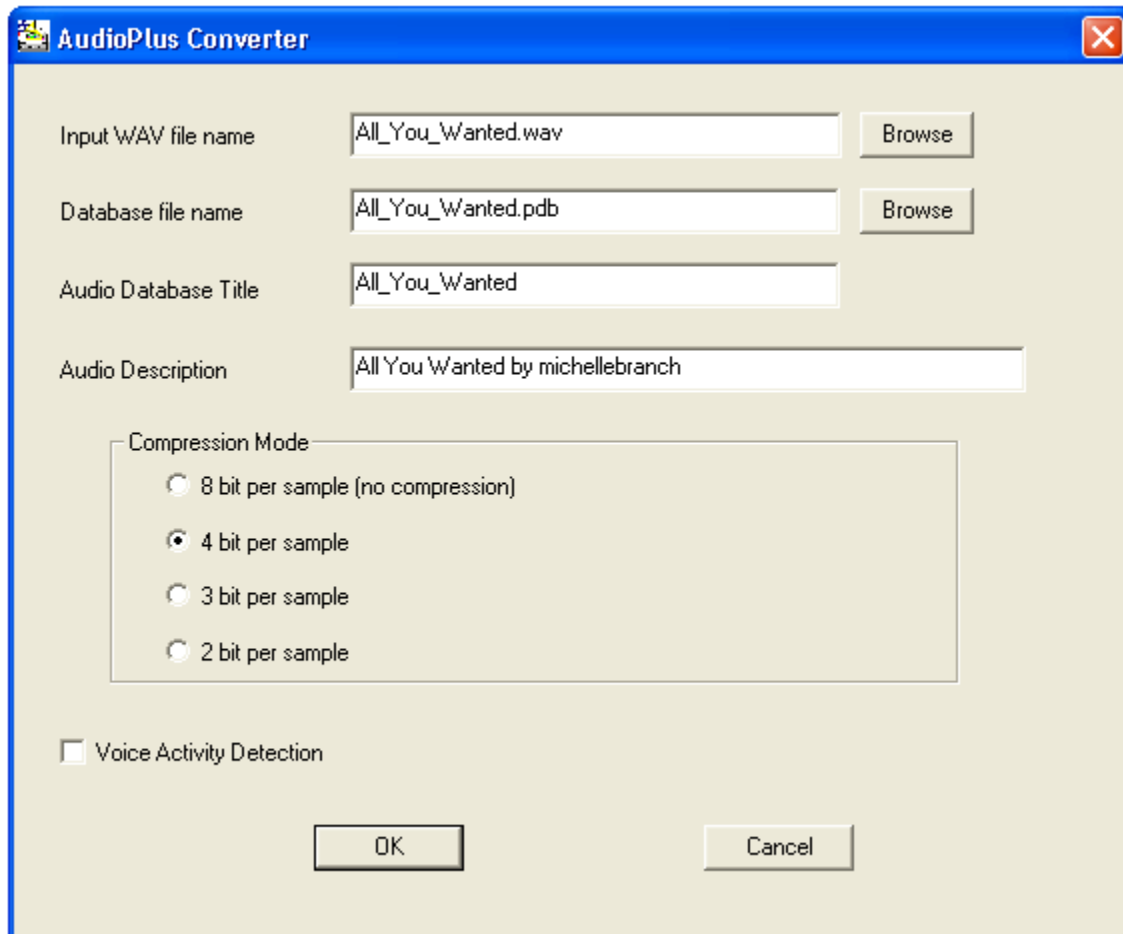
All rights reserved.

www.smartcell.com

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

Visit our web site at <http://www.smartcell.com> for general information and software upgrades.

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.

Mailing Address

SmartCell Technology, LLC
45 Southern Hills Dr.
Aliso Viejo, CA 92656
USA
FAX: (949)305-4657

Appendix A - SmartCell Technology LLC Software License Agreement

By installing this software you accept all the terms and conditions of the following agreement.

This SmartCell Technology, LLC Software License Agreement accompanies the AudioPlus(TM) (version 1.1) software product and related explanatory materials ("Software"). The term "Software" also shall include any upgrades, modified versions or updates of the Software licensed to you by SmartCell Technology, LLC.

1. USE OF THE SOFTWARE

- You may use the Software in connection with a single computer system and for the number of users and purpose specified by SmartCell Technology, LLC. You may distribute the Software in the format as received from SmartCell Technology, LLC provided that no modifications are made to the Software.
- You may not distribute the License Information in any form, any copy, or any part of it to anyone else; you may not permit the use of the Software or License Information by more than the specified number of users; you may not sell, loan, rent, assign, lease or sub-license the Software or License Information or any copy or any part of it to anyone else; you may not modify, adapt, translate, reverse engineer, decompile, disassemble or otherwise attempt to discover the source code of the Software; you may not remove any copyright notice, trade mark, legend, logo or product identification of the Software or License Information.

2. COPYRIGHT AND TRADEMARK RIGHTS

The Software is owned by SmartCell Technology, LLC and its suppliers, and its structure, organization and code are the valuable trade secrets of SmartCell Technology, LLC and its suppliers. The Software also is protected by United States Copyright Law and International Treaty provisions. You may use trademarks only insofar as required to comply with Section 1 of this Agreement, in accordance with accepted trademark practice, including identification of trademark owner's name. Such use of any trademark does not give you any rights of ownership in that trademark. Except as stated above, this Agreement does not grant you any intellectual property rights in the Software.

3. UPGRADE

Upgrades of the software will be made available to you without charge by SmartCell Technology, LLC within the first twelve months after you purchase the software. Free upgrades are not available after this twelve months maintenance period.

Requests to change any registration information such as Palm HotSync Username and registration code are subjected to review by SmartCell Technology, LLC. New registration information would be given only if there is proof that errors have been made in the purchase process. SmartCell Technology, LLC reserves the right to reject such requests if no proof is given. No changes can be made to the registration information after the twelve months maintenance period.

4. LIABILITY

SMARTCELL TECHNOLOGY, LLC AND ITS SOFTWARE SUPPLIERS, DISTRIBUTORS AND DEALERS MAKE NO REPRESENTATIONS OR WARRANTIES WHETHER EXPRESS OR IMPLIED (BY STATUTE OR OTHERWISE) RELATING TO THE PERFORMANCE, QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE SOFTWARE OR OTHERWISE AND ALL SUCH REPRESENTATIONS AND WARRANTIES ARE HEREBY SPECIFICALLY DISCLAIMED AND EXCLUDED.

YOU ALONE ARE ABLE TO DETERMINE WHETHER THE SOFTWARE WILL MEET YOUR REQUIREMENTS AND THE ENTIRE RISK AS TO ITS PERFORMANCE IS WITH YOU AND, SHOULD THE SOFTWARE PROVE DEFECTIVE, YOU ALONE MUST ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION AND ANY INCIDENTAL OR CONSEQUENTIAL EXPENSES. IN NO EVENT WILL SMARTCELL TECHNOLOGY, LLC, ITS SOFTWARE SUPPLIERS OR DISTRIBUTORS BE LIABLE FOR (1) DIRECT, (2) INDIRECT, (3) SPECIAL, (4) INCIDENTAL OR (5) CONSEQUENTIAL DAMAGES (INCLUDING LOSS OF PROFITS OR BUSINESS) RESULTING FROM ANY DEFECT AND OR/USE OF THE SOFTWARE, EVEN IF SMARTCELL TECHNOLOGY, LLC HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE, WHETHER DUE TO SMARTCELL TECHNOLOGY, LLC'S NEGLIGENCE, BREACH OF CONTRACT, MISREPRESENTATION OR OTHERWISE.

NOTWITHSTANDING THE ABOVE, IF THERE SHOULD ARISE ANY LIABILITY ON THE PART OF SMARTCELL TECHNOLOGY, LLC BY REASON OF THE LICENSING OR USE OF THE SOFTWARE OR OTHERWISE, WHETHER DUE TO SMARTCELL TECHNOLOGY, LLC'S NEGLIGENCE, BREACH OF CONTRACT, MISREPRESENTATION OR OTHERWISE SUCH LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE PRICE PAID BY YOU FOR THE LICENSE TO USE THE SOFTWARE OR AT THE ELECTION OF SMARTCELL TECHNOLOGY, LLC THE COST OF REPAIR OR REPLACEMENT OF THE DEFECTIVE SOFTWARE BY SMARTCELL TECHNOLOGY, LLC.

YOU SHALL INDEMNIFY SMARTCELL TECHNOLOGY, LLC AGAINST ALL CLAIMS BY THIRD PARTIES (OTHER THAN CLAIMS ALLEGING BREACH BY THE SOFTWARE, AS SUPPLIED, OF A THIRD PARTY'S COPYRIGHT, PATENT OR OTHER INTELLECTUAL PROPERTY RIGHTS) ARISING FROM THE POSSESSION OR USE OF THE SOFTWARE BY YOU OR ANYONE USING IT WITH YOUR CONSENT.

Some states or jurisdictions do not allow the exclusion or limitation of incidental, consequential or special damages, or the exclusion of implied warranties or limitations on how long an implied warranty may last, so the above limitations may not apply to you.

5. GOVERNING LAW AND GENERAL PROVISIONS

This Agreement will be governed by the laws of the State of California, U.S.A., excluding the application of its conflicts of law rules. This Agreement will not be governed by the United Nations Convention on Contracts for the International Sale of Goods, the application of which is expressly excluded. If any part of this Agreement is found void and unenforceable, it will not affect the validity of the balance of the Agreement, which shall remain valid and enforceable according to its terms. You agree that the Software will not be shipped, transferred or exported into any country or used in any manner prohibited by the United States Export Administration Act or any other export laws, restrictions or regulations. This Agreement shall automatically terminate upon failure by you to comply with its terms. This Agreement may only be modified in writing signed by an authorized officer of SmartCell Technology, LLC.

6. NOTICE TO GOVERNMENT END USERS

The Software and Documentation are "Commercial Items," as that term is defined at 48 C.F.R. .101, consisting of "Commercial Computer Software" and "Commercial Computer Software Documentation," as such terms are used in 48 C.F.R. 2.212 or 48 C.F.R. 27.7202, as applicable. Consistent with 48 C.F.R. 2.212 or 48 C.F.R. 27.7202-1 through 27.7202-4, as applicable, the Commercial Computer Software and Commercial Computer Software Documentation are being licensed to U.S. Government end users (A) only as Commercial Items and (B) with only those rights as are granted to all other end users pursuant to the terms and conditions herein.

Copyright (c) 2002, SmartCell Technology, LLC
All rights reserved.