



SINGAPORE SHINEI SANGYO PTE. LTD

PortéSon User Manual

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PortéSon User Manual

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Table of Contents

Introduction	1
Components and Set Up	2
Loading songs	19
Getting Started With The PortéSon	20
PortéSon Controls	21
Using The PortéSon	22
Warranty Information	35
Contact Us	38
FCC Regulatory Information	39
Appendix A – Formatting Internal Memory and SD Cards	40
Appendix B – Important Notes	41
Appendix C – Notes on audio compression standards	42

INTRODUCTION

Congratulations on your purchase of the PortéSon, portable digital audio player for the Palm™ m10X handhelds. PortéSon is not just an ordinary MP3 player. It revolutionizes the Palm™ Platform by offering unprecedented access to multimedia power and storage capacity. The PortéSon uses this power to store and play over an hour of high fidelity, near-CD quality digital audio files.

The PortéSon connects easily to your PC via a Universal Serial Bus (USB) cable. You can transfer audio files to the PortéSon using Liquid Audio Desktop Player bundled with it.

Before you can enjoy the PortéSon, let's walk through some set up guides to get the device up and playing.

COMPONENTS AND SET UP

The package includes the following items:

- 2 AAA batteries
- USB cable
- CD Rom which contains USB drivers for Windows 98 Second Edition, Liquid Audio Desktop Player for transferring digital audio files to the PortéSon, and Digital Signaling Processor (DSP) software
- User Manual
- Headphones

Install batteries

Remove the battery cover from the PortéSon by pulling its latch.

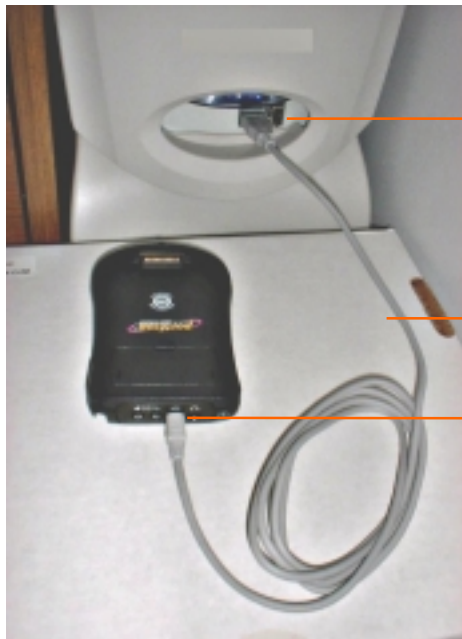
Install 2 AAA alkaline batteries into the battery component.

Insert the battery cover back in place and close.



COMPONENTS AND SET UP

Important: The screen shots below capture the connection between PortéSon's USB port and your PC's USB port (in the front or in the back) via USB cable.



PC's USB Port
in the Front

USB cable

Connect USB
port on the
PortéSon to USB
port on the PC
via USB Cable



PC's USB port
in the back

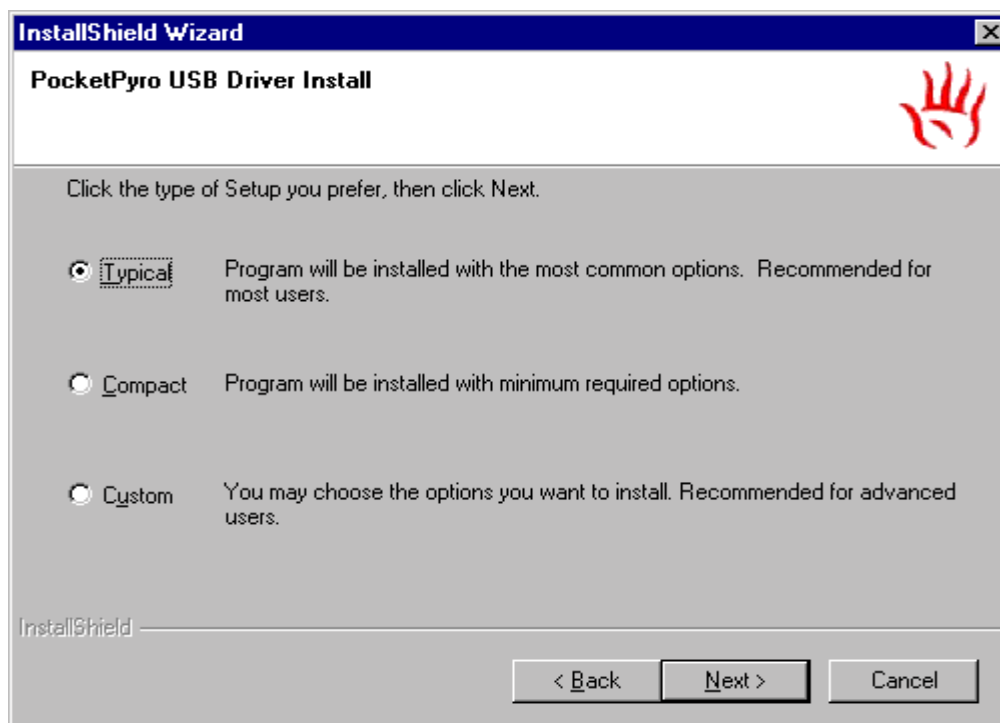
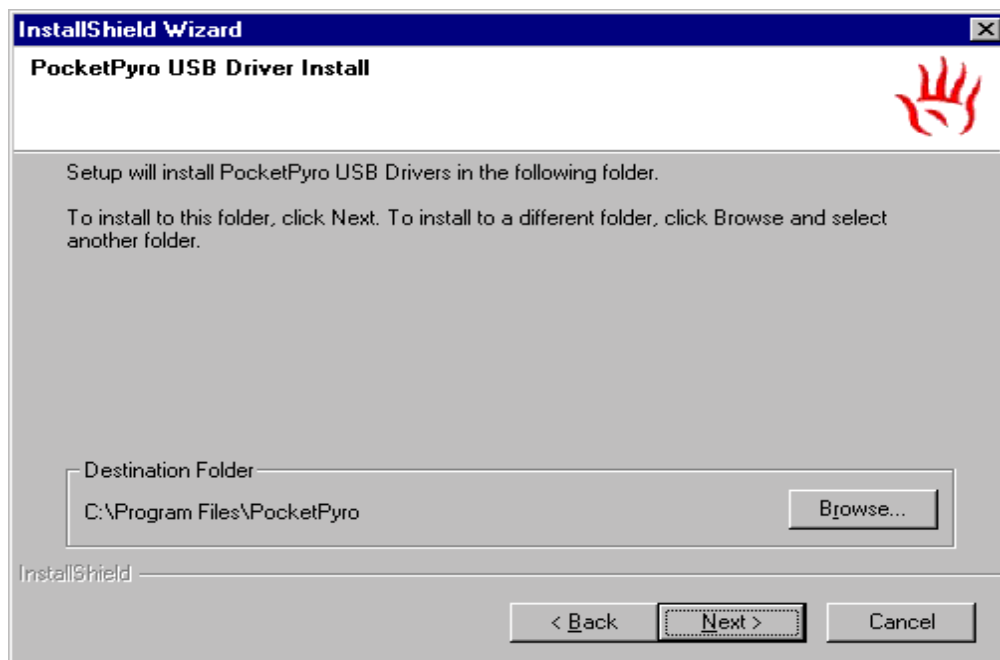
COMPONENTS AND SET UP

Install Liquid Audio Desktop Software & Dragon Thunder USB Drivers

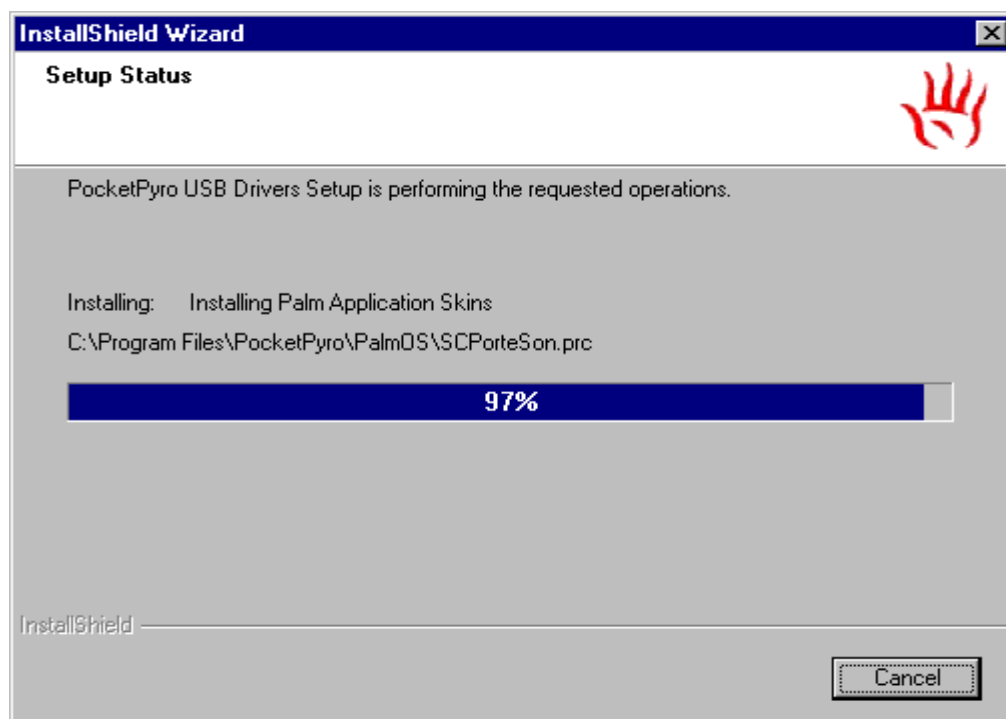
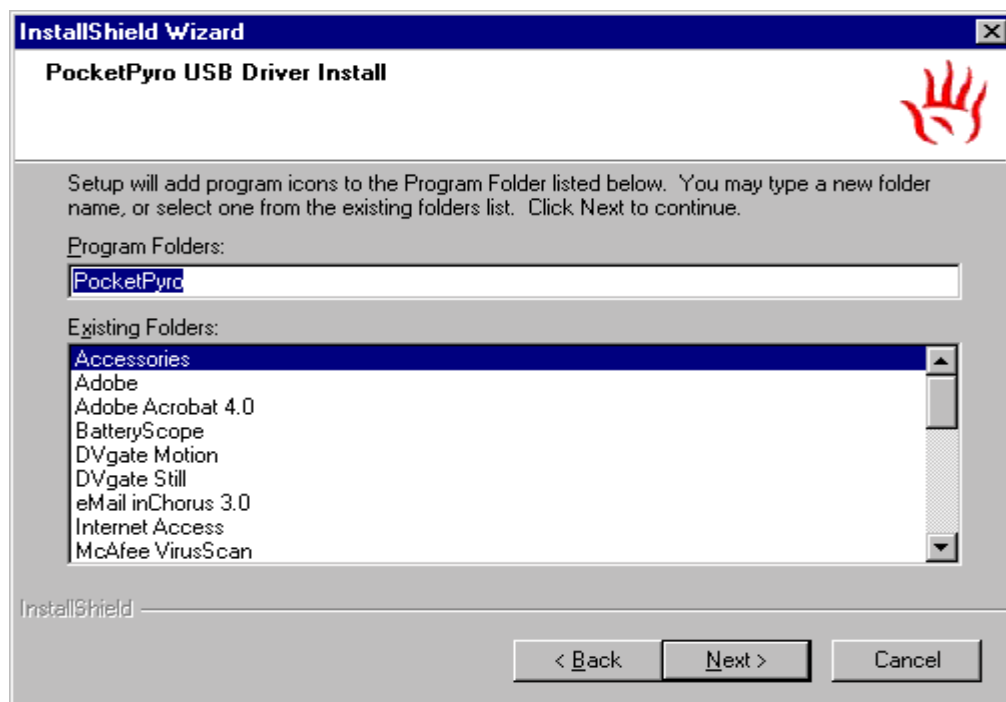
Insert CD Rom into your CD drive, run setup program, and follow the instructions on screen.



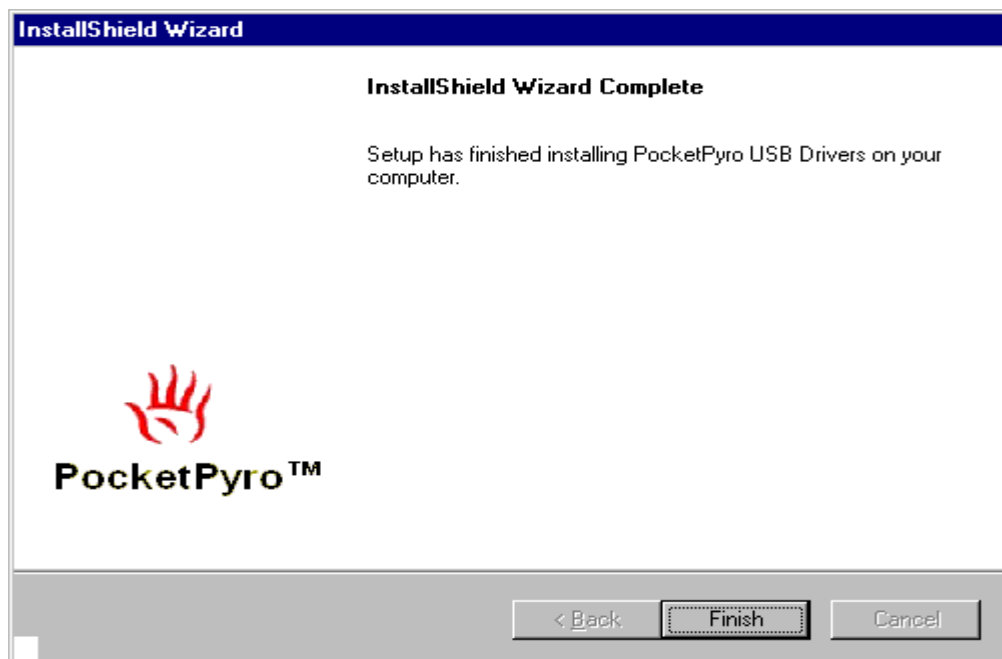
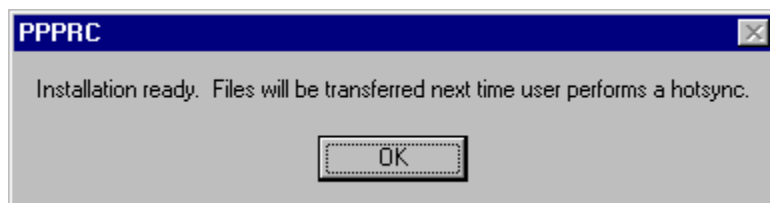
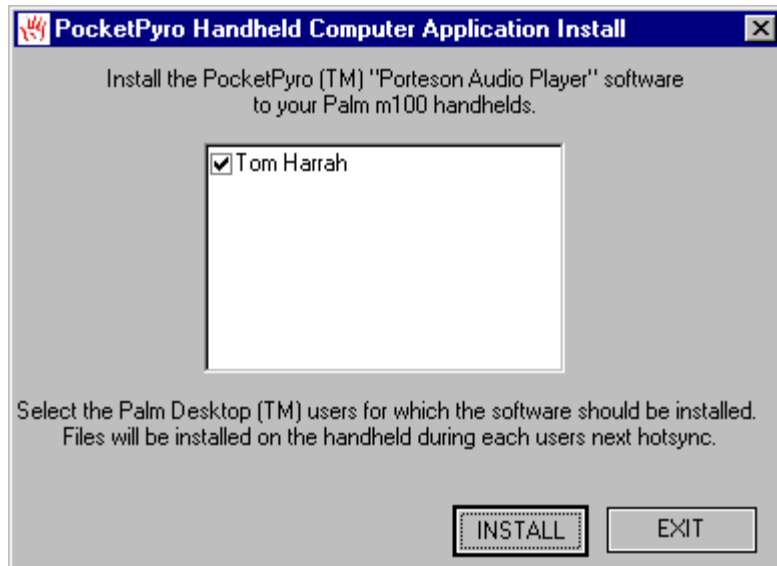
COMPONENTS AND SET UP



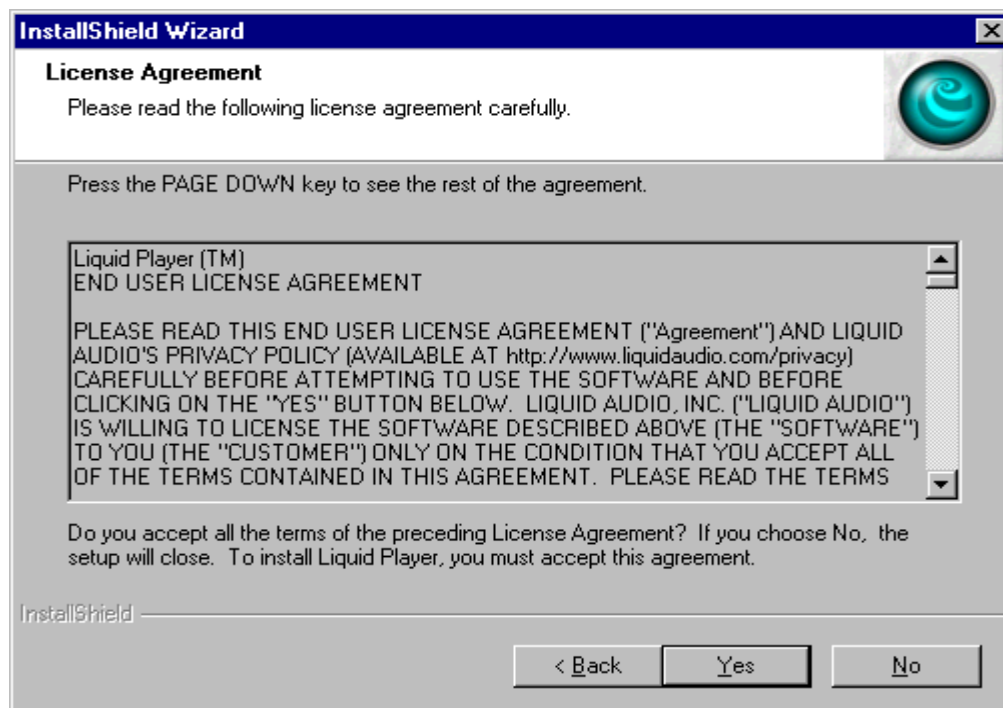
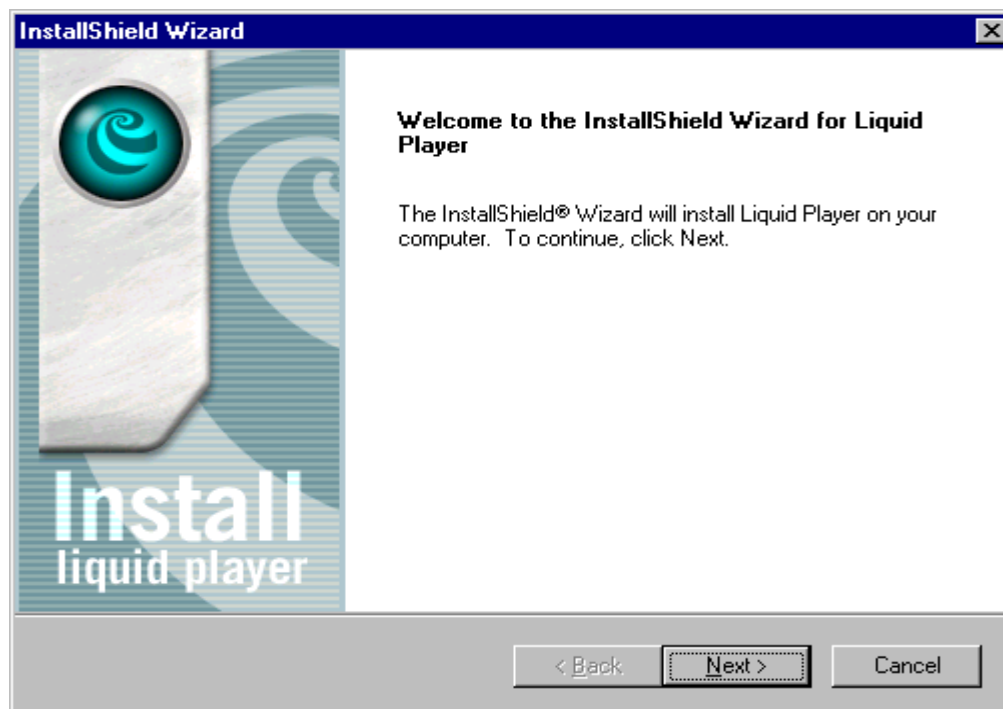
COMPONENTS AND SET UP



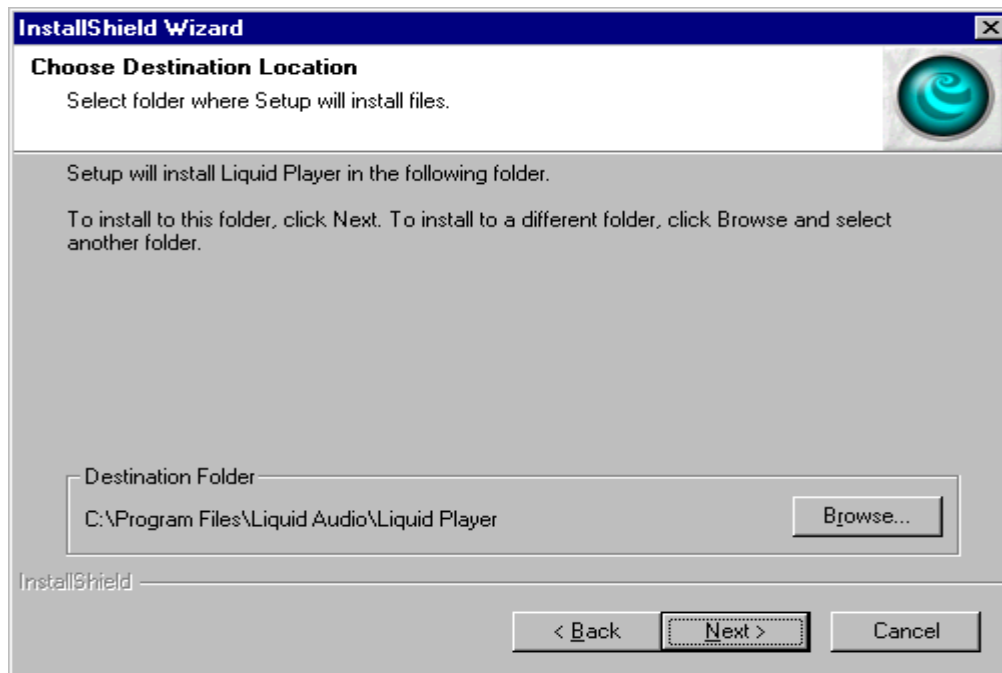
COMPONENTS AND SET UP



COMPONENTS AND SET UP



COMPONENTS AND SET UP



After you restart your computer, continue with the set up guide for Liquid Player. When you finish with Liquid Player Installation, make sure you exit this program, and continue with the next step.

Important: You can access Liquid Player's online Help section to learn more about this program.

COMPONENTS AND SET UP

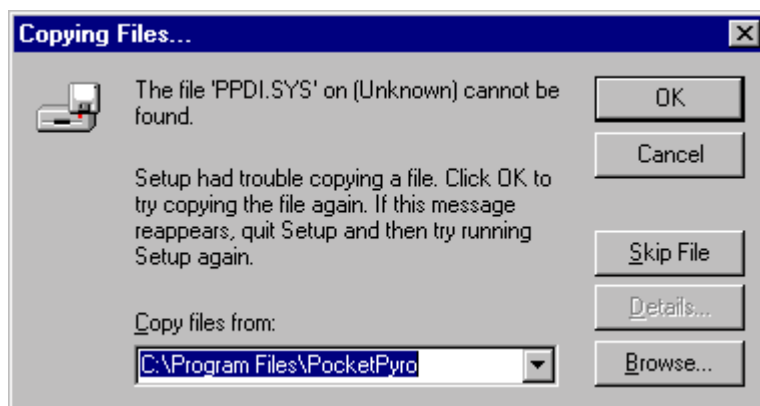
Important: Now plug the USB cable from the PortéSon into your computer (as illustrated in previous screen shots)



COMPONENTS AND SET UP



COMPONENTS AND SET UP



Important: Click OK to proceed.

COMPONENTS AND SET UP



COMPONENTS AND SET UP



COMPONENTS AND SET UP



COMPONENTS AND SET UP



COMPONENTS AND SET UP



COMPONENTS AND SET UP

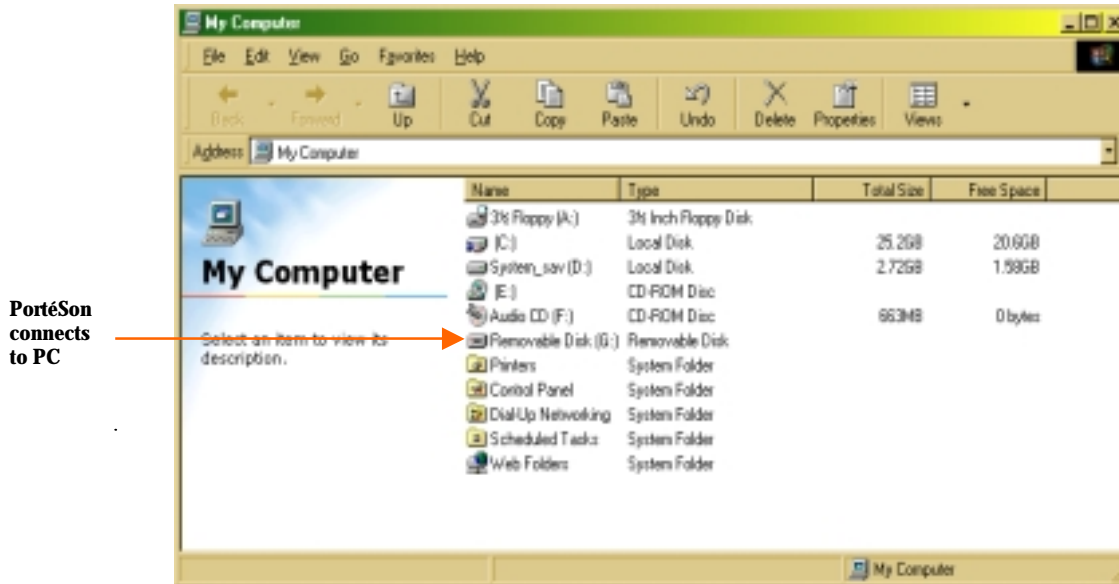


LOADING SONGS

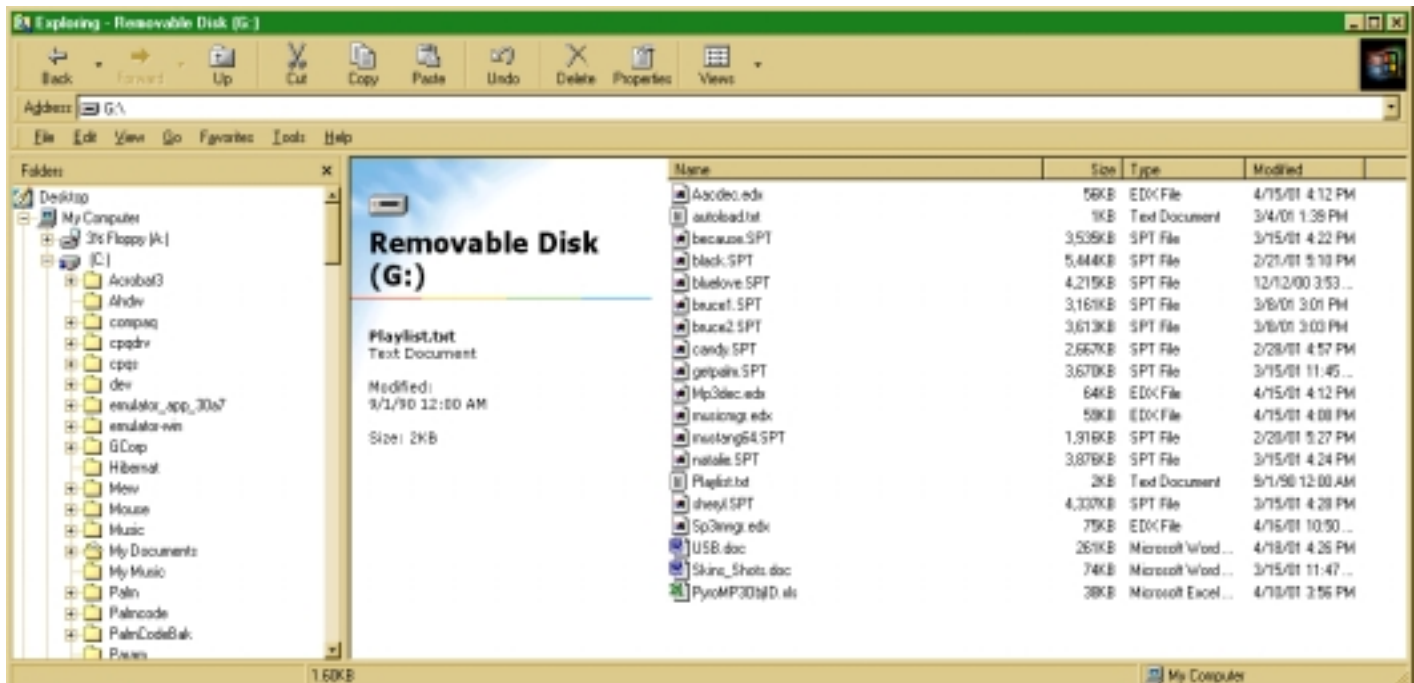
Turn on the PortéSon, and connect it to your PC using USB cable. For the first time, you are ready to transfer song from your PC to the PortéSon using the Liquid Audio Desktop Player.

Important: If the PortéSon is playing song, and connects to PC's USB port, it will stop playing song, and enter a mode ready for loading new songs. When it disconnects from the USB port, PortéSon will play song again.

The PC recognizes PortéSon as a removable drive designated by a drive letter, for example, G:



PortéSon can be used as mass storage for data such as Word documents, Excel files ...



GETTING STARTED WITH THE PORTÉSON

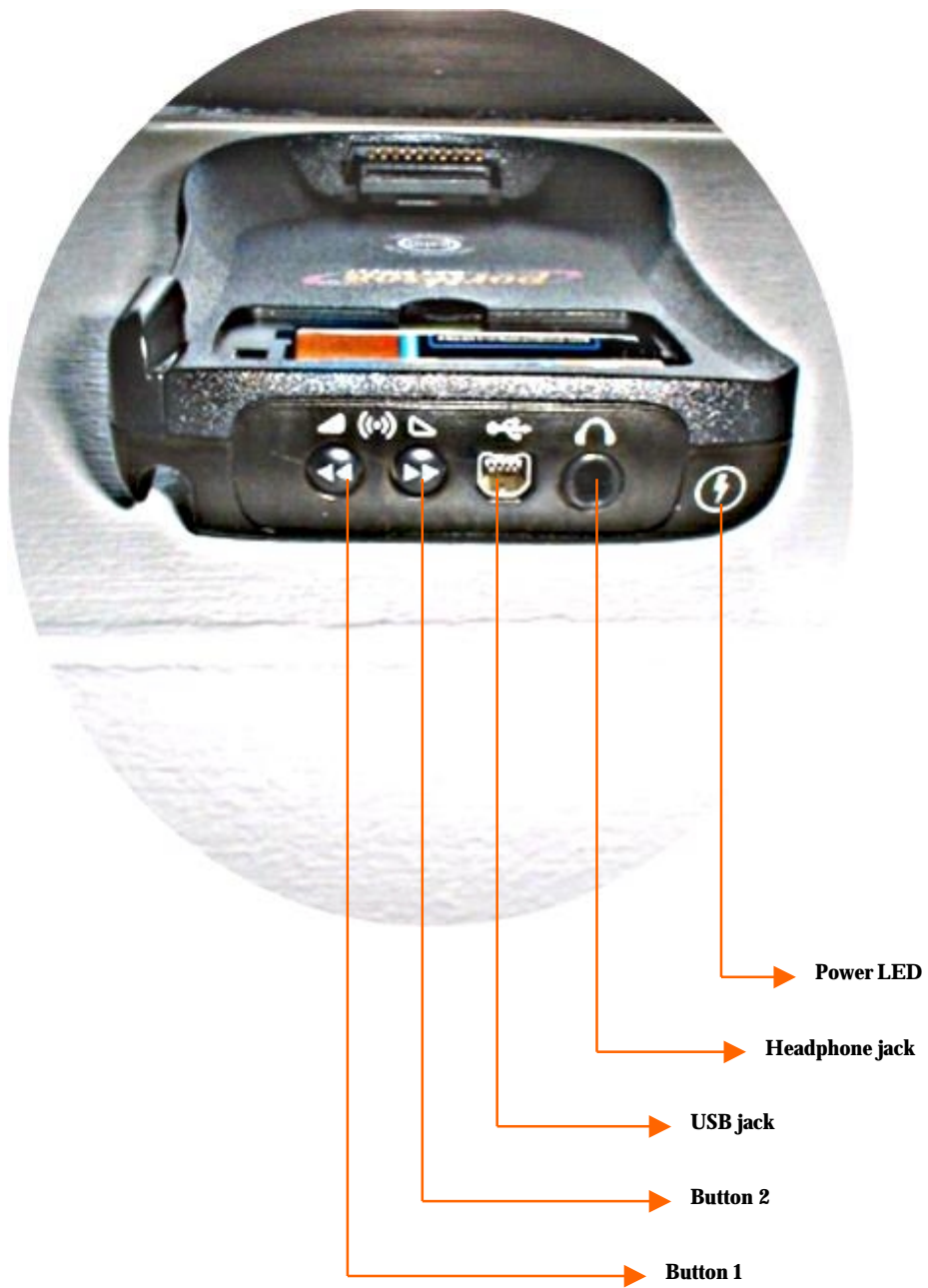
Be sure to remove the stylus from the right hand side of the Palm™ m10X before attaching PortéSon to the Palm.



Attach the PortéSon to the Palm™ m10X handheld:

- Plug the Palm™ m10X handheld to the PortéSon so that the PortéSon's serial connection fits nicely in the serial slot on the handheld device
- Gently pull the Plug-in latch out in upward direction and slide it back in to the stylus slot on the handheld device

PORTÉSON CONTROLS



USING THE PORTÉSON

Home



USING THE PORTÉSON

Details on the Home screen are described in numerical order in which they appear in the previous screen shot:

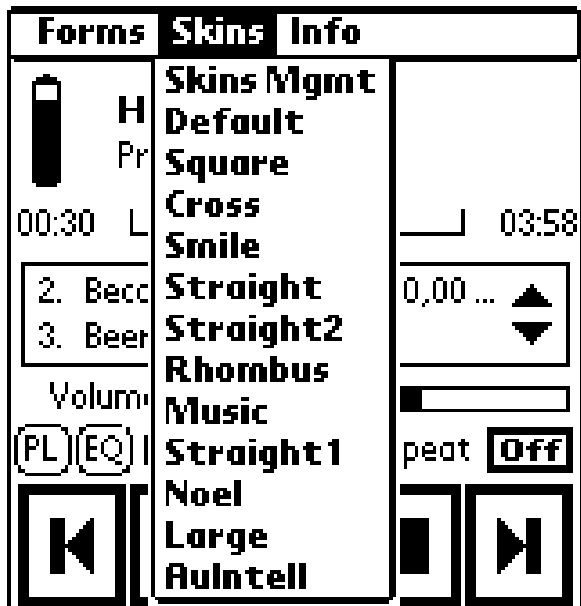
1. Category of current playing song, not editable
2. Battery display
3. Current song's title, artist, and/or album if available
4. Duration mm:ss (minutes:seconds format) elapsed since the song starts
5. Small version of the playlist showing 2 songs after the current playing song. Press the Up or Down arrow to navigate through the entire Playlist. Click on a title to play that song
6. Volume. You can adjust the volume level by moving the slider inside the volume bar, or by pressing the Page Up, or Page Down button on the handheld device
7. PL (PlayList) button when clicked will show the PlayList screen
8. EQ (Equalizer) button when clicked will show the Equalizer screen
9. Previous button. Press this button in the first 3 seconds of a song will go to the previous song. Otherwise, it will go to the beginning of the current song
10. Progress bar indicates how far a song plays. You can drag and drop the progress bar indicator to go to a particular location within the song
11. Total length of a song in mm:ss (minutes : seconds) format
12. Shuffle indicator. You select this option to play songs randomly
13. Repeat indicator. You select this option to play a song repeatedly
14. Off button let you turn off the PortéSon without pressing the power button on the device
15. Next button once clicked will play the song right after the current song
16. Stop button once clicked will stop playing the current song
17. Pause button once clicked will pause the current song
18. Play button once clicked will play a song

Important: Details described above vary based on chosen Home skin.

USING THE PORTÉSON

There are several skins available for Home screen. They can be accessed via Skins menu from the Home screen or Skins Management screen.

Important: You can download more Home skins at www.pocketpyro.com



USING THE PORTÉSON

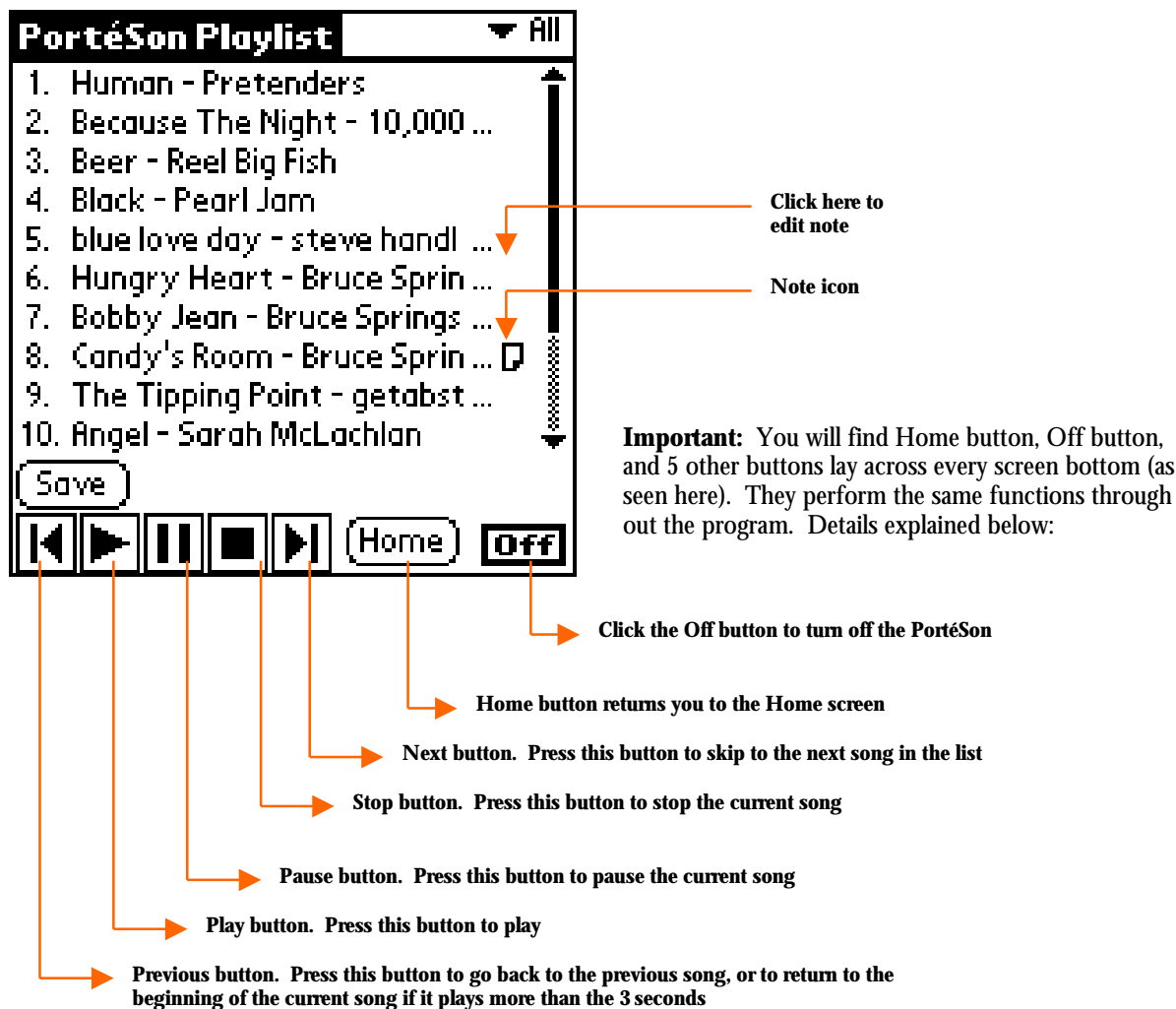
Skins Management (Mgmt)



You can switch to different skin from here by selecting a skin from the list and click the Switch button, or beam to another handheld device (i.e. another Palm™ m10X) by selecting a skin and click the Beam button. You can also delete a skin from this list. Deleting the current skin, or Default skin is not allowed. When you finish, click on Done to return to Home screen.

USING THE PORTÉSON

Playlist



List all songs available on PortéSon. The playlist shows songs in the order of Song Name-Artist, or Artist-Song Name depends on your preference. You can set this preference on the Palm Options screen.

If there is note associated with a song, a note icon is drawn to the right of song's title. If there is no note, the icon is not shown. You can click on the icon (note exists), or the empty space in place of the icon (no note) to bring up Song Edit screen to add notes.

You can customize the playlist by rearranging its order.
When you finish, click Save button to make new changes effective.

USING THE PORTÉSON

Song Edit

[illegible]

This is where you create, modify, or delete song's note. Currently, you can edit up to 255 characters for each song. When you finish, click Done to return to the first screen (i.e. PlayList screen, or Song Info screen).

USING THE PORTÉSON

Song Info

You get to this screen by clicking on the song title's area on the Home screen, or by choosing the Song Info menu item on the Forms menu belonged to the Home screen.

PortéSon Song Info Rock Editable song category

Title: Hungry Heart

Artist: Bruce Springsteen

Album: The River

Bit Rate: 128 Kbps, MP3

Sampling: 44.1 K, stereo

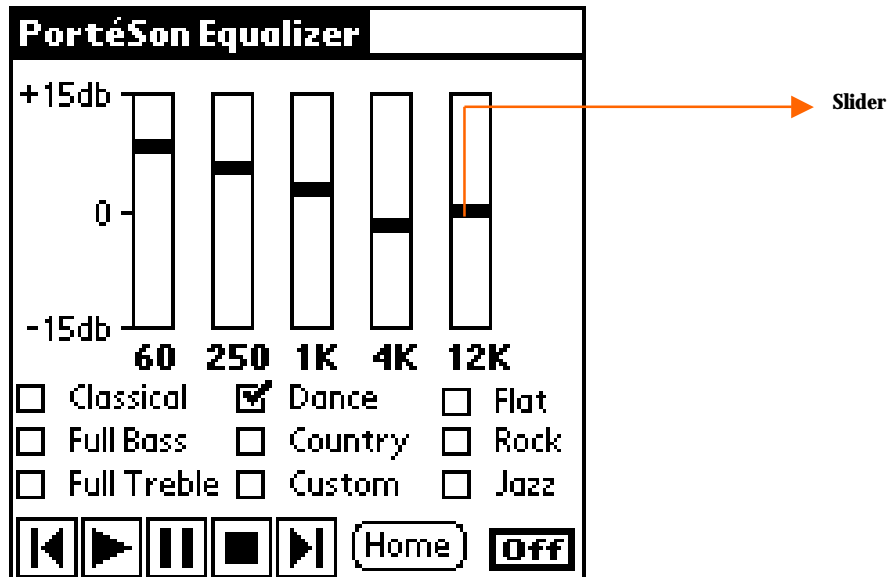
Size: 3160 K (3:22)

Play Note Done

You can customize song information on this screen such as changing song category, title, artist, and album. Press the Play button to play this song. Press the Note button to go to Song Edit screen for note editing. When you finish, click Done button to return to the first screen (i.e. Home screen, or PlayList screen)

USING THE PORTÉSON

Equalizer



You enter this screen by pressing the EQ button on the Home screen, or via Equalizer menu on many screens of this application. There are 8 predefined equalizer settings such as Classical, Dance, Flat, Full Bass, Country, Rock, Full Treble, and Jazz. You can select Custom, and move the slider inside each frequency band (60Hz, 250Hz, 1KHz, 4KHz, 12KHz) to desired position to create your own equalizer setting. This setting will be remembered until the next selection.

USING THE PORTÉSON

Palm Options



PortéSon gives you freedom to customize your playlist the way you want. On this screen, you can select the “Show in Playlist” option to have your playlist displays song name first follows by artist name or vice versa. As discuss in previous section, you can also rearrange your playlist by moving

USING THE PORTÉSON

songs around. If you do not want this to happen, make sure you check the “Lock Playlist” option to prevent unwanted effect.

You can program hard buttons on the Palm™ m10X (i.e. Date Book button, Address Book button, To Do button, and Note Pad button) to perform other functions. The followings functions are available:

- Default
- Vol Up
- Vol Down
- Shuffle
- Repeat
- Previous Song
- Next Song
- Pause
- Stop
- Off

Palm™ sets default functions for these hard buttons unless you change them. Press button Restore Defaults to cancel your changes on this screen, and restore their default functions.

USING THE PORTÉSON

PortéSon Options



Restart Options: controls how PortéSon will play when the program restarts. There are 3 choices available:

- Always start the first song
- Start the last song played before the program restarts.
- Start the last song played at the last position before the program restarts.

You can program buttons on the PortéSon just like the ones on the Palm. Buttons can be programmed for both long press and short press.

Options:

- Vol Up
- Vol Down
- Shuffle
- Repeat
- Prev Song
- Next Song
- Pause
- Stop
- Off

Defaults functions are:

- Button 1 (Outside button on top) Long Press: Vol Up
- Button 1 Short Press: Pause
- Button2 (Button next to USB port) Long Press: Vol Down
- Button2 Short Press: Next Song
- Power Button Short Press: Prev Song

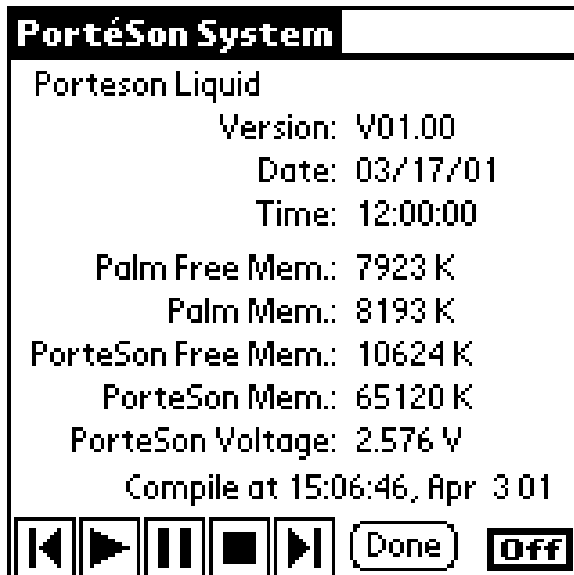
USING THE PORTÉSON

Press Apply to make your changes effective.

Press Restore Defaults button to return the buttons to their default functions.

You can also choose whether or not you want to restore current volume, and equalizer settings when you restart PortéSon again.

USING THE PORTÉSON System



This is where you find important information about your PortéSon.
You can also format your internal memory from the menu available on the System screen.

WARRANTY INFORMATION

Terms and Conditions

Please read this document carefully.

The terms and conditions in this document constitute the entire agreement between Shinei and you for the sale of products and license of software. By ordering the product you agree to be bound by these terms and conditions. If you do not agree to these terms and conditions, please do not order this product.

Porteson MP3 Player LIMITED WARRANTY

Hardware.

Shinei, Inc. ("Shinei"), warrants to the original end user that purchases this product new from Shinei or its authorized retailer ("Customer") that this Porteson MP3 player hardware product, but not the headphones, carry case or any other associated product ("Product") will be free from defects in workmanship and materials, under normal intended use, for ninety (90) days from the date of original purchase. Shinei's sole obligation under this express warranty shall be, at Shinei's option and expense to replace the Product or part with a comparable product or part, repair the Product or part, or if neither repair nor replacement is reasonably available, Shinei may, in its sole discretion, refund to Customer the purchase price paid for the Product or part. Replacement Products or parts may be new or reconditioned. All Products or parts that are replaced become the property of Shinei. Shinei shall not be responsible for Customer's or any third party's software, firmware, information, or memory data contained in, sorted on, or integrated with any Products returned to Shinei for repair, whether under warranty or not.

Software.

Shinei warrants to Customer that the Desktop Companion software, Palm software and MP3 Player embedded software in the form supplied by Shinei ("Software") will perform in substantial conformance to its program specifications, for a period of ninety (90) days from the date of original purchase from Shinei or its authorized retailer. No updates are provided. Shinei does not provide any warranty for any third party applications software that may be included with the Product that is licensed to Customer by the third party. Shinei's sole obligation with respect to this express warranty shall be (at Shinei's discretion) to refund the purchase price paid by Customer for any defective Software, or to replace it with Software that substantially conforms to applicable Shinei published specifications. Obtaining Warranty Service. Customer must notify Shinei of any defect in the Product or Software within the applicable warranty period and provide dated proof of original purchase from Shinei or its authorized retailer to obtain warranty service for the defect. Shinei will provide a warranty service authorization in response to each such notice and the Customer must deliver that warranty service authorization with the Product or parts. Shinei is not responsible for Customer Products or parts received without a warranty service authorization. In the United States, Shinei may ship a repaired Product or replacement Product as soon as reasonably possible, which will be no later than sixty (60) days after Shinei receives the original Product. Repaired or replacement Products will be shipped to Customer at Shinei's expense. The repair and replacement process for Products or parts in locations outside of the United States will vary depending on Customer's location.

Shinei shall not be liable under this warranty if its testing and examination disclose that the alleged defect in the Product does not exist or was caused by misuse, neglect, improper installation or testing, unauthorized attempts to open, repair, or modify the Product, or any other cause beyond the range of the intended use, or by accident, fire, lightning, other hazards, or acts of God. This warranty does not cover physical damage to the surface of the Product, including cracks or scratches on the outside casing. This warranty does not apply when the malfunction results from the use of this Product in conjunction with any unauthorized products and Shinei determines that there is no fault with the Product itself.

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Assignment.

You may transfer the Software and this Agreement to another party in connection with a transfer of the Product on which the MP3 Player Embedded Software is pre-loaded, if the other party agrees in writing to accept the terms and conditions of this Agreement. If you transfer the Software, you must at the same time either transfer all copies of the Software as well as the supporting documentation to the same party or destroy any such materials not transferred. Except as set forth above, you may not transfer or assign the Software or your rights under this Agreement.

WARRANTY INFORMATION

No Reverse Engineering.

Modification, reverse engineering, reverse compiling, disassembly, or removal of the Software from the Product on which it is pre-loaded is expressly prohibited, except to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation.

GENERAL

Export Restrictions.

You must not export or re-export the Product or Software or accompanying documentation (or any copies thereof) or any products utilizing the Software or such documentation in violation of any applicable laws or regulations of the United States or the country in which you obtained them.

United States Government Legend.

If you are acquiring the Software on behalf of any unit of agency of the United States Government, the following provisions apply. The Software constitutes a "commercial item", as that term is defined at Federal Acquisition Regulation (FAR) 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation", as such terms are used in FAR 12.212 (Sept. 1995), and is provided to the U. S. Government only as commercial software (with "Restricted Rights", if applicable). Use, duplication, or disclosure by the U.S. Government is subject to restrictions set forth in this License Agreement and as provided in DFARS 227.7202-1(a) and 227.7202-3(a) (1995), DFARS 252-227-7013(c)(1)(ii) (OCT 1988), FAR 12.212(a) (1995), FAR 52.227-19, or FAR 52.227-14 (ALT III), as applicable.

Term and Termination.

This Agreement is effective until terminated. You may terminate it at any time by destroying the Software and documentation together with all copies and merged portions in any form. It will also terminate immediately if you fail to comply with any term or condition of this License Agreement. Upon such termination you agree to destroy the Software and documentation, together with all copies and merged portions in any form.

Governing Law.

This Agreement shall be governed by the laws applying in the State of Florida as such laws are applied to agreements entered into and to be performed entirely within Florida between Florida residents. The conflicts of laws principles of such laws and the United Nations Convention on Contracts for the International Sale of Goods (1980) are hereby excluded in its entirety from application to this License Agreement.

Severability.

In the event any provision of this Agreement is found to be invalid, illegal or unenforceable, the validity, legality and enforceability of any of the remaining provisions shall not in any way be affected or impaired and a valid, legal and enforceable provision of similar intent and economic impact shall be substituted therefore.

CONTACT US

Email: custsvc@shinei.com.sg

REGULATORY INFORMATION

FCC Statement

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following three conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation, and
- (3) this device should not be used with an unshielded USB cable.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.

APPENDIX A

Flash Memory Formatting

This section describes the emergency format procedure that you can use to format your internal memory in case something happens. Disconnecting the USB cable during file transfers or the battery going dead file transfers could in some rare cases leave the flash disk needing to be reformatted.

The Portésón internal memory must be formatted from the PyroFormat program on the Palm, while the SD/MMC cards must be formatted from the PC over USB.

1. Turn off Portésón.
2. Hold down top button (Volume Up) farthest from stereo jack.
3. While holding down volume up button, press and hold down power button for about 2 seconds.
4. Make sure your device is in **Boot Mode**, 3 quick flashes on LED then a pause.
5. Run the PyroFormat program on the Palm. The PyroFormat.PRC file is located in the '**C:\Program Files\PocketPyro\Palm OS\Format**' folder.



6. Select either Format 32 for 32MB Portésón units, or Format 64 for 64MB Portésón units.
7. Format takes around 1 minute per 32MB.
8. When format completes, connect Portésón up to PC with USB cable.
9. When Portésón appears as a removable drive, copy all the files from the '**C:\Program Files\PocketPyro\Portésón Programs**' folder to the Portésón.
10. Remove USB cable, wait about 10 seconds.
11. Connect Portésón up to PC again with USB cable. The LED should be blinking with 2 quick flashes followed by a pause. You should now be able to use the desktop software to put secure audio files onto the Portésón.

To format your SD card, do the followings:

1. Turn on the Portésón and then insert SD card.
2. Connect your PortéSon to the PC via USB cable.
3. Double click on My Computer, and find the PortéSon listed as a removable drive.
4. Right mouse click on this drive, and choose Format from the popup menu.
5. Select the format options (Quick format works good) you want and click Start.

APPENDIX B

Important Notes

1. Check www.pocketpyro.com for updates, new applications, and skins for your PortéSon!
2. Do not power up the Portéson with the USB cable attached to PC.
3. Do not press Portéson buttons with USB cable attached to PC.
4. Always pause 4-5 seconds between attaching and removing the USB cable!
5. Turn on Portéson before plugging in USB cable.
6. Do NOT unplug the USB cable during file transfers or while synchronizing songs with the desktop.
7. Transferring large amounts of files or songs with a very low battery is not recommended, if the power fails during transfers the flash could be left in an invalid state.
8. Error -66 on Liquid Audio desktop is MP3 bit rate not supported.

APPENDIX C

Digital Audio Compression Notes

On an audio CD-ROM songs are stored as digital data with 44100 samples per second. Each sample consists of a left and right channel sample that are 16 bits each. This means the file size on an audio CD is about 10MB per minute, or about 65 minutes per CD.

In 1988 the Moving Pictures Experts Group released some standards for compressing and encoding video and audio content. The audio layer 3 compression has become the de-facto standard for music on the Internet and is commonly referred to as mp3. Within the mp3 standard you can compress the audio varying amounts by trading file size for quality. The standard 'near-CD' quality mp3 songs are compressed to 128k bits per second, which results in files that are about 1MB per minute. These files generally sound almost as good as the original CD audio, but on certain songs with complex sounds you will hear 'artifacts' or mistakes in the sound. Some people are more sensitive to these errors than others. If you compress the song down to 64k bits per second (0.5MB per minute) the artifacts become much more noticeable but the music is still relatively clear and recognizable. If you compress only down to 256k bits per second very few people can tell the difference between the mp3 and the original CD, although with some types of music (especially classical) it can still be noticeable.

The Portéson player also supports songs that are compressed using the new Advanced Audio Coding (AAC) compression standard that was release in 1997. AAC is similar to mp3, but does a better job of compressing the audio without 'artifacts'. In numerous tests listeners hear fewer artifacts in AAC songs at 96k bits per second than they hear in mp3 at 128k bits per seconds. AAC files at 64k bits per second tests to be almost as good as mp3 files at 128k bits per second. An AAC file at 128k bits per second will be the same size as an mp3 file at 128k bits per second, but the quality will be much better.

The desktop player included with the Portéson is capable of compressing songs using AAC from audio CD's at bit rates of 64k, 78k, 96k, and 128k bits per second. The 128k setting will provide great sounding songs that take about 1MB per minute of music. The 64k bit setting will give good sounding music that only takes 0.5MB per minute of music. You may wish to experiment with these settings to determine what you like best. In general classical music with lots of high frequencies may need the 96k or 128k setting to sound acceptable, while rock music and male voices sound very acceptable at the 64k and 78k settings.