

CREATIVE®

NOMAD®

JUKEBOX

Getting Started



Getting Started

NOMAD Jukebox

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Version 1.0

April 2001

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The following sections contain notices for various countries:

CAUTION: This device is intended to be connected by the user to a CSA/TUV/UL certified/listed IBM AT or compatible personal computers in the manufacturer's defined operator access area. Check the equipment operating/installation manual and/or with the equipment manufacturer to verify/confirm if your equipment is suitable for devices to be connected to it.

ATTENTION: Ce périphérique est destiné à être connecté par l'utilisateur à un ordinateur IBM AT certifié ou listé CSA/TUV/UL ou compatible, à l'intérieur de la zone d'accès définie par le fabricant. Consulter le mode d'emploi/guide d'installation et/ou le fabricant de l'appareil pour vérifier ou confirmer qu'il est possible de connecter d'autres périphériques à votre système.

Notice for the USA

FCC Part 15: 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, this notice is not a 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 one or more of the following measures:

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

Caution

To comply with the limits for the Class B digital device, pursuant to Part 15 of the FCC Rules, this device must be installed in computer equipment certified to comply with the Class B limits.

All cables used to connect the computer and peripherals must be shielded and grounded. Operation with non-certified computers or non-shielded cables may result in interference to radio or television reception.

Modifications

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

Notice for Canada

This apparatus complies with the Class “B” limits for radio interference as specified in the Canadian Department of Communications Radio Interference Regulations.

Cet appareil est conforme aux normes de CLASSE “B” d'interférence radio tel que spécifié par le Ministère Canadien des Communications dans les règlements d'interférence radio.

Compliance

This product conforms to the following Council Directive:

- Directive 89/336/EEC, 92/31/EEC (EMC), 73/23/EEC (LVD)

Declaration of Conformity

According to the FCC96 208 and ET95-19,

Manufacturer/Importer's Name: **Creative Labs, Inc.**

Manufacturer/Importer's Address: **1901 McCarthy Boulevard
Milpitas, CA. 95035
United States
Tel: (408) 428-6600**

declares under its sole responsibility that the product

Trade Name: **Creative Labs**

Model Numbers: **DAP-6G01/DAP-6G02**

**has been tested according to the FCC / CISPR22/85
requirement for Class B devices and found compliant with
the following standards:**

EMI/EMC: ANSI C63.4 1992, FCC Part 15 Subpart B
Complies with Canadian ICES-003 Class B.

This device complies with part 15 of the FCC rules.
Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesirable operation.

Ce matériel est conforme à la section 15 des règles FCC.

Son Fonctionnement est soumis aux deux conditions suivantes:

1. Le matériel ne peut être source D'interférences et
2. Doit accepter toutes les interférences reçues, Y compris celles pouvant provoquer un fonctionnement indésirable.

Supplementary Information:

DAP-6G01 == Standard Model

DAP-6G02 == Europe Model

DS-6401 is the docking station model.

**Compliance Manager
Creative Labs, Inc.
March 30, 2000**

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Note to Users

In this manual, all references to "NOMAD Jukebox" refer to the NOMAD Jukebox C.

Introduction

Your Creative NOMAD Jukebox is the latest USB-compatible, multi-format portable audio player/recorder.

This new, light-weight (14 oz.) digital audio player is the size of a portable CD player and features high-capacity storage—6 GB of built-in storage—that holds an entire music collection (150 albums). Its features include a Line-In connection for analog recording from external sources and two Line-Out connections for connecting a four-speaker system such as Cambridge SoundWorks FourPointSurround FPS2000 Digital.

NOMAD Jukebox features an onboard, real-time digital signal processor (DSP) and real-time effects processor for superior audio playback and customization. A Headphone-Out jack supports headphone spatialization and equalizer effects. This SDMI-capable portable digital audio player supports multiple formats including MP3, WAV and other future format standards. The NOMAD Jukebox supports downloadable features including new effects algorithms, security features, and auto playlist generators.

Software

NOMAD Jukebox includes:

- Creative PlayCenter 2 for managing your favorite digital audio files on your computer and NOMAD Jukebox. It is also an integrated encoder for ripping audio CD tracks into compressed digital audio files.
- SoundJam MP the ultimate music center for your Mac, that manages your digital audio files as well as converts almost any kind of sound file into MP3 files.
- More than 20 hours of preloaded music and audio book content from Naxos and Soundbuzz.com.

You can also download more MP3 files through worldwide web sites or online services, and play them back on your NOMAD Jukebox.

System Requirements

The NOMAD Jukebox is supported in both Windows and Macintosh environments.

Windows

The minimum system requirements for NOMAD Jukebox are:

- Microsoft® Windows® 98 and Windows® 2000
- 200 MHz or higher Pentium® or AMD K6 200
(Pentium II or AMD K6-2 or better recommended for MP3 encoding)
- SVGA graphics adapter (256 colors, 640 x 480)
- Internet connection for Internet content downloading or CDDDB support
(user is responsible for charges incurred)
- 32 MB RAM (64 MB recommended)
- USB port
- 30 MB free hard disk space (more for audio file storage)
- Installed mouse
- CD-ROM drive with digital audio extraction support

Macintosh

The minimum system requirements for NOMAD Jukebox are as follows:

- Mac® OS version 8.6 or higher
- iMac™, G3 or higher
- Internet connection for Internet content downloading or CDDDB support
(any expenses incurred are the responsibility of the user)
- 32 MB RAM (64 MB recommended)
- USB port
- USB Manager, version 1.2 or higher
- 12 MB free hard disk space (more for audio file storage)
- Installed mouse
- CD-ROM drive with digital audio extraction support

Handling Instructions

Avoid severe impact on the NOMAD Jukebox

- Do not drop the Jukebox on a solid surface or drop a heavy object on the Jukebox.

Prevent water from entering the NOMAD Jukebox

- If the Jukebox comes into contact with water, dry it immediately with a dry cloth.
- If the Jukebox becomes wet, remove the batteries. Allow the Jukebox and components to dry completely before re-assembling.
- If the Jukebox is not functioning, call Technical Support.

Storing the NOMAD Jukebox

- Avoid storing NOMAD Jukebox where there is high humidity, strong magnetic fields, or high heat.

Turning Off Your NOMAD Jukebox



Be sure that NOMAD Jukebox is properly turned off before detaching its power cable.

Cleaning NOMAD Jukebox

- Disconnect the power adapter from the wall outlet or power source before cleaning.
- Do not use liquid or aerosol cleaners.
- Use a damp cloth for cleaning.

Using and Replacing Batteries



Do not dispose of the batteries in fire, recharge, put in backwards, and mix with used or other battery types—improper use of batteries may lead to explosion or leakage and cause personal injury.

DO NOT:

- Use the NOMAD Jukebox to recharge batteries other than the type specified. Attempting to recharge batteries such as normal, heavy duty, or alkaline batteries, *or* mixing different types of batteries, such as rechargeable alkaline, may lead to explosion or leakage and cause personal injury.
- Use external battery chargers to charge your batteries. Charging your batteries in this way may damage your batteries and your Jukebox.
- Immerse the batteries in water.
- Repair or disassemble the batteries.
- Drop the batteries or subject them to extreme force.
- Short-circuit the batteries—this may result in skin burns.

DO:

- Insert the batteries according to the polarity markings on the product; see the diagram on the bottom of the battery compartment for proper positioning.
- Keep the batteries in a cool and dry place, away from heat, moisture, and metal objects when not in use.
- Handle leaking batteries with rubber gloves. Avoid direct contact with skin or eyes. If this happens, wash the skin and flush the eyes thoroughly with clean water—seek medical attention.
- Dispose of used batteries as required by local ordinances or regulations.
- Keep the batteries out of reach of children.

Servicing

Do not attempt to service any part of the product yourself. Servicing should only be done by qualified service personnel.

Power Sources

The product should be operated only with the power adapter included. If you are not certain of the power supply type in your home, consult your product dealer.

If you are using batteries with your product, refer to the operating instructions included in your documentation and markings, if any, on the product.

Proper Care and Usage

- Do not use any object to probe the openings of the product—this may result in electric shock or fire, and can also damage the product.
- Do not spill liquid of any kind on the product.

Health Hazards**Inhalation**

Inhaling the fumes from the contents of an exposed, damaged, or leaking battery may cause respiratory irritation. If this happens, breathe in fresh air and seek medical attention.

Skin Contact

Direct skin contact with the contents of a damaged battery may cause skin irritation and/or chemical burns. Remove contaminated clothing and wash the affected skin area with soap and water. If a chemical burn or the irritation persists, seek medical attention.

Eye Contact

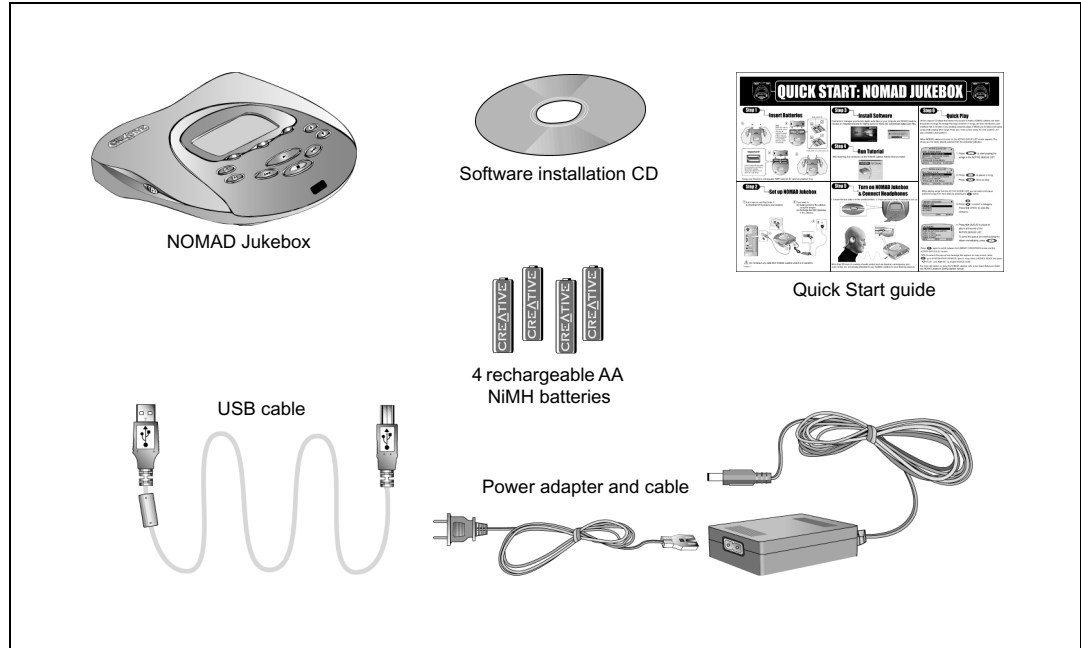
If the contents of a damaged battery comes into contact with the eyes, severe irritation and chemical burns may result. Flush the eyes thoroughly with clean water immediately for at least 15 minutes, lifting the upper and lower eyelids while doing so, until no evidence of the chemical remains. Seek medical attention.

Your NOMAD Jukebox

Your NOMAD Jukebox includes the following:



Items that come with your NOMAD Jukebox package may differ depending on the country in which you purchased the package.

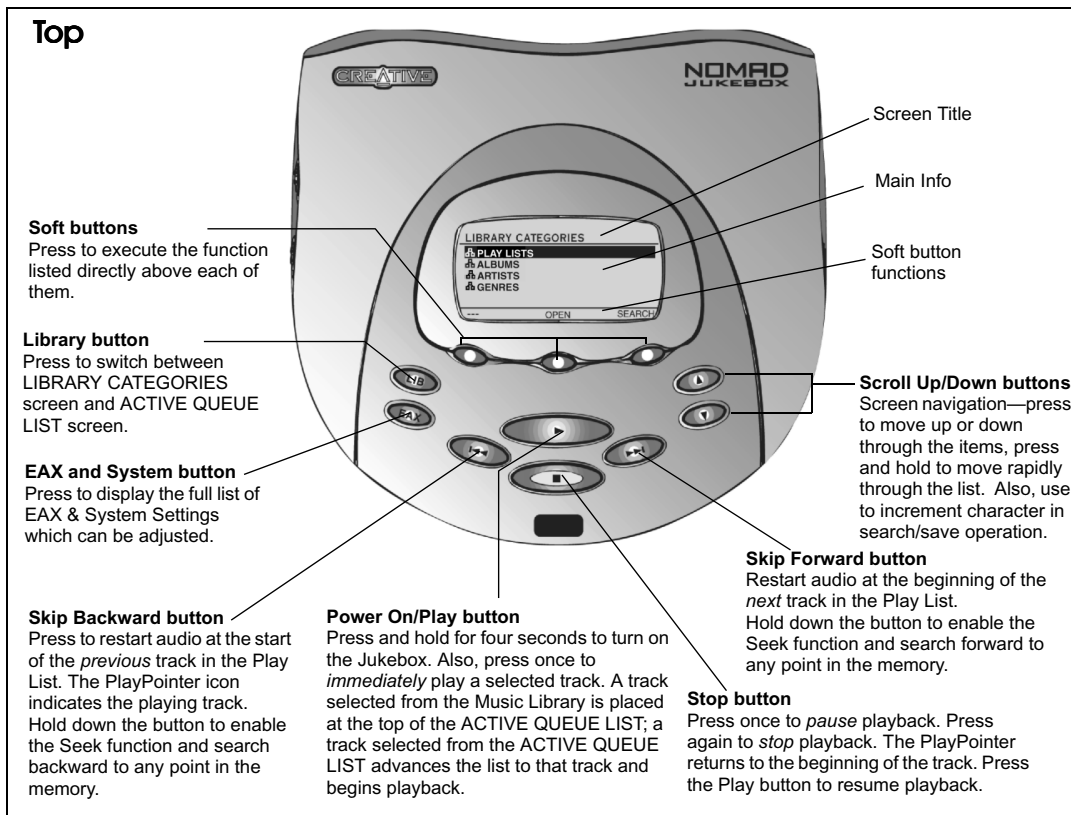


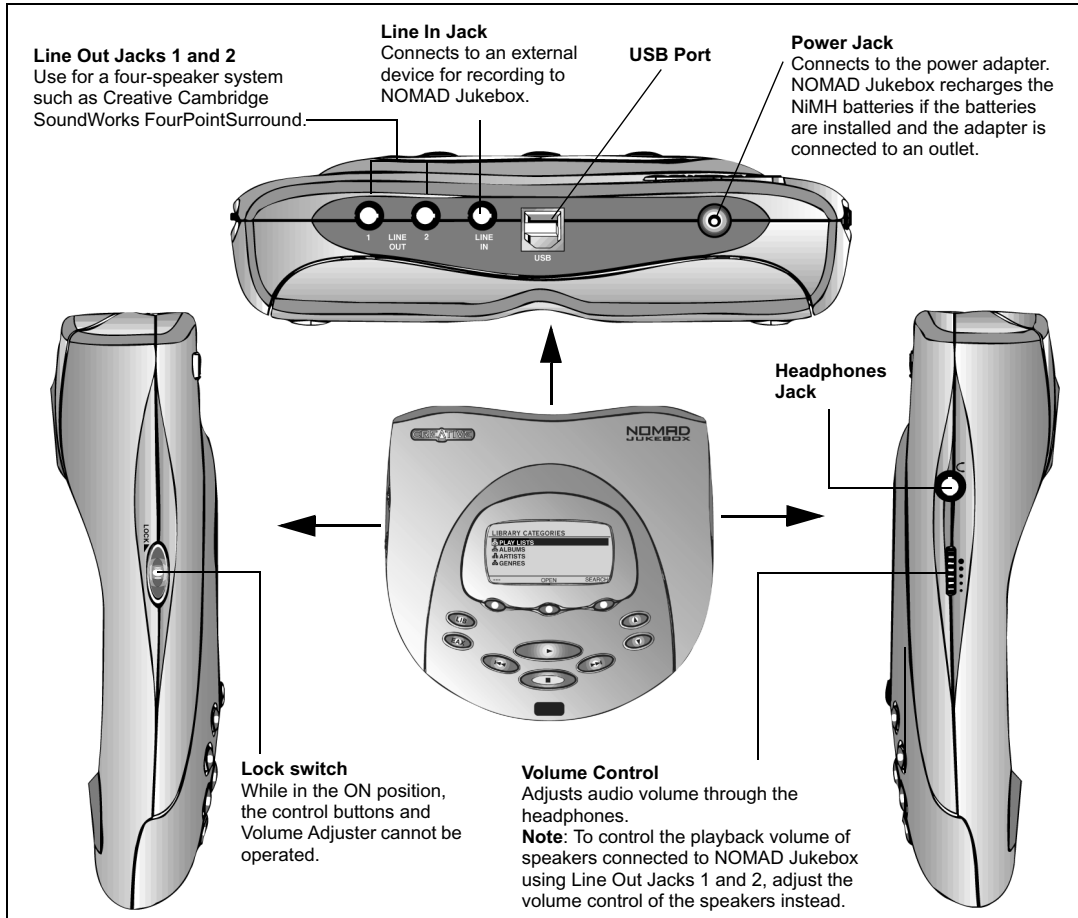
For a list of the latest accessories, visit NOMAD World at <http://www.nomadworld.com>.

Location of Controls



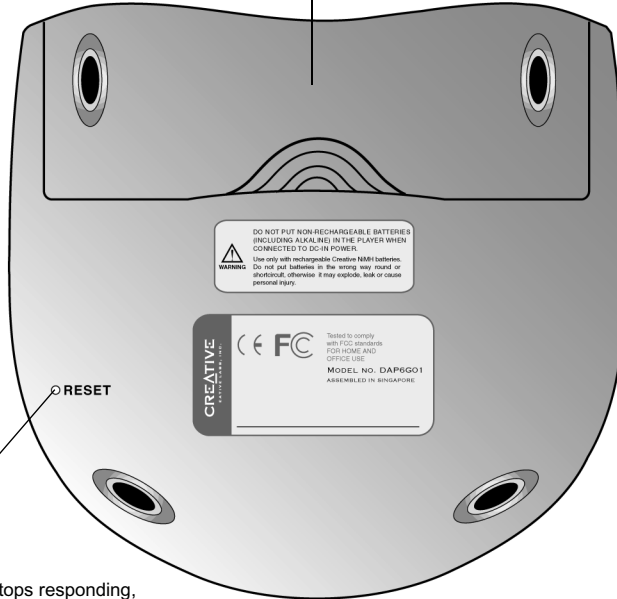
The diagrams may differ slightly from the actual NOMAD Jukebox. Features and operations remain the same.





Bottom

Battery case



RESET

Reset
If NOMAD Jukebox stops responding,
insert and push a straightened
paperclip into this hole.

Setting Up NOMAD Jukebox

Your NOMAD Jukebox comes preloaded with songs — you can enjoy playing the songs immediately on your NOMAD Jukebox whether or not it is connected to a PC. Just follow these steps to listen to the songs immediately:

Step 1: Insert Batteries

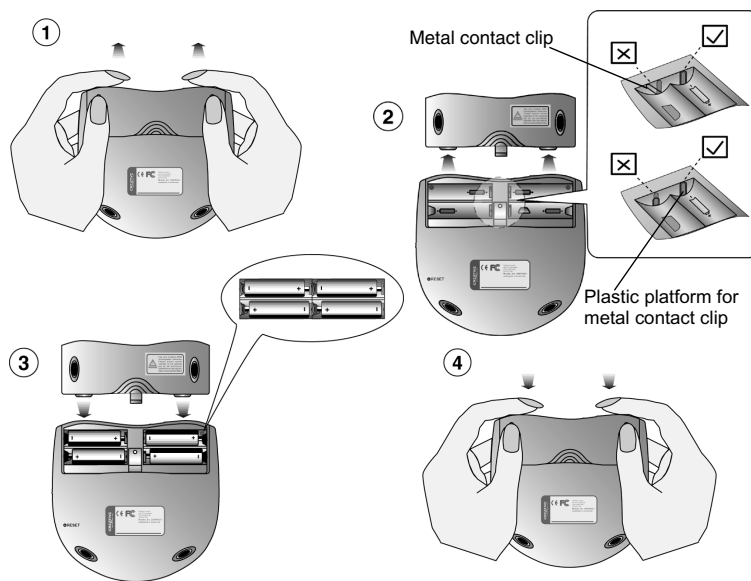


Using alkaline, NiCd, and other batteries will result in shorter playback time. The recharging element of the Jukebox is not designed to recharge these batteries.



Completely depleted batteries should be fully recharged for twelve hours when the NOMAD Jukebox is not in use. Remember to have one set of four batteries fully recharged and ready to power your NOMAD Jukebox.

Insert the rechargeable NiMH batteries according to the placement diagram in the battery compartment.



IMPORTANT

Make sure that the four metal contact clips are set against the plastic platform and not pushed sideways or downwards when you insert the batteries. Use only Creative NiMH batteries. Follow the placement diagram in the battery compartment for proper installation. Do not mix batteries of different types or power (amperage). Batteries **must** be charged fully for 12 hours before initial use. The minimum time required for recharging is four hours while Jukebox is turned off or ten hours if Jukebox is in use.

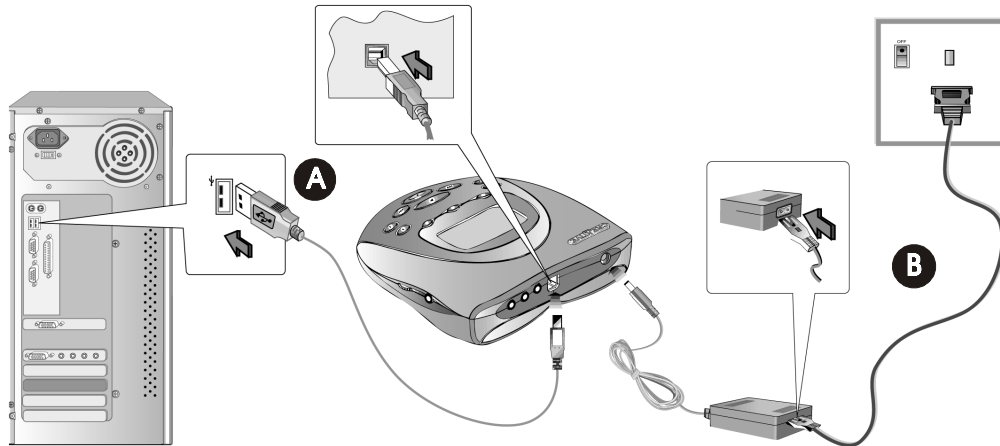
Step 2: Connect NOMAD Jukebox to Your PC or Mac



You may leave your computer on when you connect your NOMAD Jukebox to the USB port. A USB device, such as the Jukebox, is automatically detected by your computer.

The diagram below shows how to make the connection for:

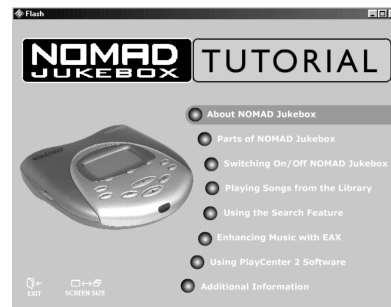
- A. Downloading MP3 music to NOMAD Jukebox using PlayCenter 2 or Sound Jam.
- B. 1. Supplying power to your NOMAD Jukebox by using the power adapter.
2. Recharging the NiMH batteries in NOMAD Jukebox.



Step 3: Run Jukebox Tutorial

To run the Jukebox tutorial:

1. Insert the NOMAD Jukebox Installation CD into your CD-ROM drive.
2. For Windows, when the software installation screen appears, select Creative Jukebox Tutorial. For Macs, when the software installation screen appears, select NJBdemo.
3. When the tutorial screen appears, click on a topic to run it.



Step 4: Install Software

Install all the programs in the installation CD before accessing the software.

Windows

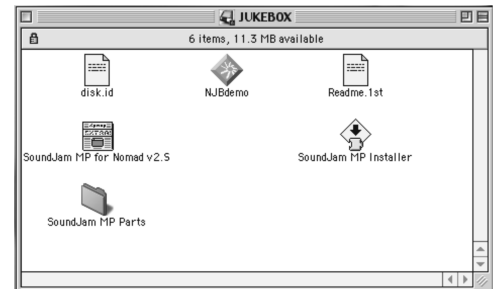
To install the software for Windows:

1. Insert the Creative Installation CD into your CD-ROM drive. The Creative PlayCenter 2 setup screen appears with the applications to be installed selected by default.
2. Click the right arrow button to start the installation. The Creative Product Registration dialog appears.
3. Click the Next button to begin the registration process. Follow the instructions to complete the registration. To register at a later time, click the Cancel button.
4. Follow the instructions on the screen to continue with the installation. A message appears after the first application is installed, informing you that the Creative PlayCenter 2 Setup is completed.
5. Click the OK button and continue installing the remaining software.
6. When prompted to restart your system, leave the CD in the CD-ROM drive, select the “Yes, I want to restart my computer now” option and then click the Finish button.

Macintosh

To install the software for Macintosh:

1. Insert the Creative Installation CD into your CD-ROM drive. Access the installation screen by double-clicking the Jukebox icon.
2. When the Jukebox Installation screen appears, double click on the SoundJam MP Installer icon.
3. Click Install on the next SoundJam Installation screen.
NOTE: SoundJam’s Installer may detect earlier versions of SoundJam, in which case it is best to select OK and install over the older version.
4. Restart your system when prompted.

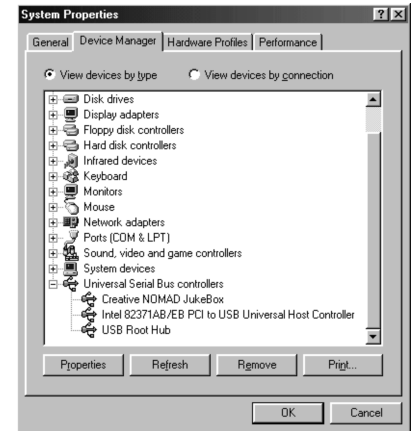


Step 5: Verify NOMAD Jukebox Driver Installation

Windows

To check that the NOMAD Jukebox driver was successfully installed in Windows:

1. Click the Start button on the Windows Taskbar and select Settings, and click on Control Panel.
2. On the Control Panel window, double-click the System icon.
3. In the System Properties dialog, click the Device Manager tab.
4. On the Device Manager tab page, double-click “Universal Serial Bus controllers,” and then check that Creative NOMAD Jukebox is listed.



Macintosh

To check that the NOMAD Jukebox driver was successfully installed in Macintosh:

1. On the desktop, double-click on the hard disk icon where SoundJam MP has been installed. The hard disk window appears.
2. Double-click on the System Folder icon. The System Folder window appears.
3. Double-click on the Extensions icon. The Extensions window appears.
4. Check that Creative NOMAD Jukebox is listed.

Step 6: Connect Headphones



Headphones are not bundled with your NOMAD Jukebox.

To connect the headphones to the NOMAD Jukebox:

1. Insert the headphones jack into the connector on the right side of the NOMAD Jukebox.
2. Ensure that the lock switch on NOMAD Jukebox is in the OFF position.
3. Press and hold the Play button for two seconds.
4. Put on your headphones.



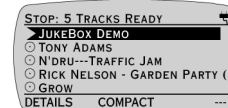
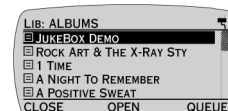
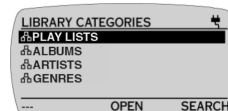
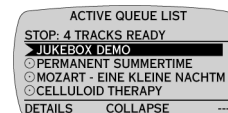
Step 7: Select and Play a Track



NOMAD Jukebox can only be accessed through its control buttons when it is disconnected from the computer. If NOMAD Jukebox is connected to the computer, use PlayCenter 2 or SoundJam to control the functions of your Jukebox.

To play a track preloaded on your NOMAD Jukebox:

1. Turn on the NOMAD Jukebox by pressing and holding the PLAY button until "LOADING" appears in the display. An ACTIVE QUEUE LIST screen appears.
2. Press the LIB button to display the LIBRARY CATEGORIES screen.
3. Press the UP/DOWN buttons to select a category.
4. Press Open to display a list of Albums, Artists or Genres.
5. Using the UP/DOWN buttons, select the sub-category. For example, under the Albums category, select "Jukebox Demo".
6. Press the PLAY button to play all tracks in this sub-category.



Using Your NOMAD Jukebox

Screen Icons



The interactive tutorial on the installation CD is included to guide you through the important operations on NOMAD Jukebox.

The following symbols are used on the NOMAD Jukebox display:



Category (Album, Artist, Style, etc.)



List of tracks from an album, a play list, etc.



Single track.



PlayPointer appears beside the track or list that is currently being played.



A selected item is highlighted.



Battery Charging.

NOTE: Should the Battery Charging icon change to the Power Source icon, the batteries are fully charged.



Power Source is from the adapter.

Starting NOMAD Jukebox



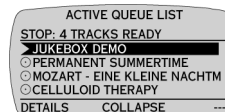
The PLAY LISTS category appears on your NOMAD Jukebox only after a Play List has been created.

To turn on the NOMAD Jukebox, press and hold the Play button until “Loading” appears on the display.

Whenever you turn on NOMAD Jukebox, the ACTIVE QUEUE LIST screen appears.

When you make changes to the ACTIVE QUEUE LIST, the settings are saved when you turn off the Jukebox.

To display the Library Categories screen, press the LIB button on the Jukebox.



Navigating Music Library Screens

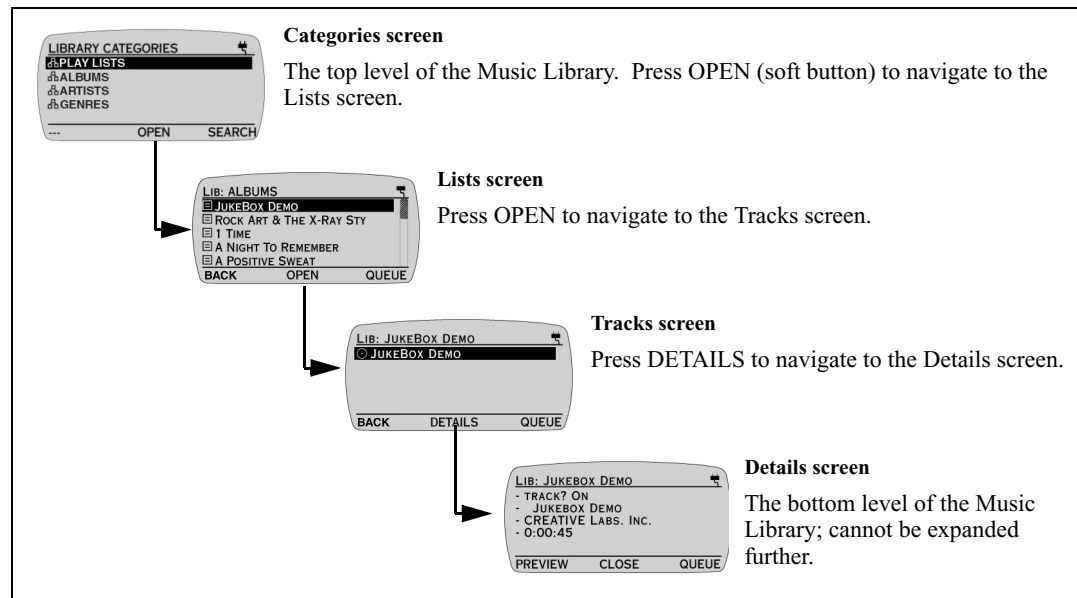
The Music Library screens allow you to view and select from the lists and tracks stored on the NOMAD Jukebox. To select lists or tracks, use the SCROLL UP/DOWN button. To play, select the list or track and press either the PLAY button or the QUEUE soft button.

There are four main types of screens in the Music Library:

- Categories
- Lists
- Tracks
- Details

These screens may apply to play lists, albums, artists, and genres.

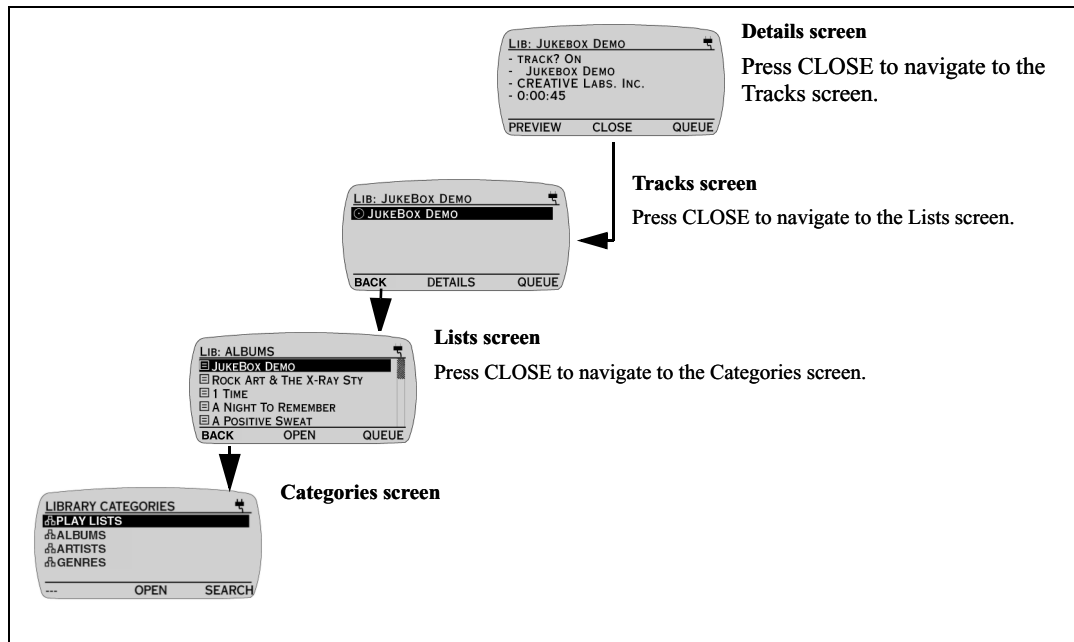
Navigating to Lower Level Screens



Navigating to Upper Level Screens



BACK may be displayed instead of CLOSE.



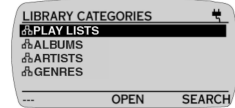
Music Library

Searching for an Album, Artist, Genre, or Play List

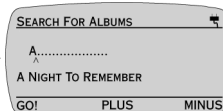


To return to the LIBRARY CATEGORIES screen without searching, press the LIB button.

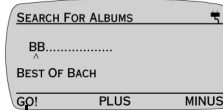
Begin your search from the LIBRARY CATEGORIES screen.



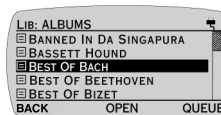
1. Press SCROLL UP/DOWN buttons to select ALBUMS.
2. Press SEARCH to access the SEARCH FOR ALBUMS screen.



3. Press PLUS/MINUS to change the letter and then press the SCROLL UP/DOWN buttons to move the letter entry position (indicated by a ^).



NOTE: As each letter is entered, the letters are compared with the ALBUMS list. The ALBUM with the nearest match is displayed.



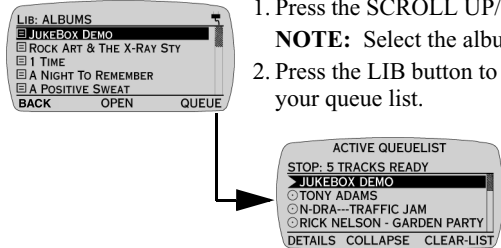
4. Press GO! to jump to the nearest match. The album appears on the screen.

NOTE: To search by Play Lists, Artists or Genres, select the appropriate category in Step 1.

Queueing an Album

Queueing an album adds each album selected to the end of the ACTIVE QUEUE LIST. If the Queue List is currently playing, the playback is not interrupted by the operation.

Begin queueing from the ALBUMS screen.



1. Press the SCROLL UP/DOWN button to select an album, then press QUEUE.

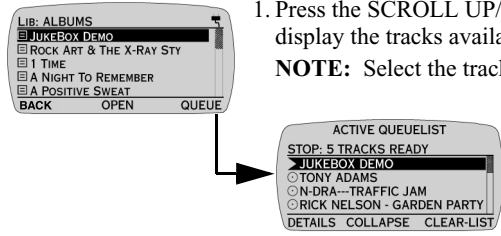
NOTE: Select the albums one at a time and press QUEUE for each album.

2. Press the LIB button to access the ACTIVE QUEUE LIST screen to review your queue list.

NOTE: By default, the ACTIVE QUEUE LIST screen displays tracks. Press COLLAPSE to view by albums.

Queueing a Track

Queueing a track or voice recording is very similar to adding an album—start from the ALBUMS screen.



1. Press the SCROLL UP/DOWN button to select an album, then press OPEN to display the tracks available.

NOTE: Select the tracks one at a time and press QUEUE for each.

2. Press the LIB button to access the ACTIVE QUEUE LIST screen to review the tracks in your queue list.

You may select tracks from the GENRES screen as well: On the LIBRARY CATEGORIES screen, use the SCROLL UP/DOWN button to select GENRES and press OPEN. Select the type of music from which you want to choose and press OPEN.

To add a voice recording to the ACTIVE QUEUE LIST, from the LIBRARY CATEGORIES screen, select GENRES. Use the SCROLL UP/DOWN button to select RECORDING and press the OPEN button. Select the recording you want to add to the ACTIVE QUEUE LIST and press QUEUE.

Viewing Details



The following audio playback settings are shown on the LCD if they are on:

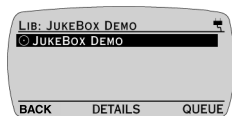
- EA: Environmental Audio
- EQ: Parametric EQ
- HS: Headphone Spatialization
- TS: Playback speed
- 4S: 4-Channel Speaker Sound (appears only if speakers are connected and the effect is on).



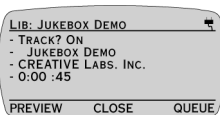
You can adjust all the settings from the EAX AND SYSTEM MENU screen.

There are two types of DETAILS screens. The first type is accessed from the TRACKS screen and the second type is accessed from the ACTIVE QUEUE LIST screen.

View DETAILS accessed from the TRACKS screen:

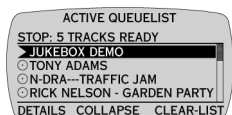


1. Press DETAILS. The DETAILS screen displays the Track Order, Album, Artist, and duration of the track.

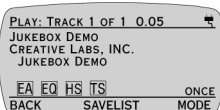


2. Press CLOSE to return to the TRACKS screen.

View DETAILS accessed from the ACTIVE QUEUE LIST screen:



1. Press DETAILS. The DETAILS screen displays the Track Title, Artist, and Album together with audio playback settings and Play Mode (see “Setting Play Mode” on page 17).



2. Press BACK to return to the ACTIVE QUEUE LIST screen.

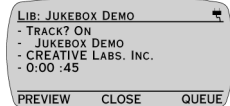
NOTE:When viewing DETAILS, the word in the lower right corner of the screen indicates the current playback setting for the play list: ONCE, SHUFFLE, RANDOM, or REPEAT.

Previewing a Track



PREVIEW cannot be used if a track is already playing.

Previewing a track allows you to listen to a track before placing it in the ACTIVE QUEUE LIST screen. Begin from the DETAILS screen accessed from the TRACKS screen.



1. Press PREVIEW. The track plays in its entirety.
2. Press STOP to stop the Preview playback.

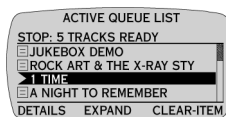
Removing Albums, Tracks or Play Lists



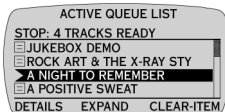
To erase actual tracks, see “Deleting Library Items” on page 25.

Removing selected Albums, Tracks, or Play Lists only clears them from the ACTIVE QUEUE LIST screen. The action *does not* erase actual tracks from NOMAD Jukebox. Begin from the ACTIVE QUEUE LIST screen and COLLAPSE view.

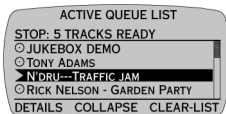
Removing an item:



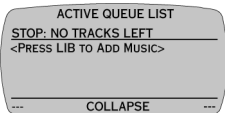
1. Press the SCROLL UP/DOWN buttons to select tracks to clear and then press REMOVE for each one. The track is cleared from the ACTIVE QUEUE LIST screen.



Clearing the ACTIVE QUEUE LIST:



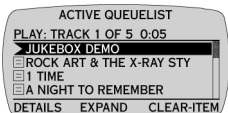
1. Press EXPAND to display COLLAPSE above the middle soft button.



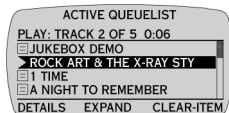
Press CLEAR-LIST.

Playing Tracks/Albums

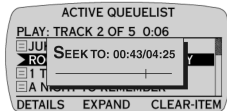
Skipping Forward/Backward



1. Press the SKIP FORWARD/BACKWARD buttons to skip forward to the next track or skip backward to the previous track.



Seek Mode

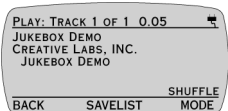


1. Hold the SKIP FORWARD/BACKWARD buttons to seek forwards or backwards to anywhere of the track being played.

Setting Play Mode

Play Mode specifies how tracks or albums in the ACTIVE QUEUE LIST screen are to be played: ONCE, SHUFFLE (play once in random order), RANDOM (continuous random play), and REPEAT.

Begin from the DETAILS screen.



1. Press MODE (repeatedly, if necessary) to change to the desired Play Mode.

Saving an Active Queue List



To delete a play list, see “Deleting Library Items” on page 25.

You can add tracks to the ACTIVE QUEUE LIST screen and then save the tracks as a play list for easy retrieval. Saving a play list on the DETAILS screen is a shortcut to the SAVE ACTIVE QUEUE LIST function on the EAX AND SYSTEM MENU screen.

1. On the ACTIVE QUEUE LIST screen, press the DETAILS button.
2. Press SAVEDLIST to save the play list in the PLAY LIST categories.

3. Press PLUS/MINUS to change each letter of the play list title and then press the SCROLL UP/DOWN buttons to move the letter entry position indicated by a ^.
4. Press DONE! The ALBUMS screen returns.
5. Press BACK to return to LIBRARY CATEGORIES screen.

6. Press the SCROLL UP/DOWN buttons to select PLAY LISTS.
7. Press OPEN to check your saved PLAY LIST.

EAX and System Menu

Adjusting Parametric EQ

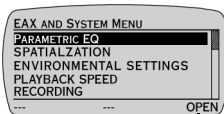


These adjustments are applied only if EQ ENABLED is selected. They are disabled if EQ BYPASSED is selected.

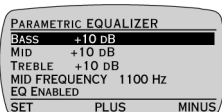
- To close the EAX AND SYSTEM MENU without making changes, press the EAX button.

EAX menus include Parametric EQ, Spatialization, Environmental Audio, and Playback Speed. For a more detailed explanation of these features, refer to the online *NOMAD Jukebox Tutorial*. System Menus include features and preferences that can be adjusted and set.

You can adjust the sound by changing Bass, Treble, and Middle equalizer settings by +/- 12 decibels. Fine-tune audio playback further by setting middle frequency between 200 to 4500 hertz. Adjustments are heard immediately if you are currently playing a track.



1. Press the EAX button to access EAX AND SYSTEM MENU and then press the SCROLL UP/DOWN button to select PARAMETRIC EQ.
2. Press OPEN.



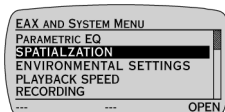
3. Press the SCROLL UP/DOWN button to select a setting for adjustment.
4. Press PLUS/MINUS to adjust the setting.
5. Press SET to save the adjustment(s).

Adjusting Spatialization Settings

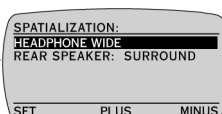


Only one spatialization effect can be applied at a time. For example, if you select FULL spatialization for your headphones, no spatialization effects are applied to your speakers.

With Spatialization, you can experience audio from your headphones with Narrow, Wide or Full effects. Duplicate or Surround effects are also possible with a four-speaker system like Cambridge SoundWorks FourPointSurround. Begin from the EAX AND SYSTEM MENU.



1. Press the SCROLL UP/DOWN buttons to select SPATIALIZATION.
2. Press OPEN.

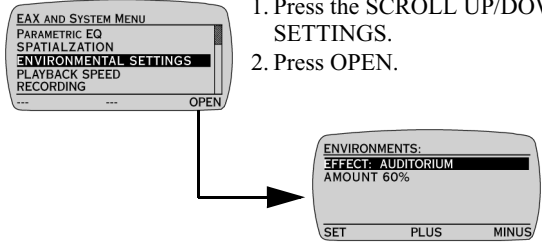


3. Press the SCROLL UP/DOWN buttons to select a setting for adjustment.
4. Press PLUS/MINUS to adjust the setting.
5. Press SET to save the adjustment(s).

Adjusting Environmental Audio

You can select one of the following Environmental Audio settings: City, Concert Hall, Club, Hallway, Living Room, Arena, Auditorium, Cave, Stone Room, or Ball Room.

Begin on the EAX AND SYSTEM MENU.

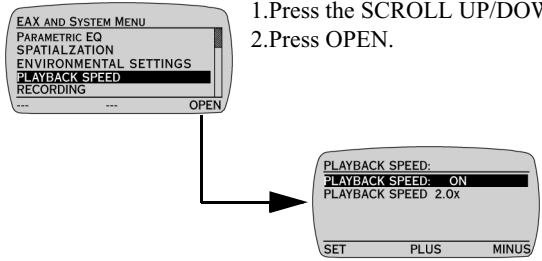


1. Press the SCROLL UP/DOWN buttons to select ENVIRONMENTAL SETTINGS.
2. Press OPEN.
3. Press the PLUS/MINUS buttons to select a setting for adjustment.
4. Press SCROLL UP/DOWN to select AMOUNT.
5. Press the PLUS/MINUS to adjust the setting.
6. Press SET to save the adjustment(s).

Using Playback Speed

Playback Speed allows you to slow down or speed up audio playback without distortion.

Begin on the EAX AND SYSTEM MENU.



1. Press the SCROLL UP/DOWN buttons to select PLAYBACK SPEED.
2. Press OPEN.
3. Press the SCROLL UP/DOWN buttons to select a setting for adjustment.
4. Press PLUS/MINUS to adjust the setting. To enable Playback Speed, the setting must be ON.
5. Press SET to save the adjustment(s).

Creating and Saving an Audio Recording



A pre-amplified microphone should be used for recording.

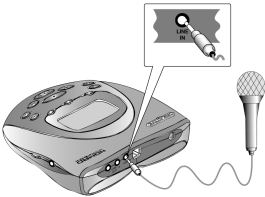
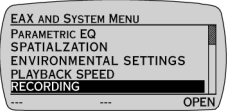
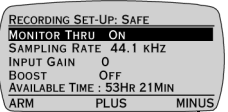
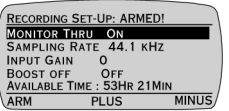


To listen to what you are recording, select MONITOR THRU (set to ON).



Recordings are saved in increments of 10 minutes, when recording at 48Mhz.

NOMAD Jukebox is capable of recording hours of audio using an attached microphone. Ensure that you are in EAX AND SYSTEM MENU before proceeding.

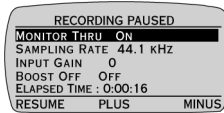
1. Connect a pre-amplified microphone to the Jukebox's LINE IN jack.

2. Press the SCROLL UP/DOWN buttons to select RECORDING.
3. Press OPEN.

4. Press the SCROLL UP/DOWN buttons to select a setting for adjustment.
NOTE: To start recording without adjusting the settings, go to step 6, below.
5. Press PLUS/MINUS to adjust the setting.

6. Press ARM to go to recording standby state.




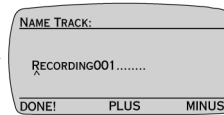
You can make adjustments to the settings while you are recording—see steps 4 and 5.



7. Press the PLAY button to begin recording.
8. Press the STOP or PAUSE button to pause recording.



9. Press RESUME to continue recording or press DISCARD to delete the recording.
10. Press SAVE to save the recording.



11. Press PLUS/MINUS to change the letter and then press the SCROLL UP/DOWN buttons to move the letter entry position.
12. Press DONE! to save the recording. The recording is saved in GENRES and ALBUMS.

Listening to an Audio Recording

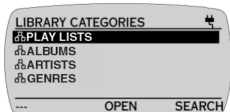


You can use PlaybackSpeed (see “Using Playback Speed” on page 20) to slow down or speed up the playback speed of your audio recording.

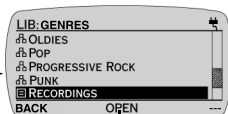


Use PlayCenter 2 or SoundJam to encode your recording to an MP3 track to reduce its file size or to fill in the track details. Refer to the online Help for instructions.

To listen to your saved audio recording, begin with the LIBRARY CATEGORIES screen.



1. Press the SCROLL UP/DOWN buttons to select GENRES.
2. Press OPEN.



3. Press the SCROLL UP/DOWN buttons to select RECORDINGS.
4. Press OPEN.



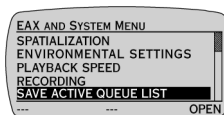
5. Press the SCROLL UP/DOWN buttons to select the recording you have saved.
6. Press the PLAY button to listen.
Press DETAILS to view information on the track.
Press QUEUE to place the recording on an active playlist.

Saving an Active Queue List

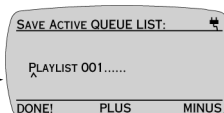
You can save an Active Queue List on the Jukebox.

1. After you create an active play list, press EAX to access EAX AND SYSTEM MENU screen.

NOTE:For details on how to create an active queue list, refer to “Saving an Active Queue List” on page 18.



2. Press the SCROLL UP/DOWN buttons to select SAVE ACTIVE QUEUE LIST.
3. Press OPEN.



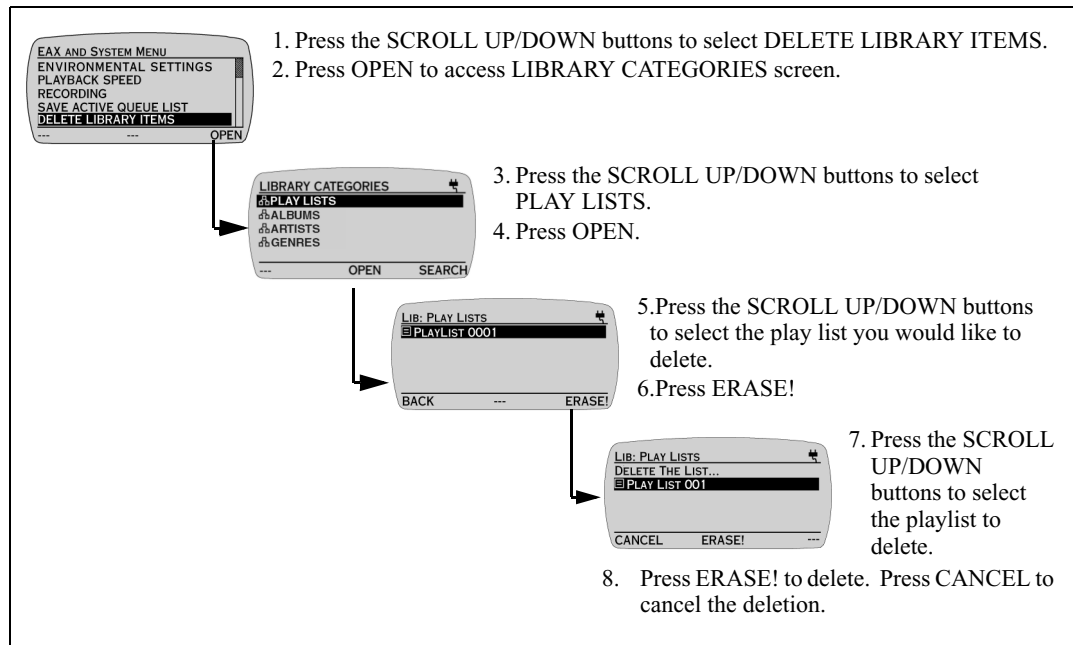
4. Press PLUS/MINUS to change the letter and then press the SCROLL UP/DOWN buttons to move the letter entry position indicated by a caret (^).
5. Press DONE! to save the play list.

Deleting Library Items



This feature stops playback and clears the current play list. If a play list is selected for deletion, only the list is deleted—the tracks or albums remain on the Jukebox.

You can delete a play list, track, or album from NOMAD Jukebox. Begin on the EAX AND SYSTEM MENU.



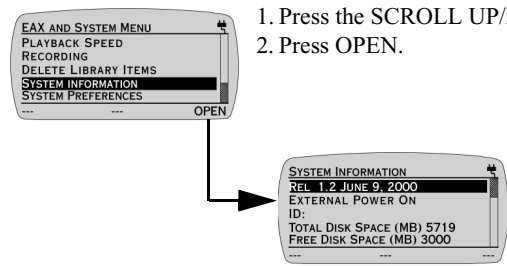
Viewing System Information



The System Information screen is for display only. You cannot adjust any of the settings except the ID. To change the ID, start PlayCenter 2, go to NOMAD Jukebox Window and click Settings on the toolbar. Type a new ID and click OK.

The SYSTEM INFORMATION screen provides useful data on your Jukebox's power consumption, disk space, and number of audio tracks and albums stored. The release number and date of your Jukebox is also shown. You can also view your Jukebox's ID if you have created one using Creative's PlayCenter 2.

Begin on the EAX AND SYSTEM MENU.



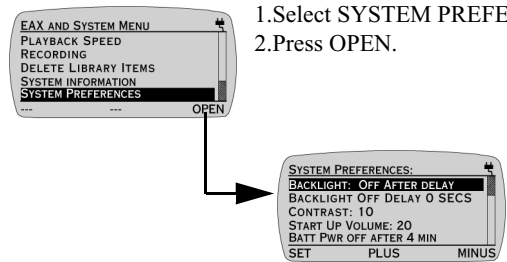
1. Press the SCROLL UP/DOWN buttons to select SYSTEM INFORMATION.
2. Press OPEN.
3. Press LIB to return to the LIBRARY CATEGORIES screen.
Press EAX to return to the EAX and System Menu screen.

Adjusting System Preferences



You can set the LCD Backlight to ALWAYS ON, ALWAYS OFF, or OFF AFTER DELAY. If OFF AFTER DELAY is selected, the BACKLIGHT OFF DELAY setting appears to configure the backlight to turn off 10 to 300 seconds after your last operation. Adjustments to System Preferences are effective immediately.

The SYSTEM PREFERENCES screen allows you to adjust some of the Jukebox's overall functions, such as the LCD display's Backlight or Contrast settings, preferred startup volume, Sleep mode, Accented Characters and Novice Mode functions.



1. Select SYSTEM PREFERENCES.
2. Press OPEN.
3. Press the SCROLL UP/DOWN buttons to select a setting for adjustment.
4. Press PLUS/MINUS to adjust the setting.
5. Press SET to save the adjustment(s).

Using Your NOMAD Jukebox Software in Windows


This chapter describes only the basic tasks available with PlayCenter 2. Use the NOMAD Jukebox Tutorial to learn the PlayCenter 2 fundamentals—click the Start button on the Windows Taskbar, select Programs, select Creative, select Creative PlayCenter 2, and click on NOMAD Jukebox Tutorial. For more information, see the PlayCenter 2 Help file by clicking the question mark (?) on the PlayCenter 2; or click Start on the Taskbar, choose Programs, choose Creative, choose PlayCenter 2, and click on Creative PlayCenter 2 Help.

PlayCenter 2



When NOMAD Jukebox is connected to your computer, you must use PlayCenter 2 to control the Jukebox.

Creative PlayCenter 2 allows you to manage the contents on your NOMAD Jukebox:

- Play MP3 files on the Jukebox.
-  View and manage the contents of the NOMAD Jukebox.
- Upload non-protected MP3 files and other files to the NOMAD Jukebox.
- Download the contents (except protected MP3 files) to the computer.

To open PlayCenter 2:

1. Connect NOMAD Jukebox to your computer. (See “Step 2: Connect NOMAD Jukebox to Your PC or Mac” on page 6.)
2. You can start PlayCenter 2 by either of the following methods:
 - Double-click on the PlayCenter 2 icon on the Windows Desktop.
 - Click Start on the Windows Taskbar, select Programs, select Creative, select Creative PlayCenter 2, and click on Creative PlayCenter 2.






You must be connected to the Internet to retrieve an audio CD's information from CDDDB².


To retrieve information each time you insert an audio CD, enable "Always get the information of an audio CD from CDDDB" in the Settings dialog.

See "Using CDDDB" in the on-line help for more information.


To access help information:

1. On the PlayCenter 2, click the question mark (?) in the upper right corner.
2. On the Help screen, double-click the book  icon to display additional topics.

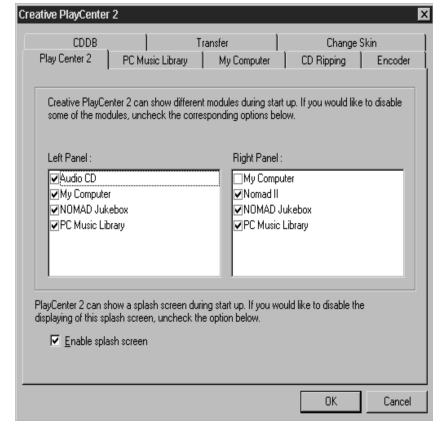
To change PlayCenter 2 settings:

1. Click on the Settings  button to display the Setting dialog.
2. Click on one of the tabs to display the dialog on which changes can be made to PlayCenter 2:
 - PlayCenter 2: Selects modules (Audio CD, My Computer, NOMAD Jukebox, PC Music Library) to be displayed on either panel.
 - PC Music Library: Assign folder for storing files on your PC's hard disk drive.
 - My Computer: Select the types of media files that you want PlayCenter 2 to display.
 - CD Ripping: Configure a CD-ROM drive for digital audio extraction.
 - Encoder: Select compression method.
 - CDDDB: Select whether or not to automatically retrieve CDDDB information for audio CD.
 - Transfer: Select options for file transfer.

To play a track using PlayCenter 2:

1. Click the NOMAD Jukebox button.
2. Double-click All Tracks to display all of the tracks available.
3. Select a track from the list and press the play  button at the bottom of the window.


You may listen to the track only through devices attached to the Jukebox, such as headphones or speakers.



Changing Skins

The PlayCenter 2 display is excellent for managing and transferring files between your NOMAD Jukebox and your PC. However, the alternate *skins* provide a more user-friendly access to playing and listening to tracks while connected to the computer.

To change the PlayCenter 2 skin:

1. On the PlayCenter 2 display, click the Settings button.
2. Click on the Change Skin tab.
3. On the Change Skin tab page, select the skin that appeals to you. Each skin is previewed as you select it in the list of available skins. When the skin you want is shown in the preview, click OK to return to PlayCenter 2.
4. To switch to the skin you have chosen, click the Skin icon  on the PlayCenter 2 display.



Managing Files

You can use the PlayCenter 2 to convert and transfer files between the Jukebox and your computer, add or delete files, connect to the NOMAD web site, and upgrade the Jukebox's firmware.

Converting and Transferring Files



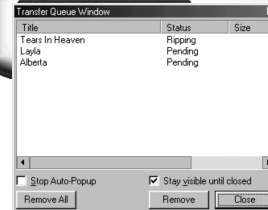
If there is no button for the destination, click on the Settings button and click on the PlayCenter 2 tab to choose the modules you want to display in the PlayCenter 2 windows.

To convert CD audio tracks to MP3 on your hard disk drive:

1. Insert an audio CD into your CD-ROM drive.
2. Click the Audio CD button to the left of the track list window.
3. Select the drive in which the CD was placed. The list of tracks on the CD are displayed in the track list window.



- Click TRANSFER/RIP on the right side of the PlayCenter 2 and select the destination for the converted tracks, for example, Music Library.
- Select the track(s) to be converted and transferred to your NOMAD Jukebox (or to your PC's hard disk drive).
- PlayCenter 2 shows the status of the selected tracks in the Transfer Queue window.



To copy files from your hard disk to the Jukebox:

- On the PC Music Library window, select the tracks to be uploaded to the Jukebox.
- Click the arrow button pointing to the Jukebox window.

The Transfer Queue scale at the bottom of the PC Music Library window displays the status of the transfer.



To transfer files from the Jukebox to your computer:

- In the My Computer window, open the folder to which you want to copy the file from the Player.
- Select the file in the Player that you want to copy to your PC's hard disk (or other destination).
- Click the Upload button on the NOMAD Jukebox window to copy the file to your PC.



Deleting Files

To delete files from NOMAD Jukebox:

1. In the NOMAD Jukebox window, select the file to be deleted.
2. Click on the Delete icon to permanently remove the file from NOMAD Jukebox.

To delete files from your computer's hard disk:

1. In the My Computer window, select the file to be deleted.
2. Click on the Delete icon to permanently remove the file from your computer's hard disk. You are asked to confirm the deletion.

Creating Play Lists

After you create a play list on your computer, you can copy it to the Jukebox.

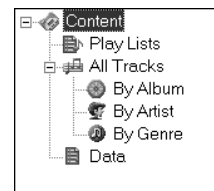
To create a play list on the Jukebox:

1. Click the NOMAD Jukebox button on PlayCenter 2.
2. Click the NOMAD Jukebox menu.
3. On the menu, select Play List.
4. Click New on the PlayCenter 2 Toolbar.
5. In the Play List 1 box, enter a title for your play list.

6. In the My Computer window, display a music library containing the track(s) you want to add to the play list.
7. Select the track(s) you want to add to the play list.
8. Click the left arrow button to add the track(s) to the play list. If the track(s) are located on your computer, they are copied to the Jukebox.

To create a play list on your computer:

1. Click the PC Music Library button on the PlayCenter 2 window.
2. Click Play Lists in the PC Music Library window.
3. Click New.
4. In the Play List 1 box, enter a new name for the play list.
5. Follow the instructions above, from Step 6 to Step 8.



Connecting to the NOMAD Web Site

To connect to the NOMAD web site:

1. Click on the Internet button on PlayCenter 2.
Or, type the URL address (**www.nomadworld.com**) into your browser's Location box and press the ENTER key.

You must have a Internet service provider in order to make the Internet connection.

Upgrading NOMAD Jukebox's Firmware

To upgrade the NOMAD Jukebox:

1. Click on the Internet button on PlayCenter 2.
Or, type the URL address (**www.nomadworld.com**) into your browser's Location box and press the ENTER key.
2. On the NOMADWorld home page, click on Software Downloads.
3. Under Downloads, look for an upgrade to NOMAD Jukebox (or PlayCenter 2). Follow the instructions on the web site to download the upgrade file.

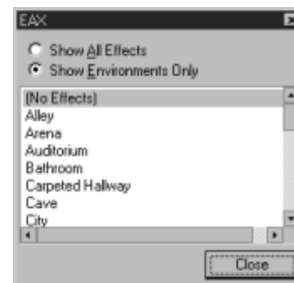
Environmental Audio

You may use Environmental Audio effects when recording a title from an input source, such as a CD-ROM. To include effects, display the Recorder Settings dialog and enable CD Recording Mode, Analog; and choose an effect. When you include the effect with the recording, it remains in the file; you must re-record the title to remove the effect.

In the Playlist, highlight the title to which you want to add Environmental Audio effects and right-click on it. If you add Environmental Audio effects, the title in the Playlist is preceded by "EA."

To enhance an audio file or audio CD track with EAX:

1. Select the track to be enhanced with an EAX environment.
2. Click the EAX button to display the EAX menu.
3. Select the Effects or Environment option.
4. Click on an Effect/Environment.
5. Click on the Rip To arrow to convert the file with the EAX enhancement.



Using SoundJam™ MP with Macintosh OS

SoundJam MP is the ultimate MP3 music center—play all MP3 files, in any order, with a 10-band graphic equalizer to make the sound quality exactly what you want. SoundJam can also:

- Display animated graphics.
- Change its look, “skin,” at your command.
- Play music CDs with visuals.
- Convert almost any kind of sound file, including those on your favorite CDs, into MP3 files that you can transfer to your NOMAD Jukebox.
- Download new MP3 files directly from the Internet with the built-in Web menu.
- Play streaming music from the Internet—live broadcasts as well as commercial recordings that come in the form of real-time transmissions, not downloadable files.
- Automatically fill in the names of your CDs, songs and artists by linking to CDDDB, the Internet’s massive CD-ROM information database.
- Serve as a database of your own music. Sort by song name, artist name, album, and much more.

With SoundJam installed there are several methods for opening and playing a music file:

- Double-clicking the files opened or created in SoundJam.
- Dragging the file’s icon over the SoundJam icon.
Or, with SoundJam or a SoundJam window open, dragging the file icon—or even the folder—to SoundJam or the SoundJam window.

SoundJam MP and NOMAD Jukebox

NOMAD Jukebox WINDOW

When SoundJam MP is installed on your Mac and the NOMAD Jukebox is correctly connected to your Mac, the main NOMAD screen appears and an entry for the Nomad window is added to SoundJam's Window menu.

Voice files created with the NOMAD Jukebox have a file name extension of .NVF. SoundJam can manipulate and play .NVF files in the same way it works with any other file.

NOMAD Jukebox Logo: Click this logo to launch your Web browser and access the Creative Labs NOMAD Web site: www.nomadworld.com. It includes music downloads, information about the Nomad hardware and accessories, and more.

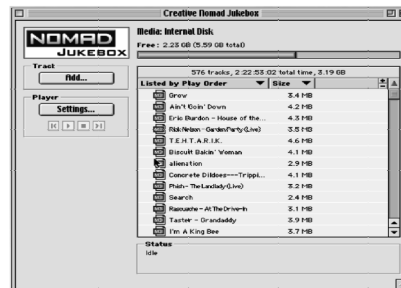
Content Gauge: The content gauge monitors the memory in your NOMAD Jukebox.

Playlist: In the NOMAD Jukebox playlist, the first column lets you list tracks by album, artist, genre, name, size or time. The subsequent columns also allow you to list tracks by these categories. The display at the top of the playlist tells you how many items are in the playlist and how much space the files require.

MP3 file names in the NOMAD Jukebox playlist appear with a maximum of eight characters followed by the .MP3 file name extension. When the NOMAD Jukebox actually plays the files, the song's full title is displayed.

Add...: Clicking this button brings up the standard Macintosh get file dialog box, where you can select files that you want to add to the playlist. It's much easier, however, to simply drag files from another SoundJam playlist or the Macintosh Finder into the NOMAD Jukebox playlist. As soon as you drag the files, SoundJam transfers the files to the NOMAD Jukebox, and keeps you updated on the transfer's progress.

Settings...: Clicking this button brings up a window where you can select the bass, treble, balance and volume of your NOMAD Jukebox.



Opening SoundJam

Once SoundJam is properly installed on your hard disk drive, it is ready for you to run and enjoy. See “Step 4: Install Software” on page 7 for installation instructions.

To open SoundJam:

1. Double-click on the SoundJam MP icon to start the program.



SoundJam Controls

The SoundJam control panel contains a volume slider, play and stop buttons, a counter, and other features. The illustration below identifies the controls most useful to you.

Track Information: Toggles between the track title, album, and artist if available.

Opens the Play list window.

Play Status: The box (or handle) on the progress bar indicates the current point in the track being played. You can replay or skip sections of the track by dragging the box with the mouse.

Opens the information window

Bass and Treble sliders. Adjusting these controls will deactivate the graphic equalizer

Opens the Equalizer window

▶ Play
□ Stop
|| Pause
◀ Previous
▶ Next
⏏ Eject the CD-ROM

Plays tracks in the playlist randomly.

Press once to repeat the current track Press again to repeat the entire play list. Press a third time to play the current track normally.

Converting CD Audio to MP3

There are several ways to convert music from a CD to MP3. The following instructions represent one of the preferred methods.

To convert CD audio tracks to MP3 files:

1. Insert a CD into your CD-ROM drive.
2. On the Window menu, choose Audio CD (or the name of the CD).
3. Click the name of a track that you want to convert to MP3.
4. Click Add to Converter.
5. When you have added all of the files you want to convert into the Converter, select “SoundJam MP3 Encoder” from the “Convert using” menu. Then, click on the “Start converting” button.

This conversion uses the default configuration. You may want to change the configuration later, but for now the default settings will supply excellent quality MP3 files for your NOMAD Jukebox.

The “Start converting” button changes to “Stop converting” and the progress of the file conversion is shown in a bar on the lower left of the window.

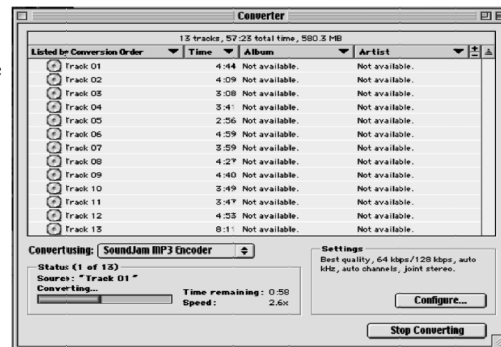
6. When the conversion is complete, the play list window reopens displaying the newly converted MP3 files.
7. Connect the NOMAD Jukebox to your Mac; the NOMAD Jukebox window opens automatically.
8. Select the files in the SoundJam playlist that you want to load into the NOMAD Jukebox and drag them into the NOMAD Jukebox playlist.

Or, click Add in the NOMAD Jukebox window and select the files you want to load into the Player.

9. Once the files are in the NOMAD Jukebox window, they are automatically transferred to the Player.

Other methods that you can use to convert CD tracks to MP3 files include:

- On the Windows menu, choose Converter. Insert a CD in your CD-ROM drive. When CD-ROM drive icon is displayed on the desktop, double-click on it. Select the icons representing the tracks you want to convert and drag them into the Converter window.
- On the Window menu, choose Converter. Open a playlist of the tracks you want to convert. Drag the track names from the playlist into the Converter.



Technical Specifications

NOMAD Jukebox (DAP-6G01)

Size (W x H x D)

- 5.5" x 5" x 1.5"

Weight

- 14 oz without batteries

Memory

- 8 MB DRAM buffer

Capacity

- 6 GB hard drive (100 hours at 128Kbps encoding)

Battery Life (playback time)

- Four hours of continuous playback from fully charged NiMH batteries for tracks encoded at 128Kbps
- The following may reduce the playback time:
 - Tracks encoded at greater than 128Kbps
 - EAX selected (set to ON)
 - Use of operations (such as skip forward/reverse) during playback
 - Passive speakers or high-power headphones
 - Backlight set for more than 10 (default) seconds

Interface

- USB digital data port offering up to 3.2 MBps transfer rate

Playback Formats

- MP3, WMA and WAV*

Signal to Noise

- >90 dB

* Future audio codec support, firmware upgrades, and SDMI compliance will be available from www.nomadworld.com

Frequency Response

- 20 Hz~20000 Hz

Harmonic Distortion

- <0.1%

Operating System/Firmware

- Upgradeable via Internet

Line Input

- 1/8" stereo minijack

Line outputs

- Two 1/8" stereo minijacks for front and rear speakers

Headphone Out

- 1/8" stereo minijack, 100 mW

LCD Display

- Large 132 x 64 pixel backlit display

Data Connector

- USB

EAX

- Environment effects
- Parametric equalization
- 3D spatialized headphones
- 4-channel surround and playback speed

Playback Speed

- Up to two times faster or slower for audio book content, WAV files and up to two times slower for MP3 audio playback

**Audio Codec Support**

- MPEG Audio Layer 3 (MP3), WAV, WMA and future formats*

SDMI Compliance

- Hardware ready*

* Future audio codec support, firmware upgrades, and SDMI compliance will be available from www.nomadworld.com

Troubleshooting

There is no display on the LCD.

Causes

- The rechargeable NiMH batteries are not inserted correctly according to the polarities indicated on NOMAD Jukebox.
- The batteries are too weak.

Solutions

- Check the polarities on the batteries and re-insert them according to the polarities on NOMAD Jukebox.
- Recharge the batteries.

The message “Creative Personal Digital Entertainment” or “Preparing Library” appears on the LCD and remains displayed for more than 1 minute.

Cause

NOMAD Jukebox has stopped responding.

Solution

Follow these steps:

1. Ensure that the power cable is attached to NOMAD Jukebox or the rechargeable batteries have sufficient power.
2. Insert and push a straightened paper clip into the Reset hole.
3. NOMAD Jukebox’s LCD becomes blank. Press and hold the Play button to turn on NOMAD Jukebox.
4. If you continue to encounter this problem, call Technical Support.

Four new alkaline batteries produced less than one hour of playback on my NOMAD Jukebox.

Cause

Due to the high-power consumption of NOMAD Jukebox, alkaline batteries are *not* recommended for NOMAD Jukebox. The power from alkaline batteries is consumed much faster than power from rechargeable NiMH batteries.

Solution

Purchase additional Creative NiMH batteries and ensure that they are fully charged before using them with NOMAD Jukebox.

NOMAD Jukebox experiences problems when using other rechargeable batteries such as NiCd or rechargeable alkaline batteries.

Cause

NOMAD Jukebox was designed to operate with rechargeable NiMH batteries.

Solution

Only Creative NiMH batteries ensures optimum performance for your NOMAD Jukebox.

NOMAD Jukebox displays a message when switching between LIBRARY CATEGORIES, EAX AND SYSTEM MENU, and ACTIVE QUEUE LIST screens.

Cause

Novice Mode is selected (ON) on the SYSTEM PREFERENCES screen (EAX AND SYSTEM MENU).

Solution

Select SYSTEM PREFERENCES and the select Novice Mode. Press PLUS/MINUS to select OFF; press SET to save the setting.