

# Numark iDJ<sup>2</sup>

Firmware Update v1.13 2009-02-13

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## Installation

iDJ<sup>2</sup> features a failsafe upgrade procedure. Should an upgrade fail part way through for any reason (including loss of power) the upgrade process should be restarted from the beginning. However, for your convenience we recommend that you take care to ensure that power is not interrupted until the process is complete.

1. Download the firmware upgrade and the latest release of Librarian to your computer. These are packaged in the file iDJ2\_v1\_13\_Update.zip. You must extract the files from the zip.
2. Copy the iDJ2\_v1\_13.upg file to the top level of a FAT formatted USB storage device. You should erase any earlier .upg files from the device. Take care to copy the **.upg** file and not the .zip!
3. With the iDJ<sup>2</sup> powered off, connect the USB device to any USB port.
4. Remove any other connected storage devices.
5. With the DC power jack connected, press and hold the power button until you see the message "Waiting for Media" on screen. This will take about four seconds, after which you can release the power button. If the unit does not display this message switch off and try again, taking care not to release the power button too early.
6. After a few seconds, provided iDJ<sup>2</sup> is able to locate the upgrade file, the message "Any key updates to version ..." will be displayed. The version of the firmware upgrade is indicated.
7. Press one of the player buttons, for example one of the menu buttons.
8. The firmware upgrade will be loaded, a process which can take up to about a minute. After several seconds a progress indicator will be shown to give you an idea of the work remaining.
9. Once the update procedure has completed a message will confirm successful loading. Select OK and the unit will switch off.
10. If you haven't already done so, install Librarian v1.50 to your PC or Mac. Select the appropriate installer from the Librarian folder: NumarkLibrarian\_v1\_50\_Mac.dmg for Macintosh or NumarkLibrarian\_v1\_50\_PC.exe for Windows.
11. Run the Librarian program and rebuild the libraries on your music devices. Please refer to the release notes below.

## What's New in v1.13

Fixed an issue whereby the eject window would not always reflect the correct status of a device.

## What's New in v1.12

Added a demonstration mode, so new users can easily learn how to operate the unit. The demonstration will be launched automatically after two minutes of inactivity. You can disable this by selecting the "Demo" page on the Utility screen.

Fixed an issue whereby throwing a track to both decks simultaneously from the file browser on a device without a library could cause unit to fail.

## What's New in v1.11

Implemented CD ripping feature, whereby audio CD tracks may be ripped to a writable library in WAV format. Individual tracks may be copied by highlighting one in the Track list and selecting Copy from the second page of the soft menu. An entire album may be copied by highlighting it from the Album list and selecting Copy. A progress indicator is shown at the bottom of the screen while ripping is in progress, and may also be reviewed from the Copying window accessed from the Utility screen. From here you may view the list of tracks in the queue, Remove individual tracks or Cancel the entire operation. While

this feature can run concurrently with other player functionality, we recommend against ripping while performing live.

Implemented CD tag editing feature, whereby the metadata for a CD track or an entire album may be edited from the player. This should be done prior to ripping to a library if the default tags ("Track 1" etc) are not desirable). The tags will be written to the ripped WAV files in RIFF metadata format. To edit tags, highlight a track or album and select Edit from the second page of the soft menu. Scroll to the required field and use the keyboard or scroll wheel text entry to enter data. When editing an album, the Album, Artist, Genre and Year fields are common to all tracks while a Track Title field is listed for each track on the CD.

Implemented a "CD style" jog mode option for cueing tracks while paused. Set the option for each deck via the Control tab of the Mode window. Choose between "Vinyl" (the default) and "CD". In CD mode turning the jog wheel will cause playback to loop over a short section of audio which can be advanced or retarded through the track. This method of cueing maybe preferable to those used to mixing with CD players.

Improved resilience to audio dropouts.

Improved optical media support including data DVD and multi-session CD playback.

The Eject window now lists connected devices rather than libraries. A device with several partitions can be ejected with one operation.

Added an option to send all search results to the crate or to a playlist.

Support for low bitrate mono AAC content such as iTunes Podcasts.

Support for mono WAV files.

Fixed an issue whereby CD playback could stutter after leaving a track paused long enough for the drive to spin down. The drive is now kept spun up at all times while a disc is loaded.

Fixed an issue that could occasionally crash the player when spinning the rotary control quickly in the Track Info display.

Fixed an issue whereby loading a large data CD volume after previously loading a smaller volume would cause some content to be unplayable from the larger volume.

For USB keyboards, the right-hand Alt and Ctrl keys now work.

The keyboard can now be used to jump direct to the initial letter of content in library lists, for example pressing D will jump direct to the first entry starting with that letter. The letter picker index must be built first, so where Librarian has not been used this feature may not be available instantly the first time the list is accessed.

Changing pitch range no longer obscures the BPM display.

Some cosmetic improvements of various pop-up windows.

Improved stability when unsafely disconnecting a device (but that doesn't mean you should do it!).

Fixed an issue whereby ejecting an HFS+ formatted iPod could occasionally result in a dirty filesystem.

**Firmware v1.10 was not released to customers.**

### **What's New in v1.09a**

Fixed an issue that prevented successfully entering iPod Direct mode in some cases.

### **What's New in v1.09**

Implemented support for USB CD/DVD drives, for playback of audio CDs and data CDs/DVDs. When inserted, discs appear as volumes in the Library and tracks can be sent to a deck or the crate as if from a hard disk. To send an entire audio CD to the crate, use the Library Album browser and press To Crate at album level. For data discs the Librarian "build in folder" feature can be used to build a library on hard disk before burning the tracks and .library folder to CD or DVD. Simultaneous playback of two tracks from the same CD or DVD is not recommended.

Substantial improvements to Library Search performance. Search results are now returned within a few seconds even for libraries with tens of thousands of tracks. The data necessary to support this is prepared during a library build by Librarian. It is necessary to update earlier libraries before they can be used with this firmware, and it should be noted that the Search feature is no longer available for libraries built on the player.

Implemented silence removal for continuous playback modes. Consecutive tracks will now play back to back without a gap. This eliminates the moment of silence inserted at the start and end of tracks by many MP3 and AAC encoders, allowing for uninterrupted playback of continuous mix albums. Silence parameters are calculated by Librarian during BPM and Profile generation, or on the product the first time a track is played. It is recommended to use Librarian to update the library to ensure gapless playback in all circumstances.

Library Search and Crate lists now display additional columns of information to help identify each track. The crate shows title, artist and duration while search lists show the field appropriate to the current search criteria.

Tags starting "The " are now sorted by the first character of the next word, for example "The Beatles" and "Beatles" will be recognized as equivalent and sorted under "B".

Implemented Repeat play mode. This repeats the track on deck continuously, and is enabled from each Mode window.

Pitch adjustment is now shown to two decimal places for 6%, 12% and 25% ranges. The pitch slider has always been processed to this level of accuracy, but previously the display was rounded to one decimal place.

Added support for implied decimal BPM tags, written by some DJ applications. BPM values >1000 are divided by 100 on import.

Cosmetic enhancements to soft menu buttons, multi-page (tabbed) windows and popup windows.

Tracks with no stored BPM no longer appear as "?" in the Library BPM browser.

The iPod database importer no longer stores zero in empty BPM and year tags.

Now only the Automatic play mode causes the next track to load if paused before (but near) the end of the track. Continuous and cyclic modes only proceed to the next track if the previous tracks has played fully to the end.

Ctrl-Left and Ctrl-Right presses in the Library Search window are now consistent with other windows.

Changes to the pitch range in the Mode window now take effect when the window closes rather than immediately.

The number of tracks in the crate are now displayed in the title bar.

Option selection controls no longer wrap around at each end.

The time code display is now completely smooth.

The default screen brightness after restoring factory settings is now maximum.

The iPod dock is now referred to as "Dock" in the Library.

Fixed a stability issue with HFS+ formatted devices.

The letter picker now also works for BPM ranges in the Library BPM browser.

The keyboard arrow keys now navigate through tracks in the Info window.

iPod Direct mode now honors the Fader Start setting.

Fixed an issue whereby a multi-partition drive with a different volume\_name.txt file on each partition resulted in incorrect Library operation.

Track listings under "All" and "Unknown" are now correctly ordered alphabetically.

Improved Letter Picker performance on large volumes.

Improved performance sending tracks to a deck or to the crate from the Library File browser.

Fixed various stability issues with the Library Playlists browser.

When both decks are in cyclic play mode, and both tracks end at almost the same instant, the next track will no longer be loaded onto both decks.

Long filenames and paths now properly truncate in the the Info window.

Ejecting an iPod during a library build now works every time.  
Exiting the Info window by pressing Library now works correctly.

Cascading hubs (i.e. hubs connected to hubs) are now supported. This is primarily to support devices with internal hubs which may be connected to an external hub, however it is still recommended in general to avoid cascading external hubs.

Added Genre and BPM tags to Info window.

Fixed stability issues with the Crate on fast repetitive operations such as rapidly removing tracks, or playing a series of very short tracks in cyclic mode.

Fixed stability issues with the Library, in particular a rare crash when sending a track to a deck.

Optimized the AAC decoder for improved product performance when playing M4A tracks.

Improved AAC (M4A) decoder robustness.

Improved WAV decoder robustness when playing truncated tracks.

Improved detection and rejection of invalid files such as Apple Lossless files within an M4A container. These will not now be imported into the library.

Improved disk spin down prevention, so most (if not all) hard drives will no longer spin down after a period of inactivity. This prevents potential breakup of audio when playing back during spin up.

The Keylock setting is now stored across power cycles.

Improved tolerance of badly corrupted file systems which previously resulted in product instability.

Fixed an issue where switching to iPod Direct mode with a 6<sup>th</sup> generation iPod caused an improper ejection warning.

Removed "cleaning" library import stage from the product. The importer will no longer take (a long) time during an update to check for tracks that have been removed. If you attempt to play a removed track nothing bad will happen. The cleaning stage is now an option within Librarian.

Changed the way seek tables and track profiles are stored on disk, saving a large amount of disk space on large volumes and improving track loading performance.

Pressing View while a popup is open no longer causes the view to cycle even though it is not visible.

The Library BPM browser list no longer regenerates every time a track is sent to a deck, unless a BPM tag is updated by the Beatkeeper in the interim.

New searches now make the search list cursor revert to the top of the list.

Tracks with leading or trailing spaces in a tag now sort into the correct order in browser lists.

The ID3v1 tag parser is now more robust against tags incorrectly padded with spaces rather than Nulls.

Devices are now correctly ejected during the power down sequence, eliminating a problem with HFS+ file systems becoming read only until connected to a Mac.

Improved performance scrolling through tracks from the Track Info window.

Implemented more detailed progress reporting during library import.

### **What's New in v1.08**

Fixed an issue whereby button presses would occasionally operate an unrelated function.

Fixed the sort order for "All" lists in the Library.

### **What's New in v1.07**

The correct iDJ2 update URL is now shown in Utility/Updates.

Fixed an issue whereby multiple artist fields, if present, could take precedence over the main artist. With some media programs this made it likely that the artist for a track from a compilation CD would be imported as "Various Artists" instead of the track artist.

### **End of Release Note.**