Numark D² Director

Firmware Update v1.08 2007-10-09

Copyright © Numark Industries Inc. 2007

Installation

D² Director 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 D2_v1_08_Update.zip. You must extract the files from the zip.

2. Copy the D2_v1_08.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 D² Director 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 D² Director 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 any button (except power!).

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, now install Librarian v1.33 to your PC or Mac. Select the appropriate installer from the Librarian folder: NumarkLibrarian_v1_33_Mac.dmg for Macintosh or NumarkLibrarian_v1_33_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 v1.08

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

Implemented Key Lock. This feature causes the pitch fader to adjust the speed of the track while maintaining the key. Switch it on or off from the Mode window for each deck, or press and hold the appropriate Pitch Range button. Note that the key will be locked at the current pitch setting – if you want the original pitch set the fader to the center position before enabling Key Lock. If there is a shift applied to the deck when Key Lock is disengaged, the Key Lock icon will blink. The shift resets when the track changes.

Reorganized the mode window into two pages, with pitch and key lock on the first page and everything else on the second.

Added Latin-1 characters to the font, which includes most European international characters.
European and other special characters now sort into the appropriate order for their base character (see the list below).

European and other special characters now fold together in lists. In other words, Björk and Bjork are considered interchangeable and will appear once only in a list, with the superset of their albums and tracks under that entry.

Search results now match international characters to their base character. For example, searching for artist Björk will return tracks by Björk, Bjork, Bjôrk and bjork. This also works for certain special characters which cannot easily be typed into the search field.

The full equivalence list for sorting and searching is as follows:

- À, Á, Â, Ã, Ä, Å, à, á, â, ã, ä, å are treated as A
- Ç and ç are treated as C
- È, É, Ê, Ë, è, é, ê, ë are treated as E
- Ì, Í, Î, Ï, ì, í, î, ï are treated as I
- Ò, Ó, Ô, Õ, Ö, Ø, ò, ó, ô, õ, ö, ø are treated as O
- Ù, Ú, Û, Ü, ù, ú, û, ü are treated as U
- ß is treated as S
- ¢ £ € ¤ ¥ are treated as $
- © is treated as (C)
- « » are treated as "
- µ is treated as u
- · is treated as .
- ¡ is treated as !
- ¿ is treated as ?
- Æ æ are treated as AE
- Œ œ are treated as OE
- Ð ð are treated as DH
- Þ þ are treated as TH
- ß is treated as SS
- × is treated as *
- ÷ is treated as /

The BeatKeeper now saves the beat and phase information for a track to the library so next time the track is played the beat is shown immediately.

Librarian will now calculate BPM values for tracks if you select the Build Profiles option. If you want to calculate BPM values for tracks which already have profiles, you must select the *Force Total Rebuild* and *Build Profiles* options. This could take several hours for a large library and playlists created using the unit will be lost.

When editing a text field, pressing Esc on the keyboard will now cancel the changes and restore the original value.

When building a library on an iPod, the iTunes database is now parsed instead of visiting every track on the device. This makes import much faster for an iPod than previously.

iTunes playlists are now imported from the iPod database. These can be identified by the tag [iTunes] in front of their title.

Track fields with no data are now shown as blank instead of "Unknown".

The player now starts up in Library view instead of Crate.

Re-ordering tracks in the crate or in a playlist is now much faster.

Fixed an issue whereby an unnecessary extra search would be performed after switching library.

Changed the default search from "All" to "Title" (which is much faster to execute).

The "Unknown" lists under Artist, Album etc now populate with the content you would expect.

Hitting Enter on the keyboard now drills out of, as well as into, the Track Details window.

Fixed an issue whereby the player would occasionally fail to detect that a device had been disconnected (without ejecting), leading to stability issues if the same device was reinserted.

Search results can now be navigated from the Track Details window, as with other lists.
Tweaked the device mounter so that USB keys with slightly suspect firmware now have a more useful identifier than "?".

Fixed an issue whereby, in rare circumstances, audio could drop out at the start of a loop.
Playlists are no longer duplicated in the Library when modified on the PC.

Added time markers to the profile view, and tweaked the mechanism for activating a track for phrase navigation.

The unit no longer crashes when a device is disconnected while the Library is accessing it.

The UI now remains responsive while sending a large list of tracks to the crate.

Added a shuffle feature to the crate. Each time shuffle is pressed the running order will be randomly reset. If you don't like the new order, simply hit shuffle again.

Fixed an instability with recently created HFS+ volumes.

Releases 1.04 – 1.06 were internal or limited distribution.
Changes are rolled into the 1.07 notes above.

What Was New in v1.03

Fixed an issue where tracks with invalid frame lengths would be rejected as invalid and not play back. This caused many otherwise playable tracks to become unplayable. The player and Librarian both now handle tracks with this problem and only seriously damaged tracks are rejected.

What Was New in v1.02

Start up time has been improved by about four seconds.

The library internal format has changed in this release. If an older format library is connected the player will offer to update it to the new format. A new Librarian release is available now and can also update your old libraries (this is the fastest option).

Implemented better USB flash memory key support, especially for old, slow or unreliable devices.

Implemented instant start for tracks with silent or near-silent lead-ins. As with Numark CD players, such tracks now automatically cue to the start of the audio passage when loaded to a deck. You can search or freewheel back into the silent passage if you wish to do so.

Improved scratch behavior so the time code no longer creeps forward while scratching during playback.

The file browser is now much faster and no longer causes playback to glitch while navigating large folders.

Implemented a letter picker for navigating large lists in the Library more quickly. Press and rotate (while holding in) the rotary control to bring up the letter picker - each click moves by one initial letter at a time. Only letters actually used in the list will appear. When the control is released the list jumps to the first entry with the selected initial letter. It takes a few seconds to index a very large list so if you see the stopwatch icon wait a moment and try again.

Various beatkeeper improvements:
- Improved BPM detection accuracy
- Beatkeeper indicator now correctly tracks looping/scratching
- Fixed problem with occasionally skipping a beat
- Tap can now be used immediately the track starts
- Tap now works while looping

In Library track lists, pressing the rotary control now invokes the Info function. Pressing again within Info is now equivalent to Back.

Re-implemented the Library BPM browser to be more like that of the Numark HDX. This offers a more useful range of BPMs to choose from, and then opens a list of all tracks sorted by BPM with the highlight at the first track within the selected range. The BPM of each track is included as a column in the list.

The Crate now has a Swap function for each deck. It swaps the highlighted track with the track on the selected deck. This function has replaced Pull on the first page of the Crate menu - Pull can now be found on the second page.

The current item in a list now remains highlighted even when the focus is on another control, such as the criteria field in the Library search window.

The Library search text entry field is now cleared when starting a new search.

If a Library search yields no results, this is now indicated on screen.

The previous search string is now cleared when re-entering the Library search control.

Changing the Library search field before the previous search completes no longer causes a system error.

The highlighted item in a list now shows a right arrow if it can be selected to open a sub-list.

Added icons to each desk display to indicate the current play mode (automatic, continuous and cyclic). No icon is shown if the play mode is set to manual.

The automatic play modes (automatic, continuous and cyclic) will now advance to the next track when pause is pressed after playing through at least 75% of the current track. It is no longer necessary to also be within 20 seconds of the end.

When entering text using the rotary control, the next character is now previewed at the right side of the text box. This is to eliminate confusion over which characters have been entered already.

When connecting multiple devices at the same time (or powering on with multiple devices connected) the various library notification windows now appear in a sensible order.

The track progress bar no longer jumps by a pixel when a track is loaded.

The library builder no longer attempts to import tracks from the Mac .trashes folder.

The library builder now correctly identifies that a library built by Librarian is up to date and does not attempt to re-import all the tracks.

Tracks with invalid genre tags can now be properly imported into the library. Previously these tracks were listed by filename instead of title (which looked very odd if they were from an iPod).

AppleDouble files are no longer imported into the Library.

Added graphics to the pitch fader calibration screen to make it clearer which direction to move the faders at each step.

Spinning the jog wheel very fast in search mode no longer causes the deck to start searching backwards.

Added the USB port number to Track Info.

The folder has been split out from the filename in Track Info so files nested deep in the file system can be quickly identified.

Adding a track or tracks to the crate no longer causes the UI to pause for a moment.

The Apple iPod® now correctly exits from "Do not disconnect" mode after ejection.

Fixed a problem where a deck could sometimes not start playback after attempting to search within the track during seek table generation.

Fixed a problem where spinning the jog wheel on an empty deck could cause a system error.

Fixed a problem where confirming the ejection of a device with tracks in the crate after having pulled out the device could cause a system error.

The keyboard arrows keys can now be used to reorder tracks in a playlist or in the crate. To activate re-ordering from the keyboard simply press Return (the key equivalent of PUSH SELECT).

Removed the meaningless "Add Playlist" option from the Library search menu while using the text entry field.

Improved the performance of Clear Crate.

Improved the performance of browsing through long lists.

At power down the display now fades out nicely.

End of Release Note.