

# ALESIS ADAT HD24

## SOFTWARE RELEASE NOTES

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**Version:** 1.15  
**Date:** 3/14/03

### **New features/Changes:**

1. Utility page 13 was inserted. This new page states whether the current sample rate is required to match the sample rate of the song in order to enter record. It defaults to "YES". Setting this flag to "NO" will allow recording regardless of whether the sample rates match. It will also enable a 44.1kHz song to be controlled by the BRC.
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### **Bug fixes:**

1. Fixed bug where scrubbing (usually in the reverse direction) would often receive "Underflow" errors.
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**Version:** 1.13  
**Date:** 2/24/03

### **New features/Changes:**

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### **Bug fixes:**

1. Fixed bug where noise/crackle would appear on high channels during crossfade into play.
  2. Fixed bug where constant audio crackle would be heard on certain channels in certain normalizing modes.
  3. Improved lag time of manual punch-in when HD24 is an ADAT sync slave. Lag time is now less than a frame.
  4. Improved ADAT syncing to timecode during record when HD24 is an ADAT slave.
  5. Fixed bug where first play after stopped recording would not lock to sync timecode when HD24 is an ADAT slave.
  6. Fixed bug where pressing LOCATE from the BRC would occasionally not locate an HD24 slave and instead remain at the current sample.
  7. Fixed bug where manual stopping from the BRC would often stop recording in the HD24 slave without ending audio crossfade.
  8. Fixed bug where negative track slip values would be stored as unsigned numbers, thus resulting in large positive track slip values.
  9. Fixed bug where track slip would display 0.1 less than what was set when restoring the track display.
  10. Fixed bug where rebooting a unit with 2x Analog ADC/DACs would force input select to digital if the previous sample rate was 2x.
  11. Fixed bug where an extra press of the Input Select button was needed to change to digital after changing the Input Map from mix input to all analog.
  12. Fixed bug where one could not get to a 2X sample rate when the Input Map had mixed inputs (in digital mode with no drive selected).
  13. Fixed bug where edits are incorrectly allowed when the edit buffer is exactly full.
  14. Fixed bug where crossfades were not taken into account during calculation of edit size. This allowed certain large edits to be allowed even if there was not enough room. Furthermore it caused strange behavior thereafter of allowable edits.
  15. Fixed bug where tracks would be falsely armed (displayed LEDs but not actually armed) after exiting FTP Server mode if they were armed before entering the mode.
  16. Additional support for manufacturing.
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**Version:** 1.12  
**Date:** 12/27/02

**New features/Changes:**

1. Input Select button will now change between ANALOG, DIGITAL and MIXED mode. The mixed mode is determined by the input map on Utility page 11. If the map is set to all analog or all digital, the MIXED mode will be skipped when pressing Input Select and all banks in the map will correspond with current setting. Altering the map will automatically change the current input mode to mixed mode
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**Bug fixes:**

1. Fixed bug where “No Project Open” error occurs when not answering the Upgrade HD query and a Sync message is displayed. This would occur when powering an HD24 in a Sync chain with a ADAT FST v1.00 drive.
  2. Fixed bug where pressing drive select button when no drive is present would “disable” record enabled channels (even though the display stays enabled).
  3. Fixed bug where names ending with periods would cause unexpected actions in FTP sessions. When attempting to enter a song directory, it would revert to the parent directory.
  4. Additional support for manufacturing.
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**Version:** 1.10  
**Date:** 11/22/02

**New features/Changes:**

1. New drive file system (ADAT-FST version 1.10). New drive formats will format to version 1.10. The system is still compatible with original file system drives (v1.00) but with limited new features.
2. A drive file system upgrade feature is automatically entered when a drive with an old file system is mounted. Upgrading the drive will enable the drive to all the new features, however the drive will no longer be recognize on HD24s with previous firmware versions.
3. Project support: 99 projects, select, rename, create, and delete. To select projects, press SONG SELECT in song select mode to enter project select mode. To create projects, press NEW SONG in project select mode. To delete projects, press DELETE SONG in project select mode. (Note that HD24s with previous firmware versions will only “see” the last accessed project for ADAT-FST v1.00 drives with multiple projects.)
4. Editable user hard drive name (Utility Page 5: “HD Info”).
5. Added drive splash screen to show the drive name and the current project name.
6. Allow pasting between projects.
7. Song Move functionality (Utility Page 2: “HD Move”). Move a song to another project or within the current project.
8. One-channel normaling.
9. Pressing footswitch in the Punch In/Out jack when transport is stopped will start playing the song.
10. Inserting a normal footswitch in the LRC jack will enable PLAY/LOCATE functionality. Pressing footswitch will play when transport is stopped and will locate to the loop start (default: locate 1) when transport is playing.
11. Changes to HD Copy feature. When copying a song, the user can select the destination project and song location. Unavailable destination projects are shown with a “FULL” marker and are not selectable. Choosing “AllSongs->HDx” will copy all the songs in the current project to the other drive. Choosing “ProjXX->HDx” will create a new project on the destination drive and copy all the songs of the current project into that new project. Choosing “HDx->HDx” will create new projects on the destination drive and copy all projects and their contents to the destination drive.
12. Additional support for manufacturing.

**Features available to ADAT-FST version 1.10 drives only:**

1. 99 songs per project.
2. ATA 6 compatibility. (Previous HD24 firmware was only compatible with ATA 5 that allowed drives up to 137 GB.) ADAT-FST v1.10 allows hard drives up to 2.2

- Terabytes.
3. Added extended names (up to 64 characters).
  4. Added extended character set.
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**Bug fixes:**

1. Fixed bug where unplugging a master sync source from a slave with a 96k/88.2k song would set the system clock to an illegal 2x clock (thus causing HD timeouts and other slow responses).
  2. Fixed bug where playing songs longer than 13 hours would eventually freeze the timecode.
  3. Fixed bug where locates and other song information above 13 hours would not always function properly.
  4. Fixed bug where audio data would occasionally be one bit off from the input signal.
  5. Songs with corrupted sample rate information will now display an error message and then default to 48kHz.
  6. Fixed bug where "Edit Region Too Large for Buffer" could occur when attempting an edit after an error occurred in a previous edit.
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**Version:** 1.06  
**Date:** 9/23/02

**New features/Changes:**

1. Altered the MIDI Time Code Generation to allow for devices that ignore the absolute time code information, and only use it as a relative reference. This version of HD24 firmware should perform better in all MTC applications, but was specifically targeted to address compatibility with the Tascam DM-24. In previous versions, the DM-24 was known to have time code "drift" problems when locked to the HD24 MTC.
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**Bug fixes:**

1. None.
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**Version:** 1.05  
**Date:** 8/14/02

**New features/Changes:**

1. Altered the HD init process to allow for a wide range of HD spin-up times.
  2. Added a mute when changing from X1 to X2 clock rates (and X2 to X1 clock rates).
  3. Additional support for manufacturing.
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**Bug fixes:**

1. Fixed bug where certain record enabled tracks would remain active after switching from an 88.2kHz or 96kHz song even though its LED is off.
  2. Fixed bug where FTP transfer of an 88.2kHz or 96kHz AIFF file would contain the incorrect number of samples in its header. (This would lead to errors trying to import this track back to the HD24.)
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**Version:** 1.04  
**Date:** 3/5/02

**New features/Changes:**

1. Reorganized the FTP file structure so that entire drive or multiple song transfers would only get one file type (WAV or AIFF) instead of both file types.
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**Bug fixes:**

1. Fixed bug where certain drives (such as the IBM Deskstar) would occasionally fail

- reset when the drive had been powered off for a while.
2. Fixed FTP session to accept WAV-extended files for file transfer (such as files saved in Nuendo)
  3. Fixed MMC bug where arming tracks 17-24 from certain devices (such as FreeMIDI and DM24) would not properly arm the HD24 track.
  4. Fixed bug where removing the optical clock in 96kHz mode would produce an invalid sample rate on the internal clock.
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**Version:** 1.03  
**Date:** 1/28/02

**New features/Changes:**

1. Altered HD init process to not falsely display the "Drive has been improperly removed" message on certain drives.
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**Bug fixes:**

1. Fixed bug where recording an 88.2kHz or 96kHz sample rate song with version 1.02 would cause an "UNDERFLOW" error.
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**Version:** 1.02  
**Date:** 12/22/01

**New features/Changes:**

1. Additional support for manufacturing.
  2. The fan is disabled if no hard drive is selected and 96kHz DAC/ADC boards are not installed.
  3. Added 6-channel normaling in 88.2kHz and 96kHz sample rate modes.
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**Bug fixes:**

1. Fixed bug where system data was not fully updated to flash correctly if system information changed right before hard power down.
  2. Fixed bug where holding the soft power button to reset the unit occasionally produced bad characters on the display.
  3. Fixed bug where 96kHz DAC/ADC boards would not be recognized correctly.
  4. Fixed bugs where input normaling would not work properly in 88.2kHz or 96kHz mode.
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**Version:** 1.01  
**Date:** 11/7/01

**New features/Changes:**

1. Additional support for manufacturing.
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**Bug fixes:**

1. Fixed bug where incorrect HD free space would be displayed during song creation.
  2. Fixed bug where audio would occasionally mute if user presses PLAY with FFWD or REW.
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**Version:** 1.00  
**Date:** 8/6/01

**New features/Changes:**

1. Initial release.
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**Bug fixes:**

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