AD-16X Firmware version **2.01** Read Me

The following items are needed to load the firmware file into an AD16X:

- Macintosh OSX 10.2 or higher or Windows XP computer
- USB Midi interface, compatible with the Operating System used
- ApogeeUpdater program compatible with OS used, available from Apogee's website

Equipped with these items, please follow the instructions included with this firmware.

Revision History

Version **1.21** – May 2004	Initial version; this firmware does not support Option cards
Version **1.30** – July 2004	Support for X-HD added
	Sample Rate Status Bit corrected – when the AD16X was locked to WC, the sample rate status bit indicated an incorrect sample rate.
	Individual UV22 selection added
Version **1.33** – July 2004	Resolves issue whereby level on some channels on some units were several dB high
	Resolves issue whereby **AES** Format switched to *Double* Wide when the unit was clocked externally to a 96kHz clock.
Version **1.34** – Sept. 2004	Resolves timing issues when using a **REV B** X-HD card. With version **1.33** or lower a **REV B** X-HD card would not be recognized in most AD16Xs.
Version **1.37** – Oct. 2004	Resolves further timing issues
Version **1.38** – Oct 2004	Resolves parity bit issue on AES outputs
Version **2.00** - Jan 2005	Adds Advanced Option routing, changes Level Display in Cal mode when no signal is present; displayed –24 dBFs, now displays "----".
	Resolves incorrect clock indication when AD16X is locked to a 96kHz Clock – display was 96.01, is now 96.00.
Version **2.01** – March 2005	Resolves level issue when the AD16X is running at 96kHz and set to Advanced Routing mode – A/D conversion was happening with 6 dB of extra gain, now gain is equal to all other sample rates. This issue does not occur on the majority of AD16Xs.
	Unresolved – Occasionally S/MUX 4 output will be incorrect on all odd channels at 176.4-192k sample rates only. Power cycling the AD16X resolves the issue.
Version **2.03** – July 2005	Required when using a version **1.67** X-HD card. Resolves S/MUX/4 issues, including an issue whereby optical format is set to S/MUX/4 when sample rate is set to 88.2-96kHz.