

GreatVideo!™ HD Video Player

for Mac OS 10.5



Advanced HD Video Features

Overview of HD Video Playback Options

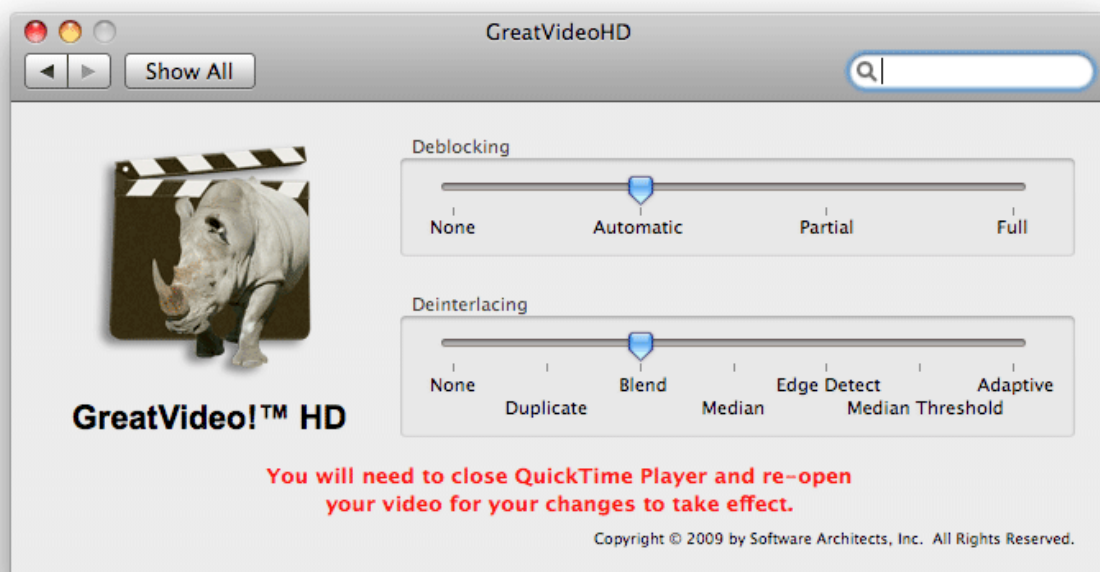
GreatVideo!™ HD Video Player provides you with expanded control of recorded video playback to optimize your viewing experience on your specific Apple system. Version 1.1 provides 28 combinations of video parameter settings for the user to adapt playback for optimized viewing quality for a variety of HD recording methods and resolutions.

Parameter settings can be easily adjusted using two “slider bars” that provide options for de-blocking and de-interlacing methods. Access the settings control in System Preferences. The GreatVideo! HD default settings are “automatic” de-blocking and “blended” de-interlacing.

De-Interlacing Options:

A broad range of de-interlacing methods are provided to allow for optimizing HD video files recorded in 1080i format. The visible effect of each de-interlacing setting is dependent on the video source encoding method. The seven de-interlacing settings provide options that trade decoding performance for display quality.

Users with less powerful Mac’s can enjoy a quality video experience with smoother display quality than with standard QuickTime decoding. By selecting a different setting, users with more powerful Apple systems can get the highest quality display and smooth performance as well. Options are explained on the following page.



De-Interlacing Options (continued):

Duplicate (line doubling): removes the combining effect found in interlaced video completely, by trading off resolution. This provides the most efficient decoding performance. Better for lower powered systems.

Blend: a combination of both fields that makes the image look softer. This provides the second most efficient decoding.

Median: a non-linear filter that reduces distortions. This provides medium decoding performance.

Edge Detection: interpolates the motion between fields to reduce video with “tearing” effects. This provides medium decoding performance.

Median Threshold: a non-linear filter designed to reduce distortions using a different method from the “Median” setting algorithm.

Content Adaptive Vertical Temporal (CAVT): analyzes spacial and temporal dimensions of the video and applies a motion based approach to provide very high quality display that requires more decoding overhead. Recommended for high performance systems.

None: de-interlacing turned off. For use with 1080p and 720p format video files.

De-Blocking Options:

This control allows the user to select the amount of de-blocking applied during video decoding.

Automatic (default): automatically adjusts the amount of de-blocking applied to maintain decoding rates.

Partial: performs de-blocking on reference frames only.

Full: applies full de-blocking to the video. For higher powered Apple systems.

None: no de-blocking applied. For lower powered Apple systems.

Benefits:

Each HD video file can be optimized for best viewing on the user’s Apple system and for each file’s recording method and format. This provides the best quality display for each user experience and provides smooth playback of HD video on more Apple systems than standard QuickTime. Ideal for 1080i interlaced video recordings.

For more information: contact SAI at sales@softarch.com or go to www.softarch.com