

EXHIBIT 1048

REVIEWS

TealMovie

Cinema in 160 Pixels

CONTACT

TealPoint Software
www.tealpoint.com
Requires: Any Palm,
Windows 98
Version Tested: 2.02
Size: 99K
Price: \$19.95

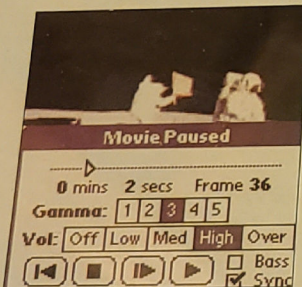
GOOD

Smooth playback with
audio; includes movie
encoder; massive compression.

BAD

Audio gets out of sync;
no fast-forward or rewind
control.

The future of personal
video playback.



Not only is video smooth, but audio is surprisingly good on many handhelds.

If it has been a while since you've had a Keanu Reeves moment (his exclamation of "whoa" on the roof in the Matrix comes to mind) then you owe it to yourself to try TealMovie, a program that redefines what handheld PCs are all about.

TealMovie isn't the first video and animation player for the Palm, but it is the first one to add synchronized sound to video, giving you a complete multimedia experience in the palm of your hand. It works with all Palm models, and even optimizes playback based on the processor, so the software doesn't hobble your playback if you have a newer Palm device. We tested TealMovie on a variety of models, including an m500, HandEra 330, Visor Deluxe, and Visor Prism, and in every case video was as smooth as silk.

Dubious about the promise of sound? So were we. But on most models, the sound was adequate—not stereophonic high-fidelity, of course, but plenty good to hear music and voices in a quiet room. You'll need a Palm III or better to hear anything, and it was our experience that the sound on the Visor Prism was particularly atrocious (though our unit might be to blame). So, while the sound is okay, we won't kid you: Palm devices need headphone jacks or better speakers. Another, less vexing problem: the audio and video don't always stay in sync.

You can play, delete, rename, and even beam

movies from TealMovie's list view. Once you start a video, tapping the screen calls up a control screen to adjust the video quality and volume or restart the clip. Unfortunately, though a slider shows your position in the movie, you can't drag it to fast-forward or rewind the movie.

What's a movie player without content? You can visit TealPoint's Web site to download a variety of movies; the dozen or so titles there range from documentary-style clips to short films. When you get tired of that, PalmGear.com hosts over 75 user-contributed films. But the real treat is that TealMovie comes with its own Windows-based encoder. That means you can convert your own movies from VHS, 8mm, and DV to TealMovies at no additional cost. You can encode a movie with literally a single click, or control the compression, frame rate, cropping, and color.

Equipped with an expansion card and TealEncoder's aggressive compression, you can pack quite a bit of video on your Palm—we wedged two hour's worth of video onto a HandEra 330's 128MB CompactFlash card. That means you can probably watch American Pie 2 while sitting on a plane in 160-pixel glory (but given the cabin noise on a plane, you won't hear squat without some way to output the audio to headphones.) Unfortunately, more pedestrian Palm configurations may have trouble with large video files. In general, you can

count on a megabyte a minute, and few Palm devices have even 3MB or 4MB to spare. So get ready to do the expansion card shuffle—copying files to an expansion card before a HotSync to free up enough space to watch a TealMovie.

Though movie playback on Palm devices is in its infancy, TealMovie is the best example of the genre. It's great to know that video playback can only get better from here.

—Dave Johnson

TealEncoder packs some powerful compression capabilities.

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