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IMPORTANT INFORMATION
for
Motion Video Acceleration Users

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Motion Video Acceleration Drivers   **July 11, 1994**

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Contents

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1.0   Motion Video Acceleration (MVA) Support

The MVA Driver can accelerate the playback of most (but not all) video clips stored in the Microsoft Video For Windows AVI file format. AVI files have a 4-character "descriptor" which identifies its compression scheme. This descriptor can be viewed through Microsoft Video for Windows' 1.1 Media Player by selecting the "Device" menu, then selecting the "configure" menu item and viewing the "video" area of the information box. This function is not supported by Video for Windows' 1.0.

Those compression schemes which are not supported by the MVA Driver (i.e. non-standard schemes) will either revert to unaccelerated playback (if possible), or will fail to playback. The following compression schemes are supported by the MVA Driver:

Cinepak:	CVID
Indeo RT21:	RT21
Indeo Video 3.1 and 3.2:	IV31
Run-Length Encode:	RLE
Microsoft Video Compression:	MSVC
Microsoft Run-Length Encode:	MRLE
ATI Video Compression:	ATI0
YVU9:	YVU9
Non-Compressed:	DIB

2.0   Motion Video Acceleration Driver Problem Detail

2.1   True Colors in 32bpp Mode

In 32bpp mode, only the MVA Driver cannot playback clips. Unaccelerated playback is not supported because MediaPlayer does not support this mode directly. Hence, if ANY playback is

required at 16.7M colors, the "24-bit" button MUST be selected in the "Advanced" Control Panel (select "Advanced" from the FlexDesk+ Control Panel).

2.2   'Low memory' Effects

With 2MB boards, some low memory effects may take place when the resolution / color depth of the screen is being changed dynamically during video playback. The usual effect is a stalled or transparent picture in the playback window. The usual remedy is to stop and start the playback. When re-started, the MVA Driver may revert to unaccelerated video playback. Examples which cause this 'Low memory' condition include:

- using high-resolution modes (i.e. 1024x768 or higher) with zoom factors greater than 2x
- using more than 3 video playback windows (regardless of zoom factor).

2.3   AVIs do not fill playback window

If an AVI file is minimized during playback, the restored AVI may not expand to its' original size. To correct this problem, you can select the "Stretch to Window" option from the control menu button. This problem is associated with Video for Windows' 1.1. Version 1.0 of Video for Windows does not exhibit this problem.

2.4   WinSwitch and AVI playback

Generally, we do not recommend invoking Winswitch, while playing an AVI file. Attempting to do so, may result in a distorted playback window or other display problems.