

Additional Setup Instructions for the M747 (version 1.3) Motherboard with Integrated SoundPro Sound Card, and Integrated 3DPro AGP Video Card

General

On the initial bootup of this motherboard, keep the JP8 jumper on “Clear CMOS” (pins 1-2) for a few seconds, shut down the system, and set JP8 to “Normal” (pins 2-3). Note that on the initial boot you’ll get a CMOS error, this is normal. This motherboard is a baby-AT form factor, but can be installed into a case that supports either AT or ATX motherboards (though no back plate gasket is provided for ATX cases). It must be installed into an ATX case to use the optional ATX functions covered in chapter 3 of the manual. The ATX form card will work in either an AT or ATX case. This motherboard uses the BXPro chipset (the SIS 5600/5595 chipset (<http://www.sis.com.tw>)).

Motherboard AGP (Accelerated Graphic’s Port) Drivers, Integrated 3DPro AGP Video Card Drivers, Bus Mastering Drivers, Integrated SoundPro Sound Card Drivers, USB Drivers, and PC-cillin Anti-Virus Software

NOTE: If you received a MB with just a IDE drivers floppy disk, then all the other drivers will need to be downloaded for the M747 motherboard... The best websites for this are (these websites are OEM distributors of this PCChips M747 motherboard):

<http://www.pcware.com>

<http://www.pcwave.com>

Motherboard AGP Driver – Windows 95 and 98 *(No other Operating System drivers are supplied, please refer to the x:\vga\m747\agpvxd\readme.txt file)*

To install the Motherboard AGP drivers, run the x:\vga\m747\agpvxd\setup.exe file (when installing the Windows 95 operating system, if it asks for a “PCI Card”, point to this directory on the drivers cd).

Integrated 3DPro AGP Video Card Drivers – Windows 95 *(For other Operating Systems, please refer to the x:\vga\m747\m747agp\readme.txt file)*

To install the actual 3DPro video drivers, run the x:\vga\m747\m747agp\win95\setup.exe file. The manual for the integrated 3DPro AGP video card the x:\vga\m747\m747agp\menu.txt file. The 3DPro AGP Video Card runs at 100 MHz when 100 MHz Bus is being used. This video card uses the SIS 6326 chipset (<http://www.sis.com.tw>).

Bus Mastering Driver – Windows 95 *(For other Operating Systems, please refer to the x:\ide\m747\readme.txt file)*

To install the Bus Mastering drivers, run the file x:\ide\m747\win95\setup.exe file.

Integrated SoundPro Sound Card Drivers – Windows 95 *(For other Operating Systems, please refer to the x:\sound\soundpro\new\readme.txt file)*

If installing Windows 95 on the motherboard, initially disable the sound card via Jumper JP7, otherwise, Windows 95 will detect the sound card as an unknown device in the device manager. After Windows 95 is setup, shut down the system, and enable the sound card via jumper JP7 and Windows 95 will boot up and ask for the drivers for the sound card. If the system was setup with the sound card enabled, then remove the drivers from the device manager (in the unknown category), and reboot the system, the system will then ask for the sound card drivers. When it asks for the drivers, point it to the x:\sound\soundpro\new\w95drv directory on the drivers cd. Next, install the Audio Rack and demo software for the sound card by running the x:\sound\soundpro\new\w95-98ap\setup.exe file. To switch which Midi drivers you use, go into the Multimedia properties in the Control Panel, click on the Midi tab, click on which Midi driver you wish to use, and then click on ok. To uninstall the drivers for the sound card, run the x:\sound\soundpro\new\w95drv\uninstdrv.exe file. If you wish to use another sound card on the system, disable the onboard sound card with jumper JP7, and run the uninstall program to remove all the current drivers. This onboard sound card is non-amplified, so you will need to use powered speakers with it. This sound card uses the CMedia CMI8330 chipset (<http://www.cmedia.com.tw>).

USB Port Support – Windows 95 *(No other Operating Systems are supported)*

To install the Windows 95 USB drivers, run x:\usb\eusbsupp\oemusb.exe **then run** x:\usb\eusbsupp\usbsupp.exe from the drivers cd (for Windows 95B or greater -- be sure to read the readme.txt file in x:\usb\eusbsupp for information on USB support – on some systems the second file will not need to be run).

PC-cillin – Windows 95 *(The only other Operating System supported is DOS, please refer to the x:\pc-cillin\readme.txt file)*

To install the PC-Cillin Anti-Virus software, please run the x:\pc-cillin\win95\disk1\setup.exe file. Please note that on the initial bootup, PC-Cillin will ask to download the newest virus data file – this is normal.

Updates

Microsoft’s Direct X* drivers – <http://www.microsoft.com/directx/default.asp>.

BIOS; Video Card drivers; Sound Card drivers – Motherboard manufacturer: <http://www.pcchips.com> (US Website) <http://www.pcchips.com.tw> (Taiwan Website).

PC-cillin Software – <http://www.trendmicro.com>.

Digital Audio (SPDIF)

The integrated SoundPro sound card supports 44.1K digital audio via two 2-pin jumpers built directly onto the motherboard. These are labeled CD1 and CD2 for the 44K Digital Audio IN and the 44K Digital Audio OUT. Be sure to load the Audio Rack software that comes on the drivers cd. To use the Digital In connector, it must be connected to a device that has a digital out jack (such as a cd rom player that includes a two-wire digital out jack). Run a two-wire connector from the devices out jack to the connector on the motherboard. Please note that connector is not keyed, and can be plugged in backwards – if it is plugged in backwards, it will not pick up the digital signal. Run the Audio Rack software and on the Volume Mixer Control is a button for switching to the digital signal (Dig-CD), press this button to receive the digital signal (a light blue light on the button indicates that it is switched to the digital signal). The volume control for the cd player on the Audio Rack controls the volume for digital in connector (as well as the analog cd audio signal when the Dig-CD is off). Please note, if you are using the digital signal output for a cd-rom as well as the regular analog audio output connectors, you should notice a difference in the sound quality. Also note that if the card is *NOT* receiving a digital signal, the analog audio signal will continue to be heard whether the Dig-CD button is on or off. To verify that the sound card is truly receiving the digital signal, disconnect the analog audio output cable from the analog sound input (either J6 or J7 depending on the type of analog cd output you are using). When the Dig-CD button is on, you should hear your digital audio signal, when off, you will hear nothing... To record the digital signal, go into the Record Mixer Control on the audio rack, and turn on the Dig-CD button there (again, a light blue light on the button will indicate that it is switched to the digital signal). To record as a wave file, use the Wave Control in the Audio Rack, and make sure that it is set to cd quality, at 44.100kHz, 16 Bit, Stereo. This will give you the best sound quality (note, as a saved file this will take a tremendous amount of hard disk space).

Technical Support Memo

The following Technical Support Memo was released by our vendor regarding Windows 98, and version 1.3 of the M747 motherboard:

Dear Customer,

On the M747 v1.3 motherboard, you may experience difficulty in installing Microsoft Windows 98 from a CD-Rom Drive. This is due to the fact that Windows 98 will tend to turn on the “CD-Rom DMA” mode during the installation, and the M747 motherboard does not support this feature. We strongly suggest that you first copy the “Win98” directory from the CD onto your hard drive, and run the Windows 98 setup from there.

*All brand or product names mentioned are trademarks or registered trademarks of their respective holders

Revised 10/13/98, driver cd “740/747 VGA Go” used as reference – Addendum document prepared by Computer Geeks Discount Outlet, Inc. © 1998