SY-7IWB Motherboard

Quick Start Guide

SY-7IWB Motherboard

Socket 370 for Intel Celeron™ processors
Intel FW82810 AGP/PCI/AMR Motherboard
100 & 66 MHz Front Side Bus supported
Baby AT Form Factor

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About This Guide:
This Quick Start Guide can help system manufacturers and end users in setting up and installing the Motherboard. Information in this guide has been carefully checked for reliability; however, to the correctness of the contents there is no guarantee given. The information in this document is subject to amend without notice.

For further information, please visit our **Web Site** on the Internet. The address is **"http://www.soyo.com.tw".**

7IWB Serial - Version 1.0 - Edition: July 1999
* These specifications are subject to amend without notice

1 *Introduction*

Congratulate on your purchase of the **SY-7IWB** Motherboard. This *Quick Start Guide* illustrates the steps for installing and setting up your new Motherboard.

This guide provides all users with the basic steps of Motherboard setting and operation. For further information, please refer to *SY-7IWB Motherboard Uses' Guide and Technical Reference* online manual enclosed in the CD-ROM package with your Motherboard.
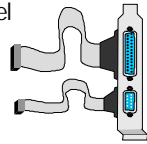
Unpacking

When unpacking the Motherboard, check for the following items:
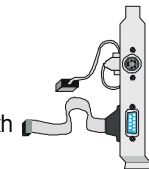
◆ The SY-7IWB FW82810 AGP/PCI/AMR Motherboard

◆ One dual 25-pin parallel with 25-pin flat cable and 9-pin serial with 9-pin flat cable external connector

◆ This Quick Start Guide

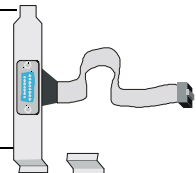◆ One dual 6-pin PS/2 mouse connector with 6-pin flat cable and 9-pin serial connector with 9-pin flat cable

◆ The Installation CD-ROM

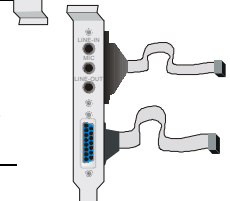◆ SOYO 3-in-1 Bonus Pack CD-ROM (Norton AntiVirus, Ghost and Virtual Drive)

◆ VGA port flat cable with a 15-pin connector bracket

◆ One IDE Device Flat Cable

◆ One game port and Audio connector bracket with flat cables

◆ One Floppy Disk Drive Flat Cable

Introduction

SY-7IWB Motherboard Layout

JP44
WOL Header

COM 2

PS/2 Mouse Connector

KB Connector

JP1

ATX Power

Ac97 Codec

Winbond W83627HF -AW

COM 1   PRT 1

AT Power

CPU FAN

J10

AMR1

IR1

JP15

Socket 370

J11

Audiuo Port

PCI Slot #1

USB1

PCI Slot #2

GAME Port

PCI Slot #3

VGA Port

Intel FW82801AB

Intel FW82810

J6

JP2

JP5 CMOS Clear Jumper

Reset   Power LED

3V Lithium Battery

PWRBT

Intel 82802AB 4MB

JP9

Keylock Speaker

FDC

ACPI LED

IDE 2

HDD LED

IDE 1

JP10

CHAFAN

DIMM 1   DIMM 2   DIMM 3

Key Features

➢ Supports Intel Celeron ™ processors (300A-500MHz)

➢ Supports 100 & 66 MHz Front Side Bus Frequency

➢ Auto detect CPU bus Frequency (66/100)

➢ Auto-detect CPU voltage

➢ Adjustable CPU Core Voltage (Normal, 5%)

➢ Chipset integrated 3D AGP Accelerator

➢ Easy CPU settings in BIOS with the "SOYO COMBO Setup"

➢ Software Audio AC97 Version 2.1 Compliant

➢ PC98, ACPI, Ultra DMA33

➢ Supports Wake-On-LAN (WOL) when use ATX-Power supply

➢ Supports ACPI Suspend Indicator

➢ Power-on by modem, alarm, PS/2 Keyboard, Mouse and USB Win98 Keyboard

➢ Power failure resume

➢ Supports onboard hardware monitoring and includes Hardware Doctor ™ utility

➢ Fan speed control

➢ Battery Low voltage Detect

➢ Support 7 sets of voltage monitoring

➢ Supports multiple-boot function

➢ Y2K Compliant

➢ Supports Audio Modem Riser slot (AMR 1.0 compliant) *

➢ 3 x 32-bit bus mastering PCI slots

➢ 2 x USB ports onboard

➢ 1 x IrDA port

➢ AT power connector

➢ ATX power connector

➢ Hardware Random Number Generator (RNG) for enabling enhanced platform security

➢ RTC hardware to handle Y2K Century Rollover

*If the user wants to use a Modem Riser card (MR) make sure to use a **Secondary** mode MR, **PRIMARY** mode MRs are **NOT** Supported.*

2 *Installation*

To avoid damage to your Motherboard, please follow these simple rules while handling this equipment:

- Before handling the Motherboard, ground yourself by holding on to an unpainted portion of the system's metal chassis.

- Remove the Motherboard from its anti-static packaging. Hold the motherboard by the edges and avoid touching its components.

- Check the Motherboard for damage. If any chip appears to be loosened, press carefully to seat it firmly in its socket.

Follow the directions in this section which is designed to guide you through a quick and correct method to install your new **SY-7IWB** Motherboard. For detailed information, please refer to *SY-7IWB Motherboard User's guide and Technical Reference* online manual enclosed in the CD-ROM package with your Motherboard.

Gather and prepare all necessary hardware equipment to complete the installation successfully:

◆ Celeron™ processor with built-in CPU cooling fan (boxed type)
◆ SDRAM module
◆ Computer case and chassis with adequate power supply unit
◆ Monitor
◆ Keyboard
◆ Pointing Device (Mouse)
◆ Speaker(s) (optional)
◆ Disk Drives: HDD, CD-ROM, Floppy drive ...
◆ External Peripherals: Printer, Plotter(optional)
◆ Internal Peripherals: MR and LAN cards (optional)

Note: 1. This Motherboard features one built-in VGA port and three built-in audio-stereo ports. Therefor you do not need to install neither a VGA card nor a sound card.

2. If you want to use an external speaker connected to "Line-out" port, please make sure to use an "amplified speaker" that can generate proper output sound volume.

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Install the Motherboard

To perform the installation of your new **SY-7IWB** Motherboard, follow the steps below

Step 1. CPU Installation

☑ *Mark your CPU Frequency:* Record the working frequency of your CPU that should be clearly marked on the CPU cover.

☐ 300MHz (66 x 4.5)	☐ 333MHz (66 x 5.0)	☐ 366MHz (66 x 5.5)	☐ 400MHz (66 x 6.0)
☐ 433MHz (66 x 6.5)	☐ 466MHz (66 x 7.0)	☐ 500MHz (66 x7.5)	☐

This Motherboard is designed to support processors with 100MHz FSB. However, Socket 370 processors with 100MHz FSB are not available at present.

CPU Mount Procedure: To mount the Celeron ™ processor that you have purchased separately, follow these instructions.
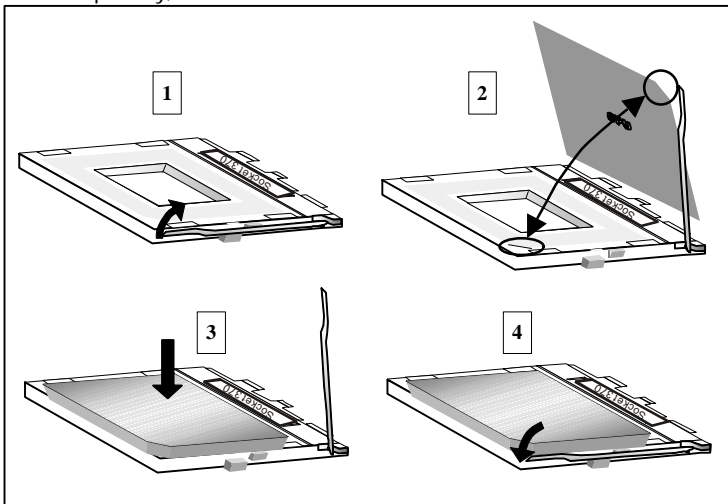
1.   Lift the socket handle up to a vertical position.

2.   Align the blunt edge of the CPU with the matching pinhole distinctive edge on the socket.

3.   Seat the processor in the socket completely and without forcing.

4.   Then close the socket handle to secure the CPU in place.

Remember to connect the CPU Cooling Fan to the appropriate power connector on the Motherboard. *The fan is a key component that stabilize the system. It prevents the equipment from overheating and prolongs the life of your CPU.*

Step 2. Connections to the Motherboard

This section tells how to connect internal peripherals and the power supply to the Motherboard.

Internal peripheral is composed of IDE devices (HDD, CD-ROM), Floppy Disk Drive, Chassis Fan, Front Panel Devices (ACPI LED, Internal Speaker, Reset Button, IDE LED, and KeyLock Switch.), Wake-On-LAN card, VGA card, Sound Card, and other devices.

For more details on connecting internal and external peripherals to your new SY-7IWB Motherboard, please refer to *SY-7IWB Motherboard User's Guide and Technical Reference* online manual on CD-ROM.

Connectors and Plug-ins

Wake-On-LAN Header: JP44			CPU Cooling Fan: CPUFAN			Chassis Fan: CHAFAN		
Pin1	Pin2	Pin3	Pin1	Pin2	Pin3	Pin1	Pin2	Pin3
5VSB	GND	MP-Wakeup	GND	12V	SENSOR	GND	12V	SENSOR

IrDA (Infrared Device Header): IR1					Game Port Connector : J5
Pin1	Pin2	Pin3	Pin4	Pin5	Connect the game port flat cable from the game port/ Audio bracket to J5.
VCC	None	IRRX	GND	IRTX	

CD Line-in: J10,J11		Pin1	Pin2	Pin3	Pin4
Connect the CD Line-in cord from the CR-ROM device to the matching connector CDIN	J10	R	G	L	G
	J11	R	G	G	L

Power LED			Keylock	
Pin1	Pin2	Pin3	Pin1	Pin2
5V	NC	GND	Control Pin	GND

Speaker			
Pin1	Pin2	Pin3	Pin4
5V	NC	NC	Speaker out

HDD LED		ACPI LED		PWRBT		RESET	
Pin1	Pin2	Pin1	Pin2	Pin1	Pin2	Pin1	Pin2
LED Anode	LED Cathode	LED Anode	LED Cathode	Power On/Off	GND	Power Good	GND

AT Power Cable	ATX Power On/Off: PWRBT
Connect the AT Power cable to this connector.	Connect your power switch to this header (momentary switch type). *To turn off the system, press this switch and hold down for longer than 4 seconds.*

ATX Power Supply: ATX PW
Attach the ATX Power cable to this connector. *When using the Power-On by PS/2 Keyboard function, please make sure the ATX power supply is able to be loaded at least 720mA on the 5V Standby lead (5VSB) in order to meet the standard ATX specifications. Note: Use only ONE type of power supply. If an AT power supply is used, do not attach an ATX power supply.*

Step 3.   Configure Memory

Your board comes with three DIMM sockets, and provides support up to 512MB main memory using PC100 DIMM modules from 8MB to 256MB.

Memory Configuration Table
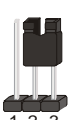
Number of Memory Modules	DIMM 1	DIMM 2	DIMM 3
1	Double-sided/ Single-sided	Double-sided/ Single-sided	
2	Double-sided/ Single-sided	Single-sided	Single-sided²
RAM Type	SDRAM¹		
Memory Module Size (MB)	8/16/32/64/256 Mbytes		

Note: 1. PC100 Compliant DIMM module is required regardless of 66 or 100 MHz FSB speed.
2. If you want to use DIMM3, DIMM2 must be used as well to let the system work properly. Just plugging a memory module into DIMM3 with DIMM2 left empty, will make the system not working.

Step 4.   Set J6 & JP2 to configure CPU FSB Frequency

If the user wants to use the CPU at its standard FSB (Front Side Bus) Frequency, J6 has to be closed. This will make sure the system will provide the CPU with the FSB Frequency it was specified to run at. Make sure that JP2 is open when using this setting.

If the user wants to run the CPU at another (higher) FSB frequency however, J6 has to be open. In this case use JP2 to set the FSB frequency.

Auto Mode		Description
J6	**JP2**	Run the CPU at its specified FSB frequency. For 66MHz FSB CPUs 66/75/83 MHz can be selected in the BIOS. For 100MHz FSB CPUs 100~133MHz can be selected in the BIOS.
Short J6 1 2	**Must** be open 1 2 3	
Note: Don't put any jumper on JP2 when J6 is set to short.		

Manual Mode		Description
J6	**JP2**	Set power up FSB frequency to 66MHz if the user wants to run the CPU at a FSB frequency of 66MHz. Only 66~83MHz FSB can be set in the BIOS.
Open J6 1 2	Short pin 1-2 1 2 3	
J6	**JP2**	Set Power up FSB frequency to 100MHz if the user wants to run the CPU at an FSB frequency of 100MHz or higher. This setting will allow the user to run the CPU at a higher FSB frequency, especially when the user wants to urn a 66MHz FSB CPU at 100MHz and higher FSB frequencies.
Open J6 1 2	Short pin 2-3 1 2 3	

Note: The "Manual" mode setting facilitates FSB over-clocking. Doing so will however force your CPU to operate out of its specifications, and therefore SOYO can not guarantee the proper function of your system.

Hardware Installation

Step 5. Set the CPU Frequency
This Motherboard does not use any jumpers to set the CPU operating frequency; theCPU settings can be changed through the BIOS [SOYO COMBO SETUP]. Please refer to Chapter 3 "Quick BIOS Setup" for details on setting the Celeron™ processor frequency.

Step 6. Set for JP9 FWH Boot Block Write-Protect
Setting this jumper to open will prevent the boot block area of the FWH (FirmWare Hub) chip from being written data into such that it is write-protected from unwanted or abnormal write activity.

Note: In some rare cases, the boot block area will need to be flashed to complete the BIOS upgrade procedure. Setting JP9 to open will cause incomplete BIOS update in that case.

The FWH Boot Block Write-Protect	Locked	Unlocked
JP9 Setting	**open JP9** 1 2	**short JP9** 1 2

Step 7. Enable/Disable Power-On by Keyboard (JP1)
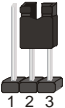
You may choose to enable the Power-On through Keyboard function by shorting pin 1-2 on jumper JP1; or short pin 2-3 to disable this function.

Power-On by Keyboard	Enable	Disable
JP1 Setting	Short pin 1-2 to enable the Power-On by Keyboard function.	Short pin 2-3 and the Power-On by Keyboard function is disabled.

Important: When using the Power-On by Keyboard function, please make sure the ATX power supply is able to provide at least 720mA on the 5V Standby lead (5VSB) in order to meet the standard ATX specification.

Step 8. PC speaker redirection (JP10)

Through this jumper the case speaker output can be redirected to the external (amplified) speakers (if connected) through the on-board Audio-Codec.

PC speaker redirection	Redirect to external speaker	Use case speaker
JP10 Setting	Short pin 1-2	Short pin 2-3

Step 9. CPU Core Voltage Adjust (JP15)

In case your CPU is running on a frequency higher then it is specified for, increasing its core voltage can enhance its stability. Over-clocking your CPU does however force your system to operate outside of its specifications, and therefore SOYO can not guarantee system stability.

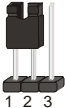| CPU Core Voltage Adjust	JP15 Setting	
Default Vcore	short pin 1-2	
5% higher	short pin 2-3	

Hardware Installation

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Step 10. CMOS Clear (JP5)

After you have turned off your computer, clear the CMOS memory by momentarily shorting pins 2-3 on jumper JP5, for a few seconds. Then restore JP5 to the initial 1-2 jumper setting in order to recover and retain the default settings.

Jumper JP5 can be easily identified by its white colored cap.

CMOS Clearing	Clear CMOS Data		Retain CMOS Data	
JP5 Setting	**Short pin 2-3 for at least 5 seconds to clear the CMOS**	1 2 3	**Short pin 1-2 to retain new settings**	1 2 3
Note: You must unplug the ATX power cable from the ATX power connector when performing the CMOS Clear operation.				

💡 *Note on Over-clocking Capability*

The SY-7IWB provides over-clocking capability. Due to the over-clocking setting your system may fail to boot up or hang during run time. Please perform the following steps to recover your system from the abnormal situation :

1. Turn off system power (If you use an ATX power supply, and depending on your system, you may have to press the power button for more than 4 seconds to shut down the system.)
2. Set the J6 to open and set the JP2 pin 1-2 if you use a FSB 66MHz CPU.
3. Press and hold down the <Insert> key while turning on the system power. Keep holding down the <Insert> key until you see the message of the CPU type and frequency shown on the screen.
4. Press the <Del> key during the system diagnostic checks to enter the Award BIOS Setup program.
5. Select [Soyo Combo Feature] and move the cursor to the [CPU Frequency] field to set the proper working frequency.
6. Select [Save & Exit SETUP] and press <Enter> to save the new configuration to the CMOS memory, and continue the boot sequence.

Note: SOYO does not guarantee system stability if the user over clocks the system. Any malfunctions due to over-clocking are not covered by the warranty.

3 *Quick BIOS Setup*

This Motherboard does not require any hardware jumpers to set the CPU operating frequency. Instead, CPU settings are software configurable with the BIOS **[Soyo Combo Feature].** The [Soyo Combo Feature] menu combines the main parameters that you need to configure. They are all in one menu to enable a quick setup in BIOS.

After completion of hardware installation, turn the power switch on, then press the **<DEL>** key while the system diagnostic is checking to enter the Award BIOS Setup program. The CMOS SETUP UTILITY will display on screen. Then follow these steps to configure the CPU settings.

Step 1. Select [Standard CMOS Features]
Set [Date/Time] and [Floppy drive type], then set [Hard Disk Type] to "Auto".

Step 2. Select [Load Optimized Defaults]
Select the "Load Optimized Defaults" menu and type "Y" at the prompt to load the BIOS optimal setup.

Step 3. Select [Soyo Combo Feature]
Move the cursor to the **[CPU Frequency]** field to set the CPU frequency.

The following table shows all available [CPU Frequency] settings on your SY-7IWB Motherboard . If you set this field to [Manual], then you will be required to fill in the next two consecutive fields: (1) the CPU Host/PCI Clock, and (2) the CPU Ratio.

CPU Frequency	
☐ 300MHz (66 x 4.5)	Select the working frequency of your Celeron™ processor among these preset values.
☐ 333MHz (66 x 5.0)	
☐ 366MHz (66 x 5.5)	
☐ 400MHz (66 x 6.0)	*Note:* ☑ Mark the checkbox that corresponds to the working frequency of your Celeron™ processor if the CMOS configuration is lost.
☐ 433MHz (66 x 6.5)	
☐ 466MHz (66 x 7.0)	
☐ 500MHz (66 x 7.5)	
☐	

Note: if you use Bus Frequencies of 75 MHz, make sure that your PCI cards are compatible with the higher PCI clock.

Step 4. Select [SAVE & EXIT SETUP]
Press **<Enter>** to save the new configuration to the CMOS memory, and continue with the boot sequence.

Quick BIOS Setup

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4   *The SOYO CD*

> **The SOYO-CD will NOT autorun if you use it on an Operating System other than Windows 9x or NT.**

Your SY-7IWB Motherboard comes with a CD-ROM labeled "SOYO CD." The SOYO CD contains (1) the user's manual file for your new Motherboard, (2) the drivers software available for installation, and (3) a database in HTML format with information on SOYO Motherboards and other products.

Step 1.   Insert the SOYO CD into the CD-ROM drive
The SOYO CD will auto-run, and the SOYO CD Start Up Menu will be shown as below.
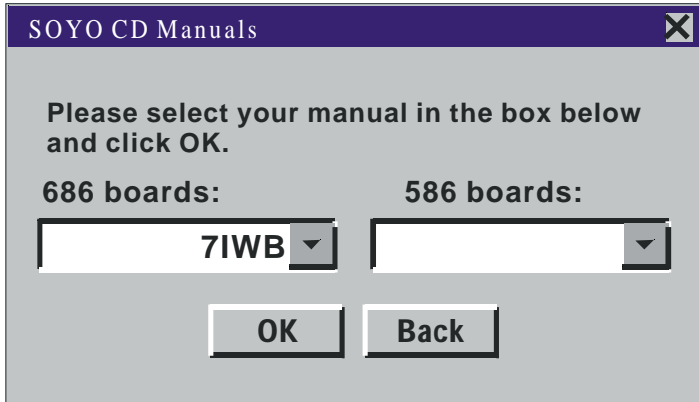

(SOYO CD Start Up Program Menu)

If you use Windows 95/98, the SOYO CD Start Up Program automatically detects which SOYO Motherboard you own and displays the corresponding model name.

Step 2.   Read SOYO [7IWB] Manual
Click the *Read Manual* button to open the user's manual file of your Motherboard.

Please note that if the Start Up program was unable to determine which SOYO Motherboard you own, the manual selection menu will pop up, as shown below. Then select the user's manual file that corresponds to your Motherboard model name and click *OK.*

```
┌──────────────────────────────────────────────────────┐
│ SOYO CD Manuals                                    ☒  │
│                                                        │
│    Please select your manual in the box below         │
│    and click OK.                                       │
│                                                        │
│    686 boards:              586 boards:                │
│   ┌──────────────┐─┐      ┌────────────────────┐─┐     │
│   │      7IWB    │▼│      │                    │▼│     │
│   └──────────────┘─┘      └────────────────────┘─┘     │
│                                                        │
│          ┌─────────┐    ┌─────────┐                    │
│          │   OK    │    │  Back   │                    │
│          └─────────┘    └─────────┘                    │
└──────────────────────────────────────────────────────┘
```
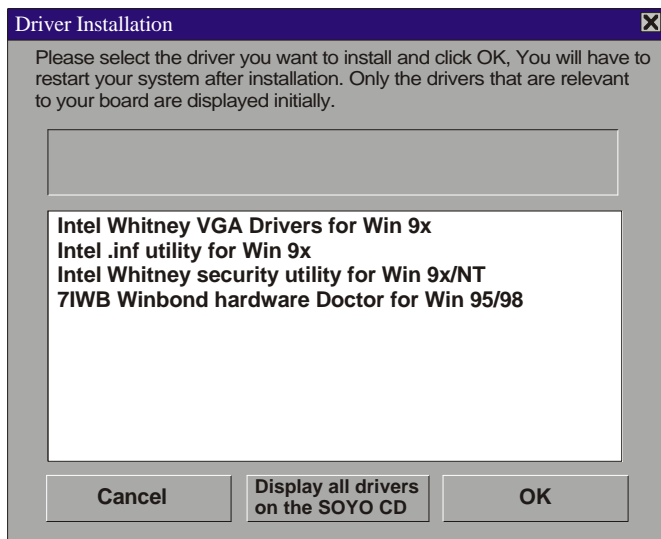
(Manual Selection Menu)

The user's manual files included on the SOYO CD can be read in PDF (Postscript Document) format. In order to read a PDF file, the appropriate Acrobat Reader software must be installed in your system.

Note: The Start Up program automatically detects if the Acrobat Reader utility is already present in your system, and otherwise prompts you on whether or not you want to install it. You must install the Acrobat Reader utility to be able to read the user's manual file. Follow the instructions on your screen during installation, then once the installation is completed, restart your system and re-run the SOYO CD.

Step 3. Install Drivers

Click the *Install Drivers* button to display the list of drivers software that can be installed with your Motherboard. The Start Up program displays the drivers available for the particular model of Motherboard you own. We recommend that you only install those drivers. If you use Windows NT, only select the drivers listed here.

However, to display the list of all drivers software available with SOYO Motherboards, click the *Display all drivers on the SOYO CD* button. Please make sure to install only the drivers adapted to your system, or otherwise this may cause system malfunctions.

The SOYO CD

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Driver Installation ☒

Please select the driver you want to install and click OK, You will have to
restart your system after installation. Only the drivers that are relevant
to your board are displayed initially.

Intel Whitney VGA Drivers for Win 9x
Intel .inf utility for Win 9x
Intel Whitney security utility for Win 9x/NT
7IWB Winbond hardware Doctor for Win 95/98

| Cancel | Display all drivers on the SOYO CD | OK |

(Driver Installation Menu)

A short description of all available drivers follows:

➢ **INTEL Whitney VGA Drivers for Win 9x**

In order to be able to make use of the integrated VGA function in your Whitney
chipset, you will need to install this driver first. For Windows 95/98 only.

➢ **INTEL Whitney .inf utility for Win 9x**

Windows 95 and 98 will not recognize the new INTEL Whitney chipset properly. To
update the necessary .inf files that will help Windows recognize the Whitney chipset,
please run this utility.

➢ **INTEL Whitney security utility for Win 9x/NT**

This utility makes use of the random number generator in the FWH of your 810/820
chipset. for Win 95/98/NT.

➢ **7IWB Winbond hardware Doctor for Win 95/98**

Your motherboard comes with a hardware monitoring IC. By installing this utility
Temperature, Fan speed and Voltages can be monitored. It is also possible to set alarms
when current system values exceed or fall below pre-set values.

Select which driver you want to install and click *OK*, or click *Cancel* to abort the driver
installation and return to the main menu.

Note: Once you have selected a driver, the system will automatically exit the SOYO CD to begin the driver installation program. When the installation is complete, most drivers require to restart your system before they can become active.

Step 4. Check the Latest Releases

Click the 'Check the latest Releases' button to go the SOYO Website to automatically find the latest BIOS, manual and driver releases for your motherboard. This button will only work if your computer is connected to the internet through a network or modem connection. Make sure to get your modem connection up before clicking this button.

Step 5. Enter the SOYO CD

Click the *Enter SOYO CD* button to enter the SOYO HTML database. The Start Up program will activate the default HTML browser installed on your system (for example, Internet Explorer or Netscape) to display the contents of the SOYO CD.

The SOYO CD contains useful information about your Motherboard and other SOYO products available. For your convenience, this information is available in HTML format, similar to the format widely used on the Internet.

Note: If no HTML browser is installed on your system, the Start Up program will prompt you on whether or not you would like to install the Internet Explorer* browser. Click YES to install the HTML browser. After the installation is complete, please restart your system. Then re-run the SOYO CD and you will be able to browse the SOYO HTML database.
 (* Internet Explorer is a Microsoft Trademark)

The SOYO CD

5   *Crystal Audio Driver Installation*

Installing Crystal Audio Drivers under windows 9x

1.   Open Device Manager.
2.   PCI Multimedia Device will have a yellow marker the first time the operating system is installed.
3.   Select "Properties" on the yellow marker.
4.   Select the "Driver" tab.
5.   Click on "Update Driver"
6.   Select the following directory:
     D:\driv-all\crystal\window9x\image
     and click OK. You will need the Windows Second Edition to complete the WDM installation.
7.   The entry that will show up in the Sound, Video, and Game Controllers is: Crystal WDM Audio Codec.
8.   A little Sound Icon appears on the Task Bar upon completing the driver installation.

Uninstalling/Re-Installing Crystal Audio Drivers

1.   Open Device Manager.
2.   Remove Crystal WDM Audio Codec entry in the Sound, Video, and GameControllers section. Crystal is not the owner of the game controller on this audio solution.
3.   Delete Crystal INF in c:\windows\inf\other
4.   Restart your PC for Plug and Play to reinitialize your system.

Known Limitations

1.   Clicking the Stop button causes loud pops while playing Midi through Media Player, when Headphone control is used.
2.   Playing any wave using the Dsound application causes a loud pop when the Play button is clicked.
3.   After Remove/Refresh, no software wavetable audio is available after a reboot.
4.   The Play and Stop button cause loud pops while playing wave through the Media player.
5.   There may be some feed back noise when Microphone boost is enabled.
6.   A reboot may be required to play MIDI audio after the initial installation of the driver.
7.   Panning Headphone and Wave balance in the Output mixer while playing a aWave/CD/Line-in signal causes a pop.

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Special Design Considerations

1. The Headphone does not mute the audio when the headphone slider is adjusted to the minimum value.

2. SW Synth slider jumps to max value, when Synth state is switched from Stop to Play or viceversa.

3. Master Volume levels are quite low when compared to Headphone volume levels.

4. Fastforward and Rewind Controls in the Media Player can not enabled.

5. When resuming from sw wavetable playback, midi is paused.

6. Digital CD Audio is recorded by loopback mux selection.

7. Mono Mix volume is low.

8. Some Dos games do not run in a Dos Box. This support is provided by the Microsoft legacy Audio emulator.

Note: The above limitations list is as provided by the codec manufacturer, SOYO will provide customers with new driver releases through the SOYO website as soon as they are released by the manufacturer.

Installing Crystal Audio Drivers for Windows NT

1. Double click the MULTIMEDIA icon in the control panel. The Multimedia Properties windows will appear. Click on the Devices tab and press the Add button.

2. Select "Unlisted or Updated Drivers" from the list of drivers in the Add window by placing the mouse pointer over it and clicking the left mouse button. Press the OK button.

3. The Install Driver dialog box will appear and request the path of the location of the drivers to be installed. Enter D:\driv-all\crystaINT (where D: is your CDROM drive) If the installation fails, first copy all the files in the above directory to your harddisk and give that directory to NT.

4. The label "SoundFusion(tm)" is displayed on the dialog box. Press OK to continue with the installation.

5. Windows NT will display a dialog box asking you to restart your system.
   Press the Restart Now button to complete the installation.

Uninstalling or Updating Crystal Audio Drivers

1. Double click on the MULTIMEDIA icon in the control panel. Select the Devices tab from the Multimedia properties window.

2. Double click on the Audio Devices entry from the Multimedia devices list. Select the driver by placing the mouse pointer over the label "Audio for SoundFusion(tm)" and clicking the left mouse button.

3. Press the REMOVE button.

4. A question box will appear to verify your decision. Press the YES button.

5. WindowsNT will dislplay a dialog box asking you to restart your system. Press the Restart Now button to complete the Un-installation.

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- If you are interested in our products, please contact the SOYO sales department in the region you live.
- If you require Technical Assistance, please contact our Technical Support in the region you live.

SOYO prefers Email as communication medium, remember to *always add to the email the country that you live in*.

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