



Item Checklist

This item checklist is only available for retail market. Completely check your package, If you discover damaged or missing items, contact your retailer.

- P5I915PL series mainboard
- QDI Utility CD
- 1HD ribbon cable
- 1 FDD cable
- User's manual
- I/O shield(option)
- USB cable(option)

Notice

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Certificate of Compliance



The following products have been tested by us with the listed standards and found in compliance with the council EMC directive 89/336/EEC. It is demonstrative for the compliance with this EMC Directive.

Submittor: QDI Technology Limited
23Floor, Lincoln House, Taikoo Place 979
King's Road, Quarry Bay, HONG KONG

Product: MotherBoard

M/N: P5I915PL

- EN 55022/A1:2000 Limits and methods of measurements of radio disturbance characteristics of information technology equipment
- EN 61000-3-2/A14:2000 Electromagnetic compatibility(EMC)
Part 3: Limits
Section 2: Limits for harmonic current emissions (equipment input current \leq 16A per phase)
- EN 61000-3-3/A1:2001 Electromagnetic compatibility(EMC)
Part 3: Limits
Section 3: Limits of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current \leq 16A
- EN 55024/A1:2001 Information technology equipment-Immunity characteristics limits and methods of measurement

Signature : Wang Dayong | Date : 2005.01.01

Printed Name : Wang Dayong Position: General Manager

The statement is based on a single evaluation of one sample of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab.logo.

Declaration of conformity



Trade Name: QDI Computer (U. S . A.) Inc.
Model Name: **P5I915PL**
Responsible Party: QDI Computer (U. S. A.) Inc.
Address: 41456 Christy Street
Fremont, CA 94538
Telephone: (510) 668-4933
Facsimile: (510) 668-4966

Equipment Classification: FCC Class B Subassembly
Type of Product: Mainboard
Manufacturer: QDI TECHNOLOGY (HK) Limited
Address: 23Floor, Lincoln House, Taikoo Place
979 King's Road, Quarry Bay, HONG
KONG

Supplementary Information:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Tested to comply with FCC standards.

Signature : Wang Dayong

Date : 2005

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Be sure to unplug the AC power supply before adding or removing expansion cards, RAM or other system peripherals, otherwise your mainboard and RAM might be seriously damaged.



Be sure to add some Silicone Grease between the CPU and the heatsink to keep them fully contacted to meet the heat sink requirement.



Note:

This manual is suitable for P5I915PL series of mainboards. Each mainboard is carefully designed for the PC user who wants different features.

- 6A: with 6 channel Audio**
- 8A: with 8 channel Audio**
- L: with onboard 10/100M LAN**
- F: with IEEE 1394 port**
- K: with onboard G-bit LAN**
- R: with RAID function(ICH6R only)**

Chapter 1



Introduction

P5I915PL series of mainboards utilize Intel® 915PL + ICH6/ICH6R chipset, providing a fully compatible, high performance and cost-effective ATX platform. P5I915PL supports next generation graphics interface: PCI Express x 16. The new integrated technologies, together with AC'97 audio (6-channel) or High Definition Audio(8-channel), 4 SATA at most, 8 USB 2.0 ports and ATA100/66/33, give customers an advanced, multimedia solution at reasonable price. It provides 533/800MHz host bus speed to support Intel LGA775 processors. Suspending to RAM, the optimal implementation of the Advanced Configuration and Power Interface (ACPI) specification, makes the PC's power consumption drop to the lowest possible level and enable quick wakeup.



Introduction

Form factor

- ATX form factor of 305mm x 244mm

Microprocessor

- Supports Intel LGA775 Prescott processors
- Supports 533/800MHz host bus speed

System memory

- Supports dual channel DDR333/400 SDRAM
- Supports 256/512Mb/1Gb technology up to 2GB
- Provides two 184-pin DDR SDRAM interfaces

PCI Express x16 Graphics

- PCI Express 1.0a specification compliant
- Supports one PCI Express x16 port

PCI Express x1 Ports

- PCI Express 1.0a specification compliant
- Supports two PCI Express x1 ports

Onboard IDE

- Supports one IDE interfaces supporting two IDE devices

Onboard LAN(optional)

- 10/100(available on -L mainboard)/1000(available on -K mainboard) Mbit/sec Ethernet support
- 10/100(available on -L mainboard)/1000M(available on -K mainboard) LAN interface built-in on board

USB 2.0

- USB 2.0 compliant, operates at 480Mbps, about 40X times faster than USB 1.1 which currently works at a snails pace of just 12Mbps
- Provides 8 USB 2.0 ports

Onboard I/O

- One floppy port supporting up to two 3.5" floppy drives with 1.44M format
- Two high speed 16550 compatible COMs with 16 byte send/receive FIFO (COM1 on back panel,COM2 on header with optional cable)
- One parallel port supports SPP/EPP/ECP mode
- Supports PS/2 mouse and PS/2 keyboard
- Provides one IrDA connector
- All I/O ports can be enabled/disabled in the BIOS setup

Onboard Audio

- Provides onboard Line-in Jack, Microphone-in Jack and Speaker-out Jack

6-channel Onboard Audio(available on -6A mainboard)

- AC'97 2.3 Specification Compliant
- Provides Front left&right, Rear left&right/Line-in Jack and Center&Woofers/Microphone-in Jack,which can be specified by software

8-channel Onboard Audio(available on -8A mainboard)

- High Definition Audio(HDA)Specification Compliant
- Provides Center&subWoofers speaker out, Rear speaker out, Side speaker out, line in, Front speaker out, Mic in



Onboard SATA

- Supports two SATA devices including SATA HDD and CDROM/DVD ROM devices
- Supports 150Mbps transfer rate.

Advanced features

- PCI 2.3 Specification Compliant

BIOS

- Licensed advanced AMI BIOS, supports flash ROM, plug and play ready
- Supports IDE CDROM/USB boot up.

Green function

- Supports ACPI (Advanced Configuration and Power Interface) and ODPM (OS Directed Power Management)
- Supports ACPI power status: S0 (full-on), S1 (power on suspend), S3 (suspend to RAM), S4(suspend to Disk, depends on OS) and S5 (soft-off)

Main Expansion Slots and Connectors

Slot/Port (Quantity)	Description
PCI(4)	PCI slots
PCIE(2)	PCI Express x1 ports
PCIEX(1)	PCI Express x16 port
IDE(1)	IDE port
FLOPPY(1)	Floppy Drive port
DDR(2)	DIMM sockets
USB(8)	USB connectors
LAN(1)(optional)	LAN connector
COM(2)(optional)	COM connectors
PARALLEL(1)	Parallel connector
IrDA(1)	IrDA connector
Audio(1)	Audio connector
1394(2)(optional)	IEEE 1394 ports
SATA(2)	Serial ATA connectors



Chapter 2



Installation Instructions

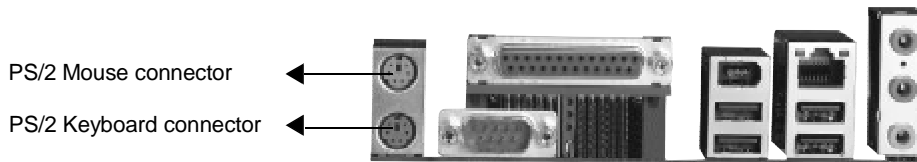
This section covers External Connectors and Jumper Settings. Refer to the mainboard layout chart for locations of all jumpers, external connectors, slots and I/O ports. Furthermore, this section lists all necessary connector pin assignments for your reference. The particular state of the jumpers, connectors and ports are illustrated in the following figures. Before setting the jumpers or inserting these connectors, please pay attention to the direction.



External Connectors

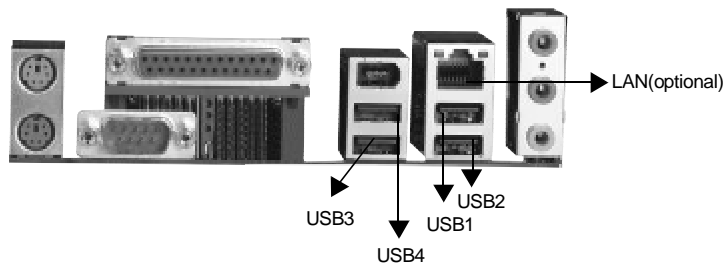
PS/2 Keyboard/Mouse Connector

PS/2 keyboard connector is for the usage of PS/2 keyboard. If using a standard AT size keyboard, an adapter should be used to fit this connector. PS/2 mouse connector is for the usage of PS/2 mouse.



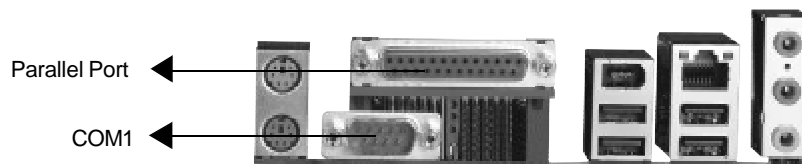
USB1, USB2; USB3, USB4 and LAN Connectors(optional)

Four USB ports are for connecting USB devices. The RJ-45 connector is for onboard LAN.



Parallel Port and Serial Port Connector (COM1)

The parallel port connector can be connected to a parallel device such as a printer. The serial port COM1 connector can be connected to a serial port device such as a serial port mouse.



Warning:

Be sure to unplug the AC power supply before adding or removing expansion cards or other system peripherals, otherwise your mainboard and expansion cards might be seriously damaged.



Installation Instructions

Line-in jack, Microphone-in jack and Speaker-out jack

The Line-in jack can be connected to devices such as a cassette or minidisc player to playback or record. The Microphone-in jack can be connected to a microphone for voice input. The Speaker-out jack allows you to connect speakers or headphones for audio output from the internal amplifier.



6-Channel Audio(available on -6A mainboard)

This mainboard utilizes ALC655 chip providing 6-channel Audio, which consists of Front Left, Front Right, Rear Left, Rear Right, Center and Woofer for a complete surround sound effect. When 6-Channel audio is available, the front Left&Right jack can be connected to the Front speakers, the Back Left&Right jack can be connected to the rear speakers and the Center&Woofer jack can be connected to the center speaker and woofer.

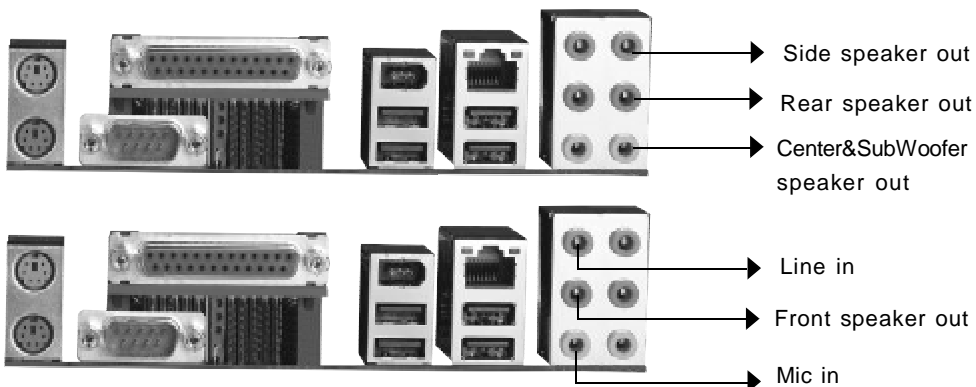
Microphone function is offered by F_AUDIO Connector on the mainboard now.

If set 2-Channel Audio mode on -6A or -6AL mainboard, you can connect two speakers to the Front Left&Right jack, at the same time use the Rear Left&Right jack as Line in jack, and use the Center&Woofer jack as Microphone in jack.



8-Channel Audio(available on -8A mainboard)

This mainboard utilizes ALC880 chip providing 8-channel Audio, which consists of Line in, Front speaker out, Mic in, Side speaker out, Rear speaker out, Center&SubWoofer speaker out for a complete surround sound effect.



Note: To enable record function, first install ALC880 driver, then enter the control panel of system and make sure "Realtek HD Front Pink Jack" is selected in the sound recording default device before using front mic to record sound, if you select "Realtek HD Audio rear input", you can use rear mic to record sound.



Dual channel introduce



To using dual channel DDR, DIMM1/DIMM2 is a combination. The following figure illustrates the dual channel DDR installation:

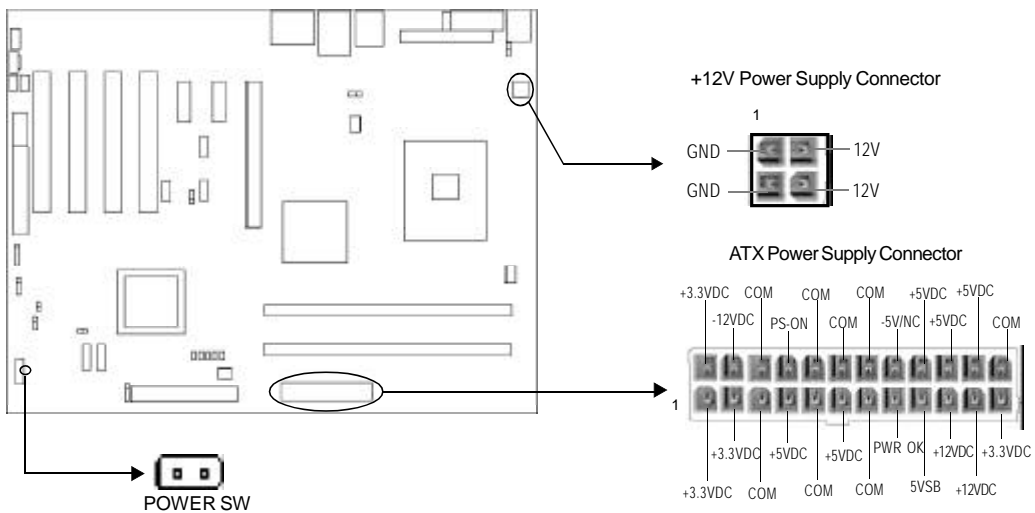
1. two same memory



ATX 12V Power Supply Connector & Power Switch (POWER SW)

The power switch (POWER SW) should be connected to a momentary switch. When powering up your system, first turn on the mechanical switch of the power supply (if one is provided), then push once the power switch. When powering off the system, you needn't turn off the mechanical switch, just push once the power switch. P5I915PL series mainboard only support ATX12V power.

Note: please pay attention to orientation and sequence of pins when using 20 pins ATX power supply connector



Hard Disk LED Connector (HDD_LED)

The connector connects to the case's IDE indicator LED indicating the activity status of IDE hard disk. The connector has an orientation. If one way doesn't work, try the other way.

Reset Switch (RESET)

The connector connects to the case's reset switch. Press the switch once, the system resets.



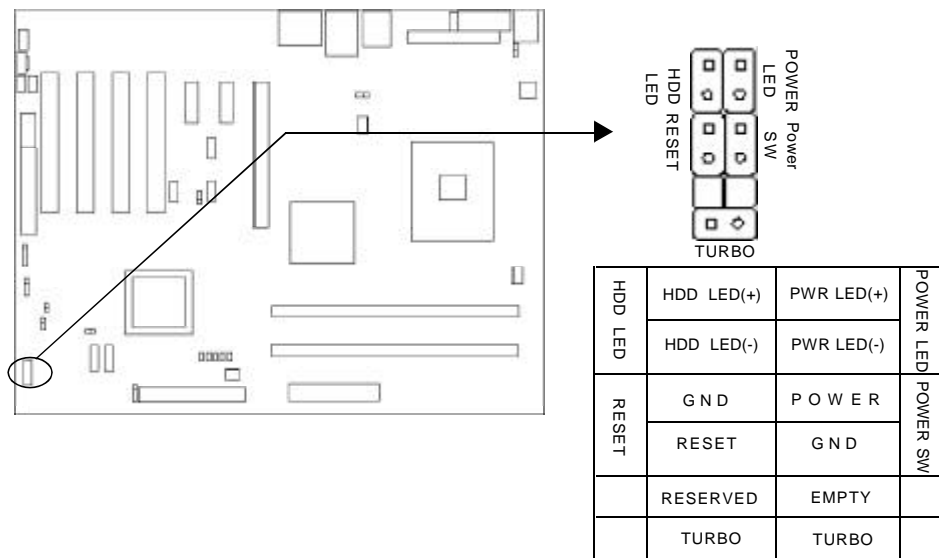
Installation Instructions

Power LED Connector (PWR_LED)

When the system is in S0 status, the LED is on. When the system is in S1 status, the LED is off; When the system is in S3, S4, S5 status, the LED is off. The connector has an orientation.

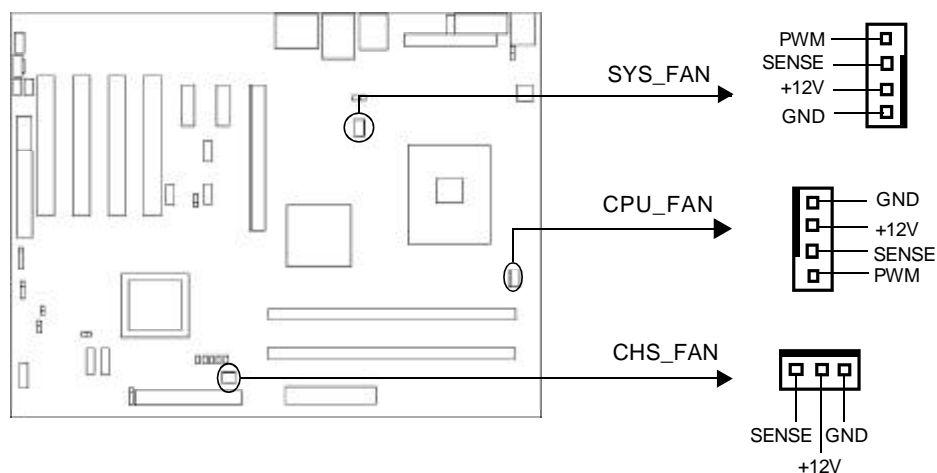
TURBO Switch

To enable TurboEasy feature, you have to enable the "TurboEasy Setting" item in Advanced Setup of AMI BIOS first and select CPU/PCIEX/PCI frequency, then press turbo switch. If you want to know information about TurboEasy, please refer to appendix.



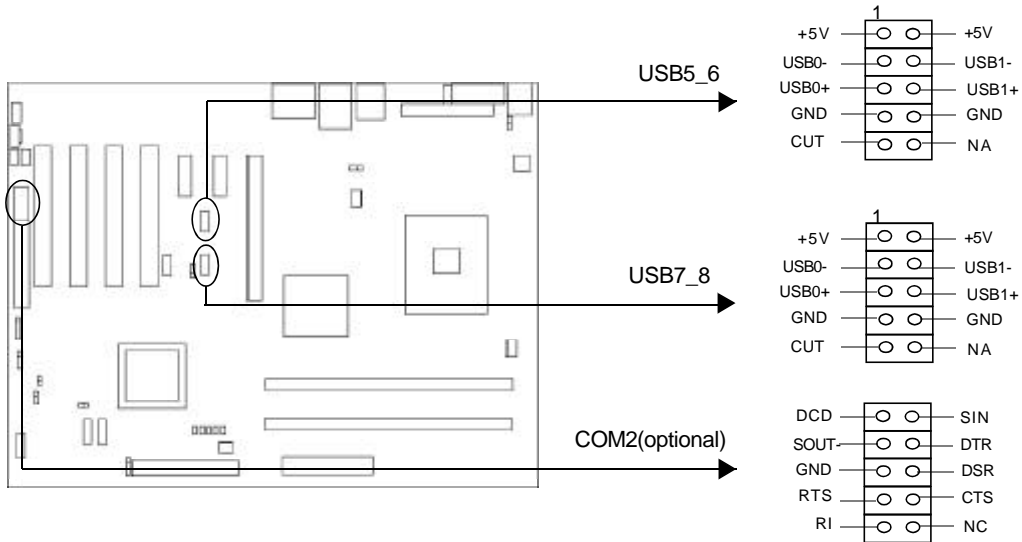
Fan Connectors (CPU_FAN, SYS_FAN and CHS_FAN)

The fan speed of these three fans can be detected.



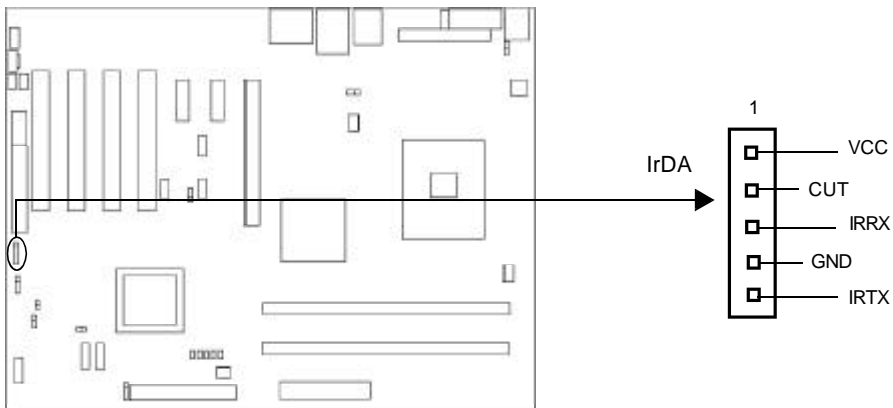
USB5 ,USB6; USB7, USB8; Serial Port Connector(COM2)(optional)

Besides USB1,2 or USB3,4 on the back panel, P5I915PL series of mainboards also have two 10-pin headers on board which may connect to front panel USB cable(optional) to provide additional four USB ports. The serial port COM2 is not available on the back panel. Therefore, we provide a 9-pin header.



Infrared Header (IrDA)

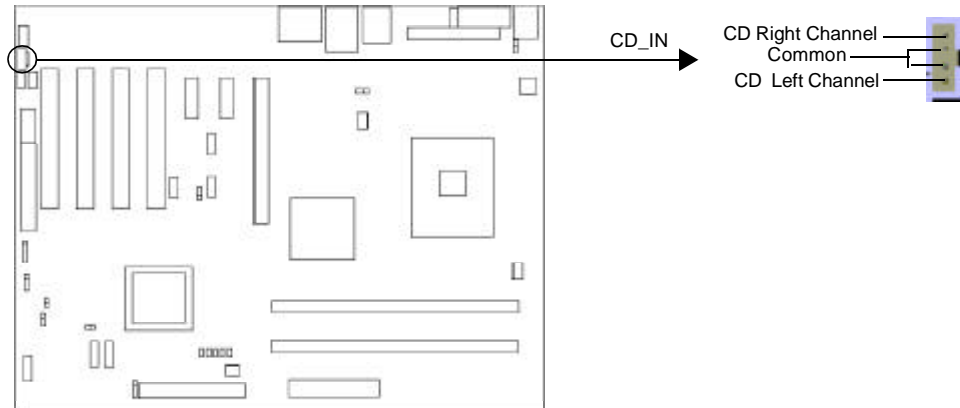
This connector supports wireless transmitting and receiving device.



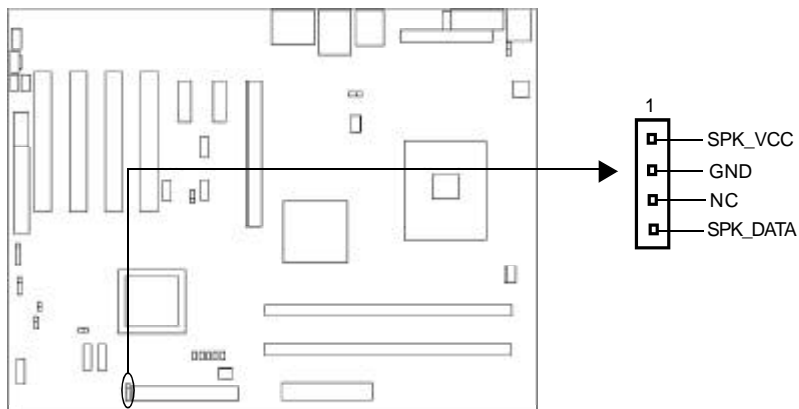
Installation Instructions

Audio Connectors (CD_IN)

CD_IN is Sony standard CD audio connector, it can be connected to a CD-ROM drive through a CD audio cable.

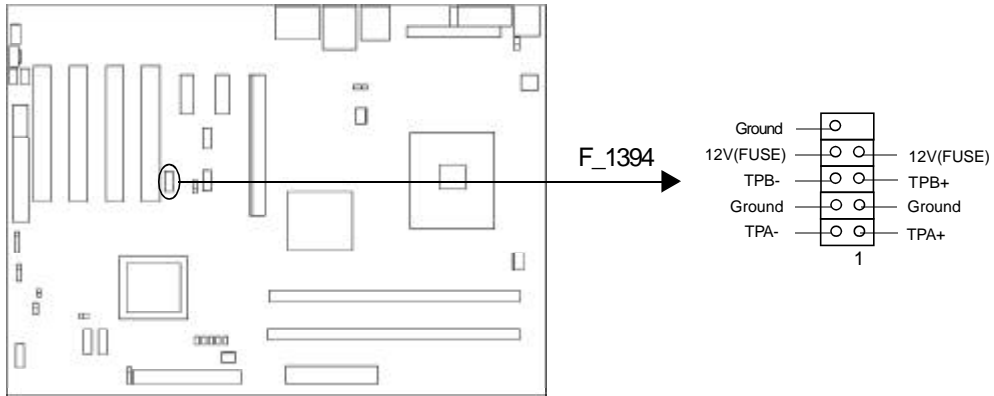


SPEAKER Connector(optional)



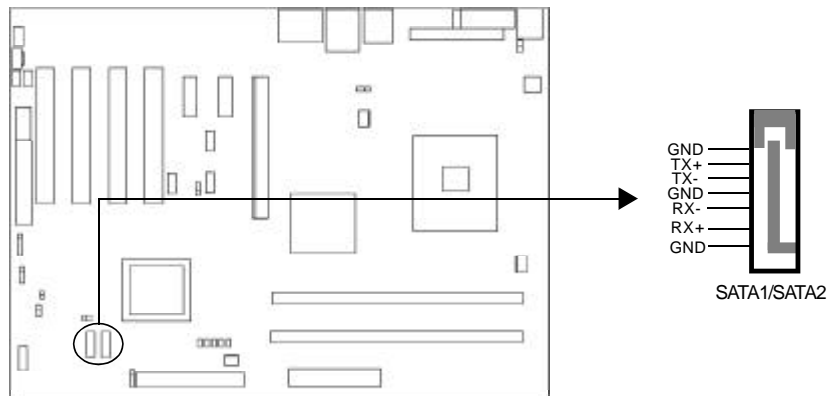
Front IEEE 1394 port(F_1394)(optional)

Besides one 1394 port on the back panel, the mainboard also have one 10-pin headers on board to provide additional IEEE 1394 port.



Onboard SATA

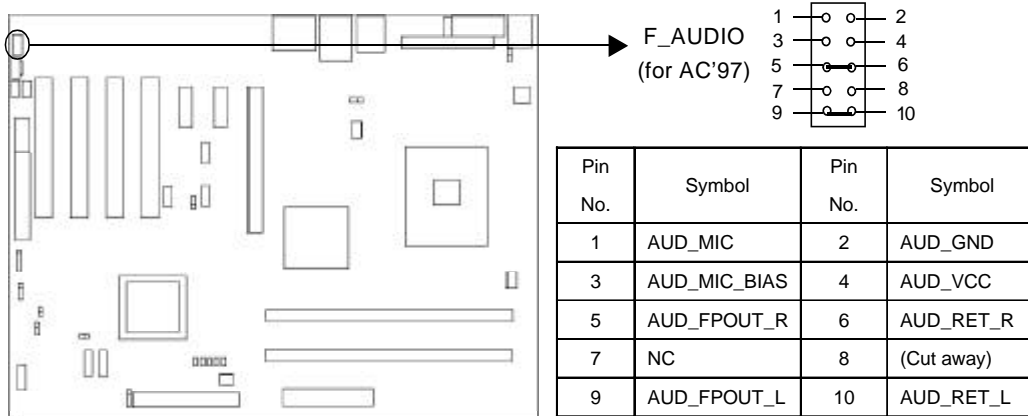
The mainboard provides two Serial ATA connectors, SATA is a storage interface that is compliant with SATA 1.0 Specification. With speed of up to 150Mbps. you can connect Serial ATA cable to Serial ATA hard disk.



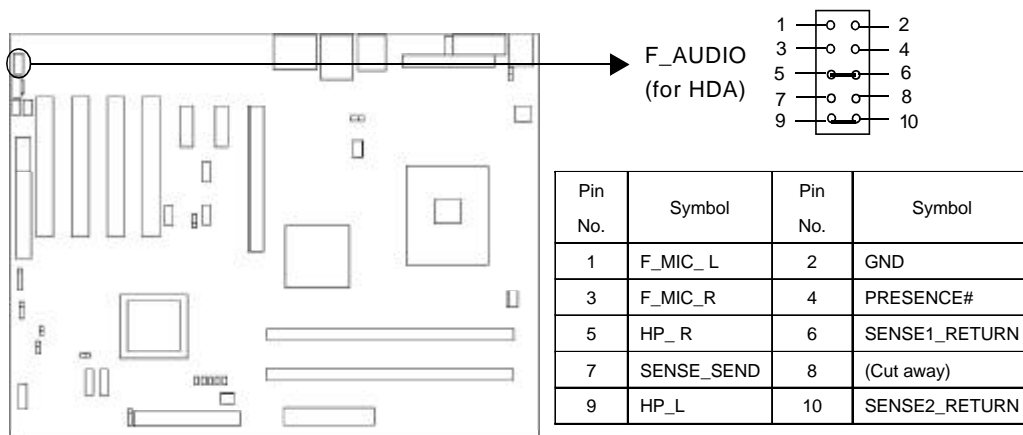
Installation Instructions

Audio Interface(F_AUDIO)

For the mainboard supporting ALC655, The audio interface provides two kinds of audio output choices: the FrontAudio and the RearAudio. Their priority level is as sequence. When the FrontAudio is available, the RearAudio(in-case speakers) will be cut off. An onboard amplifier is provided for the earphone. When the FrontAudio is absent, Pin5 and Pin10 must be short connected.

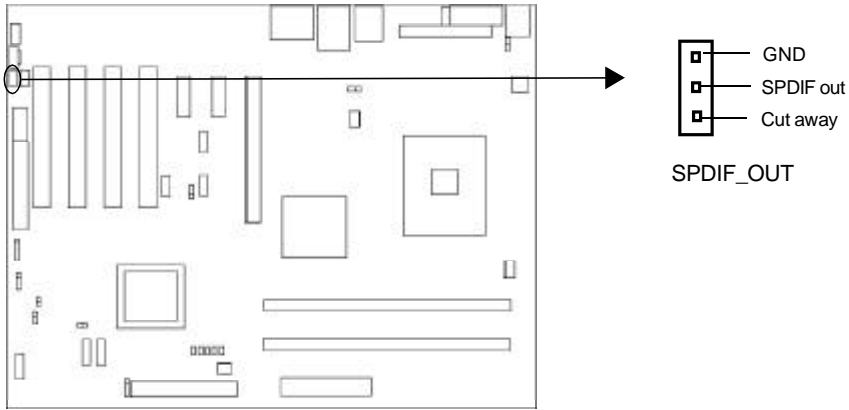


For the mainboard supporting ALC880, please use HDA front audio panel for F_AUDIO function.

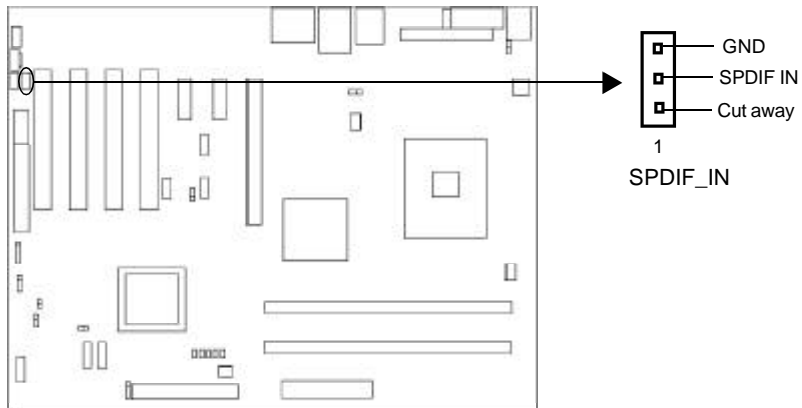


SPDIF_OUT Connector

The SPDIF output allow your digital audio input from digital audio devices.

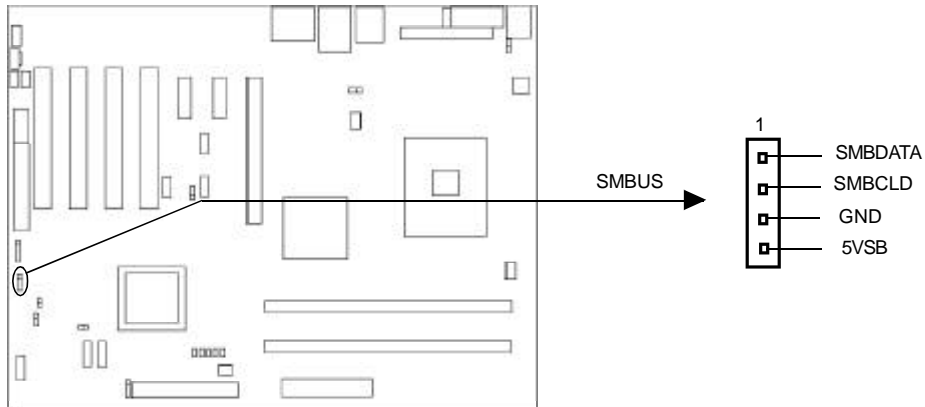


SPDIF_IN Connector



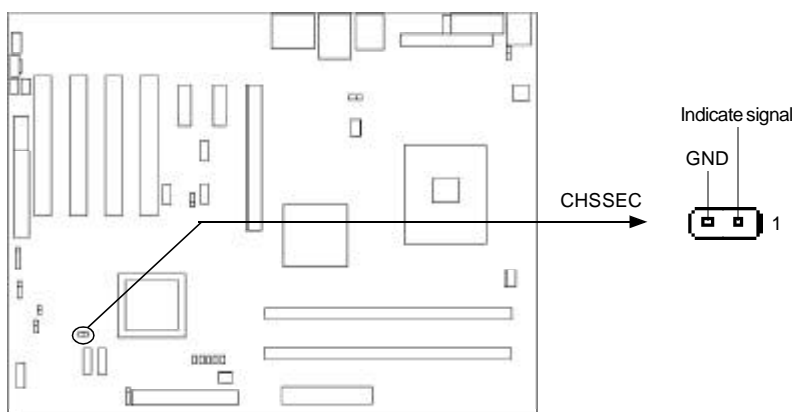
4-pin SMBus Connector(SMBUS)(optional)

This connector allows you to connect SMBus devices. SMBus devices communicate through the SMBus with a SMBus host and/or other SMBus devices. The SMBus or System Management Bus is a specific implementation of I²C bus, which is a multi-master bus, that is, multiple devices can be connected to the same bus and each one can act as a master by initiating data transfer.



Chassis Security Switch (CHSSEC)(optional)

The connector connects to the chassis security switch on the case. The system can detect the chassis intrusion through the status of this connector. If the connector has been closed once, the system will record the status and indicate the chassis has been opened. You can monitor or check this information from some software.

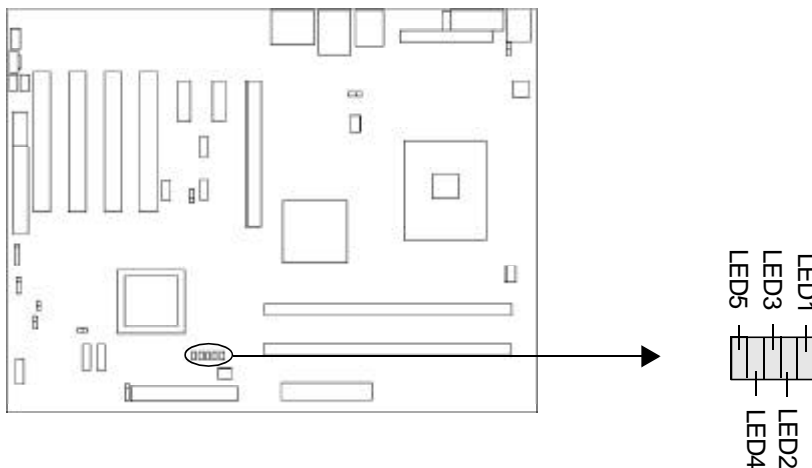


Diagnosis LED




During the POST, the LED1~LED5 representing POST steps and detecting Hyper-threading CPU will light up in turn.







please refer to the following table to learn the POST status:

LED1	LED2	LED3	LED4	LED5	status
blink	off	off	off	off	CPU damaged , BIOS chip absent or damaged
on	off	off	off	off	system detect CPU and initialize chipset
off	on	off	off	off	system detect memory
off	off	on	off	off	system initialize PCI
off	off	off	on	off	system initialize clockgen
off	off	off	off	on	system detect Video and invoke Video BIOS
on	on	on	on	on	Hyper-Threading OK
off	off	off	off	off	ready for loading OS



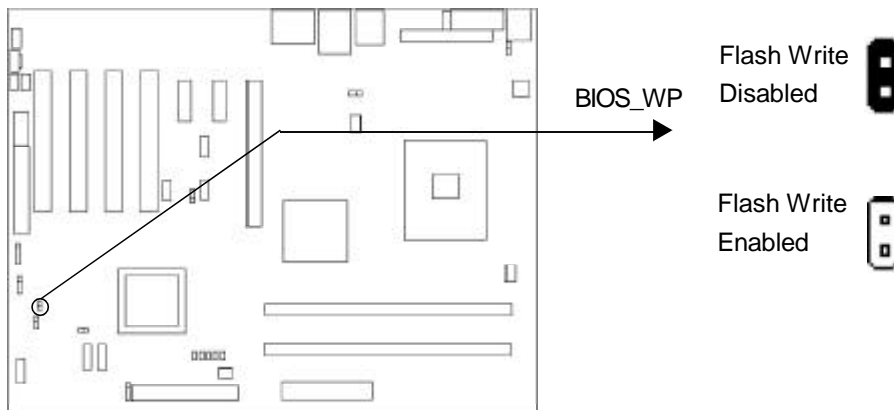
Jumper Settings

Jumpers are located on the mainboard, the clear CMOS jumper CLR_CMOS, etc. Pin 1 for all jumpers are located on the side with a thick white line (Pin1→ ), referring to the mainboard’s silkscreen. Jumpers with three pins will be shown as  to represent pin1 & pin2 (“1-2”) closed and  to represent pin2 & pin3 (“2-3”) closed.

Jumper	Symbol	Description	Represent
		1-2	set pin1 and pin2 closed
		2-3	set pin2 and pin3 closed
		close	set the pins closed
		open	set the pins opened

BIOS-Protection Jumper (BIOS_WP)

The BIOS of the mainboard is inside the FWH. If the jumper BIOS_WP is set as closed, the system BIOS is protected from being attacked by serious virus such as CIH virus, you will be unable to flash the BIOS to the mainboard in this status.

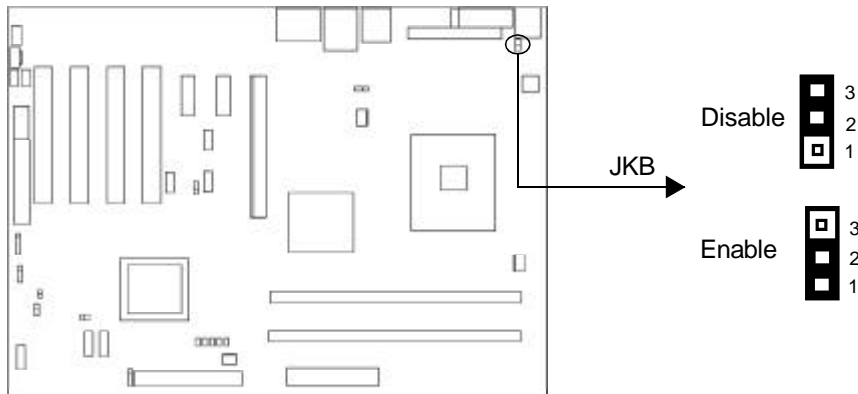


The DMI (Desktop Management Interface) system information such as the CPU type/speed, memory size, and expansion cards will be detected by the onboard BIOS and stored in the flash ROM. Whenever the system hardware configuration is changed, DMI information will be updated automatically. However, setting jumper BIOS_WP as closed makes flashing BIOS and updating DMI information impossible. Therefore, set BIOS_WP as open when changing the system hardware configuration, or the error message “Unknown Flash Type” will be displayed on the screen, and DMI information may not be updated.



Enable keyboard password power-on function (JKB)(optional)

The mainboard provides the advanced keyboard password power-on function. Before using this function, set JKB with pin1 & pin2 closed. Otherwise, set JKB with pin2 & pin3 closed for disabling.

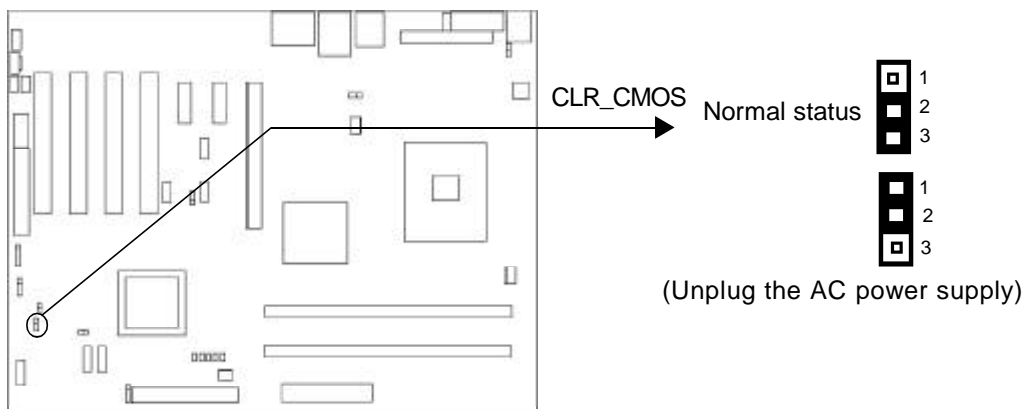


Note:

If using this function, 5VSB line of the power supply should be capable of delivering enough current for all the devices connected to the keyboard port, if not, you will be unable to power up the system using the keyboard.

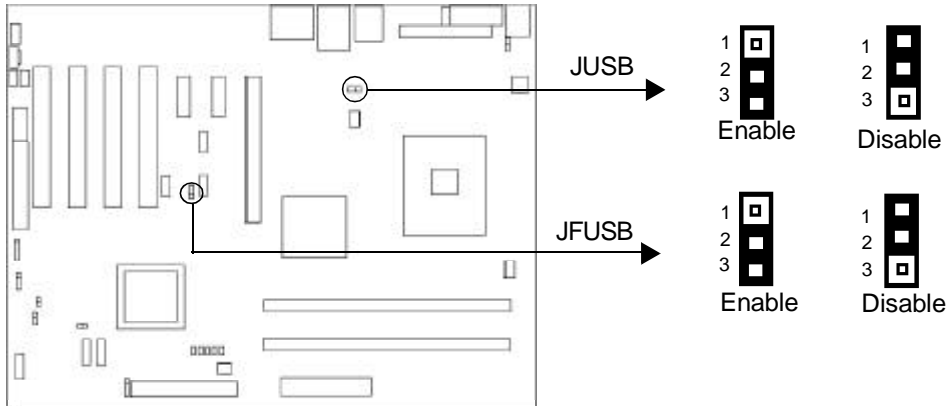
Clear CMOS (CLR_CMOS)

If you want to clear CMOS, unplug the AC power supply first, close CLR_CMOS (pin1 & pin2) once, set CLR_CMOS back to the normal status with pin2 & pin3 connected, then power on the system.



**Enable Front/Back Panel USB Device Wake-up Function (JUSB/JFUSB)
(optional)**

The mainboard provides the advanced USB device wake-up function. The system can be waked up from its power saving status including ACPI S3 by activating USB device. Before using this function, set JUSB/JFUSB with pin2 & pin3 closed. Otherwise, set JUSB/JFUSB with pin1 & pin2 closed for disabling.



Chapter 3



BIOS Description

The mainboard uses AMI BIOS Setup program that provides a Setup utility for users to modify the basic system configuration. The information is stored in CMOS RAM so it retains the Setup information even if the power is turned off. This chapter provides you with the overview of the BIOS Setup.



AMIBIOS Flash Upgrade Method

AFUDOS

AFUDOS is a package of utilities used to update the system BIOS, AFUDOS works in DOS environment.

Before upgrading your BIOS, please note:

- **We strongly recommend you only upgrade BIOS when encounter problems.**
- **Before upgrading your BIOS, review the description below to avoid making mistakes, destroying the BIOS and resulting in a non-working system.**

When you encounter problems, for example, you find your system does not support the latest CPU released after our current mainboard, you may therefore upgrade the BIOS, please don't forget to set BIOS_WP as open and disable the "Flash Write Protect" item in AMI BIOS CMOS Setup first .

Below is the option for this program:

```
afudos /i<ROM filename> [/o<save ROM filename>] [/n] [/p[b][n][c]] [/s] [/q] [/h]
```

/n - don't check ROM ID

/pbnc -

b - Program Boot Block

n - Program NVRAM

c - Destroy System CMOS

/k - Program all non-critical block only

/s - leave signature in BIOS

/q - silent execution

/h - print help

Follow the steps exactly for a successful upgrade.

1. Create a bootable system floppy diskette by typing Format A:/s from the DOS prompt under DOS6.xx or Windows 9x environment.
2. Copy ADUDOS.EXE from the directory \Utility located on QDI Utility CD to new bootable diskette.
3. Download the updated BIOS file from the Website (<http://www.qdigrp.com>). Please be sure to download the suitable BIOS file for your motherboard.
4. Decompress the file download, copy the BIOS file (xxx.ROM) to the bootable diskette.
5. Reboot the system from the bootable diskette created.
6. Then run the AFUDOS utility at the A:\ prompt as shown below:

```
A:\AFUDOS/ixxx.ROM
```

Follow the instruction through the process. Don't turn off power or reset the system until the BIOS upgrade has been completed.

Note:

Because the BIOS Software will be updated constantly, the following BIOS screen and descriptions are for reference purposes only and may not reflect your BIOS screens exactly.



AMI BIOS Description Entering Setup

Power on the computer, when the following message briefly appears at the bottom of the screen during the POST (Power On Self Test), press key to enter the BIOS CMOS Setup Utility.

Press to enter SETUP

When you have entered, the Main Menu appears on the screen. Use the arrow keys to select among the items and press the <Enter> key to accept or enter the sub-menu.



Main Menu

Main Setup

The main settings configure BIOS information such as version, ID, build date and system Date, Time, processor Types and speed etc. Use the arrow keys to highlight the item, then use the <PgUp> or <PgDn> keys to select the value desired in each item.

Advanced Setup

This section configure CPU options, IDE device, Floppy drive, boot settings, superIO chipset, hardware health, ACPI, USB support etc.

PCI PnP Setup

This section describes how to configure the PCI bus system. This section covers some very technical items and it is recommended that only experienced users should make any changes to the default setting.

Boot Settings

The section allow you to configure settings during system boot.

Security Settings

Changes, sets, or disables password. It allows you to configure boot sector virus protection.

Chipset Setup

The chipset features setup is used to change the values of the chipset registers. The registers control most of the system options in the computer.

Power Management Setup

The power management setup menu allows you to configure APM.

Exit Setup

The section allow you to configure exit options, load Optimal Defaults and load failsafe defaults etc.

Note: if you need detailed information about BIOS, please view them in the CD.



Appendix

QDI Utility CD

A QDI Utility CD is supplied with this mainboard, the contents contained in it are showed as below:

1. Driver Install

Using this choice, you can install all the drivers for your mainboard . You should install the drivers in order, and you need to restart your computer until all the drivers are installed.

- | | |
|---------------------|-----------------------------|
| A. Chipset software | B. USB2.0 Driver |
| C. Audio Driver | D. Network Driver(optional) |
| E. Directx | |

2. Browse CD

You could read all the contents contained in this CD, including Utility and Documents.

The files included in Utility are:

- A. AFUDOS.exe

The files included in Documents are:

- A. Adobe Acrobat Reader V5.0
- B. AMI Bios-ch
- C. AMI Bios-en



TurboEasy

Procedures:

1. Connect the reset cable of your PC or outside cable to the turbo switch in front panel.
2. Switch on power to the system and press the key to enter BIOS setup.
3. Enter "Advanced Setup" menu, then enable the "TurboEasy Setting" item in "QDI Features Configuration" and select the CPU/PCIEX/PCI frequency.
4. Press the turbo switch to enable the frequency you selected in CMOS.



Advanced Setup Menu



Warning:

Do not set frequency higher than its working frequency. If you do, we will not be responsible for any damages caused.



Instalación de la placa base QDI P5I915PL(Spanish):

1. Asegúrese que se incluyen los siguientes artículos: Placa base QDI P5I915PL, 1 cable de datos para el puerto IDE y 1 cable de datos para el Floppy, jumpers, 1 manual de usuario QDI P5I915PL y un disco compacto con los controladores de la placa base QDI P5I915PL.
2. Asegúrese de que el cable de la fuente de alimentación esta desconectado y asegúrese de estar en contacto a masa utilizando una pulsera antiestática. Si no dispone de dicha pulsera, toque un objeto directamente conectado a masa o una parte metálica de su equipo como puede ser la caja de este.
3. Fije la placa base en la caja de su equipo con los tornillos especiales que acompañan a su caja.
4. Los jumpers están localizados en la placa base, con ellos se configuran, por ejemplo: Clear CMOS CLR_CMOS, Habilitar BIOS ProtectEasy BIOS_WP etc..., el PIN1 para todos los jumpers esta marcado con una línea más gruesa (Consulte el apartado "Jumper Settings" en el manual de usuario de su placa QDI P5I915PL en el capítulo 2).
5. Inserte el procesador en el socket y conecte el ventilador del procesador en el conector de su placa base QDI P5I915PL marcado como "CPUFAN".
6. Inserte los módulos de memoria en los bancos de memoria DIMM de su placa base QDI P5I915PL.
7. Inserte las tarjetas PCI y/o la tarjeta AGP en las bahías de expansión de su placa base QDI P5I915PL.
8. Conecte los periféricos internos IDE y las disqueteras mediante los cables de datos específicos a su placa base QDI P5I915PL. Asegúrese que la orientación de los cables sea la correcta. (El cable rojo se corresponde con el pin 1).
9. Conecte los cables de la caja del ordenador a su placa base QDI P5I915PL, como el conector de la fuente de alimentación, los testigos de corriente, y lectura de disco duro, interruptores de inicio y reset (consulte el apartado "External Connectors" del manual de usuario de su placa base QDI P5I915PL).
10. Conecte los diferentes periféricos externos como el teclado PS/2, ratón PS/2, serie o USB, los dispositivos USB, el monitor y la impresora a la placa base QDI P5I915PL (consulte el apartado "External Connectors" en el manual de su placa base QDI P5I915PL, en el capítulo 2).
11. Cuando haya finalizado de realizar todas las conexiones, conecte el cable de alimentación a la fuente de alimentación y encienda su PC:



Instalación del sistema:

1. Encienda su equipo mediante el interruptor de encendido de la caja.
2. Presione la tecla « Supr » para entrar en el menú de configuración de la BIOS.
3. Seleccione los valores de la Bios en concordancia con la configuración de su sistema (Nosotros le recomendamos que deje los valores establecidos por la Bios por defecto, para evitar posibles fallos que ocasionen que su sistema no funcione correctamente). Para más información las funciones de la Bios, consulte el apartado “BIOS Description” en el manual de usuario de la placa base QDI P5I915PL). Presione la tecla « F10 » y seleccione la opción “Save & Exit Setup” en el menú de configuración de la Bios para guardar los cambios y reiniciar el sistema.
4. Instale el sistema operativo en el disco duro, no se olvide de seleccionar la secuencia de inicio correcta para que el sistema operativo pueda iniciarse.
5. Después de la instalación del sistema operativo, asegúrese que no hay conflictos con ningún dispositivo de su sistema.
6. Entonces, después del último paso, proceda a la instalación de los controladores de los diferentes dispositivos.

Un disco compacto con controladores de QDI esta incluido en el paquete de la placa base QDI P5I915PL.

1. Instalación de los controladores

Usted puede instalar todos los controladores para su placa base facilmente. Tiene que instalar los controladores en el siguiente orden para un correcto funcionamiento del sistema, y es necesario reiniciar el equipo antes de finalizar la instalación de los controladores.

- | | |
|---------------------|-----------------------------|
| A. Chipset software | B. USB2.0 Driver |
| C. Audio Driver | D. Network Driver(optional) |
| E. Directx | |

2. Navegue por el CD

Usted puede leer todos los documentos incluidos en este CD, incluidos Utility and Documents.

Los ficheros incluidos en **Utility** son:

- A. AFUDOS.exe



Manuel d'installation des cartes mères de la série QDI

P5I915PL (French):

Intégration du système :

1. Vérifier la présence de chaque élément dans la boîte de la carte mère de la série QDI P5I915PL :
 - Une carte mère de la série QDI P5I915PL.
 - Un CD-ROM d'installation QDI.
 - Un manuel d'utilisation de la carte mère QDI P5I915PL.
 - Un sachet de cavaliers.
 - Une nappe IDE compatible avec la norme ATA/66 destinée au lecteur de disque dur.
 - Une nappe destinée au lecteur de disquette.
 - Un fond de panier métallique destiné à l'unité centrale de l'ordinateur
 - (Caractéristique technique optionnelle).
 - Un câble d'extension destiné à permettre l'exploitation des ports USB 3 et
 - USB 4 ou USB 5 et USB 6 (Caractéristique technique optionnelle).
2. Vérifier que le câble électrique relié au boîtier d'alimentation de l'unité centrale de l'ordinateur est déconnecté. Se relier à la terre grâce à un bracelet lié au poignet. A défaut de disposer d'un bracelet, maintenir un contact physique avec un objet lui-même relié à la terre, ou à une partie métallique du système comme la structure de l'unité centrale de l'ordinateur.
3. Fixer la carte mère dans l'unité centrale de l'ordinateur grâce aux vis fournies avec cette dernière lors de son achat.
4. S'assurer que la carte mère de la série QDI P5I915PL est matériellement correctement configurée, pour cela vérifier que les cavaliers insérés sur les broches intégrées de cette dernière sont correctement positionnés. Dans ce but il est important de se référer à la section nommée « Configuration des cavaliers » du chapitre numéro 2 nommé « Instructions d'installation » contenu dans le manuel d'utilisation livré avec la carte mère de la série QDI P5I915PL lors de son achat.
5. Connecter le processeur dans le socket intégré à la carte mère de la série QDI P5I915PL et prévu à cet effet. Fixer le système de refroidissement de ce dernier et connecter son ventilateur sur les broches nommées « CPUFAN » intégrées à la carte mère de la série QDI P5I915PL et prévu à cet effet.
6. Connecter les éventuelles barrettes de mémoire dans les slots intégrés à la carte mère de la série QDI P5I915PL et prévu à cet effet.
7. Connecter les éventuelles cartes d'extension au format AGP, PCI dans les slots intégrés à la carte mère de la série QDI P5I915PL et prévu à cet effet
8. Connecter les éventuels périphériques IDE ainsi que le lecteur de disquette à la carte mère de la série QDI P5I915PL grâce aux nappes fournies avec cette dernière lors de son achat. S'assurer que l'orientation des nappes connectées est correcte en vérifiant



que le liseré rouge de ces dernières correspond à l'emplacement de la broche numéro 1 du connecteur.

9. Connecter les câbles de l'unité centrale de l'ordinateur sur les broches intégrées à la carte mère de la série QDI P5I915PL et prévues à cet effet. Dans ce but il est important de se référer à la section nommée « Connecteurs externes » du chapitre numéro 2 nommé « Instructions d'installation » contenu dans le manuel d'utilisation livré avec la carte mère de la série QDI P5I915PL lors de son achat.
10. Raccorder les périphériques externes sur les connecteurs de fond de panier intégrés à la carte mère de la série QDI P5I915PL. Dans ce but il est important de se référer à la section nommée « Connecteurs externes » du chapitre numéro 2 nommé « Instructions d'installation » contenu dans le manuel d'utilisation livré avec la carte mère de la série QDI P5I915PL lors de son achat.
11. Lorsque tous les éléments du système sont correctement intégrés, il est possible de reconnecter le câble électrique au boîtier d'alimentation de l'unité centrale de l'ordinateur.

Installation du système :

1. Démarrer le système en pressant l'interrupteur de fonctionnement de l'unité centrale de l'ordinateur.
2. Presser la touche "Suppr" du clavier afin d'entrer dans le menu de BIOS.
3. Dans le menu de BIOS nommé "QDI Innovation features", ajuster la fréquence de fonctionnement du processeur. Attention, il est fortement recommandé de charger les réglages de sûreté par défaut afin d'éviter un éventuel dysfonctionnement du système. Dans ce but il est important de se référer à la section nommée « Description du BIOS Award » du chapitre numéro 3 nommé « Description du BIOS » contenu dans le manuel d'utilisation livré avec la carte mère de la série QDI P5I915PL lors de son achat.
4. Procéder à l'installation du système d'exploitation sur le lecteur de disque dur intégré au système. Dans ce but il est important de vérifier que la séquence de démarrage du système paramétrable à partir du menu de BIOS permet à la procédure d'installation du système d'exploitation de s'initialiser.
5. Une fois l'installation du système d'exploitation achevée, vérifier qu'il ne subsiste aucun conflit ou périphérique inconnu au sein du système.
6. Après cette étape, procéder à l'installation des pilotes de chaque périphérique détecté par la carte mère de la série QDI P5I915PL.



Lors de son achat un CD-ROM d'installation QDI est livré avec la carte mère de la série QDI P5I915PL.

1. Driver Install :

Avec cette option, il est possible d'installer les pilotes de la carte mère de la série QDI P5I915PL aisément. Il est important d'installer les pilotes en respectant l'ordre prédéfini et de redémarrer le système après avoir effectué l'installation de tous les pilotes.

Applications contenues dans le dossier :

- | | |
|---------------------|-----------------------------|
| A. Chipset software | B. USB2.0 Driver |
| C. Audio Driver | D. Network Driver(optional) |
| E. Directx | |

2. Browse CD :

Avec cette option, il est possible de consulter l'ensemble des données contenues sur le CD-ROM d'installation QDI

Applications contenues dans le dossier :

- A. AFUDOS.exe.



QDI P5I915PL installazione mainboard (Italian):

1. Assicurarsi che la scatola sia completa: QDI P5I915PLmainboard, cavo IDE e Floppy, jumpers, manuale dell'utente della mainboard QDI P5I915PL e cd-rom drivers.
2. Controllare che il cavo alimentazione proveniente dal computer-case sia sconnesso assicurarsi inoltre di aver indossato correttamente il bracciale da polso collegato a massa. In mancanza di questo toccare un punto a massa o una parte metallica del case
3. Fissare la mainboard nel case con le speciali viti fornite con il computer-case
4. I jumper locati sulla mainboard rappresentano: CLR_CMOS azzeratore BIOS, BIOS_WP abilitatore/disabilitatore in BIOS della funzione protectEasy; per tutti i jumper il PIN 1 e' contrassegnato da un spessa linea bianca (consultare il manuale al capitolo 2 " JUMPER ANDSETTINGS")
5. Inserire il processore nell'apposito slot ; la ventola del processore deve essere collegato nello speciale connettore targato " CPUFAN ".
6. Inserire il modulo/i di memoria nell'apposito memory slots
7. Inserire le periferiche Pci negli appositi Pci slots
8. Collegare le periferiche IDE e il FLOPPY con l'apposito cavo fornito con la mainboard negli specifici connettori marcati. Assicurarsi che l'orientamento del cavo sia corretto. (La linea rossa sul cavo deve essere inserita nell'apposito connettore in corrispondenza del pin 1)
9. Connettere la mainboard con: il cavo di alimentazione proveniente dall'alimentatore, il connettore dell'interuttore di stand by, il connettore del led di segnalazione "acceso", il connettore led di funzionalita' HARD DISK, il connettore dello speaker interno al CASE..... (consultare il manuale capitolo 2. " EXTERNAL CONNECTORS". Dopo chiudere il CASE)
10. Connettere le differenti periferiche esterne come il PS/2 mouse, la PS/2 tastiera, le prese USB, il monitor e la stampante con gli specifici connettori posizionati sulla faccia esterna della mainboard.
11. Quando la vostra configurazione sara' tutta connessa, agganciare il cavo di alimentazione.

Installazione di sistema

1. Portare in posizione di acceso l'interuttore di ACCESO
2. Usare il tasto DEL per entrare nel software di configurazione del BIOS
3. Regolare le funzioni del BIOS in accordo con la configurazione di sistema (Noi ti raccomandiamo di usare l'impostazione di default per evitare rischi di anomalie di funzionalita'). Per maggiori informazioni controllare il capitolo 3, sezione "BIOS DESCRIPTION". Premere F10 sulla tastiera o scegliere "SAVE and EXIT" dal menu di BIOS per salvare le impostazioni scelte ed uscire dal BIOS program.
4. Installare il sistema operativo , non dimenticando di mettere nelle giuste condizioni di partenza la sequenza di boot.
5. Dopo una giusta installazione accertarsi che non vi siano conflitti tra le periferiche in



uso

6. Dopo questo ultimo passo procedere all'installazione dei driver delle varie periferiche

IL CD CONTENENTE I DRIVER DELLA VOSTRA MAINBOARD QDI E' CONTENUTO NELLA SCATOLA

1. Installazione driver

E' possibile installare tutti i driver della Vs. mainboard in modo facile e veloce. Dovreste installare i driver nella seguente successione, finito cio' bisogna far ripartire il personal computer.

- | | |
|---------------------|-----------------------------|
| A. Chipset software | B. USB2.0 Driver |
| C. Audio Driver | D. Network Driver(optional) |
| E. Directx | |

2. Guardando il CD

Questo manuale di installazione e' disponibile anche nella sua versione elettronica all'interno del cd accompagnativo, insieme anche diverse utili quali:

- A. AFUDOS.exe



Using 4-/6-Channel Audio(4-/6- Channel Audio Interface)(ALC655)

The motherboard is equipped with Realtek ALC655 chip, which provides support for 6-channel audio output, including 2 Front, 2 Rear, 1 Center and 1 Subwoofer channel. ALC655 allows the board to attach 4 or 6 speakers for better surround sound effect. The section will tell you how to install and use 4/6-channel audio function on the board.

Installing the Audio Driver

The Realtek ALC655 chipset driver has to be installed before the 4-/6-Channel audio function can be used.

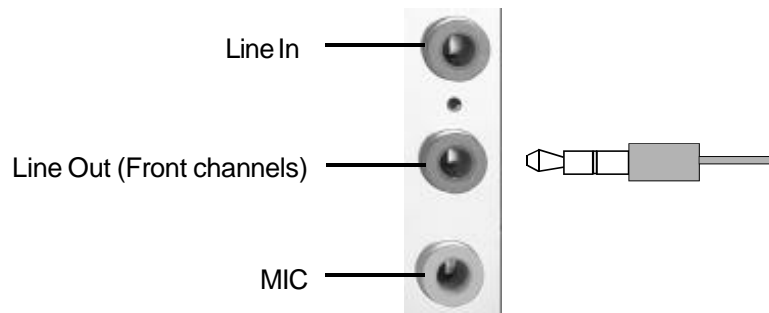
Using 4-/6-channel Audio Function

You can start to use the 4-/6-channel audio function After the driver is installed completely. The first, you can connect 4 or 6 speakers to the audio output connector. Then open utility to set the work parameter.

Attaching speakers

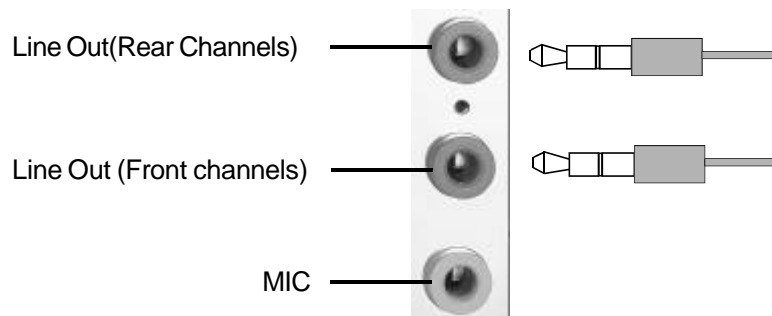
To perform multichannel audio operation, connect multiple speakers to the system. You should connect the same number of speakers as the audio channels you will select in the software utility.

2-Channel Analog Audio Output



Description: Line Out, Line In and MIC functions all exist under 2-channel configuration.

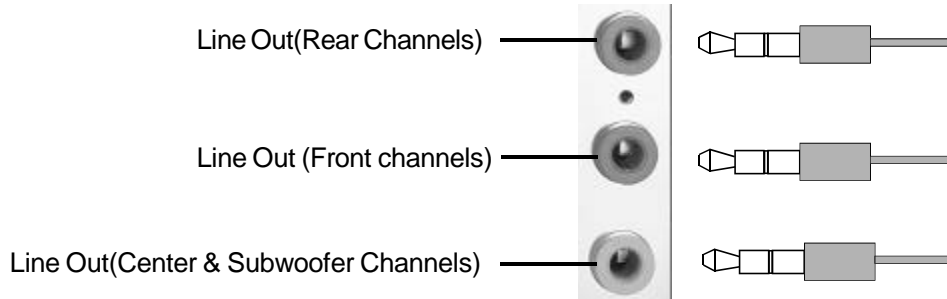
4-Channel Analog Audio Output



Description: Line In is converted to Line Out function under 4-channel configuration.

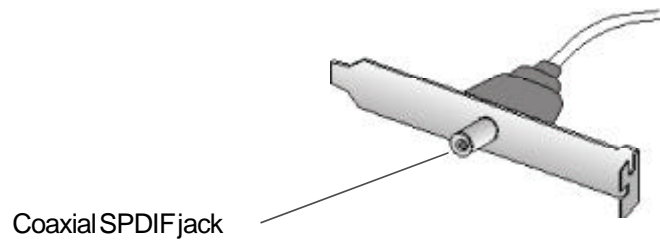


6-Channel Analog Audio Output



Description: Both Line In and MIC are converted to Line Out function under 6-channel configuration.


Digital Audio Output

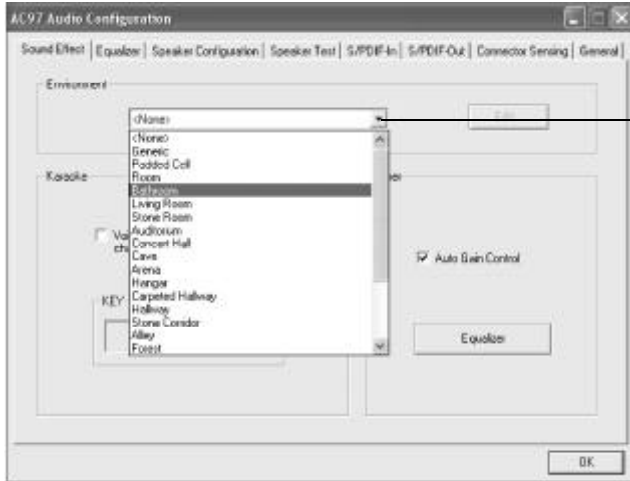


Description: Connet the SPDIF speakers to the Coaxial SPDIF jack.



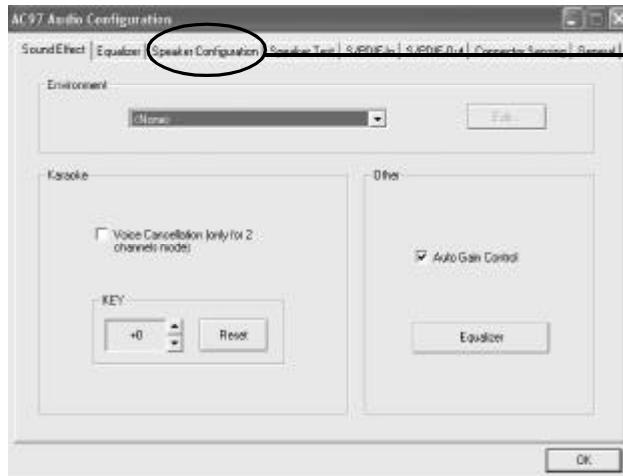
Selecting 4- or 6-Channel Setting(for ALC655)

1. Click the audio icon  from the window tray at the bottom of the screen.
2. Select any surround sound effect you prefer from the “Environment” pull-down menu under the Sound Effect tab.



Click here and the pull-down menu will appear

3. Click the Speaker Configuration tab.

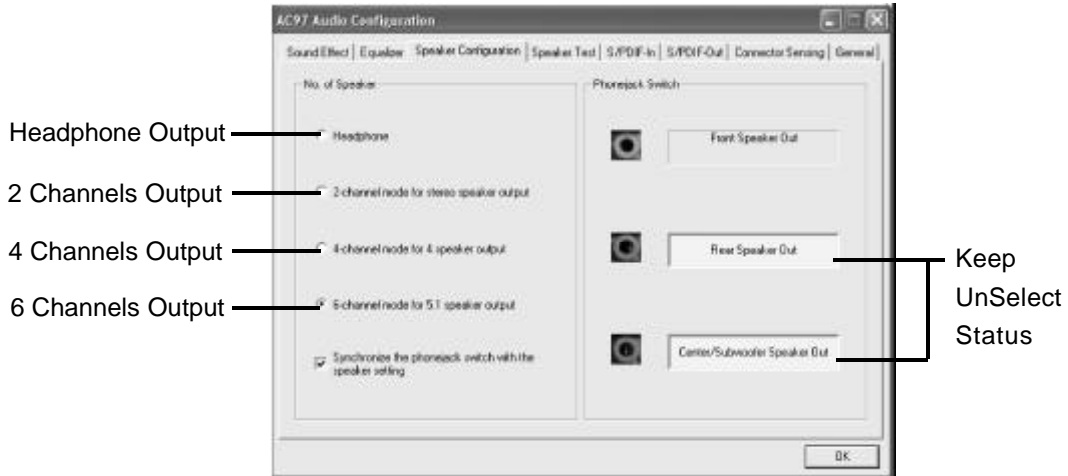


Click here



Appendix

4. The following window appears.



5. Select the multi-channel operation you prefer from No. of Speakers.


6. Click OK

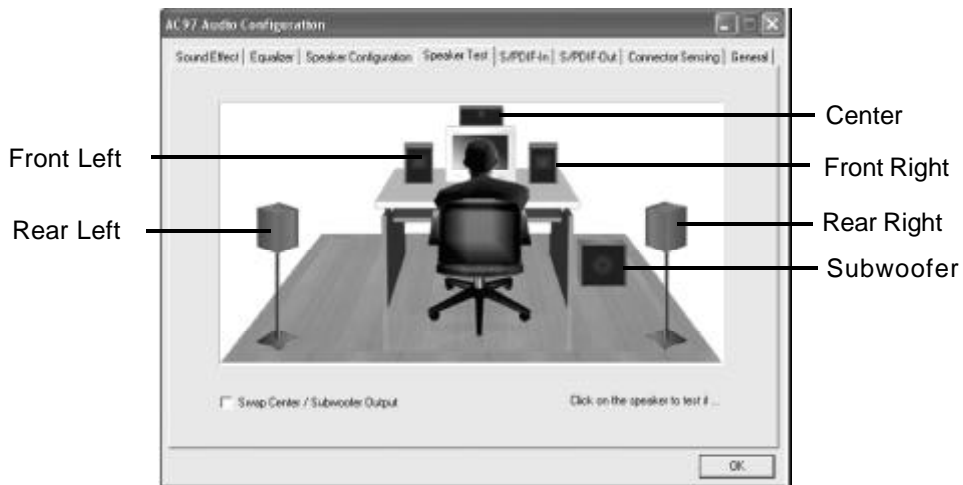
Testing the Connected Speakers

To ensure 4- or 6-channel audio operation works properly, you may need to test each connected speaker to make sure every speaker work properly. If any speaker fails to sound, then check whether the cable is inserted firmly to the connector or replace the bad speakers with good ones.

Testing Each Speaker

The following window appears.

1. Click the audio icon  from the window tray at the bottom of the screen.
2. Click the Speaker Test tab.
3. The following window appears.




4. Select the speaker which you want to test by clicking on it.

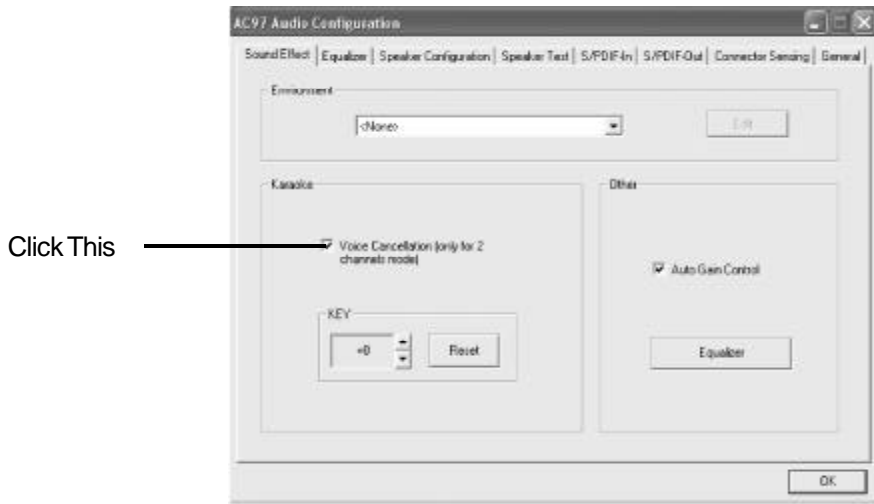


Playing KaraOK

The KaraOK function will automatically remove human voice (lyrics) and leave me-lody for you to sing the song. **The function is applied only for 2-channel audio operation**, so make sure channel mode is selected in the “No. of Speakers” column before playing KaraOK.

Playing KaraOK

1. Click the audio icon  from the window tray at the bottom of the screen.
2. Make sure the Sound Effect tab is selected.
3. Select Voice Cancellation in the “Karaoke” column.



4. Click OK.



Selecting 8-Channel Setting(for ALC880)

The Realtek ALC880 provides 8-channel audio capability to deliver the ultimate audio experience on your PC.

First install the ALC880 Audio driver from the QDI CD that came with the motherboard package. If the Realtek audio software is correctly installed, you will find the SoundEffect icon on the taskbar. From the taskbar, Double-click on the SoundEffect to display the Realtek Audio Control Panel.



Sound Effect Options

The ALC 880 allows you to set your listening environment, adjust the equalizer, set the karaoke or select pre-programmed equalizer settings for your listening pleasure.

To set the sound effect options:

1. from the Realtek Audio Control Panel, click the Sound Effect button.
2. click the shortcut buttons to change the acoustic environment, adjust the equalizer, or set the karaoke to your desired settings.
3. the audio settings take effect immediately after clicking on the buttons.
4. click the Exit button on the upper-ring hand corner of the window to exit.



Appendix

SPDIF Options

The SPDIF options allows you to change your SPDIF output settings.

To set the SPDIF options:

1. from the Realtek Audio Control Panel, click the SPDIF button.
2. click the shortcut buttons to change the SPDIF settings.
3. click the Exit button on the upper-ring hand corner of the window to exit.



Speaker Configuration

The option allows you to set your speaker configuration.

To set the speaker configuration:

1. from the Realtek Audio Control Panel, click the speaker configuration button.
2. select from the combo list box your current speaker setup, then click Auto Test to test your settings.
3. click the Exit button on the upper-ring hand corner of the window to exit.



Appendix

3D Audio Demo

The option shows a demo of the 3D Audio functions.

To start the 3D Audio Demo:

1. from the Realtek Audio Control Panel, click the 3D Audio Demo button.
2. click the option buttons to change the sound, moving path or EAX settings.
3. click the play button to start or the stop button to stop.
4. click the Exit button on the upper-ring hand corner of the window to exit.



General settings

The option shows the audio settings and allows you to change the language setting or toggle the SoundEffect icon display on the windows taskbar.

To display the general settings:

1. from the Realtek Audio Control Panel, click the general button.
2. click the option button to enable or disable the icon display on the windows taskbar.
3. click the language combo list box to change language display.
4. click the Exit button on the upper-ring hand corner of the window to exit.



Appendix

Audio Wizard

The option detect the rear panel or front panel device plugged in.

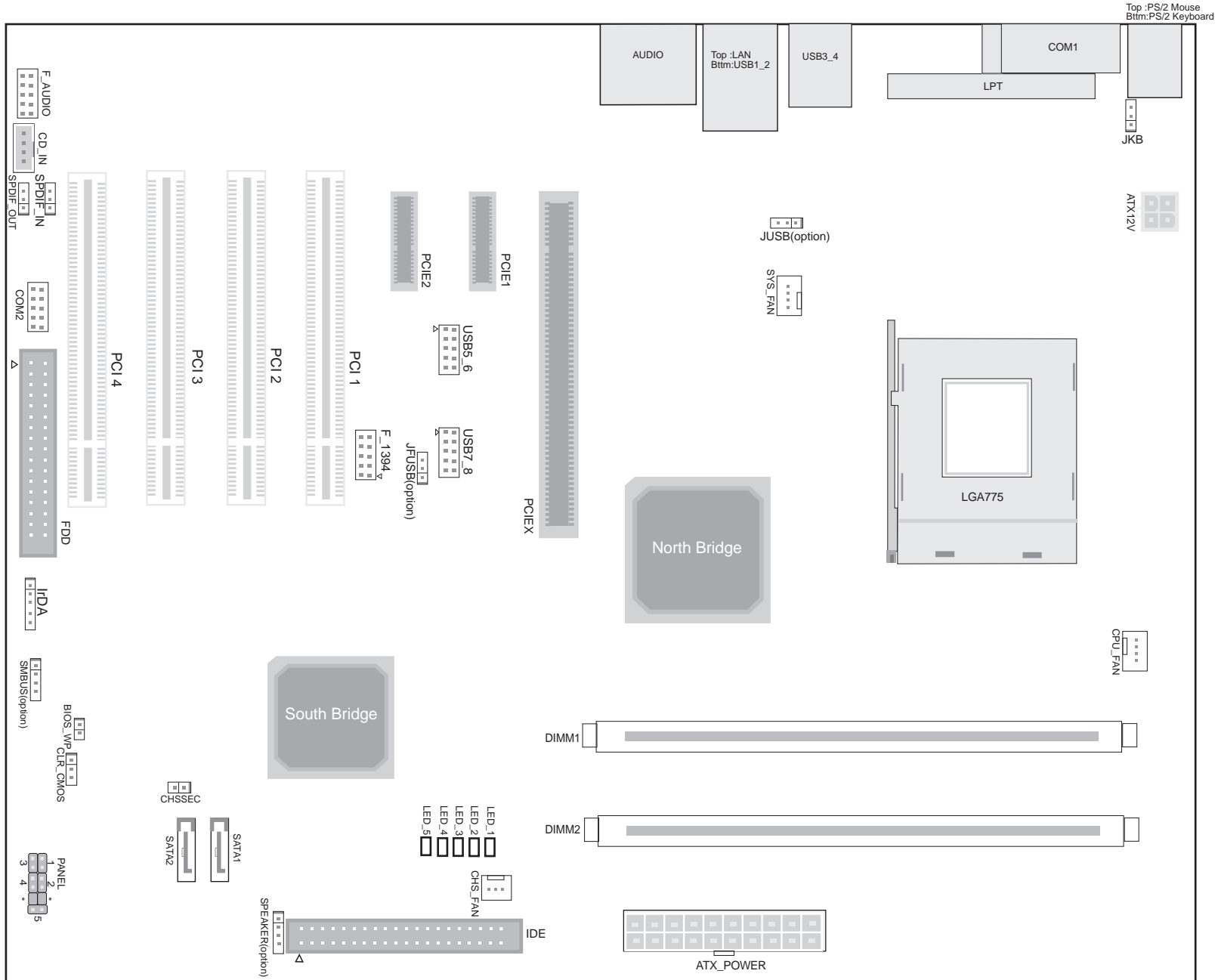
To start the Audio wizard:

1. from the Realtek Audio Control Panel, click the Audio wizard button.
2. click the back panel button to detect the device plugged in.
3. click the Exit button on the upper-ring hand corner of the window to exit.



Board Layout of P5I915PL

Note:
The layout includes all options.
It is for your reference only.



Note: pin1 for a jumpers are located on the side with black line.
 1. PWR_LED 2. PWR_SW * EMPTY 3. HDD_LED 4. RESET * REVERSE 5. TURBO