

P5BV3+/e

Rev. C+

**System Board
Carte Mère Manuel
System-Platine**

**User's Manual
Pour Utilisateur
Benutzerhandbuch**

Copyright

This publication contains information that is protected by copyright. No part of it may be reproduced in any form or by any means or used to make any transformation/adaptation without the prior written permission from the copyright holders.

This publication is provided for informational purposes only. The manufacturer makes no representations or warranties with respect to the contents or use of this manual and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. The user will assume the entire risk of the use or the results of the use of this document. Further, the manufacturer reserves the right to revise this publication and make changes to its contents at any time, without obligation to notify any person or entity of such revisions or changes.

© 1999. All Rights Reserved.

Trademarks

Microsoft® MS-DOS®, Windows™, Windows® 95 and Windows® 98 are registered trademarks of Microsoft Corporation. Intel and Pentium are registered trademarks of Intel Corporation. Cynix, 6x86, 6x86L, 6x86MX and M II are registered trademarks of Cyrix Corporation. AMD, K5, K6, K6-2 and K6-III are registered trademarks of Advanced Micro Devices, Inc. IBM is a registered trademark of International Business Machine Corporation. IDT C6, WinChip2 and WinChip3 are registered trademarks of IDT Corporation. Award is a registered trademark of Award Software, Inc. Other trademarks and registered trademarks of products appearing in this manual are the properties of their respective holders.

Caution:

Danger of explosion if battery incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.

Dispose of used batteries according to the battery manufacturer's instructions.

FCC and DOC Statement on Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

Notice:

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables must be used in order to comply with the emission limits.

Table of Contents / Sommaire / Inhaltsverzeichnis

Chapter 1 - Introduction

1.1 Features and Specifications.....	4
1.2 Package Checklist.....	6

Chapter 2 - Hardware Installation

2.1 System Board Layout	7
2.2 DIP Switch and Jumper Settings of the Processors.....	8
2.3 Jumper Settings for Clearing CMOS Data.....	14
2.4 Jumper Settings for SDRAM Clock (DIMM).....	15
2.5 Connectors.....	16

Chapter 3 - Award BIOS Setup Utility

3.1 Entering the Award BIOS Setup Utility.....	20
3.2 Setting the Date and Time.....	21
3.3 Selecting the Hard Drive and Floppy Drive Type.....	22
3.4 Selecting the Drive to be Searched First for an Operating System.....	23
3.5 Loading Fail-Safe Settings/Optimal Settings.....	24
3.6 Setting the Supervisor/User Password.....	25

Chapter 4 - Supported Softwares

4.1 Drivers.....	27
------------------	----

Appendix A - System Error Messages

A.1 POST Beep.....	28
A.2 Error Messages.....	28



Note:

The user's manual in the provided CD contains detailed information about the system board. If, in some cases, some information doesn't match those shown in this manual, this manual should always be regarded as the most updated version. To view the user's manual, insert the CD into a CD-ROM drive. The autorun screen (Main Board Utility CD) will appear. Click "User's Manual".

Chapter I - Introduction / Introduction / Einleitung

1.1 Features and Specifications

Caractéristiques et Spécifications

Leistungsmerkmale und Technische Daten

1.1.1 Features / Caractéristiques / Leistungsmerkmale

Chipset

- VIA® Apollo 598MVP AGP system chipset

Processor

The system board is equipped with a 321-pin ZIF (Super Socket 7). It is also equipped with a switching voltage regulator that automatically detects 2.0V to 3.5V.

- AMD® K5 PR90/PR100/PR120/PR133/PR166, K6-166/200/233/266/300, K6-2/250/266/300/333/350/366/380/400/450 or K6-III/400
- Intel Pentium® 90/100/120/133/150/166/200MHz or Intel Pentium® processor with MMX™ technology-166/200/233MHz
- Cyrix® 6x86L PR150+/PR166+/PR200+, 6x86MX-PR166/PR200/PR233/PR266 or M II-200/266/300/333/366/380/400
- IBM® 6x86MX-PR200/PR233/PR266/PR300/PR333
- IDT® C6-180/200/225/240, WinChip2-200/225/233/240/266/300 or future WinChip3 series

System Memory

- 16MB to 256MB memory using unbuffered DIMMs
- Uses PC-100 SDRAM for 100MHz external system bus clock processors
- Two 168-pin DIMM sockets using x64 SDRAM, 3.3V

DIMMs	Memory Size	DIMMs	Memory Size
2MBx64	16MB	8MBx64	64MB
4MBx64	32MB	16MBx64	128MB

Level 2 Cache Memory

512KB or 1MB pipeline burst, direct map write-through cache installed on the system board.

Expansion Slots

The system board is equipped with 1 dedicated AGP slot, 2 dedicated PCI slots, 1 dedicated 16-bit ISA slot and 1 shared PCI/ISA slot. All PCI and ISA slots are bus masters.

Desktop Management Interface (DMI)

The system board comes with a DMI 2.0 built into the BIOS. The DMI utility in the BIOS automatically records various information about your system configuration and stores this information in the DMI pool, which is a part of the system board's Plug and Play BIOS. DMI, along with the appropriately networked software, is designed to make inventory, maintenance and troubleshooting of computer systems easier.

Connectors

- 2 connectors for external USB ports
- 1 connector for IrDA interface
- 2 serial ports
- 1 parallel port
- 2 IDE connectors
- 1 floppy connector
- 1 PS/2 mouse port
- 1 PS/2 or AT keyboard port
- 1 12-pin standard AT power supply connector
- 1 fan connector for CPU fan

PCI Bus Master IDE Controller

- Two PCI IDE interfaces support up to four IDE devices
- Ultra DMA/33 supported (Synchronous Ultra DMA mode - data transfer rate up to a maximum of 33MB/sec.)
- PIO Mode 3 and Mode 4 Enhanced IDE (data transfer rate up to 16.6MB/sec.)
- Bus mastering reduces CPU utilization during disk transfer
- ATAPI CD-ROM, LS-120, ZIP supported and SCSI sequential boot-up.

IrDA Interface

The system board is equipped with an IrDA connector for wireless connectivity between your computer and peripheral devices. It supports peripheral devices that meet the IrDA or ASKIR standard.

USB Ports

The system board is equipped with two connectors for external USB ports. USB allows data exchange between your computer and a wide range of simultaneously accessible external Plug and Play peripherals.

BIOS

- Award BIOS, Windows® 95/98 Plug and Play compatible
- Flash EPROM for easy BIOS upgrades
- 1MB flash memory (2MB - optional, includes SDMS function)

1.1.2 Intelligence / Intelligence / Intelligente Ausstattungsteile

Virus Protection

Most viruses today destroy data stored in hard drives. The system board is designed to protect the boot sector and partition table of your hard disk drive.

1.2 Package Checklist

Liste de Vérification de l'Emballage

Verpackungsliste

The system board package contains the following items:

- The system board
- A user's manual
- Serial, mouse and printer port cables
 - Option 1:
 - One card-edge bracket with a 9-pin and 25-pin serial port cables
 - One card-edge bracket with a 25-pin printer port cable and a PS/2 mouse port cable
 - Option 2:
 - One card-edge bracket with two 9-pin serial port cables and a PS/2 mouse port cable
 - One 25-pin printer port cable for chassis mounting
- One 40-pin IDE hard disk cable
- One 34-pin floppy disk drive cable
- One CD
- One card-edge bracket with two USB ports (optional)

If any of these items are missing or damaged, please contact your dealer or sales representative for assistance.

Chapter 2 - Hardware Installation

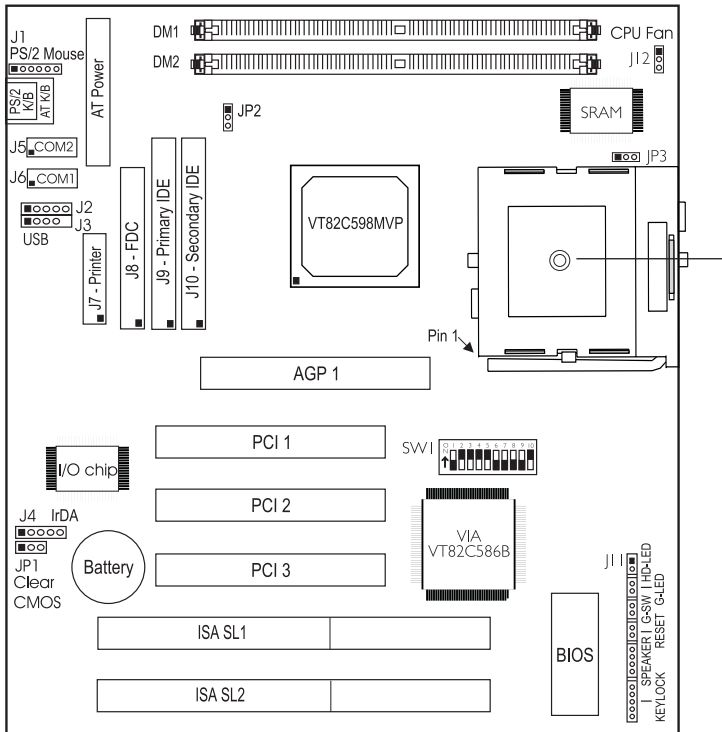
Installation du Matériel

Installation der Hardware

2.1 System Board Layout

Position de la Carte Système

Aufbau der Hauptplatine



Mounting hole used for installing a mounting screw to secure the system board to the chassis.



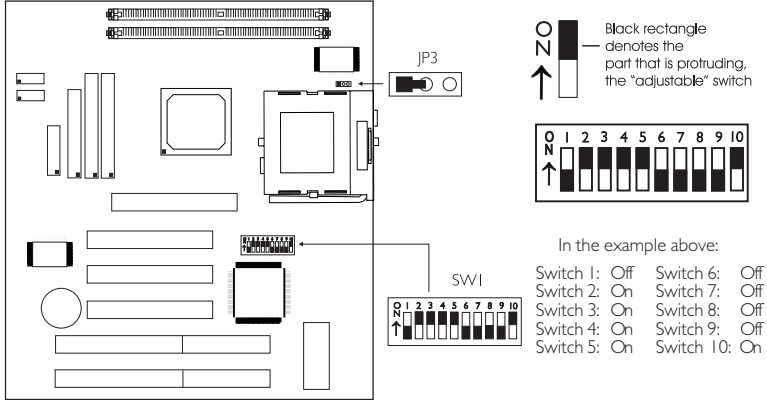
Warning:

Remember to remove the mounting screw located underneath the processor prior to removing the system board from the chassis. To access the mounting screw, you must first loosen the fan/heatsink and remove the processor.

2.2 DIP Switch and Jumper Settings of the Processors

Positionnement des Cavaliers sur le Processeurs

DIP Schaltereinstellungen für den Prozessor



DIP Switch Settings for Intel Processors



















Intel Processors	SW1: 1-6	Intel Processors	SW1: 1-6
90MHz - 60MHz - 1.5x		166MHz - 66MHz - 2.5x	
100MHz - 66MHz - 1.5x		200MHz - 66MHz - 3x	
120MHz - 60MHz - 2x		MMX166MHz* - 66MHz - 2.5x	
133MHz - 66MHz - 2x		MMX200MHz - 66MHz - 3x	
150MHz - 60MHz - 2.5x		MMX233MHz - 66MHz - 3.5x	

* Default







DIP Switch Settings for AMD Processors

AMD Processors	SW1: 1-6	AMD Processors	SW1: 1-6
K5 PR90 - 60MHz - 1.5x		K6-2/266 - 66MHz - 4x	
K5 PR100 - 66MHz - 1.5x		K6-2/300 - 66MHz - 4.5x	
K5 PR120 - 60MHz - 2x		K6-2/300 - 100MHz - 3x	
K5 PR133 - 66MHz - 2x		K6-2/333 - 66MHz - 5x	
K5 PR166 - 66MHz - 2.5x		K6-2/333 - 95MHz - 3.5x	
K6-166 - 66MHz - 2.5x		K6-2/350 - 100MHz - 3.5x	
K6-200 - 66MHz - 3x		K6-2/366 - 66MHz - 5.5x	
K6-233 - 66MHz - 3.5x		K6-2/380 - 95MHz - 4x	
K6-266 - 66MHz - 4x		K6-2/400 - 100MHz - 4x	
K6-300 - 66MHz - 4.5x		K6-2/450 - 100MHz - 4.5x	
K6-2/250 - 100MHz - 2.5x		K6-III/400 - 100MHz - 4x	











DIP Switch Settings for Cyrix Processors

Cyrix Processors	SW1: 1-6	Cyrix Processors	SW1: 1-6
6x86L PR150+ - 60MHz - 2x		M II-300 - 66MHz - 3.5x	
6x86L PR166+ - 66MHz - 2x		M II-300 - 75MHz - 3x	
6x86L PR200+ - 75MHz - 2x		M II-333 - 66MHz - 4x	
6x86MX-PR166 - 60MHz - 2.5x		M II-333 - 75MHz - 3.5x	
6x86MX-PR200 - 66MHz - 2.5x		M II-333 - 83MHz - 3x	
6x86MX-PR233 - 75MHz - 2.5x		M II-366 - 83MHz - 3.5x	
6x86MX-PR266 - 83MHz - 2.5x		M II-366 - 100MHz - 2.5x	
M II-200 - 66MHz - 2.5x		M II-380 - 100MHz - 3x	
M II-266 - 66MHz - 3x		M II-400 - 95MHz - 3.5x	

DIP Switch Settings for IBM Processors

IBM Processors	SW1: 1-6	IBM Processors	SW1: 1-6
6x86MX-PR200 - 66MHz - 2.5x		6x86MX-PR300 - 66MHz - 3.5x	
6x86MX-PR233 - 75MHz - 2.5x		6x86MX-PR300 - 75MHz - 3x	
6x86MX-PR266 - 83MHz - 2.5x		6x86MX-PR333 - 83MHz - 3x	









DIP Switch Settings for IDT Processors

IDT Processors	SW1: 1-6	IDT Processors	SW1: 1-6
C6-180 - 60MHz - 3x		WinChip2-225 - 75MHz - 3x	
C6-200 - 66MHz - 3x		WinChip2-233 - 66MHz - 3.5x	
C6-225 - 75MHz - 3x		WinChipP2-240 - 60MHz - 4x	
C6-240 - 60MHz - 4x		WinChip2-266 - 100MHz - 2.33x	
WinChip2-200 - 66MHz - 3x		WinChip2-300 - 100MHz - 2.5x	









External System Bus Clock / Frequency Ratio - DIP Switch Settings

If the processor you are using is not included in the previous tables, please refer to the tables below and set SW1 according to the external system bus clock and frequency ratio of your processor.







Frequency Ratio Settings for AMD, Cryix, Intel and IBM Processors

Frequency Ratio	SW1: 4-6	Frequency Ratio	SW1: 4-6
1.5x / 3.5x		4x	
2x		4.5x	
2.5x		5x	
3x		5.5x	

Frequency Ratio Settings for IDT Processors

Frequency Ratio	SW1: 4-6	Frequency Ratio	SW1: 4-6
3.5x		4x	
2x/3.3x		4.5x	
2.5x		2.33x/5x	
3x		2.66x/5.5x	

External System Bus Clock Settings

External System Bus Clock	SW1: 1-3	External System Bus Clock	SW1: 1-3
60MHz		83MHz	
66MHz		95MHz	
75MHz		100MHz	

































**Warning/Attention/Warnung:**

We do not guarantee that 75MHz, 83MHz, 95MHz and 100MHz external system bus clock processors will work with all types of add-in cards, memory modules or other devices.

Nous ne garantissons pas que les processeurs d'horloge de bus système externes de 75MHz, 83MHz, 95MHz et 100MHz fonctionneront avec tous les types de cartes ajoutées, les modules ou autres matériels.

Wir garantieren nicht, daß Prozessoren mit externem Systembustakt von 75, 83, 95 und 100 MHz mit allen Zusatzkarten, Modulen oder anderen Geräten arbeiten.

DIP Switch and Jumper Settings for Core Voltage

Voltage	JP3	SW1: 7-10	Voltage	JP3	SW1: 7-10
2.0V			2.8V*		
2.1V			2.9V		
2.2V			3.0V		
2.3V			3.1V		
2.4V			3.2V		
2.5V			3.3V		
2.6V			3.4V		
2.7V			3.5V		

* Default

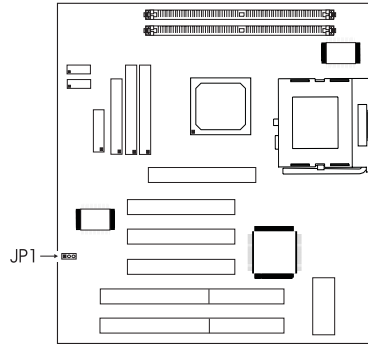
2.3 Jumper Settings for Clearing CMOS Data

Positionnement des Cavaliers pour Effacer les Données CMOS

Jumpereinstellungen zum Löschen der CMOS Daten

Jumper JP1 - Clear CMOS Data

To load the default values stored in the ROM BIOS, power off your system. Set JP1 pins 1 and 2 to On. Wait for a few seconds and set JP1 back to its default setting, pins 2 and 3 On. You may now power-on your system.



1-2 On:
Clear CMOS Data



2-3 On: Normal
(default)

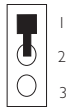
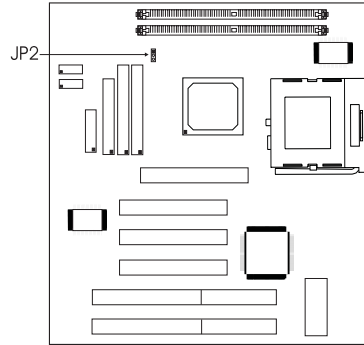
2.4 Jumper Settings for SDRAM Clock (DIMM)

Positionnement des Cavaliers d'Horloge SDRAM (DIMM)

Brückeneinstellungen für SDRAM-Takt (DIMM)

Jumper JP2 - SDRAM Clock

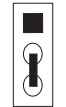
JP2 is used to set the SDRAM's clock according to the CPU clock or AGP clock. If you are using PC SDRAM DIMMs, it is recommended that you set the SDRAM clock according to the CPU clock (2-3 On). This setting will provide better system performance specially when used with 75/83/95/100MHz processors. However, if you encounter compatibility problems with PC-100 SDRAM DIMMs or you are using EDO/PC-66 SDRAM DIMMs, set the SDRAM clock according to the AGP clock (1-2 On).



1-2 On:
SDRAM CLK = AGP CLK
(default)



CPU CLK	SDRAM CLK	AGP CLK
60MHz	60MHz	60MHz
66MHz	66MHz	66MHz
75MHz	60MHz	60MHz
83MHz	66MHz	66MHz
95MHz	66MHz	66MHz
100MHz	66MHz	66MHz



2-3 On:
SDRAM CLK = CPU CLK



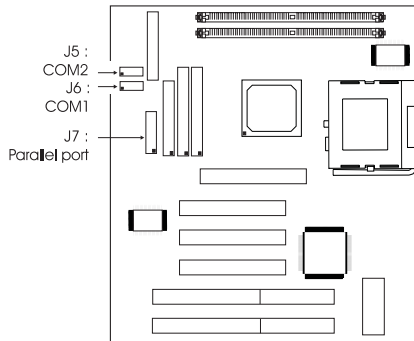
CPU CLK	SDRAM CLK	AGP CLK
60MHz	60MHz	60MHz
66MHz	66MHz	66MHz
75MHz	75MHz	60MHz
83MHz	83MHz	66MHz
95MHz	95MHz	66MHz
100MHz	100MHz	66MHz

2.5 Connectors / Connecteurs / Anschlüsse

2.5.1 Serial Ports / Parallel Port

Ports Série / Port Parallèle

Serielle Anschlüsse / Paralleler Anschluß

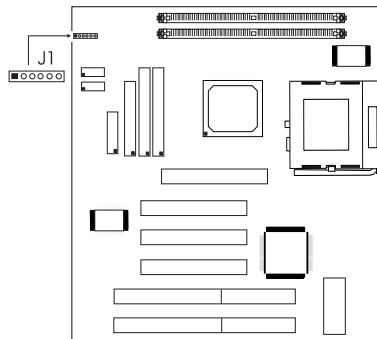


2.5.2 PS/2 Mouse Port

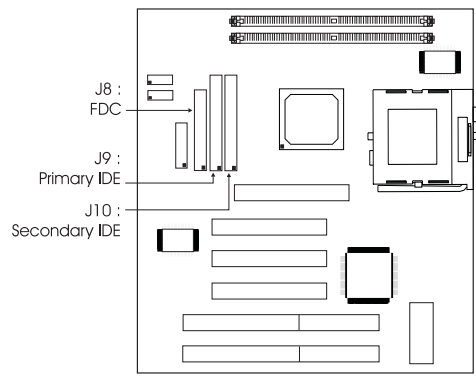
Ports Souris PS/2

PS/2-Maus-Anschluß

Pin	Function
1	Mouse Data
2	Reserved
3	Ground
4	+5V
5	Mouse Clock
6	Reserved



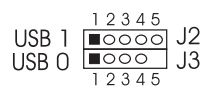
2.5.3 Floppy Disk Drive Controller and IDE Interface Contrôleur de Lecteur de Disquette et Interface IDE Diskettenlaufwerkcontroller und IDE Interface



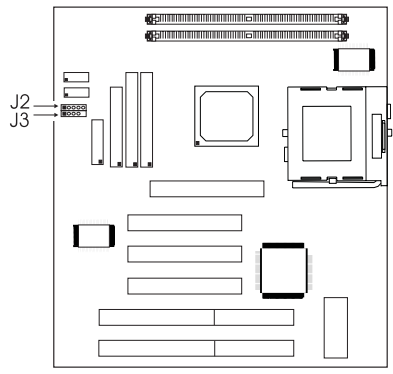
Important:

If you encountered problems while using an ATAPI CD-ROM drive that is set in Master mode, please set the CD-ROM drive to Slave mode. Some ATAPI CD-ROMs may not be recognized and cannot be used if incorrectly set in Master mode.

2.5.4 Universal Serial Bus Ports Ports de Bus Série Universels Universelle Serielle Bus-Anschlüsse



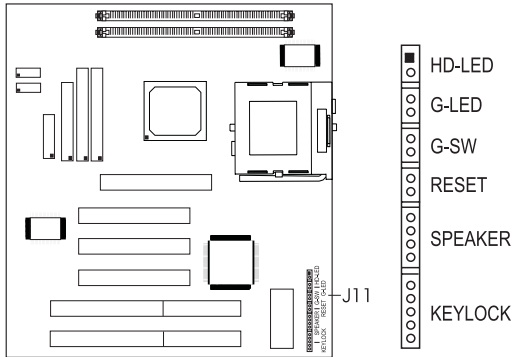
Pin	J2	J3
1	+5V	+5V
2	-Data	-Data
3	+Data	+Data
4	Ground	Ground
5	Ground	Key



2.5.5 LEDs and Switches

Commutateurs et LED

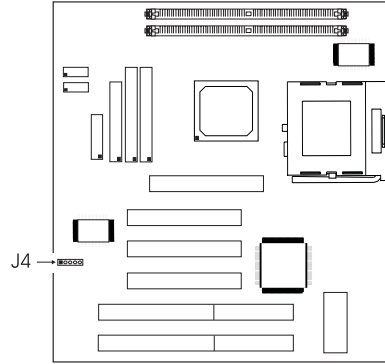
LEDs und Schalter



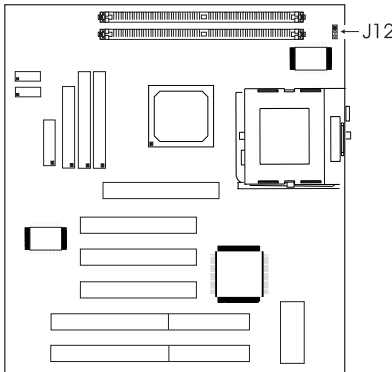
	Pin	Pin Assignment
HD-LED (Primary/Secondary IDE LED)	1	HDD
	2	HDD LED Power
	3	N. C.
G-LED (Green LED)	4	Green LED Power
	5	Green
	6	N. C.
G-SW (Green switch)	7	SMI
	8	Ground
	9	N. C.
H-RST (Reset switch)	10	H/W Reset
	11	Ground
	12	N. C.
SPEAKER (Speaker connector)	13	Speaker Power
	14	Ground
	15	N. C.
	16	Speaker
	17	N. C.
KEYLOCK (Keylock and Power LED connector) Use pins 18 to 20 for the Power LED.	18	LED Power
	19	N.C.
	20	Ground
	21	Keylock
	22	Ground

2.5.6 IrDA Connector Connecteur IrDA IrDA Anschlüsse

Pin	Function
1	IRTX
2	GND
3	IRRX
4	IRR3
5	VCC



2.5.7 CPU Fan Connector Connecteur du Ventilateur de CPU CPU Kühlung Anschluß



Pin	Function
1	GND
2	+12V
3	GND

Chapter 3 - Award BIOS Setup Utility

Utilitaire de Configuration du Award BIOS

AWARD BIOS Konfigurationsprogramm

3.1 Entering the Award BIOS Setup Utility

Entrer Dans l'Utilitaire de Configuration du Award BIOS

Aufruf des AWARD BIOS Konfigurationsprogramms

Power-on the system and press to enter the utility. The main program screen will appear:

Allumez le Système et appuyez sur pour entrer dans l'utilitaire. L'écran du programme principal apparaîtra.

Zum Aufrufen des Konfigurationsprogramms drücken Sie während des Startvorgangs die Taste . Ein Bildschirm ähnlich dem folgenden erscheint.

ROM PCI/ISA BIOS
CMOS SETUP UTILITY
AWARD SOFTWARE, INC.

STANDARD CMOS SETUP BIOS FEATURES SETUP CHIPSET FEATURES SETUP POWER MANAGEMENT SETUP PNP/PCI CONFIGURATION LOAD FAIL-SAFE SETTINGS LOAD OPTIMAL SETTINGS	INTEGRATED PERIPHERALS SUPERVISOR PASSWORD USER PASSWORD IDE HDD AUTO DETECTION SAVE & EXIT SETUP EXIT WITHOUT SAVING
Esc : Quit F10 : Save & Exit Setup	↑↓→← : Select Item (Shift) F2 : Change Color

3.2 Setting the Date and Time

Paramétrage de la Date et de l'Heure Einstellen des Datums und der Zeit

ROM PCI/ISA BIOS
STANDARD CMOS SETUP
AWARD SOFTWARE, INC.

Date (mm.dd.yy) : Thu, Jan 1 1998	
Time (hh:mm:ss) : 20 : 10 : 28	
HARD DISKS	TYPE SIZE CYLS HEAD PRECOMP LANDZ SECTOR MODE
Primary Master : Auto	0 0 0 0 0 0 0 Auto
Primary Slave : Auto	0 0 0 0 0 0 0 Auto
Secondary Master : Auto	0 0 0 0 0 0 0 Auto
Secondary Slave : Auto	0 0 0 0 0 0 0 Auto
Drive A : 1.44M, 3.5 in.	
Drive B : None	
Video : EGA/VGA	
Halt on : All Errors	
	Base Memory : 640K Extended Memory : 130048K Other Memory : 384K Total Memory : 131072K
Esc : Quit	↑↓→← : Select Item
F1 : Help	(Shift)F2 : Change Color
	PU/PD/+/- : Modify

1. Select "Standard CMOS Setup" in the main program screen and press <Enter>.

Sélectionnez "Standard CMOS Setup" dans l'écran du programme principal et appuyez sur <Entrée>.

"Standard CMOS Setup" in dem Hauptbildschirm auswählen, und die Eingabetaste (Enter) drücken.

2. Set the correct date and time in the "Date" and "Time" fields respectively.

Sélectionnez la date et l'heure correcte dans les champs "Date" et "Time" respectivement.

Jeweils korrekte Werte in die Eingabefelder "Date" (Datum) und "Time" (Zeit) eingeben.

3.3 Selecting the Hard Drive and Floppy Drive Type

Sélectionnez le Type de Disque Dur et de Lecteur de Disquette

Auswahl der Festplatte und des Diskettenlaufwerks

ROM PCI/ISA BIOS
STANDARD CMOS SETUP
AWARD SOFTWARE, INC.

: Thu, Jan 1 1998		: 20 : 10 : 28								
HARD DISKS	TYPE	SIZE	CYLS	HEAD	PRECOMP	LANDZ	SECTOR	MODE		
Primary Master	: Auto	0	0	0	0	0	0	Auto		
Primary Slave	: Auto	0	0	0	0	0	0	Auto		
Secondary Master	: Auto	0	0	0	0	0	0	Auto		
Secondary Slave	: Auto	0	0	0	0	0	0	Auto		
Drive A:	1.44M, 3.5 in.									
Drive B:	None									
Video	: EGA/VGA									
Halt on	: All Errors									
		Base Memory		: 640K		Extended Memory		: 130048K		
		Other Memory		: 384K		Total Memory		: 131072K		
Esc	: Quit		↑↓→←		: Select Item		PU/PD/+/-		: Modify	
F1	: Help		(Shift)F2		: Change Color					

1. Select "Standard CMOS Setup" in the main program screen and press <Enter>.

Sélectionnez "Standard CMOS Setup" dans l'écran du programme principal et appuyez sur <Entrée>.

"Standard CMOS Setup" in dem Hauptbildschirm auswählen, und die Eingabetaste (Enter) drücken.

2. Select "Auto" for the hard disk drive(s) installed in your system. The BIOS will auto-detect the HDD & CD-ROM drive at the POST stage and show the IDE for the HDD & CD-ROM drive. If a hard disk has not been installed, select "None" and press <Enter>.

Sélectionnez "Auto" pour le(s) disque(s) dur(s) installés dans votre système. Le BIOS détectera automatiquement le Disque Dur et le Lecteur CD-ROM durant la phase POST et affichera l'IDE du Disque Dur et du Lecteur CD-ROM. Si aucun disque dur n'a été installé, sélectionnez "None" et appuyez sur <entrée>.

Im Eintrag "Hard Disk Drive(s)" (Festplatte) "Auto" auswählen. Das Programm entdeckt die Festplatte sowie das CD-ROM Laufwerk während der Initialisierung automatisch. Ist keine Festplatte installiert, aktivieren Sie den Eintrag "None". Eingabetaste (Enter) drücken.

- Set the type of floppy drive installed in the "Drive A" and "Drive B" fields. The options are None, 360K, 1.2M, 720K, 1.44M and 2.88M.

Paramétrez le type de lecteur de disquette installé dans les champs "Drive A" et "Drive B". Les options sont None, 360K, 1.2M, 720K, 1.44M et 2.88M.

Im Eintrag "Floppy Drive" (Diskettenlaufwerk) wählen Sie "Drive A" (Laufwerk A) und "Drive B" (Laufwerk B). Die Optionen sind None (Kein), 360K, 1.2M, 720K, 1.44M und 2.88M.

3.4 Selecting the Drive to be Searched First for an Operating System

Sélectionner le Lecteur qui doit être Détecté en premier par un Système d'Exploitation

Auswahl des Bootlaufwerks

ROM PCI/ISA BIOS
BIOS FEATURES SETUP
AWARD SOFTWARE, INC.

Virus Warning	: Disabled	Video BIOS Shadow	: Enabled
CPU Internal Cache	: Enabled	C8000-CBFFF Shadow	: Disabled
External Cache	: Enabled	CC000-CFFFF Shadow	: Disabled
Quick Power On Self Test	: Enabled	D0000-D3FFF Shadow	: Disabled
Boot Sequence	: A, C, SCSI	D4000-D7FFF Shadow	: Disabled
Swap Floppy Drive	: Disabled	D8000-DBFFF Shadow	: Disabled
Boot Up Floppy Seek	: Disabled	DC000-DFFFF Shadow	: Disabled
Boot Up NumLock Status	: On		
Typematic Rate Setting	: Disabled		
Typematic Rate (Chars/Sec)	: 6		
Typematic Delay (Msec)	: 250		
Security Option	: Setup		
PCI/VGA Palette Snoop	: Disabled	ESC : Quit	↑↓←→ : Select Item
OS Select For DRAM > 64MB	: Non-OS2	F1 : Help	PU/PD/+/- : Modify
HDD S.M.A.R.T. Capability	: Disabled	F5 : Old Values (Shift) F2	: Color
		F6 : Load Fail-Safe Settings	
		F7 : Load Optimal Settings	

- Select "BIOS Features Setup" in the main program screen and press <Enter>.

Sélectionnez "BIOS Features Setup" dans l'écran de programme principal et appuyez sur <Entrée>.

"BIOS Features Setup" in dem Hauptbildschirm auswählen, und die Eingabetaste (Enter) drücken.

2. Select the drive to be searched first in the "Boot Sequence" field. The default is A, C, SCSI. The other options are: C, A, SCSI; C, CDROM, A; CDROM, C, A; D, A, SCSI; E, A, SCSI; F, A, SCSI; SCSI, A, C; SCSI, C, A; C only and LS/ZIP, C.

Sélectionnez le lecteur qui devra être détecté en premier dans le champs "Boot Sequence". La valeur par défaut est A, C, SCSI. Les autres options sont: C, A, SCSI; C, CDROM, A; CDROM, C, A; D, A, SCSI; E, A, SCSI; F, A, SCSI; SCSI, A, C; SCSI, C, A; C seulement et LS/ZIP, C.

Im "Boot Sequence" Feld wählen Sie die Sequenz, in welcher der Computer nach einem Betriebssystem sucht. Die Optionen sind C, A, SCSI; C, CDROM, A; CDROM, C, A; D, A, SCSI; E, A, SCSI; F, A, SCSI; SCSI, A, C; SCSI, C, A; nur C und LS/ZIP, C.

3.5 Loading Fail-Safe Settings/Optimal Settings

Charger les Paramètres à Sécurité Relative Optimaux

Laden der Fail - Safe Einstellungen / Optimierte Einstellungen

The "Load Fail-Safe Settings" option loads the troubleshooting default values permanently stored in the ROM chips. These settings are not optimal and turn off all high performance features. You should use these values only if you have hardware problems. The "Load Optimal Settings" option loads optimized settings from the BIOS ROM. Use the Setup default values as standard values for your system.

L'option "Charger les Paramètres à Sécurité Relative" charge les valeurs de recherche de pannes par défaut stockées de manière permanente dans les puces ROM. Ces paramètres ne sont pas optimum et désactives toutes les fonctionnalités à haute performance. Vous pouvez utiliser ces valeurs seulement si vous rencontrez des problèmes de matériel.

Mit dieser Funktionen lassen sich Standardeinstellungen in dem permanenten ROM Speicher ablegen, die in Problemfällen geladen werden. Mit dieser Einstellung läßt sich der Computer im Standardmodus starten. Sie sollten diese Werte nur dann benutzen, wenn Hardwareprobleme etc. eine Starten des Computers nicht zulassen. Mit der Auswahl "Load Optimal Settings" lassen sich die optimierten Einstellungen von dem BIOS ROM abrufen. Die optimierten Einstellungen sind der Standardwert.

3.6 Setting the Supervisor/User Password

If you want to protect your system and the setup utility from unauthorized entry, set a password in the "Supervisor Password" field. If you want a user to have access only to your system but not to setup, set a password in the "User Password" field. Use the arrow keys to highlight the "Supervisor Password" or "User Password" field and press <Enter>. The message below will appear:

Enter Password:

Type in the password. You can enter up to eight characters only. You will then be prompted to confirm the password. Type in exactly the same password.

Make sure to set the "Security Option" field in the BIOS Features Setup to "System" or "Setup". This will depend on when you would like the system to be prompted with a password.

Définir le Mot de Passe Superviseur/Utilisateur

Si vous désirez protéger votre système et Install contre toute entrée non autorisée, paramétrez un mot de passe dans le champ "Supervisor Password". Si vous désirez protéger l'accès à Install seulement, mais pas votre système, paramétrez un mot de passe dans le champ "User Password". Utilisez les touches fléchées pour sélectionner le champ "Supervisor Password" ou "User Password" et appuyez sur <Entrée>. Le message ci-dessous apparaîtra.

Enter Password:

Entrez le mot de passe. Vous êtes limité à huit caractères. Une fois que c'est fait, vous serez invité à confirmer le mot de passe, entrez exactement le même mot de passe.

Assurez vous de positionner le champs "Security Option" dans les BIOS Features Setup sur "System" ou "Setup". Cela dépend du moment où vous désirez que le système vous demande le mot de passe.

Aktivieren eines Supervisor / Benutzer Paßwortes

Wenn Sie das "Supervisor Password" aktivieren, müssen Sie vor dem Einstieg in das Konfigurationsprogramm ein Kennwort eingeben., während das "User Password" den Zugang zu dem Computer ermöglicht. Wählen Sie den Eintrag "Supervisor Password" bzw. "Supervisor Password" und betätigen Sie die Eingabetaste (Enter). Im erscheinenden Dialogfeld.

Enter Password:

Geben Sie Ihr Kennwort mit bis zu 8 Stellen ein. Betätigen Sie die Eingabetaste und geben Sie das Kennwort als Bestätigung erneut ein.

Es ist darauf zu achten, daß das Feld "Security Option" in dem BIOS Features Setup auf "System" oder "Setup" gesetzt ist.

Chapter 4 - Supported Softwares Logiciels Supportés Unterstützte Software

4.1 Drivers / Pilotes / Treiber

The system board package comes with drivers contained in the provided CD. To install the drivers, please refer to the "Readme" file contained in the provided CD.

All steps or procedures to install software drivers are subject to change without notice as the softwares are occassionally updated. Please refer to the readme files for the latest information.

Appendix A - System Error Message

Messages d'Erreur du Système

Fehlernachricht des Systems

When the BIOS encounters an error that requires the user to correct something, either a beep code will sound or a message will be displayed in a box in the middle of the screen and the message, PRESS F1 TO CONTINUE, CTRL-ALT-ESC or DEL TO ENTER SETUP, will be shown in the information box at the bottom. Enter Setup to correct the error.

A.1 POST Beep / Pip de POST / Akustisches POST-Signal

There are two kinds of beep codes in the BIOS. One code indicates that a video error has occurred and the BIOS cannot initialize the video screen to display any additional information. This beep code consists of a single long beep followed by three short beeps. The other code indicates that a DRAM error has occurred. This beep code consists of a single long beep.

A.2 Error Messages / Messages d'Erreur / Fehlernachrichten

One or more of the following messages may be displayed if the BIOS detects an error during the POST. This list indicates the error messages for all Awards BIOSes:

CMOS BATTERY HAS FAILED

The CMOS battery is no longer functional. It should be replaced.



Caution:

Danger of explosion if battery incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the battery manufacturer's instructions.

CMOS CHECKSUM ERROR

Checksum of CMOS is incorrect. This can indicate that CMOS has become corrupt. This error may have been caused by a weak battery. Check the battery and replace if necessary.

DISPLAY SWITCH IS SET INCORRECTLY

The display switch on the motherboard can be set to either monochrome or color. This indicates the switch is set to a different

setting than indicated in Setup. Determine which setting is correct, either turn off the system and change the jumper or enter Setup and change the VIDEO selection.

FLOPPY DISK(S) fail (80)

Unable to reset floppy subsystem.

FLOPPY DISK(S) fail (40)

Floppy type mismatch.

Hard Disk(s) fail (80)

HDD reset failed.

Hard Disk(s) fail (40)

HDD controller diagnostics failed.

Hard Disk(s) fail (20)

HDD initialization error.

Hard Disk(s) fail (10)

Unable to recalibrate fixed disk.

Hard Disk(s) fail (08)

Sector Verify failed.

Keyboard is locked out - Unlock the key

The BIOS detects that the keyboard is locked. Keyboard controller is pulled low.

Keyboard error or no keyboard present

Cannot initialize the keyboard. Make sure the keyboard is attached correctly and no keys are being pressed during the boot.

Manufacturing POST loop

System will repeat POST procedure infinitely while the keyboard controller is pull low. This is also used for the M/B burn in test at the factory.

BIOS ROM checksum error - System halted

The checksum of ROM address F0000H-FFFFFH is bad.

Memory test fail

The BIOS reports memory test fail if the memory has error(s).