





System Configuration Utility

This chapter tells you how to configure your system using the SCU (Setup Configuration Utility).



Introduction

SCU is a program that allows you to enter system configuration information and to store the information in CMOS (Complementary Metal Oxide Semiconductor) RAM.. A RTC backup battery maintains CMOS RAM data so that configuration information is not lost when the system is turned off.

A computer needs the configuration information to identify the type of devices installed and to set up special features.

The configuration information has been set up with default settings in the factory. You need to run SCU only when:

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Error messages appear on the screen asking you to run SCU.

You want to change factory default settings.

You want to update the configuration information according to a new device installed or an existing device removed.

Starting SCU

To run SCU, turn on or restart the system and press the [Space] bar when the "System will Boot from C:, Press <Space> to change Boot Device or Run Setup" message appears at the bottom of the screen. The boot menu as shown below pops up.

```
Boot from FDD A:
Boot from HDD C:
Boot from CD-ROM
Run SCU Setup
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<Enter> to Confirm
<Esc> to Cancel
```

Select the Run SCU Setup" item using the arrow key and then press [Enter] to run SCU.



The SCU program is subject to change without notice. If the SCU program was

modified after this manual was printed, you will find discrepancies between this chapter and the SCU program.

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SCU Screen

Startup PowerManagement PassWord Device Features Utility Memory Exit

Devices	System
IDE Hard Drive : 2067 MB	Pentium-II CPU 300 Mhz
IDE CDROM Drive: TOSHIBA CD-ROM	L2 Cache Size = 512 KB
Secondary IDE : --	Total DRAM Size= 32 MB
Serial Port 1 : 03F8h IRQ 04	Bank 0 : SDRAM 32 MB
SIR/FIR Port : 02F8h IRQ 11 DMA 00	Bank 1 : None
Internal Modem : 03E8h IRQ 05	Bank 2 : None
ECP/PIO Port : 0378h IRQ 07 DMA 07	Bank 3 : None
Card Reader : 2 F8h IRQ 03	Bank 4 : None
Touch Panel : 3 E8h IRQ 05	Bank 5 : None
PCI Device 02 : 10D9 0531h LAN	Motherboard Rev. : 3
PCI Device 03 : 104C AC16h PCMCIA	System BIOS Rev. : 0.19
PCI Device 04 : 104C 8009h 1394	Boot Block Rev. : 0.14
PCI Device 03 : 125D 1978h AUDIO	Keyboard BIOS Rev.: 2.00
PCI Device 00A : 1023 939Ah VGA	

Configure system startup options

<Cursor> key to select menu item

<Space> and <Enter> keys to toggle or activate menu item

The SCU screen consists of four areas:

Menu bar is at the top of the screen. It contains menu titles for different categories. When a title is selected, a pull-down menu appears containing setup items. A check mark (✓) in front of an item indicates "Enabled" and a hyphen (-) indicates "Disabled".. When an item with no mark in front is selected, a sub-menu will pop up.

Information area is the center area of the screen. This area displays the system current configuration information. When a setup item is selected, a sub-menu may appear in this area for you to make selections.

Help is below the center area. It provides an explanation of the selected item.

Keyboard help is at the bottom of the screen. It gives keyboard instructions for moving around and making selections.

Entering the Information

You can use the keyboard to move around and make selections.



With the Keyboard

In general, use arrow keys to move around and press [Enter] to select.

To complete the selection, there are different keyboard operations under different situations:

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For an item containing no sub-menu, press [Space bar] to toggle between enabled (√) and disabled (-).

In a sub-menu listing all the options, press the arrow key to move the bullet (●) to your selection then press [Enter] to complete the selection.

In a sub-menu containing multiple setup items, press the arrow keys to move to an item. Press the [Space bar] to pull down the list of options, use arrow keys to select an option, and press [Enter] to complete the selection. Alternatively, you can press [F5] or [F6] to cycle through the options bypassing the pull-down menu.

You can also use the shortcut key highlighted by a different color on the screen.

Startup Menu

The Startup pull-down menu allows you to select settings relevant to startup operation.

Startup

Date and Time Boot Device
Ö Enable Fast Boot - Keyboard Numlock - Virus Alert - Disable VGA Expansion

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All items on this menu are described in the sequence below.

Date and Time

Sets the system date and time (24-hour format).

Boot Device

Specifies the device from which the system searches the operating system. The choices are *Diskette A*, *Hard Disk C*, and *CD-ROM Drive*.

Enable Fast Boot

Sets if the memory test is skipped during POST. If this item is enabled, the booting time can be shortened.

Keyboard Numlock

Sets if the Num Lock is automatically turned on for the internal keyboard after system startup.

Virus Alert

Sets if the warning messages announce that the hard disk boot sector (partition table) has been changed.


Disable VGA Expansion

VGA expansion can expand low resolution mode to full panel range. If disable expansion, you will see small display if resolution is not 1024x768.

PowerManagement Menu

The PowerManagement pull-down menu allows you to set up Power Management features.

PowerManagement

- 
- Enable Video Time-Out
 - Enable Ring resume
 - Enable Battery Low Beep
 - Enable TV
 - Enable Capture
 - Enable ZV Port
 - APM Suspend Select
 - Power Button Function
 - Battery Fail Process

All items on this menu are described in the sequence below.

Enable Ring Resume

Sets if the system resumes from low power mode (Global Standby, Power-On-Suspend, or Suspend-to-Disk) when the modem receives an incoming call.

PassWord Menu

The PassWord pull-down menu allows you to create passwords to protect your computer against unauthorized use.

PassWord

Edit New Password
- Enable Boot Security - Enable SCU Security

All items on this menu are described in the sequence below.

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Edit New Password

Sets the password for starting up the system, running the SCU program, unlocking Quick Lock, or using the hard disk drive. When setting a password, first make sure that Num Lock is off, then type your password and press [Enter]. Confirm your password by typing it again and pressing [Enter].



Remembering the password is essential.

Enable Boot Security

Sets if the system asks for the password before starting up.

Enable SCU Security

Sets if the system asks for the password before running the SCU program.

Device Menu

The Device pull-down menu allows you to select settings relevant to system devices.

Device

```
- Disable
- Disable Card Reader
- Disable COM Port
```

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IDE/HDD Performance
```

```
Select PIO Mode
```

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-
```

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All items on this menu are described in the sequence below.

Disable IR

IRQ resources are very limited. UART2 occupies 8 consecutive ports and an IRQ. If no free IRQ is left for PCMCIA card, and IR is not used, user can disable IR.

IDE/HDD Performance

This allows users to set HDD transfer speed. There are three speeds : Maximum/Medium/Compatible speeds. BIOS will detect HDD maximum speed and set it if users want high performance. But users have to know that some HDDs can not accept this highest speed. It's better to select Medium speed for this case.

Select PIO Mode

There is four modes: SPP/PS2/EPP/ECP modes. SPP is the old standard and is the most compatible mode.

Select MODEM Port

If user plugs in Internal Modem, he can select the modem port here.

Features Menu

The Features pull-down menu allows you to set up several system features.

Features

Set TV Mode
Keyboard Repeat Keyboard Matrix

All items on this menu are described in the sequence below.

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Set TV Mode

Sets the TV mode when a TV is used for the display output. Select *PAL* for use in the UK and Europe; *NTSC* for use in other areas.

Keyboard Repeat

Invokes a sub-menu that lets you set up "Keyboard Repeat" function. "Keyboard repeat" means that continually holding down a key on the keyboard is interpreted as repeatedly pressing the key. The sub-menu contains the following items:

Keyboard Repeat Rate Sets the rate (in characters/second) at which the keys are repeated.

Key Delay sets the delay (in seconds) between when the key was first pressed and when the repeating begins.

Utility Menu

The Utility pull-down menu provides a function that verifies the suspend-to-disk partition.

Utility

Verify S2D Partition

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Verify S2D Partition

Checks the suspend-to-disk partition for any defect block. You may use this function once in a while to make sure that defect blocks in the suspend-to-disk partition are not used to store data.



This function also backs up the BIOS ROM data to the suspend-to-disk partition. This is helpful when the BIOS ROM happens to fail. With the backup data, the computer can still boot using the BIOS ROM data in the suspend-to-disk partition.

Memory Menu

The Memory pull-down menu allows you to set up shadow RAM and system memory configuration.

Memory

Ö BIOS Shadow RAM Cacheable
Ö VGA Shadow RAM Cacheable
Setup EDO/SDRAM Timing

All items on this menu are described in the sequence below.

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BIOS Shadow RAM Cacheable

Sets if the system BIOS is copied to RAM to increase the BIOS speed.

VGA Shadow RAM Cacheable

Sets if the video BIOS is copied to RAM to increase the video speed.

Setup EDO/SDRAM Timing

Invokes a sub-menu that lets you set up specific information of the RAM installed in your computer. It contains the following items:



Never alter these items by yourself. Leave these items to your dealer, who knows the specifications of the RAM installed in your computer. The computer may malfunction if you set the items to incorrect values.

EDO DRAM Read Burst Timing

Sets the read burst timing according to the EDO DRAM installed in your computer.

EDO DRAM Write Burst Timing

Sets the write burst timing according to the EDO DRAM installed in your computer.

Select SDRAM CAS Latency

Sets the CAS latency according to the SDRAM installed in your computer.

Exit Menu

The Exit pull-down menu provides ways of exiting SCU. When you are finished with the settings, save and exit SCU so that the new settings can take effect.

Exit

Save and Reboot Exit (No Save)
Default Settings Restore Settings

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Save and Reboot

Saves changes you have made and reboots the system.

Exit (No Save)

Exits without saving the changes you have made.

Default Settings

Loads factory default settings for all the items.

Restore Settings

Restores previous settings for all the items.