# Personal Computer

# User's Manual

## (M/N:YB-S1/C17DRW)
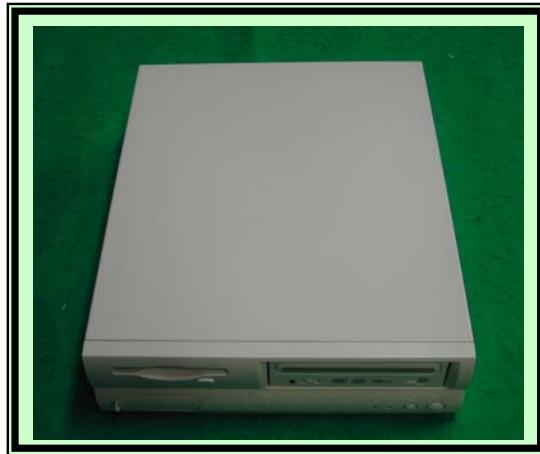
**Safer Computer Co., Ltd.**

# FCC NOTICE

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC FULES.

OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITION:

(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND

(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,

 INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED OPERATION.

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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. 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 receiver.

- Connect the equipment into an outlet on a circuit difference from that to which
   the receiver is connected.

- Consult the dealer of an experienced radio/TV technician for help.

NOTE : The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

# Product Information

## Pointing Device Components

**Front side**

A=CD ROM, B=FDD, C=Power LED, D=power button, E= HDD LED, F=Reset button

**Rear side**

G=Power supply jack, H=Power Supply, I=Keyboard port, J=USB port, K=Serial port, L=Mouse port, M=Printer port, N=VGA card, O=Sound card, P=LAN card, Q=Keyboard, R=Mouse

# How to install

1. Unpack the carton box and check the items inside.
2. Connect the power cable, keyboard jack, mouse jack, and monitor cable to the counterparts in the rear side.
3. Input the serial numbers(25digits) attached on the top of the left side in the window asking the serial numbers, after powering on and booting.
4. Fit to your individual requirement, if any, then it's ready to use.

## XP Installation ;

**1. How to install Window XP**

1) Press Delete key many times when the computer is powered on. Then it returns to CMOS setting up the environment of this computer. You can move to each line using the arrow keys. You also can correct the contents using the keys of PageUp and PageDown.
2) Enter after moving to BIOS FEATURES SETUP.
3) After screen changed, change A, C, SCSI line of Boot Sequence to CD-ROM, C, A with PageUP and PageDown keys. That's the procedure of putting disks in order for booting.
4) Press ESC, and then returns to the first screen.
5) Press F10, and then the screen of 'Save & Setup? Y/N' will appear. Press Y and then Enter. All the set up procedure for starting with Window CD is over.

6) Computer will be rebooted. Window XP CD must be in CD ROM at this moment.

7) Press any key when you see the message of 'Press any key to boot from CD…'. That means it'll boot with Window XP CD.

8) Waiting for a while, a blue screen appears. You must wait till the next screen appears, while Window searches hardware information and sets  up.

9) Press Enter for new installation.

10) License Agreement is shown after a while. Press F8 as agreement.

11) Press ESC to erase the ex-Window program.

12) Press Enter for the question of requiring the selection of keyboard types.

13) A screen of setting up partition is shown.

14) In case partition is not installed or repartition is required, press D key and delete the current partition. After deleting, press C key and you can make the partition. But we're reinstalling Window, so just press Enter.

15) Press C key.

16) If you select "Maintaining the current file system", there'll be no change in file, and Window will be reinstalled. If something wrong in Window and recovered with reinstallation, it's O.K. However unless recovered, everything must be deleted and reinstalled. Reinstallation requires set up with NTSF or FAT and format.(Everything in HDD is clearly deleted.) Initial setup from factory is NTSF or FAT.

17) Format starts when press F key. When format is over, restart after copying Window installation file. Just leave it while restart sequence. Window will be reinstalled soon.

18) 1. If country and language option is asked during Window installation sequence, then click the following.

2. Register name.

3. Register CD Key.

 4.Register Computer name.

5. Set up date and time. Installation will be continued.

6. Set up networking.(Usually leave it basic and press Enter.)

19) Arrange hardware devices and fit the drivers, and then set up the screen. Now installation procedure is over. If you don't understand this instruction, refer to our homepage.

## 2. How to install drivers

1) Click 'Transfer to classic look' in Control Menu located in left top.
2) The window of Control Panel is open. Double click System.
3) Click 'Hardware' when the window of 'System Registration information.
4) Click 'Device Manager' in the window of 'Hardware'.
5) This left screen shows no question mark or no exclamation mark, because all the drivers are arranged. However without that arrangement, a question mark or an exclamation mark will be expressed. Usually 80% of drivers are automatically arranged by Window XP, but some not. In that case, you can put our Electronic manual in CD ROM and select the automatic installation, and then Window itself installs related drivers automatically. Next step will show you how to install automatically. Double click the devices that show a question mark or an exclamation mark.
6) Click 'Driver', when the left window opens. <Ex>let try with 'Display Adapter'.
7) Click 'Driver Update'.
8) The window of 'Update Hardware Wizard' opens. 1> If you select 'automatic installation of software' and click the following, Window research and install the relevant drivers by itself. Driver should be inside the computer at this step. That is, driver CD or our Electronic Manual CD in the CD ROM or the unzipped file downloaded from our homepage is necessary for automatic research and installation of Window. 2> Who are accustomed to manual installation may select 'Installation in a list or special position'. No explanation is required in case of automatic installation, but the manual installation still requires more explanation for the rest procedures. Select 'Installation in a list or special position' and click the following.
9) Select 'No search, direct selection of the driver to be installed' and click the following.
10) Click 'disk in(H)'.
11) Click 'Search(B)'.
12) Indicate the position of driver, when the window of 'file search'.
13) Click 'Next' after selecting the driver suitable for each device.
14) Window copies driver as the left picture shows. A message appears when the copy is over. Click 'Finish' and then installation is over.

## 3. How to use start up menu

1) Initial screen in Window. Nothing appears except Recycle bin. Let's find out how to set up the start up menu.

2) Move to Start/Control Panel.

3) Click 'Transfer to classic look' located in left top.

4) Click 'Task bar & Start up' menu.

5) Now let's find out more on the function of 'Task bar & Start' menu.

6) Let's start from the appearance of Task bar.      1> 'Task bar Lock(L) ; If you check this function, you can't control the Task bar.      Ex> Control of Task bar If you position the mouse point in the edge of Task bar, the arrow of the mouse point is changed to bi-directional as the left picture shows.      Control the left mouse button with it clicked, as large as you want.      (Actually the mouse point is not large enough.)      2> 'Automatic hiding of Task bar(U)' : If you check this function, Task bar is set up to be hidden in the bottom of screen. Ex> Automatic hiding of Task bar(U)      No Task bar appears on screen. 3> 'Top location of Task bar(T) : If you check this function, Task bar is always shown.      4> 'Group expression of the button of the same kinds of tasks' : If you check this function, same kinds of programs will be in a group to be informed by numbers.      5> 'Quick Start Icon expression (Q)': If you check this function, Quick Start Icon will be shown.      Ex> Group expression of the button of the same kinds of tasks(G)      Same kinds of programs will be in a group to be informed by numbers.                Ex> 'Quick Start Icon expression(Q)'      It's a convenience to register what's used often to Quick Start Icon line.      So easy how to register. Make a quick Icon of the relevant program and move it to the line of Quick Start Icon.      6> Let's get more on 'Notice Area'.      1. 'Clock Indication(K) : If you check this function, time will be shown in the line of notice icon line.      2. 'Hiding icons not used(H)' : If you check this function, the programs not used are not shown in the notice window.      Ex> Clock Indication(K)      Ex> Hiding icons not used(H)      3. 'User Designation(C)' : Users can designate Hiding the icons not used.

7) Now let's get more on 'Start up menu' in the properties of Task bar and start up menu.      Select User Designation.

8) We'll get into the function of 'Common' in the User Designation of Start up menu.      1> Selection of the program size : You can control the size of Start up menu with this icon.      Ex>'Big Icon' and 'Small Icon'      2> You can control the numbers of the icons of the programs you have recently used.

Ex> The numbers of the icons you have recently used    in case of six icons
3> The type of internet and e-mail program can be set up in the Start up menu.
Ex> Setting of the type of internet and e-mail program in the Start up menu

9)  We'll get into the function of 'High Class'.    1> 'Setting of Start up menu' : Applied to 'All Programs(P)' in the window of Start up menu.    Ex> 'Setting of Start up menu'    If you move the mouse to this point, the list of programs will be automatically shown.    2> 'Articles of Start up menu' : Applied to the items of the right top in the window of Start up menu.    – If you check 'Expression with menu', the file list of my pictures will be shown like the recent documents.    – If you check 'Expression with connection', only the icon will be shown.    Ex> 'Articles of Start up menu'    3> 'Recent documents' : Applied to 'My recent documents' of the articles of the right top in the window of Start up menu.    Ex> The list of documents recently effectuated is enumerated.

10)  We'll get into the function of 'ex-Start up menu' of the properties of Task bar & Start up menu.    Open the windows in the order of 'Start/Control Panel/Task bar & Start up menu.    1> Click 'Start up menu'.    2> Select 'Ex-Start up menu(M)'.    3> Click 'User designation©'.

11)  The window of 'User designation of Ex-Start up menu' opens.    **'Ex-Start up menu' is offered for the sake of convenience of the users who are accustomed to previous OS versions, by the means of maintaining the same method with previous Win98SE/ME/2000**.    Each article of User designation of Ex-Start up menu is same with the previous window, so you can just set up the article you want.    Thank you.

## 4. How to set up Desktop Screen

1)  If you control Desktop screen, click 'Start up' and 'Control Panel'.
2)  Double click 'Display' in Control Panel.
3)  Let us inquire into the function of the properties of Display.    We can set up the theme of Window.
4)  Selection of the image of Desktop screen    Select the desktop in Start/Control panel/Display.    The image of Desktop screen will be changed if you select the article in the 'background'.
5)  When you want to use the different photograph or picture as Desktop screen    1> Select the button of 'Search' in Start/Control panel/Display/Desktop screen.

2> If you indicate the route of the picture you want, the selected image will be set up as Desktop screen.

6) Controlling the image of 'Desktop screen'    1> Select Start/Control panel/Display/Desktop screen.    2> You can control the image according to the selected specification of 'position'.    3> Color pallet will come out if you click 'Color'. After clicking the color you want, click 'Assure'.

7) Screen Saver    1> Select Start/Control panel/Display/Screen saver    2> After selecting the article you want, click 'Assure'.

8) Management of Computer power    1> Select Start/Control panel/Display/Desktop screen    2> Click 'Power' in the bottom. Set up each article to fit to each user's need.

9) Setting up the window of Explorer    1> Select Start/Control panel/Display/Screen coloring.    2> Click 'Effect'. Check the article you want, and then click 'Assure'.    3> Click 'High class'. You can set up more details.

10) Settings of Monitor resolution and Color quality    1> Select Start/Control panel/Display/Settings.    2> You can set up the screen resolution.    3> You can select 'Color quality'. Usually the setting of High color(16bit) is recommendable, because the speed of computer becomes slower a little in case of higher quality.    4> If you click 'High class', you can set up more details.

## Attentions

- Computer page 1 -

Please install it in a clean place without a dirt.    The components of computer may be in trouble in a dirty surroundings.

Please install it in a spacious area where this computer can be located safely.    You need to secure a enough space for installation without any obstacle.

Please install it in the space without an external stimulation of electricity or magnetism If it's stimulated, computer may get damaged.

-Computer page 2 –

Please avoid the space of high temperature and much moisture in installation. Computer has no tolerance to heat and moisture. Semi-conductor, the core component of computer can be fatal in case exposed to heat, and weak with moisture.

The most proper temperature for computer is 15 ~ 20 degree in Centigrade.    It should be well-ventilated in Summer, and the proper temperature should be maintained in Winter.

Computer hates coffee and smoking.    Smoking damages HDD and FDD. And please be careful not to pour coffee or something on keyboard.

-Computer page 3-
Please make the distance between computer and user around 50cm.    The distance between eyes and monitor should be around 50cm, and the top of the monitor also should be 10~20 degrees lower than eyes of user in installation.

Computer must not be shocked in moving.    Please be careful to the damage of hardware in moving computer.

-CD ROM page 1-
Please be careful not to be bent with CD-ROM.

Please use a clean and soft rag in cleaning a stain like dust or fingerprint.

Please avoid a direct ray of light.

-CD ROM page 2-
Please never drop or shock CD-ROM.

Please never use a chemical detergent like benzene or thinner.

Please avoid the moisture.

-CD ROM page 3-
Please never write anything on the surface of disk.

Please be careful not to scratch or stain the surface in seizing CD-ROM.

Please never scratch the surface of disk with the sharp.

# Software

## PC cillin

PC-Cillin is an excellent product, and suitable for the computer environments in home and company. The upgraded function of PC-Cillin will be watchful about a virous. Unless you copy and register the following serial number in installation, only 30-day limited version will be installed.　설치=installaion

## Direct X

It's most effective to control hardware directly instead of Windows, in order to enjoy the games with faster speed in Windows.　Direct X composed of Direct Draw, Direct Sound, Direct Play, Direct Input, and Direct 3D is essential software to be installed to enjoy games. (In case of Win XP, it's useless, because it basically includes 8.1 version.)　installation

## Media Player

You can enjoy all the moving images and sounds through this Media player of the convenient interface.

- Audio : wave/mid/mp3/audio CD play
- Video : avi/mov/mpg/dat play

installation

## Acrobat Reader

This is Acrobat Reader in Korean version which enables us to read PDF file of Adobe.

It enables us to open PDF file as a standard document and read so many documents in detail.

## CD Man

CD Man is the software which forms DB from CDs like Data CD or MP3 CD, and searches out the location of the CD and folder of the specific file contained when necessary, offers the function of CD jacket composition through the DB information, and composes something like memo in a specific folder or file.

## Photo Viewer

Photo Viewer is the program which enables us to see the various image files with ease. It supports 17 kinds of image files. (BMP, JPG, GIF, TIFF, ICO, CUR, PCT, PCX, PCD, PSD, TAG, WMF…)

Besides it supports the similar interface to Window investigator for convenience.

## NexZip

NexZip is the tool of zip/unzip, and supports zip, the representative form of compression.

It's very easy to use, because it offers User Interface, similar to the window of the folder of Investigator.

Besides you can unzip a compressed file even in a computer without an unzip program, because it supports the function creating effectuated files.

# Drivers

## Mainboard

# Mainboard Driver

This is a useful guide for an easy and automatic installation in case Window is installed in a computer for the first time or afterwards in necessity.

We can expect the enhancement in the data transmission speed between HDDs which support UDMA66/100 and the better stability, if the driver of Ultra ATA/DMA storage is installed.

# Video card Driver

This is a useful guide for an easy and automatic installation in case Window is installed in a computer for the first time or afterwards in necessity.

# Sound card Driver

This is a useful guide for an easy and automatic installation in case Window is installed in a computer for the first time or afterwards in necessity.

# LAN card Driver

This is a useful guide for an easy and automatic installation in case Window is installed in a computer for the first time or afterwards in necessity.

# Customer Support

## Information on After Service

Safer has been pursuing 'Zero Defect' in our product line, and the RMA percentage has been under 0.5%. Our aim is to make it zero!

Quick RMA procedure is our policy, and it's effectuated through the cooperation with Safer's overseas partners. You can directly contact the local distributors or resellers in case of any trouble.

Congratulations on your best choice!

# # Reference

## Name of the System Parts

**Type A**

<u>Front side</u>

1. Floppy Disk Drive
2. Power Button
3. Reset Button
4. CD-ROM Drive (DVD-Drive)
5. Power LED
6. USB Connector

<u>Rear side</u>

1. Switch for selecting Input Voltage
2. PS/2 Type Mouse Connector
3. PS/2 Type Keyboard Connector
4. Serial Port
5. VGA Monitor Connector
6. Sound Function
7. USB Connector
8. Power Input Socket
9. Ventilating Opening
10. Parallel(Printer) Port Connector
11. LAN Connector(Optional)
12. Option Card Slot Cover

## <u>Connecting Peripheral Devices</u>

Please install in the order of following numbers.


**Type A**


<u>Rear side</u>


1. Switch for selecting Input Voltage
2. PS/2 Type Mouse Connector
3. PS/2 Type Keyboard Connector
4. VGA Monitor Connector
5. Sound Function
6. USB Connector
7. LAN Connector (Optional)
8. Parallel(Printer) Port Connector
9. Power Input Socket


<u>Front side</u>
5. USB Connector

## 1. Confirm the Switch for Choosing Input Voltage and Available Voltage

The power supply is adopted differently by the model type.

→ **In case of absence of the Switch for choosing input voltage**

You don't have to select the voltage because the system can select automatically 110V or 220V.

→ **In case of presence of the Switch for choosing input voltage**

When you install the system, confirm 'the switch for choosing input voltage' and 'input voltage(110V/ 220V)'.

If the input voltage is 220V, Select 230V.
(The switch for choosing input voltage is selected 230V when the the product is forwarded.)

It the input voltage is 110V, Select 115V.

## 2. Connecting the PS/2 Type Mouse and Keyboard

Connect the PS/2 type mouse to PS/2 type mouse connector and PS/2 type keyboard to PS/2 type keyboard connector.

## 3. Connecting the Monitor

Connect the Signal Cable of the monitor to the VGA Monitor Connector.

## 4. Connecting the Peripheral Devices connected with Sound

You can the Peripheral Devices connected with Sound by connecting to the Sound Card.
(Connecting devices can differ from the Sound card by model type.)

## 5. Connecting USB Device

You can use the USB Mouse, Keyboard, USB CCD Camera by connecting to the USB Device.

## 6. Connecting LAN

When you connect LAN Cable to LAN Connector, you can use the Network.

**7. Connecting Printer**

You can use the Parallel Printer/Scanner by connecting to the Parallel Port Connector.

**8. Connecting Power**

Connect the Exterior Power to the system by the Power Input Socket.

## The Interior Components

**Type A**

1. Power Supply
2. CD-ROM (or DVD-ROM) Drive
3. Floppy Disk Drive
4. Hard Disk Drive
5. Interior Speaker
6. Mainboard

### 1. Power Supply

The Power Supply change the exterior AC power into the suitable DC power.

### 2. CD-ROM Drive(DVD-ROM Drive)

You can use the various format CDs like the Audio CD, Video CD with the CD-ROM(DVD-ROM) Drive.

(CD-ROM Drive/DVD-ROM Drive is adopted differently by the model type.)

### 3. Floppy Disk Drive

The FDD can read and write the Floppy Disk.

### 4. Hard Disk Drive

The HDD is the auxiliary memory unit can read and write the data.

### 5. Interior Speaker (option)

When the application program connected with Sound works, the sound is output.

### 6. Mainboard

The Mainboard is the circuit board with various kinds of parts.

## I/O Connector and Main Chip Set

The Mainboard is composed of the CPU, Main Chip set, I/O Connector, etc.

### 1. PS/2 Type Mouse and Keyboard Connector

You can connect PS/2 Type Mouse and Keyboard to the Connector.

### 2. Serial Port

You can use the Serial Mouse or Serial Printer by connecting to the Serial Port.

### 3. Parallel Port

You can use the Parallel Device like the Printer by connecting to the Parallel Port.

### 4. VGA Monitor Connector

You can connect the Signal Cable to the Connector.

### 5. Jack(Connector) connected with Sound function

You can connect the devices connected with Sound to the Jack(connector).

Line Output Jack

You can connect the exterior speaker to the Line Output Jack.

Line Input Jack

When you connect the record/play devices like the Cassette Player, CD Player or the VCR to the Line Input Jack, you can record and play the sound or image.

Microphone Jack

You can connect the Exterior Microphone to the Microphone Jack.

MIDI/ Game Port Connector

MIDI/Game Port Connector is used to MIDI signal input or output like the MIDI Sound Source Module, the keyboard supported MIDI.
Connect the Joystick for game to the same connector.

### 6. USB Connector

You can connect the Peripheral Devices like the Keyboard, Mouse, Scanner, Printer,

Joystick supported USB(Universal Serial Bus) to the USB Connector.

**7. LAN Connector**

You can use the Network by connecting LAN Cable to LAN Connector.

**8. AC 97 Audio Codec**

AC 97 Audio Codec is a Stereo Full-Duplex Codec. It can convert Analog into Digital (A/D Converter) or Digital into Analog (D/A Converter).

**9. CNR Slot**

You can connect the card connected with network to the CNR Slot.

**10. Battery**

When the AC Power is turned off, the battery supplies the electricity to the RTC RAM and CMOS RAM.

When the Power is connected to the system, the battery takes a new lease of life.

**11. South Bridge**

The South Bridge is a Multifunction PCI device including the PCI-to-ISA BRIDGE and it has the PCI IDE function, USB Host/Hub function, expanded power management function.

**12. ROM BIOS**

It is saved at the Flash ROM. You can upgrade the ROM BIOS with the new BIOS program.

There are Setup Program, Power Management, Power On Self Test, ACPI and Ready Plug and Play function in this Flash ROM.

**13. PCI Expansion Slot**

According to functions, you can connect the PnP PCI option card to the Connector.

You can set up easily the PnP PCI Card without changing the Jumper or the switch, setting up another environment. When you turn on the system after setting up the PCI card, the BIOS sets up automatically the Interrupt, I/O Space and other parameters.

**14. AGP(Accelerated Graphics Port) Connector**

It is a connector for attaching the AGP Card. AGP(Accelerated Graphics Port) is a highly efficient dedicated video port for the graphic application program just like a three-dimensional application program. It works separately regardless of the PCI Bus.

### 15. Primary IDE Connector and Secondary IDE Connector

You can connect the HDD or CD-ROM Drive to the Connector.

The two E-IDE Connectors can use the ATAPI and IDE device(HDD, CD-ROM Drive, DVD-ROM Drive, Zip Drive, etc) to a maximum number of 4.

### 16. Power Supply Connector

You can connect the Micro ATX Power Supply to the Connector.

### 17. Main Memory DIMM Socket

You can expand the memory to 2GB(DDR 266 SDRAM is supported) maximum with two 184 Pin DIMM Socket.

### 18. North Bridge

It controls the system of the Bus Controller, Address Path, Host Bus of the Processor, Memory Bus, AGP Bus, etc.

### 19. Floppy Disk Drive Connector

You can connect Floppy Disk Drive to the Connector. You can connect two FDDs to the Connector and can set up the FDD Interface for the FDD at the BIOS set up program.

### 20. mPGA 478 Pin Socket

You can attach the Processor of the Intel Pentium 4 mPGA 478(FC-PGA2) type to the mPGA 478 Pin Socket.

### 21. CPU Fan Connector

The CPU Fan Connector is for connecting Heat Sink with a CPU Fan Cable attached to itself.