



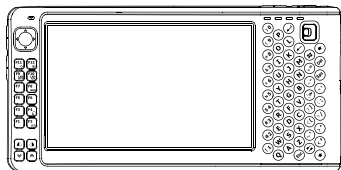
True 2nd Generation UMPC

EVERUN

User's Manual

Version 1.0

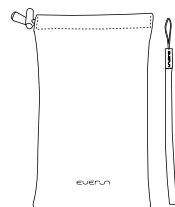
Basic Package Composition



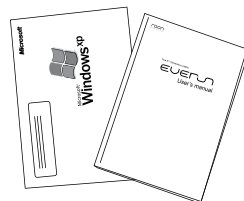
Main Body



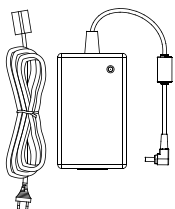
Battery-Standard capacity



Carrying case&Strap



User Guide & Windows XP CD



AC Adapter & Cable



VGA Cable



Stylus Pen

* The package composition may change without prior notice

About the Operating System

The operating system installed in the device is the latest version of Windows XP Home Edition. If any problem occurs due to the change of the operating system, exchange of the product or refund is not available, and any technical services may require payment. Microsoft will provide all technical services or upgrade with regard to the operating system.

About data stored in the device

Data saved or installed in the hard disk of the device or SSD may be damaged due to the malfunction of a program, misuse, external physical shock, or a magnetic field. Please always keep a backup for important data. Raon Digital does not take any responsibility for customers' loss of data during use.

Precautions, care and maintenance

Everun is a precision electronic device susceptible to physical shock, heat and water. Please keep away from such substances during use. If left inside a closed automobile during the hot or sunny weather for a prolonged time, it may malfunction or overheat possibly catching fire. Raon Digital does not take any responsibility for malfunctions or accidents caused by prolonged abandonment in such conditions. For other inquiries, please refer to the user guide introduced below.

User Information

Acknowledging Special Precautions
and the FCC Industry Canada Notice

Cautions

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance Information

This device complies with part 15 of 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.

Information to User

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 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 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.

FCC RF Exposure Information

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters.

Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of TRITON complies with the FCC guidelines and these international standards. Use only the supplied or an approved antenna.

Unauthorized antennas, modifications, or attachments could impair call quality, damage your TRITON, or result in violation of FCC regulations.

Do not use your TRITON with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

EVERUN was tested for typical body-worn operations using the optional belt-clip / holster placed touch(0cm) from the body. To comply with FCC RF exposure requirements, a separation distance of touch(0cm) must be maintained between the user's body and EVERUN, including the antenna, whether extended or retracted. The use of non-tested accessories or other body-worn operations may not comply with FCC RF exposure requirements and should be avoided. Contact your local dealer for optional accessory items.

For more information about RF exposure, please visit the FCC website at www.fcc.gov FCC Radio Frequency Emission

This phone meets the FCC Radio Frequency Emission Guidelines. FCC ID number: PGVCB-0880NP. More information on the phone's SAR can be found from the following FCC website: <http://www.fcc.gov/oet/fccid>

Basic Package Composition About the User Guide

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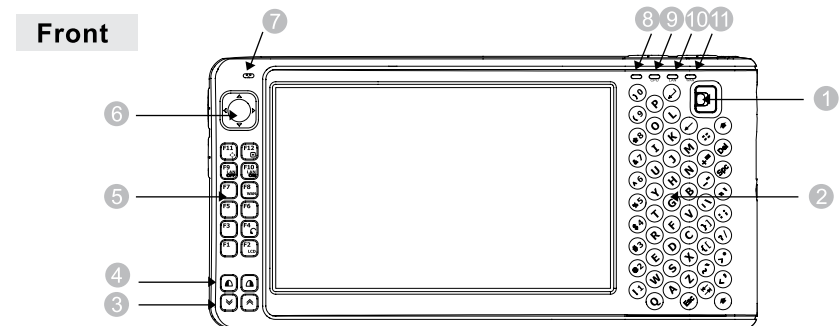
1. Overview

1-1 Key Descriptions

Front
Back
Top
Bottom
Left / Right

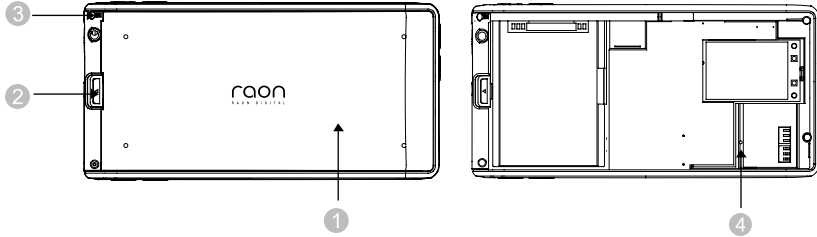
1-2 Switching the device on and off

Switching the device on
Switching the device off



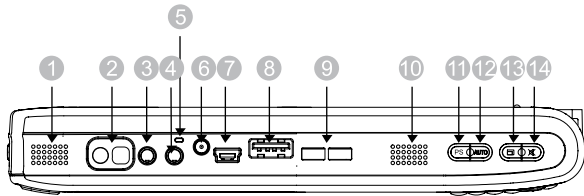
- ① Optical Mouse: A highly sensitive optical mouse with left-click function installed. (Adjust speed at the Control Panel)
- ② Keyboard: QWERTY keyboard. Keyboard lamp(backlit) is turned on when the key buttons are used, allows convenient use in the dark.
- ③ Scroll key: A similar function with the wheel in a mouse, used to scroll up and down between the pages.
- ④ Mouse button: Left and right buttons of the mouse
- ⑤ Function Keys: Ranges from F1 to F12
- ⑥ Arrow Keys & Game Pad: a game pad with 8 directions. Can be used as arrow keys.
* When used as game pad, number keys 1~6 are used as the commander buttons.
- ⑦ Microphone: A monotype microphone for voice recording or phone use.
- ⑧ LCD brightness sensor: A sensor to automatically adjust the LCD brightness depending on the ambient.
- ⑨ CPU LED :Shows CPU clock status.
Fast Mode: on
Normal Mode: blinks quickly
Power Saving Mode: blinks slowly
- ⑩ LAN LED : A blue light blinks on the LED when the wireless LAN(WiFi) is connected.
- ⑪ WLAN : A green LED turns on when HSDPA or WiMAX is used.(optional)

Back



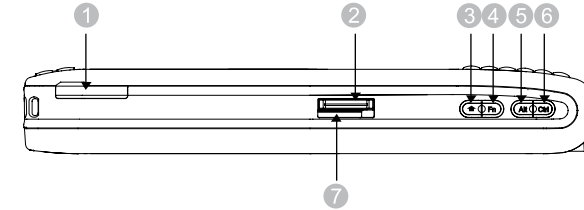
- 1 Battery (Standard capacity: 2,300mAh, large capacity: 4,000mAh)
- 2 Battery release lever
- 3 Stylus pen holder
- 4 BIOS(CMOS) Reset

Top Side



- 1 Stereo Speaker(Left Side)
- 2 Camera(Optional)
- 3 Earphone jack
- 4 Microphone jack
- 5 Battery indicator LED
- 6 Charger socket
- 7 USB mini B (used to connect to a personal computer as a external hard disk drive)
- 8 USB Host (used to connect to a USB device)
- 9 Cooling Vent
Do not cover or put anything in the vent. It might cause malfunction or failure of the device
- 10 Stereo Speaker(Right side)
- 11 PS Button: Press this button to switch into Power Savings Mode(CPU LED blinks slowly)
- 12 Auto Button: Press this button to use Automatic Power Management Mode
- 13 Resolution button: Adjust the resolution by pressing this button
- 14 Mute: Press the button to enable or disable Mute.

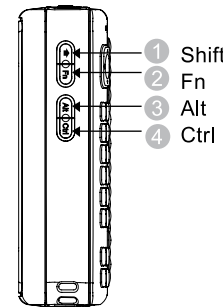
Bottom Side



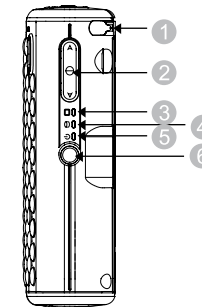
- 1 SIM card slot(Insert SIM card to use HSDPA or WiMAX)
- 2 24-pin socket to connect to Docking station or external monitor (Docking station is not included in the basic package)
- 3 Shift
- 4 Fn
- 5 Alt
- 6 Ctrl
- 7 Bottom cooling vent

This vent is to keep the inside temperature of the device down.
Please do not cover or seal the hole for it may cause malfunction or failure of the device.

Left Side



Right Side



- 1 Stylus Pen
- 2 Sound Volume or Screen Brightness control button
- 3 LCD Status LED :
Orange light when LCD is OFF
- 4 Hard disk status LED :
white light blinks
- 5 Power LED :
- Off when system is shutdown or Hibernating.
- Red when in standby mode
- Yellow under normal operation
- 6 Power Button

Switching the Device On

- To switch the device on, Insert the battery and press the power button **G** on the right side.
- The required time for loading into Windows may vary.
- Windows starts from the point which was set at the previous Turn off. See below.

Switching the Device Off

You can choose either Standby, Turn off or Restart.

- "Standby" is to maintain the current Windows settings so that users can immediately start the system by pressing the power button. Your battery will slowly lose charge in this mode as the machine isn't switched off.
- "Turn off" completely turns off the device.
- "Restart" is to shut down Windows and start again, used to install programs or correct temporary malfunctions.
- You can also "Hibernate": This mode saves the current memory contents to the disk drive and then turns off the PC. Restarting will load the saved memory contents into RAM including any programs that were running at the time. Press and hold the shift key at the Turn off window, and the "Standby" will turn into "Hibernate". Select the Hibernate and to Turn off .

★ This function requires the "Hibernate" be enabled at the Hibernate tab under the power option of the control panel. You will also need free disk space equivalent to the size of the computer's RAM.

2. Battery Information and Charging the Battery

- 2-1 Inserting and Removing the Battery
- 2-2 Charging the Battery
- 2-3 Check the Remaining Battery life

2. Battery Information and Charging the Battery

- ⚠ - Two types of battery are available: the standard (2,300mAh) and large (4,000mAh.) This package contains the standard capacity battery. The large battery can be separately purchased from an authorized retailer.
- The Battery used in Everun is a lithium ion battery with protective functions against excessive current and high temperatures.
- Please do not attempt to open or disassemble the battery or hit or drop it, for this may cause it to explode or catch fire.
- If the battery is damaged by user's misuse such as disassembly or carelessness, a service fee will be charged.
- If the battery gets wet, please stop using it and contact an authorized service facility.

Inserting and Removing the Battery

- ⓘ - Securely hold the device, and press the the battery against the corresponding slot at the back of the device, and slide in the battery until it clicks
- Check if the battery is securely attached to the body.
- To remove the battery, press the release button and detach.
- Caution, the battery may get hot during use.

Charging the Battery

- ⚠ Use only the compatible original charger, and please refrain from using any other chargers. If chargers other than the one included in the package are used, the battery may not be charged properly or it may overheat or catch fire. For a full charge, discharge the battery first and then start recharging. The battery may get hot during charging. While charging, please be careful not to cover the battery as this may trap heat. The LED of number ⑤ at the the page 11th is the charging progress indicator.
 - Orange: Fast charging
 - Blue: Normal charging(approximately 80% charged)
 - Light off: Charging completed or stopped.
- ⓘ When the product is hot, battery charging time can be longer by heat sensor's operation in battery.

Check the Remaining Battery life

- To set the low battery alert , open ExpWin at the bottom right side of Windows task bar. ExpWin shows the remaining battery percentage and estimated remaining time.
- The remaining time means hours left to maintain the current system, which will vary depending on the applications used.

3. Basic Use

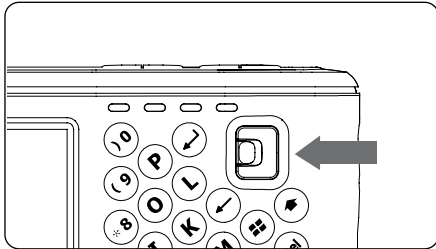
3-1 Basic Operation

Optical Touch Mouse
Arrow Keys and Game Pad
Keyboard
Pivot Function
Wheel Function
Automatic Brightness Adjustment
Sound Control
Microphone
Earphone
USB Connection
Selecting Power Management mode
Customizing the Resolution
Connecting an External Display

3-6 Hot Keys by Fn key Combinations

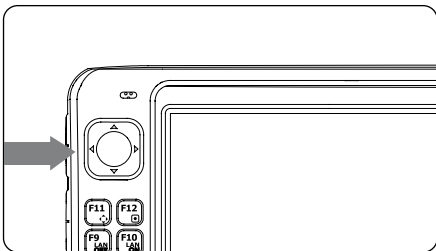
3-7 Everun Management Program: ExpWin

Optical Touch Mouse



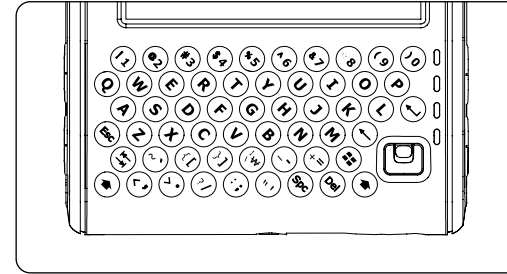
- Optical touch mouse operates same as a normal mouse.
- Optical touch mouse has both click and double click like a normal mouse.
- To right-click, click the optical touch mouse once while pressing the Fn key.
- For the optical touch mouse settings, go to Windows Menu Start > Control Panel > Mouse
- To use the wheel function like a normal mouse, drag up and down the optical touch mouse while pressing the Fn key.
- The drag keys (⏴) (⏵) at the bottom left side will enable the wheel function like a normal mouse.

Arrow Keys and Game Pad



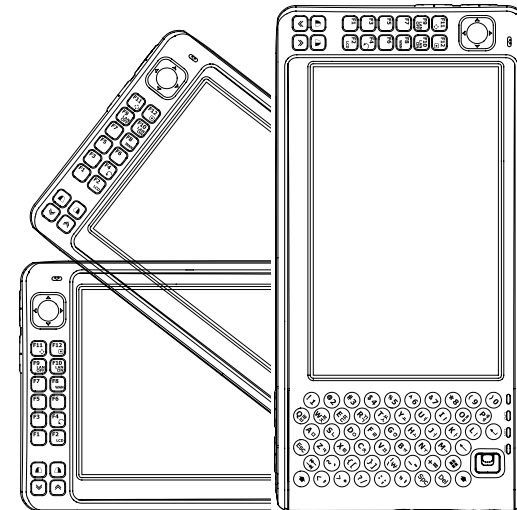
- The square key at the upper left side is used as the arrow keys or game pad
- Press F11 key at the side with Fn key to use it as the arrow keys, and F12 with Fn for the game pad mode
- If used as arrow keys, it moves up, down, left and right to 8 directions.
- When used as the game pad, go to Control Panel > Game Controller > Test to test the movement
- When used as the game pad, number keys 1~6 at the QWERTY keyboard on the right side are used as the commander buttons.

Keyboard



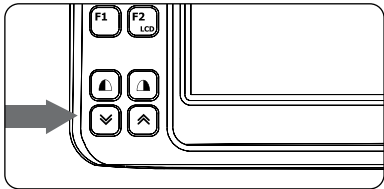
- QWERTY keyboard, with 57 keys on the right and 12 keys on the left side.
- Backlit keys for ease of use in the dark.

Pivot Function



- The screen automatically adjust its direction in any position.
- To disable automatic pivoting, select Lock in the ExpWin application on the taskbar. (Or press Fn+F4)
- You can also select the rotation direction in ExpWin.

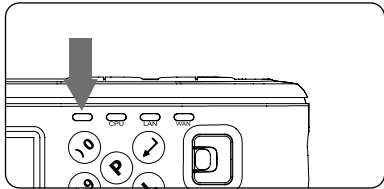
Wheel Function



Front

- The up and down keys at the bottom left corner function as a mouse wheel.
- Move the mouse up and down while pressing the Fn key on the side

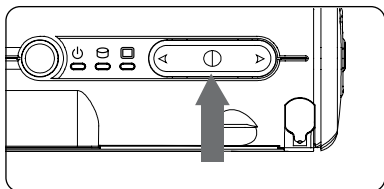
Automatic Brightness Adjustment



Front

- LCD brightness is automatically adjusted to ambient light.
- Manually adjust the screen brightness by using the volume control key with the Fn key
- You can also manually adjust the brightness in the ExpWin application on Windows taskbar

Sound control

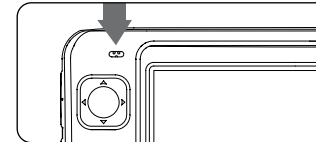


Right Side

- Use up and down button on the right side to control the sound volume.
- You can also control the main sound volume by using the speaker icon on the taskbar.
- Volume controlling menu is also in ExpWin on the taskbar.

If the sound output contains interference or noise, double click the speaker icon on the taskbar to open the Master Volume Control window. Go to Option > Properties and select Recording. Then, set microphone volume lower or select Line-In in the Recording Control window.

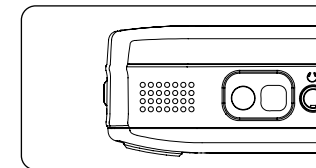
Microphone



Front

- Double click the speaker icon on the taskbar.
- Go to Option > Properties and select Recording. Activate the Microphone and Mono In at the volume control and adjust the volume.

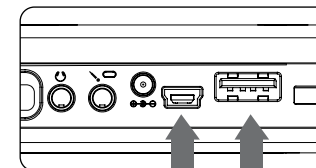
Earphone



Top

- Adjust the sound volume before connecting an earphone.
- Connect the earphone to the earphone jack at the top side.
- If the sound contains noise, double click the speaker icon on the taskbar to open the Master Volume Control. At the volume control windows, go to Option > Properties and select Recording. Then, set microphone volume lower or select Line-In in the Recording Control window.

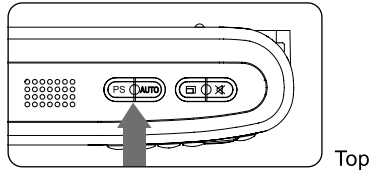
USB Connection



Top

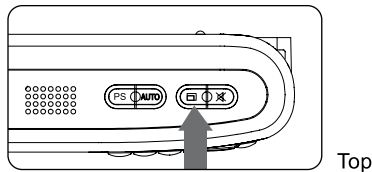
- Everun has two USB ports; one for the USB host and the other for an external device.
- To use the Everun as an external hard disk drive, connect the Everun and a computer using a USB cable (separate purchase) when Everun is switched off.
- USB devices such as external keyboards, mouse, or hard/optical disk drives can be connected to the Everun's USB port. Driver installation may be required depending on the devices.
- Install the driver using the supplied program.
- Some USB devices may not work properly unless connected to an external power source.
- If a USB device is not recognized by Everun, please check the device in other computers.

Selecting Power Management mode



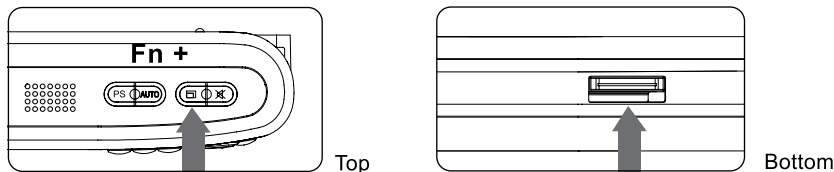
- PS (Power Save) Mode : The PS mode is to save the power. Recommended for a program to need little CPU load, such like a internet, a word processor and a music player.
- Auto Mode : The Auto mode controls CPU speed automatically. Use Auto mode when video stops during playing or when the audio does not sync with the video. Be aware that the auto mode consumes more battery time.

Customizing the Resolution



- Press the Screen Button on the top side to switch between the resolution levels set in ExpWin.
- The default value for the resolution is set at 800X480.

Connecting an External Display



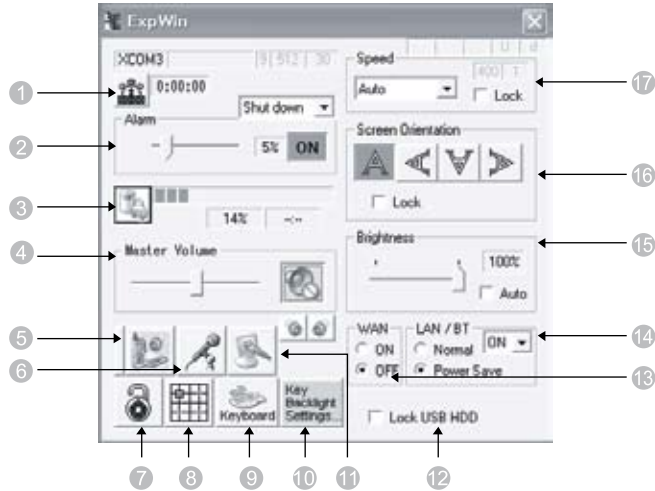
- Connect the 24 pin cable included in the package to the socket located at the bottom side.
- Press Resolution key with the Fn key will change from the LCD to the external display.
- Resolution can be adjusted for the external display also.

Hot Keys by Fn key Combinations

	Fn + F2 : LCD On, Off Turns the LCD on and off.
	Fn + F4 : Enable/disable the automatic pivot mode. Enable/disable or lock/unlock the automatic screen rotation(pivot).
	Fn + F8 : HSDPA or WiMAX On, Off. Switch HSDPA/WiMAX On and Off.
	Fn + F9 : Wireless LAN/Bluetooth device Power Off.
	Fn + F10 : Wireless LAN Power On & Power Save Mode switch. Switch Power Save Mode (Blue LAN LCD blinking) and Fast Mode(LAN LED ON).
	Fn + F11 : Cursor key mode(up/down/left/right) The square key at the upper left is set to function as arrow keys.
	Fn + F12 : Gamepad mode. The square key at the upper left is set as the game pad. * In Gamepad mode use the square key for direction, and number keys 1-6 as buttons 1-6 on a standard game pad.
	Fn + click optical mouse : same as the right-click of a mouse. Fn + drag mouse : same as the wheel of a mouse. used to scroll up and down the pages.
	Fn + Spc(Space) or Shift + Spc(Space) : Toggle keyboard between Korean and English.
	Fn + Mute : Enable/disable Lock. Disables keyboard, mouse and touchscreen input.
	Fn + Screen button : Toggle display. (internal LCD or an external display)
	Fn + Arrow keys : up / down / left / right key works as page up / page down / home / end key.
	Fn + Shift : "Caps Lock" key.
	Fn + Del : "Insert" key.
	Fn + P : "Print Screen" key
	Fn + Volume Up/Down : Brightness Up/Down

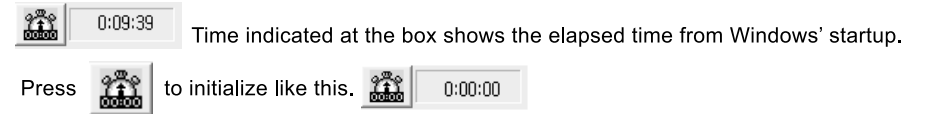
Everun Management Program: ExpWin

ExpWin is a program designed to exclusively manage all the operations of Everun. ExpWin is activated by clicking the icon on the taskbar at the bottom right corner.



- ① Shows elapsed time from Windows' startup.
- ② Set battery alarm
- ③ Indicates the remaining battery and external power supply connection.
- ④ Shows audio volume level, mute status and controls sound volume.
(You can enable Mute for the left speaker only for mobile phone application.)
- ⑤ Shows 'Mono In' Mute status. Click to turn it on or off or push the 'Fn+F3'.
- ⑥ Shows Mic status. Click to turn it on or off or push the 'Fn+F5'.
- ⑦ Shows Lock status of input devices. You can lock the input device by clicking it.
(Lock off is by Fn+Mute key.)
- ⑧ Performs touch screen calibration.
- ⑨ Shows whether it is in arrow key or game pad mode. Click to convert between the two modes.
- ⑩ Settings related to the keyboard lamp(backlit).
- ⑪ Screen resolution setting
- ⑫ Enables/disables the USB HDD function for increased data security.
(If Everun is in standby or Hibernate mode, Lock is automatically enabled.
The machine must be fully switched off to use as an external HDD.)
- ⑬ Shows WAN status; click to turn it on or off.
- ⑭ Shows and selects the LAN power management mode.
- ⑮ Shows and adjusts LCD brightness.
(If Auto is selected, brightness is automatically adjusted to ambient light.)
- ⑯ Shows screen orientation. Click the button to rotate the screen.
- ⑰ Shows and selects the CPU clock control for power management mode.

Time Indicator



Low Battery Alert

If alarm is set, selected activity starts 10 seconds after the Alarm Message.

Alarm

Low Battery

Shut down

Hibernate

Stand by

Cancel

Following options are available when low battery alarm is activated.

- Shut down : system switch off
- Hibernate : Saves the current memory contents to the HDD and turns off.
- Stand by : Goes into standby mode
- Do nothing : No action

Remaining Battery and external power supply connection status

- This icon indicates that the battery is inserted and external power supply is connected. Indicator shows percentage remaining.

- Only battery is inserted. Remaining battery is shown in percentage and average time left.

★ Time indicated according to the percentage remaining may vary depending on the system condition.


- Only external power supply is connected without a battery

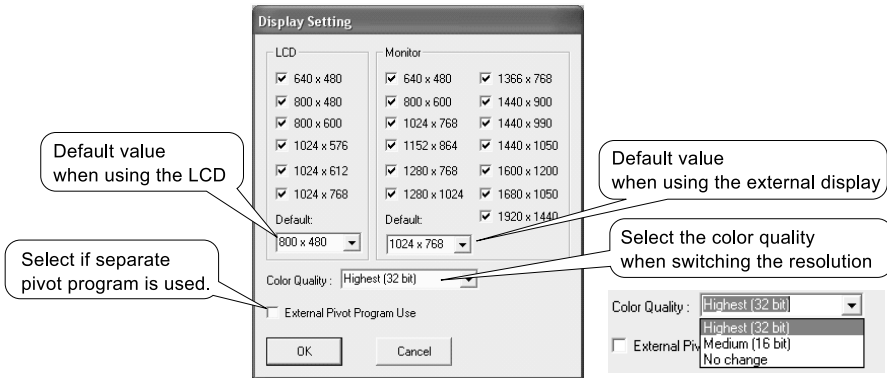
Audio Volume Control and Mute

- Enable the Mute on the Master Volume

- Mute the left speaker only.

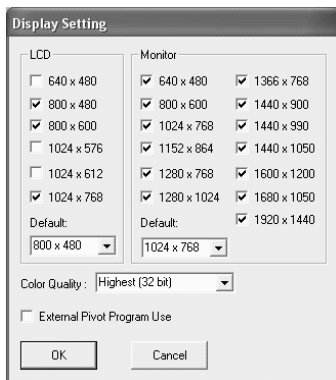
Setting the resolution values to be switched in between by using the resolution control button

Press  button to activate the display setting as below



Select resolution values to be switched between and press 

Once resolution values are set, use the resolution buttons to switch between the selected values. If values are selected as below, resolution values will switch by pressing the button in the following order 800x480 ➔ 800x600 ➔ 1024x768 ➔ 800x480 ➔ 800x600 ➔ ...



Shifting from LCD to/from an external display monitor

Press resolution button with Fn key will shift to or from the LCD or external display monitor. When shifting between the displays, default resolution is set as selected in the "Default" box.


Lock all the input device (touch screen, mouse, keyboard)

Press Mute button with Fn key will enable or disable the Lock function.

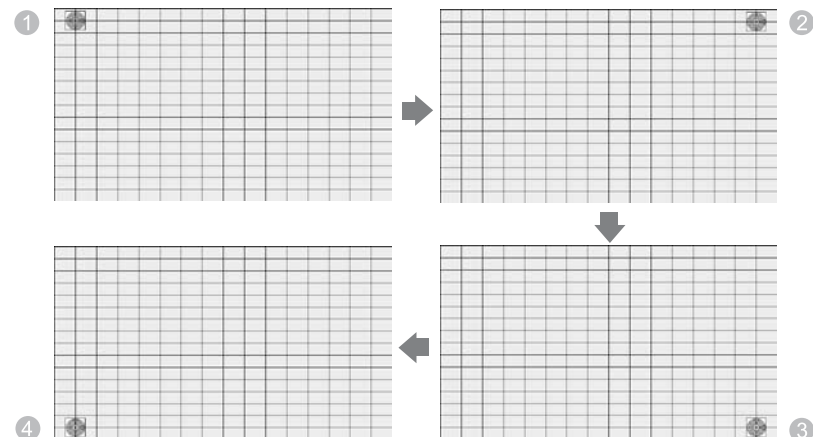
Press  button to turn into  and all the input devices will be locked.



Touch Screen Calibration Setting

Press  button to activate the calibration program.

- When calibration is finished, the program will automatically close
- Use the stylus pen to press the indicated spot (middle of the yellow contour lines) for 2~3 seconds in the order shown below.
- Once the first spot is set, it will automatically move to the next.
- Press Esc key to abort the program.
- If aborted the previous value is used.



Arrow Keys/Game Pad




This icon indicates the arrow key mode. Number keys 1~6 are used for numbers.

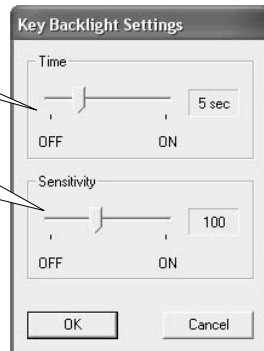


This icon indicates game pad mode. Number keys 1~6 are used for the game pad buttons.

Setting the keyboard lamp(backlit)

The keyboard lamp(backlit) is turned on only in dark places, depending on the set values. It will be turned off automatically if the keyboard is not in use for a certain period of time.

Click  button to activate the key backlit settings window.

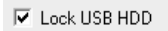


Select time after which the lamp is turned off if not in use.

Select the benchmark brightness of ambient for which the lamp is to be turned on.

Enable/disable lock for the device being used as a USB external hard disk drive

When Everun is used as a USB hard disk driver, you can enable or disable the Lock function. If "Lock USB HDD" is marked as below, Everun will not be recognized as an external hard disk drive to other computers once Everun's power is switched off. This is to protect any private data stored in Everun by preventing access via USB.

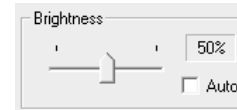


* In Standby or Hibernate mode, USB function is automatically disabled due to the way XP deals with the filesystem. You must fully shut down to use Everun as an external HDD.

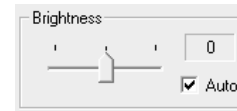
Adjusting the LCD Brightness

You can adjust the LCD brightness either automatically or manually. If set to auto, brightness will be adjusted to ambient levels. Auto adjustment minimizes the dazzling effect from the keyboard lamp and also saves additional power.

* When using auto adjustment, be careful not to cover the sensor.



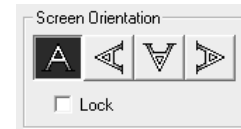
Indicates manual adjustment mode, and the brightness of the LCD.



Indicates auto adjustment mode, and relative benchmark point to which the LCD brightness should be adjusted.

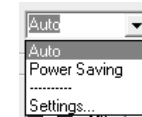
Screen Orientation(Pivot)

Indicates screen orientation status, and you can rotate the screen by clicking the buttons. By selecting the "Lock," you can prevent unnecessary rotation while moving. You can manually rotate the screen by clicking the each button. The screen will automatically rotate by placing the device in the desired direction.



CPU Speed Control

Select the CPU clock control mode. If "Lock" is selected, the speed can't be changed. Auto : CPU speed is automatically adjusted depending on the user's system use. Power Saving : CPU is set at low speed to save power.



4. Establishing a Network

4-1 Using the Wireless network

4-2 Using Bluetooth

Everun supports wireless networks (WiFi), Bluetooth or WLAN(HSPDA, WiMAX)
To use a wired network, a separate USB type LAN card should be purchased.

Wireless Network(WiFi)

- Wireless network is to connect to the home use wire/wireless router or internet wireless service(e.g.hotspot).
- When the wireless network is connected, LAN LED blinks in blue at the upper right side.
- Using the wireless network may require the SSID(name of a device) of wireless AP and a network key for security protection.

For detailed information, please refer to the user guide of each device.

Types of Wireless Network

- AP Connection type
Connect to the AP in an AP installed network

AP(Access Point)
A networking device connecting the wired and wireless devices or networks, meaning the wireless hub for the wired network. Multiple wireless networking computers can be connected to one hub. Home use wired/wireless router belongs to this type.

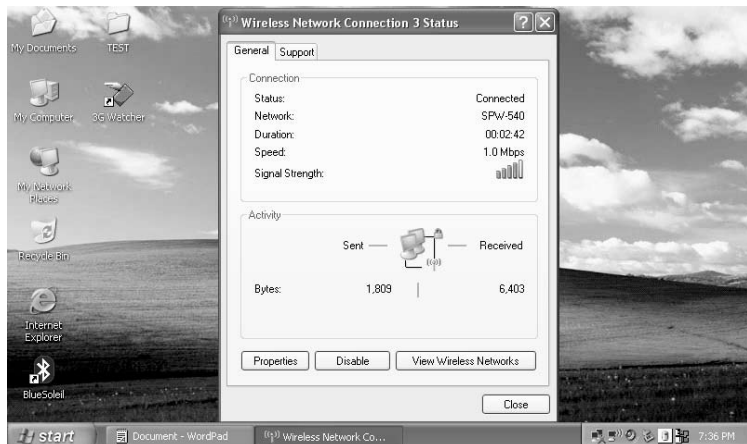
- Small group network type
This is to wirelessly connect to a computer. Make a small group network in a computer, and multiple computers are wirelessly connected to this host.
(For more detailed information, please refer to Windows Help > Network and web)
- Wireless network services provided by telecom companies would be available in public areas or institutions such as hotels, schools and subway.
To use the wireless network in hotspot, you have to sign up for the available service products.

Using the Wireless Network

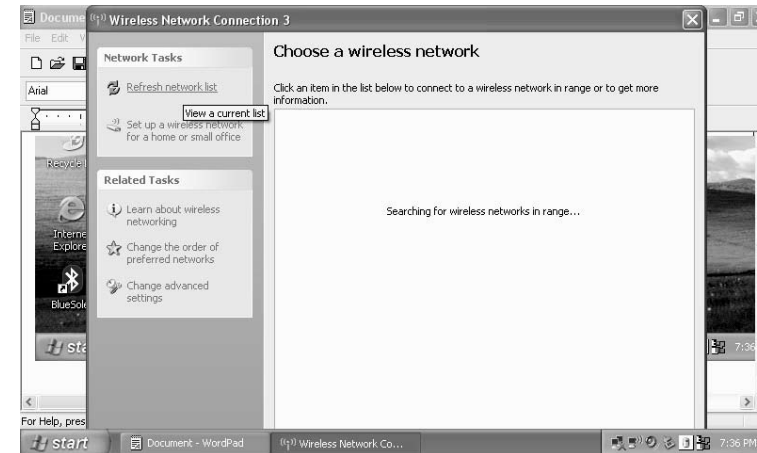
Check the wireless network connection status by clicking the icon on the taskbar indicated by the arrow below.



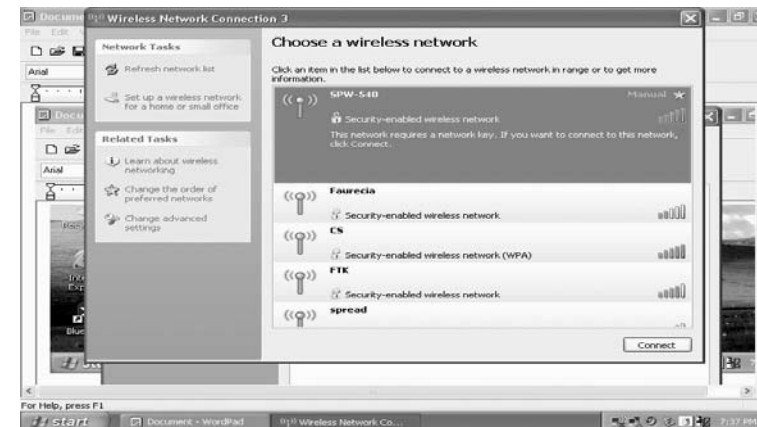
If marked as "connected," the wireless network is in operation.
If not, click "View wireless networks."



Press "Refresh the network list" on the left to search for the available networks.

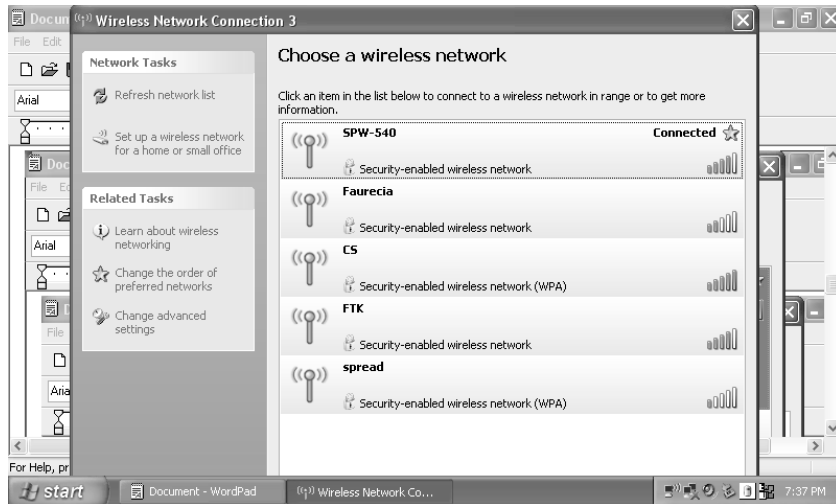


Select the desired network from the list on the right, and then click "connect."



If the network has security protection, it will ask you to enter a password or PIN code.

A normally operating wireless network would look like below.



When LAN is set to 'Power Save Mode' for a long time, the network sometimes disappears in the available wireless network lists. In that case, exit other running programs and refresh network list.

When the speed is slow in internet or network connectivity is unstable, Set to Normal mode, not Power save mode in ExpWin program or by short-cut key (Fn+F10). If it is set to the power save mode, blue LAN LED blinks. In the Normal mode, the blue LAN LED is on continuously.

When Processor priority is set to "High" or "Real time" for a program like movie player, LAN can be disable in Power Save Mode.

Bluetooth is a technology wirelessly connecting all devices which support it, e.g. mobile phones, printers, stereo headsets, mice, and keyboards. The use of Bluetooth may be restricted due to the profiles applicable to each device.

Bluetooth is used for....

- File transfer

You can transmit files between the two Bluetooth applied devices. You can also exchange files with other computers, mobile phones and PDAs.

- Network Connection

You can connect the device to the wireless network of a computer with Bluetooth installed, AP or shared server.

- Dial up connection

You can make a dial up connection to a network using a Bluetooth mobile phone.

- Data Synchronization

You can synchronize data stored in the device such as outlook email addresses with Bluetooth enabled devices such as mobile phone, PDA, or laptop computers

- Electronic Business Card Exchange

You can exchange electronic business cards with Bluetooth enabled devices such as mobile phones, PDA or laptop computers.

- Sound Play

Audio or sound files stored in a computer or in a Bluetooth enabled device can be played interchangeably in both types of the devices.

- HID Connection

Bluetooth enabled devices such as keyboard, mouse or joystick are compatible with Everun.

Using Bluetooth

Start the "Blue Soleil" program indicated by the arrow below on the desktop or program folder.



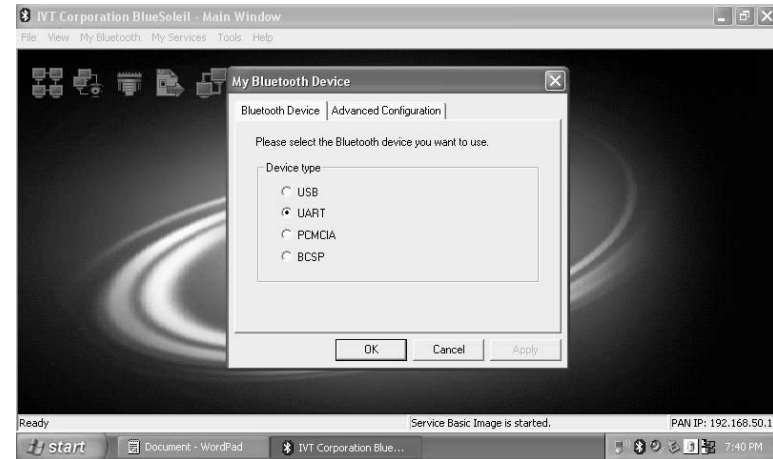
Bluetooth controller(Blue Soleil) has started



Go to "My Bluetooth Device" under the Tool menu.



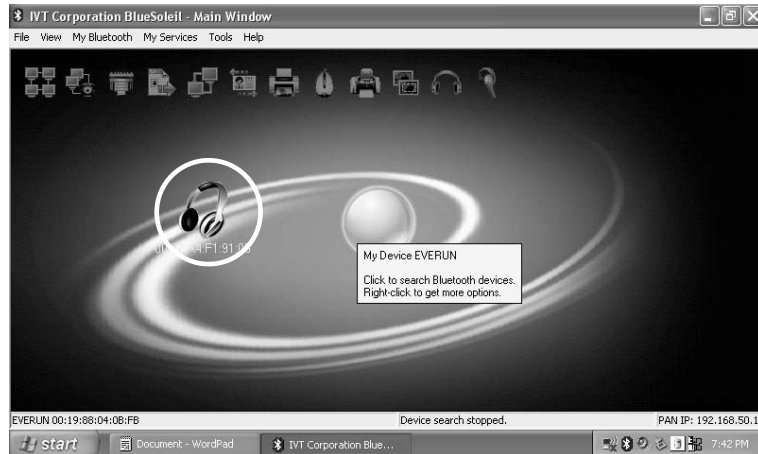
Select the device type of the Bluetooth as "UART" at the device tab.



Select the communication port as “COM1” and select “921600” for the Baud rate. Set other options as shown in the picture below.

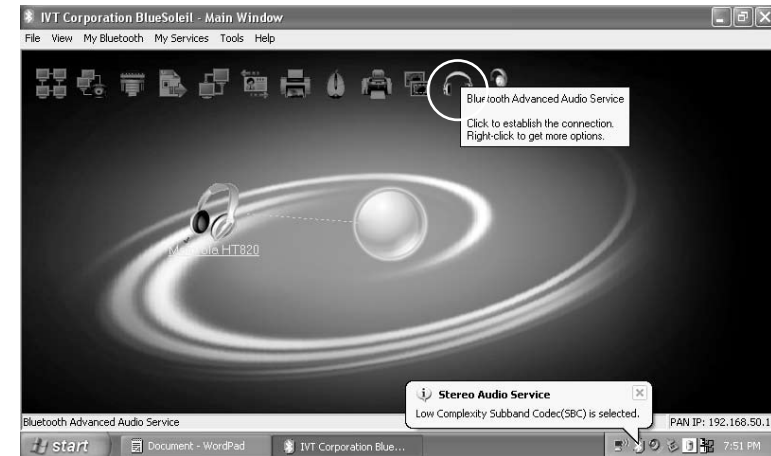


Click the yellow ball in the middle and available Bluetooth devices will appear.



The icons will be activated (colored green) depending on the device you selected. Click the activated icon to connect. If asked to enter a code during the access, find the appropriate code from the Bluetooth device manual.

The following shows Bluetooth connection has succeeded.



5. Using Windows XP in Everun

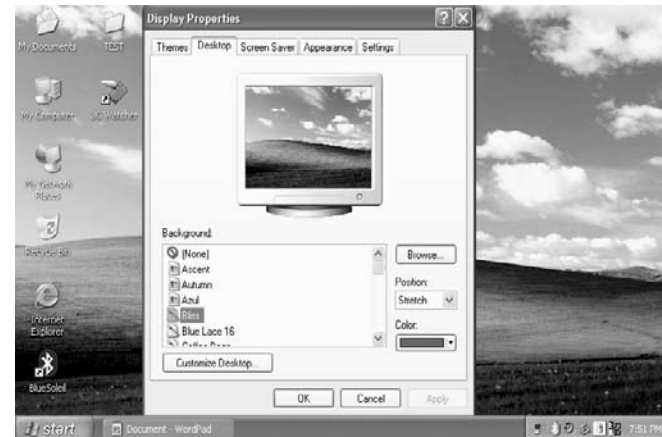
5-1 Desktop Settings

5-2 Mouse Settings

Windows XP Home Edition installed in the product is identical to that used in personal desktop computers. For a more detailed manual and features, please refer to the "help" function in Windows.

Desktop Settings

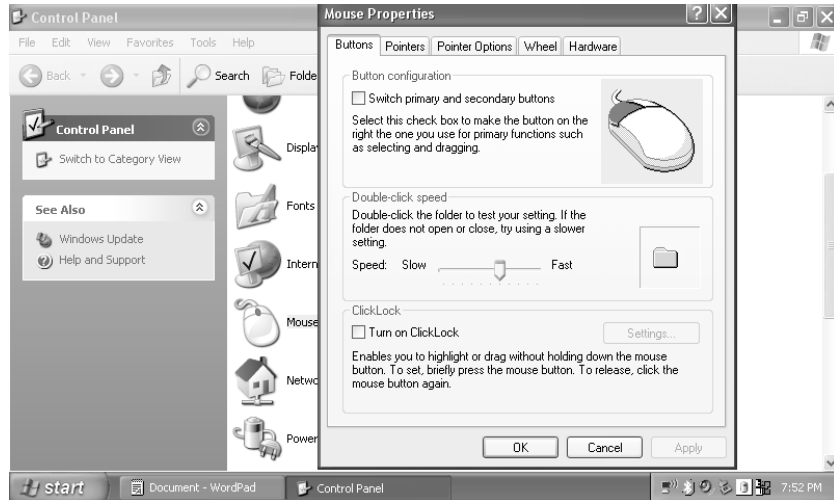
1. Once Windows has started normally, right-click on the desktop.
2. Go to Properties > Desktop > Customize as shown below.
3. Check the desired box and click "OK".



5. Using Windows XP in Everun - Mouse Settings

Mouse Setting

1. Go to Start > Control Panel > Mouse
2. Select the desired items.
3. Click OK to save the setting



6. Recovering Windows XP

- 6-1 Using Windows XP Self Recovery
- 6-2 System Recovery

Using Windows XP Self Recovery

Windows' Recovering function restores the system to a saved point. Set a Restore Point when the computer is normally operating and use it when needed. Note that data and programs saved or installed after the selected restore point will be deleted once the computer is restored. Please make a backup copy of important data made after the restore point before restoring the computer to the previous status.(email addresses and Favorites are preserved.)

1. Setting the Restore Point

- Go to Start > All Programs > Accessories > System Tools > System Restore
- Select "Create a Restore Point" and click "Next".
- Enter a remark in the description box and click "Create."
- A restore point is created

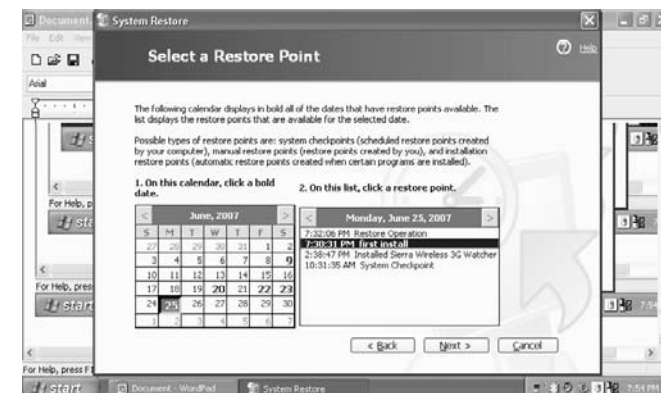


2. Restore the computer to an earlier state

- Click Start > All Programs > Accessories > System tools > System Restore
- Select "Restore my computer to an earlier time" and click "Next".



- Select a date on the calendar to which the system be restored, and select a list on the right box, and click "Next".



- Confirm the restore point and click "Next". The computer will restart and restore.



- When finished restoring, the system will restart. Press "OK" at the confirm window. Restore is successfully completed to the designated point

System Recovery

If you fail booting due to Windows system error or Virus, you can recover the system to factory setting.

[IMPORTANT NOTICE] Please make sure that you move/copy important files to other locations. (to Everun partition D or other PCs)

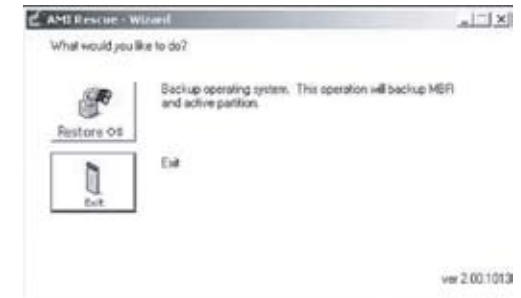
A. HDD only Model (S60H, L30H)



1. Turn on the Everun and click F10 button several times at the same time.
2. AMI Preboot Services will be displayed. (left pic)
3. Move to AMI RESCUE by using arrow key and press ENTER

- * optical mouse does not work at this screen
- * Windows booting bar and logo will be displayed

4. Wizard will be displayed as right pic.
5. Move to Restore OS by using optical mouse and click.
6. Follow the instruction. (click YES)
 - * It takes around 20 minutes to complete recovery
7. Press OK when complete recovery
8. Click EXIT and system will reboot automatically.



- * We recommend not to do other than above procedure.
- * SSD only model(S6S) does not support this function.

System Recovery

B. SSD + HDD Model (S66HS)

1. Turn on the Everun and click DEL button several times to enter BIOS SETUP.
2. Select Advanced BIOS features and Enter.
3. Select First Boot device and Enter.
4. Select HDD-1 and Enter.
5. Press F10 and Enter to exit from BIOS SETUP.



6. Turn on the Everun and click F10 button several times at the same time.
AMI Preboot Services will be displayed. (left pic)

7. Move to AMI RESCUE by using arrow key and press ENTER.

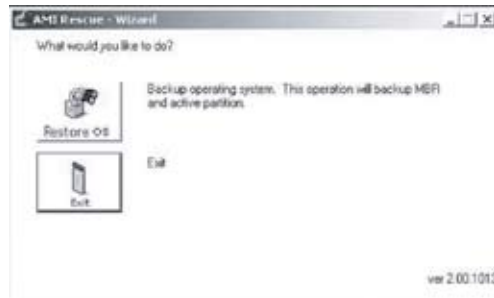
- * Optical mouse does not work at this screen.
- * Windows booting bar and logo will be displayed.

8. Wizard will be displayed as right pic.
9. Move to Restore OS by using optical mouse and click.

10. Follow the instruction. (click YES)
 - * It takes around 20~30 minutes to complete recovery.

11. Press OK when complete recovery.
12. Click EXIT and system will reboot.
13. Click DEL button several times to enter BIOS SETUP.
14. Select Advanced BIOS features and Enter.
15. Select First Boot device and Enter.
16. Select USB-CDROM and Enter.
17. Press F10 and Enter to exit from BIOS SETUP.
18. System will reboot automatically.

- * We recommend not to do other than above procedure.
- * SSD only model (S6S) does not support this function.



AFTER FINISHING SYSTEM RECOVERY

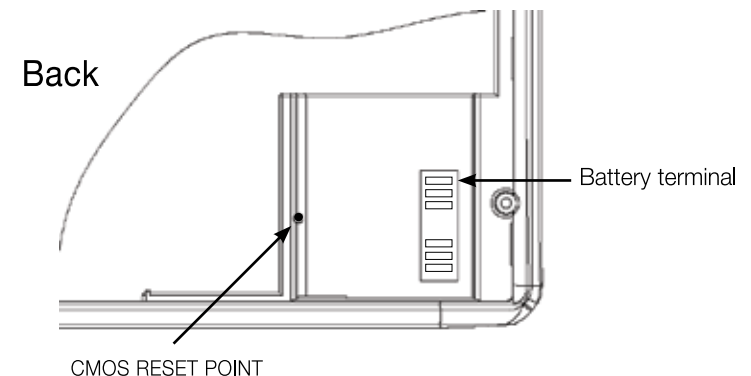
You need to take Microsoft Windows Validation procedure again.

1. Getting Validation by Telephone call to Microsoft

- [1] Turn on the Everun then Windows re-validation is asked.
- [2] Click "Validate"
- [3] Select "Validation through Telephone"
- [4] Select "Change Product Key"
- [5] Input Windows CD key from battery
- [6] Select your country and ARS number displayed.
- [7] Follow ARS and input Validation number.
- [8] Finish.

2. Getting Validation by Internet

- [1] Turn off the Everun and remove battery.
- [2] Reset CMOS by pushing CMOS Reset point using sharp subject.(clip etc.)
* see below drawing.
- [3] Turn on the Everun. THEN check Sum Error will display.
- [4] Press F1 to proceed to Windows booting screen.
- [5] Set dd/mm/yy and time.
- [6] Connect to internet.
- [7] Start>Program>Windows License Validation.
- [8] Select "Validation through Telephone".
- [9] Select "Change Product Key".
- [10] Input Windows CD key from battery.
- [11] After update, press BACK and select "Validation through Internet".
- [12] Finish.



7. Reinstalling the Drivers

- 7-1 Reinstalling the Display Adapter
- 7-2 Reinstalling WiFi Driver
- 7-3 Reinstalling the Multimedia Audio Controller
- 7-4 Reinstalling AES(Crypto Device)
- 7-5 Reinstalling the Serial Devices (Bluetooth use)
- 7-6 Reinstalling the ExpWin Program

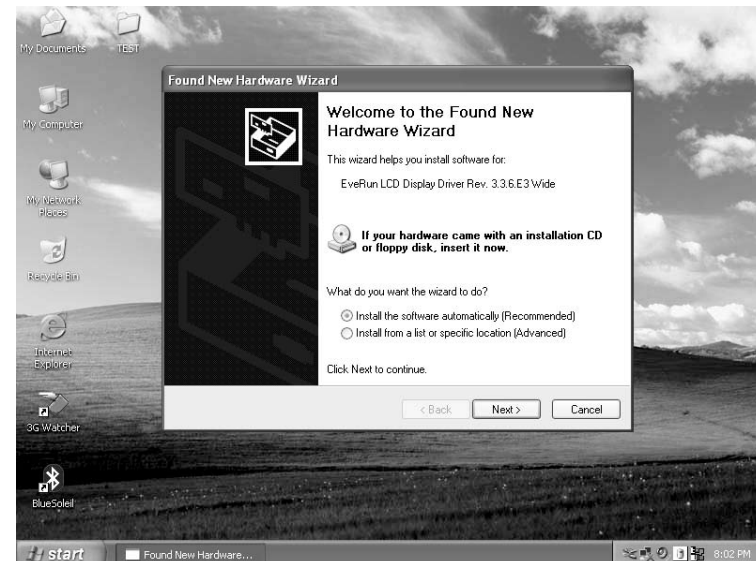
All the necessary drivers are installed when first purchased.
Refer to the following guidelines when reinstalling Windows or drivers.
Certain devices may not work without required drivers, which may even cause system failure.

To check the driver status,
go to Start > Control Panel > Administrative Tools > Computer Administrator > Device Manager.

- ❗ When reinstalling Windows, Direct-X 9.0 must be installed after all the drivers are installed for the normal operation of the system.
Direct-X 9.0 is available either from the Set-up disk provided or Microsoft homepage

The latest version of all the drivers required for the device are downloadable at the company homepage: www.raondigital.com.

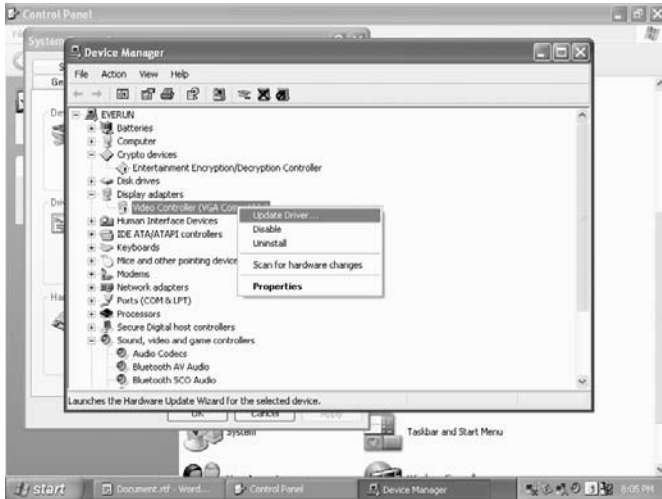
- ❗ To reinstall a driver, uninstall the existing driver and restart the system.
- ❗ When Windows is restarted, "Found New Hardware Wizard" window is activated as below.
Please do not click "Next". Cancel all installation.



Display Adapter

Reinstalling the Display Adapter

Go to Control Panel > System > Hardware > Device Manager
select video controller and right-click, and then select "Driver Update."



Select "Install from a list or specific location" and click "Next".



Select "Don't search, I will choose the driver to install" and click "Next".

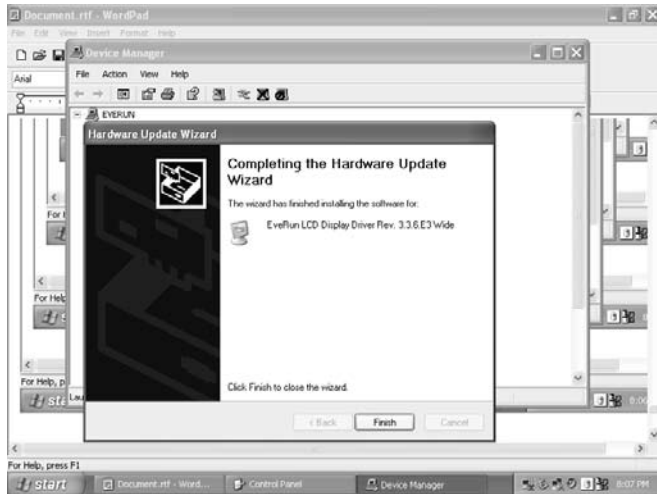


Click "Have Disk."

Go to the location where the driver is, select "EverunGraphics" and click "Open."



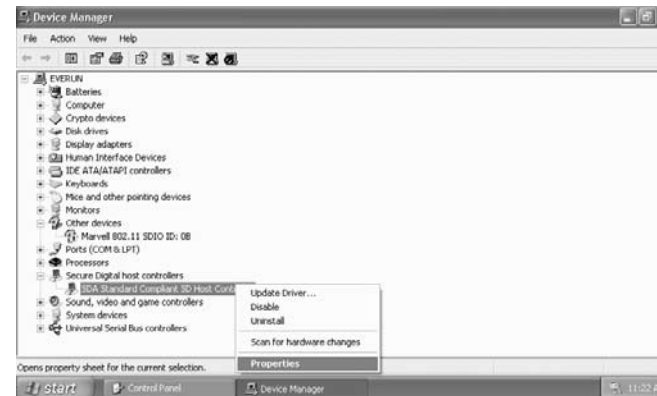
A message window saying "Did not pass Windows compatibility test. Continue?" will appear in about 30 seconds. Click "continue."
 Below shows that the installation is completed successfully. Click "Finish" to exit.



Reinstalling WiFi Driver

- For WiFi to operate, SDHC(Secure Digital Host Controller) has to be operating normally. To install WiFi driver, Secure Digital Host Controller has to be installed beforehand. SDHC is installed automatically in Windows, but Everun requires additional patch shown below.

Go to "Device Manger" and right-click "SD Host controller" to select "Properties".

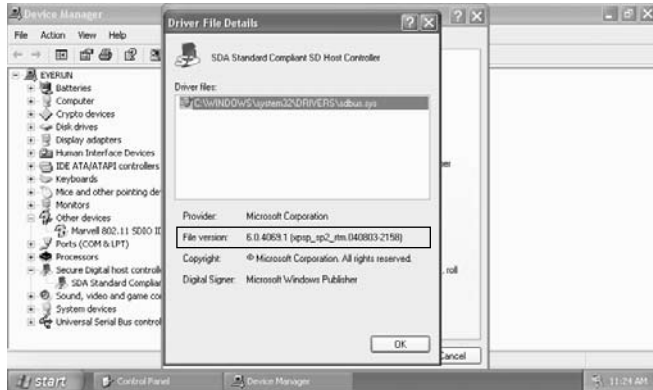


Select "Driver Details" on the driver Tap



If “Driver file details” windows is shown as below, patch is required.

- Driver manager can go back to the previous setting before patching, when “Secure Digital Host Controller” is deleted while using.



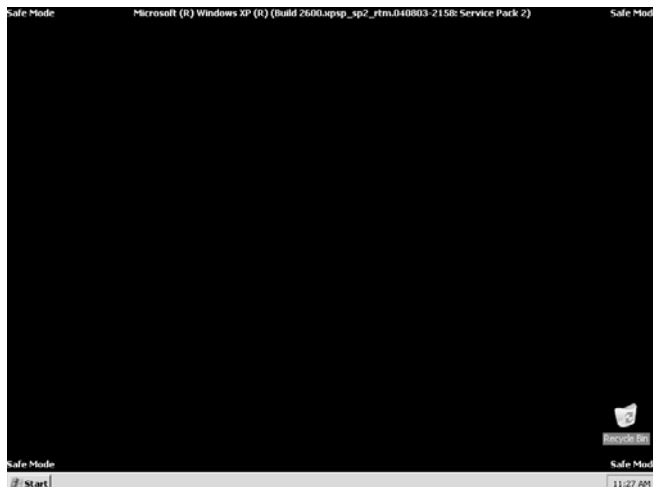
- Patching “Secure Digital Host Controller” should be done in Safe Mode of Windows.**

Select “Restart” on “Turn off computer” windows.

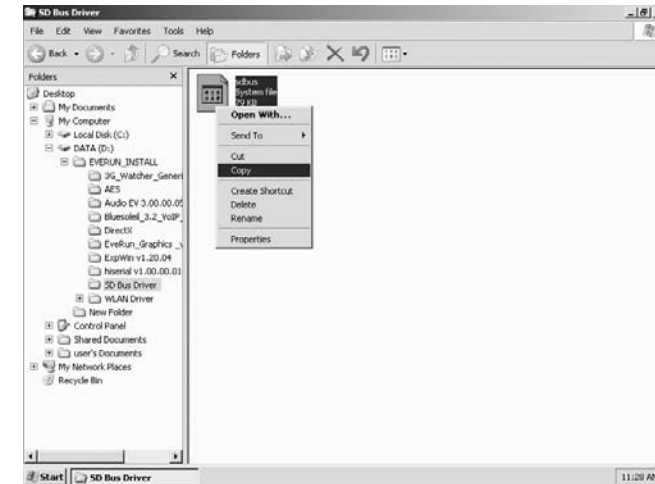
While restarting, press “F8” key repeatedly to activate “Windows Advanced Option Menu”.

Select “Safe mode”.

The below picture is the start image of the Safe mode.

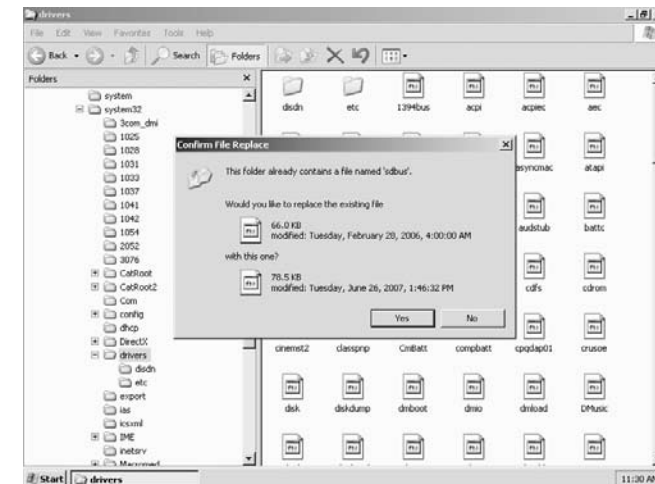


Copy “sdbus system file” in SD Bus Driver among install files.

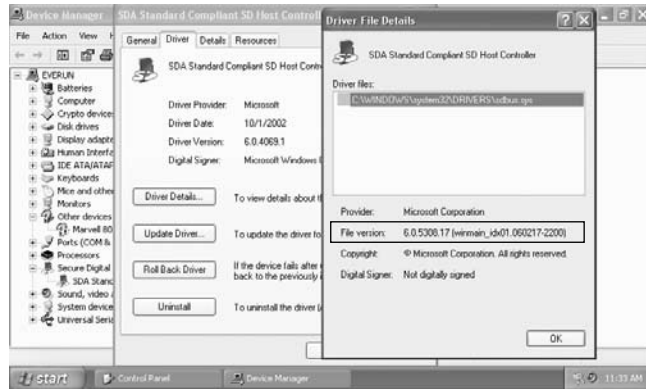


Paste the copied “sdbus system file” to Windows/System32/drivers.

Replace the existing file with the new one.

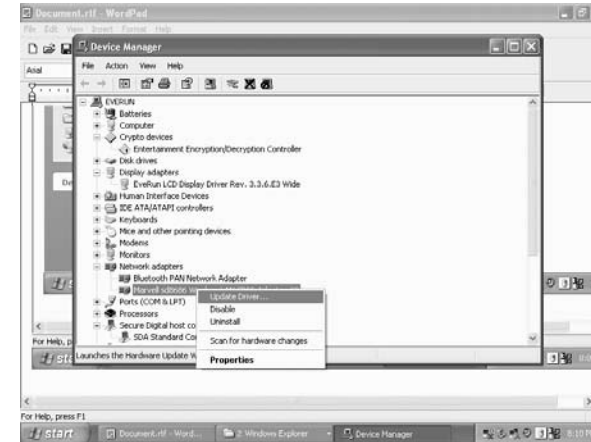


After file copying, restart windows normally.
After restarting, right-click "SD Host controller" to select "Properties".



ⓘ Driver manager can go back to the previous setting before patching, when "Secure Digital Host Controller" is deleted while using.

After patching SDHC,
select Marvell 8686 in Network adapters and Right-click to select "Update Driver".



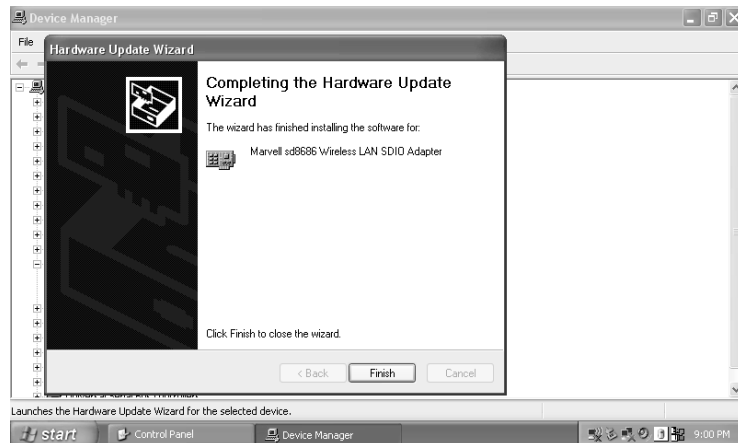
In Hardware update wizard, select "install from a list or specific location" and click "Next".



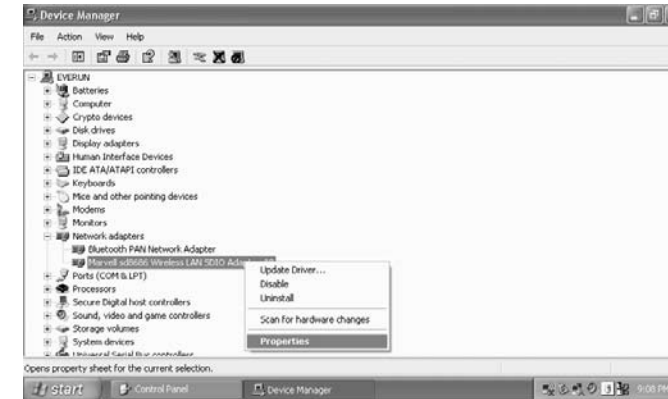
Browse and select the location of the WLAN driver and click “Next”.



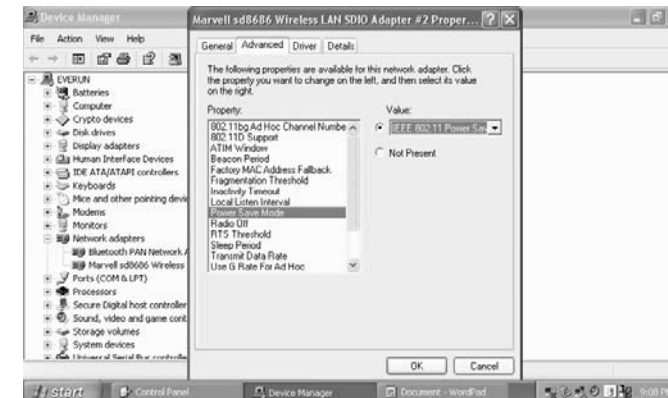
After completing the installation, click “Finish”.



For effective battery power management, change the properties of Marvell sd8686.



In Properties menu, move to “Advanced” and select “Power Save Mode”. Set a value as “IEEE 802.11 Power Save Mode”.

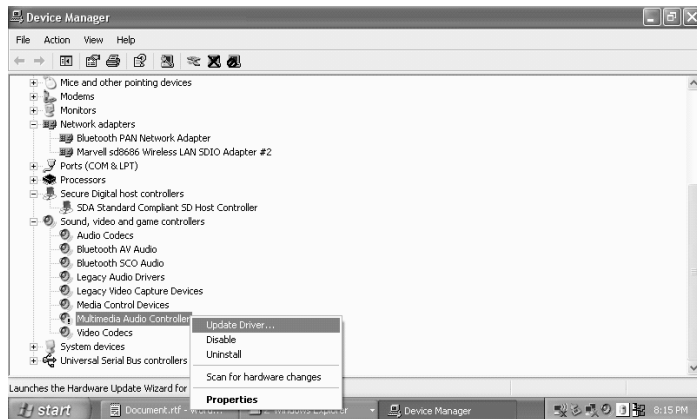


When the built-in WiFi is not being used, The WiFi radio will switch off to save power. If you're not using WiFi for a long time, set “LAN OFF (shortcut key: Fn+F9)” to save even more power.

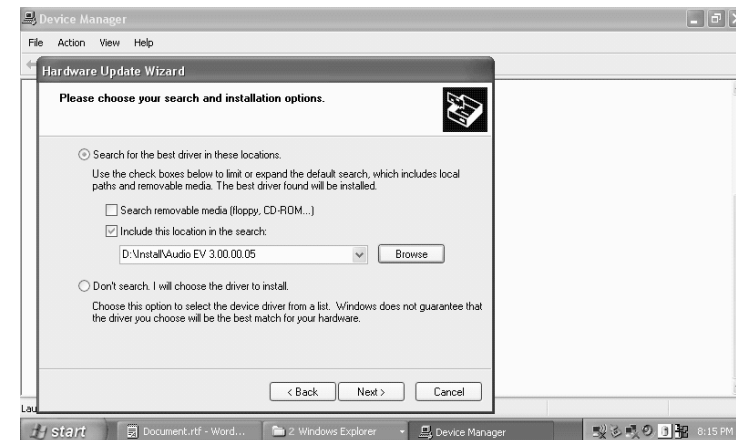
- ❗ When the speed is slow in internet or network connectivity is unstable, set “Disable” for Power save mode. To change setting value between Default Mode(IEEE 802.11 Power Save) and Disable is possible in Expwin program or by short-cut key (Fn+F10).
- ❗ When Processor priority is set to “High” or “Real time” for a program like movie player, WLAN can be disable in Power Save Mode.

Reinstalling Multimedia Audio Controller

Go to Control Panel > System > Hardware > Device Manager, and select the "Multimedia Audio Controller" on the list below the sound, and video, ... and right-click to select "Driver Update".



Click the "Browse" to find the location of the Audio Driver, and click "Next".

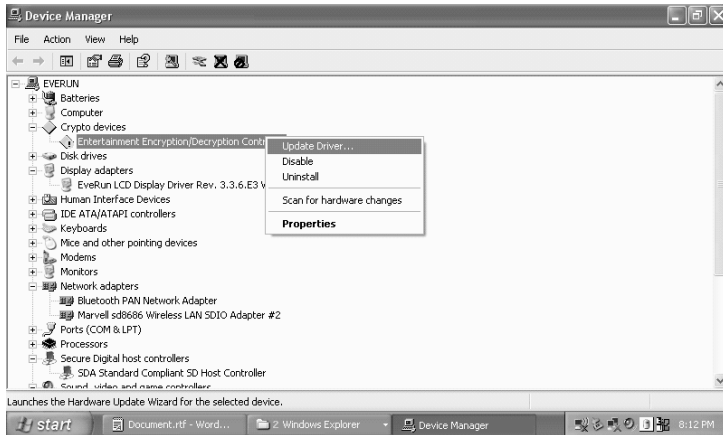


Installation is completed successfully. Click "Finish" to exit



Reinstalling AES(Crypto device)

Go to Control Panel > System > Hardware > Device Manager,
and right-click at the Crypto Device or sub device of AES to select Driver Update.



Click the "Browse" to find the location of the Driver, and click "Next".



Installation is completed successfully. Click "Finish" to exit.

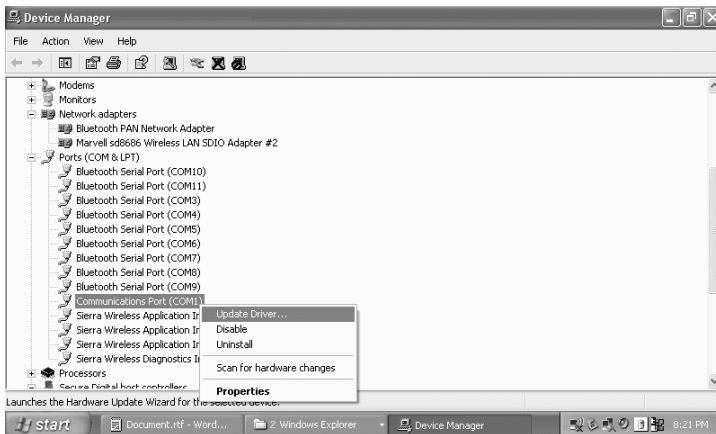


Select "Install from a list or specific location" and click "Next"..



Reinstalling the Serial Device (required for the Bluetooth device)

Go to Control Panel > Device Manager,
and right-click at the Port(COM1) to select the "Driver Update."



Select "Don't Search, I will choose the driver to install." and click "Next".



Select "Install from a list or specific location" and click "Next".



Select "Communication Port" and click "Have Disk."



Click "Browse" to find the location of the driver, and click "OK" to proceed.



Following warning message will appear. Click "Yes" to continue.



If the driver to be installed, the windows is shown as below, click "Next" to proceed.



Installation is completed successfully. Click "Finish" to exit.



Reinstalling the ExpWin Program

ExpWin Installation or Update

To update, right-click the ExpWin icon on the tray(taskbar) on the bottom right side, and click "Exit" at the pop up menu to terminate the program.

If ExpWin is running it can not be reinstalled.

❗ ("An error occurred during the move data process:-132" message appears)



8. Q & A

After the installation, go to Start> All Programs > ExpWin to start ExpWin or restart the device.

Windows System

Q: What is the compatible Windows OS for Everun?

A: Windows XP Home Edition is compatible.

Q: What other software is required other than Windows XP?

A: ExpWin and drivers are required.

Drivers are downloadable from the "Support" menu at the our homepage.

Q: Windows seal sticker has parts torn off.

A: It is normal. The seal sticker attached is the original, specially designed and supplied by Microsoft for the security protection.

Network

Q: Can I use the wired network?

A: Yes. A cable is included in the separately sold docking station, or USB type LAN cards are compatible.

Q: How can I have access to the Internet outside my home?

A: Internet is available by using the separately sold HSDPA or WiMAX device.

Also, you can use the wireless network service of any internet service providers in public areas or institutions where Access Point installed network is provided.

Q: How can I connect the device to the wired/wireless routers such as wireless AP?

A: You need to know the SSID of the target device.

The device may ask security code(PIN) depending on the circumstances.

Q: Network is often disconnected.

A: Wireless network connectivity depends largely on the surrounding conditions. Try using in a different place.

Power Supplying Devices and Battery

Q: Can I use the device while charging the battery?

A: In that case, power is supplied for both the charging and the operation of the device. This might take longer for charging the battery, but does not affect use of the device.

Q: The battery gets hot while charging.

A: Heat is unavoidably generated while the battery is being charged or discharged. However, as a protective circuit is installed inside the battery which cuts off the power supply above certain temperatures, it is safe.

Q: How long is a battery's life span?

A: It may vary depending on the user's circumstances, but the average is 300 charge/discharge cycles.

Q: Can I use a charger of similar specification but made by a different manufacturer?

A: We recommend using the original charger included in the package.

Q: Is it ok to leave the charger connected to the AC socket?

A: It's ok but the charger will drain power from the socket. It's best to disconnect the charger when not in use.

Q: How can I know when battery charging is completed?

A: When charger is connected to the device, battery LED shows either Orange(charging in progress), blue(80% charged), or the light is off(finished charging). The LED color variations are the same with the docking station products separately sold.

Q: How can I set the low battery warning signal?

A: Click the the ExpWin program icon on the taskbar to set the alarm

Q: How long does it take to fully charge the battery?

A: About 3 hours for the standard capacity, and about 5 hours for the large capacity battery.

Q: How long is the warranty period for the battery?

A: The warranty period for the battery extends for 6 months from the initial purchase. However, any malfunctions or failures caused by users are not covered.

Bluetooth

Q: Is Everun compatible with all the devices with Bluetooth installed?

A: Everun is compatible with most of the devices with Bluetooth installed.

Q: How can I connect Everun to a Bluetooth device?

A: Everun will automatically recognize Bluetooth devices in range.

Q: Bluetooth often gets disconnected.

A: Bluetooth is a short range wireless protocol, highly sensitive to obstacles or distance. Please limit the use in close range, or otherwise contact the service provider if the problem recurs.

External Devices

Q: Are all devices using USB compatible with Everun?

A: Devices such as keyboard, mouse and memory sticks are immediately usable by connecting the USB cable. But storage devices such as external hard disk drives and CD-ROMs may require an additional power supply.

Q: Can a USB CD/DVD-ROM be used with Everun?

A: Yes. But it may require an additional power supply depending on the device.

Q: Can I use an external HDD to boot Everun?

A: Yes, but only when the HDD is connectable by USB. Please format the USB storage device and set it as the startup disk.

GPS Receiver and Navigation

Q: Can I use any type of GPS receiver?

A: USB receivers are compatible. But efficiency in receiving the data may vary. Products sold as optional accessories have been carefully tested with Everun.

Q: What kind of map is compatible with Everun?

A: Any map with 800X480 pixels, and PC version is applicable.

Q: How can I connect the GPS receiver to Everun?

A: Go to Control Panel > System > Hardware > Device Manager and set the port as the same with the receiver. Also set the speed at 9600. Please refer to the User Guide for the details.

Q: I have problems with my receiver.

A: It might happen if the device has not been used for a long time. If it does not work for more than 30 minutes, try it in a different place. You might check with the authorized service facility if the problem recurs.

LCD and Display Screen Adjustments

Q: What is Everun's default resolution?

A: The default value for the resolution is set at 800X480. You can easily change the resolution in the ExpWin program.

Q: How can I adjust LCD brightness?

A: The brightness is adjusted automatically depending on ambient light. It may take more than 10 seconds for the device to adjust. To manually adjust, use the volume control button with Fn key. Or, disable the "automatic adjustment" in the ExpWin program and adjust it manually.

Q: How can I capture a page?

A: Press P button on the keyboard with the Fn key (PrtSc) to capture a page.

Q: Cursor quivers when the Stylus pen is touching the screen

A: It normally happens because the pressure on the touch screen is transferred to the surrounding pixels.

Q: Mouse point appears on the different spot from the touched point on the screen.

A: Please try calibration in the ExpWin program.

Q: Is the screen viewable outdoors?

A: Yes. Adjust the display settings to full brightness manually or automatically.

Q: The touch screen got a scratch. Should I change the entire LCD?

A: Yes, you need to change the entire LCD, it's one unit.

Q: How can I adjust the resolution?

A: The screen button on top of the unit toggles between the selected values set in ExpWin.

Keyboard and backlight Adjustment

Q: How can I change the settings for the keyboard lamp(backlit)?

A: There is Key Brightness Setting in ExpWin, where the duration and the surrounding brightness level at which the lamp will turn on can be set.

Q: Does Everun acknowledge multiple simultaneous key inputs?

A: Everun acknowledges 4 simultaneous key inputs, and the arrow key(game pad) accepts diagonal inputs.

Technical Specifications

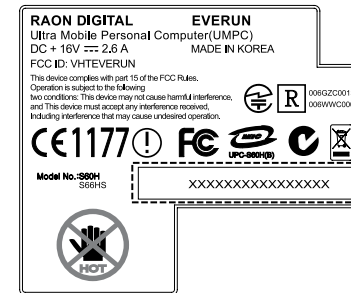
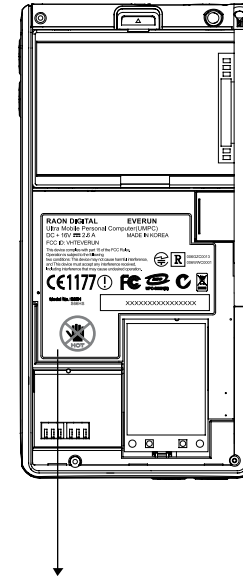
Items	Specifications
CPU	AMD Geode LX900(568MHz) or LX800(500MHz)
RAM (VGA shared)	512M or 256M DDR400
Data Storage Disk Drive	Combination of 6G SSD UDMA66 and/or 30G/60G HDD UDMA100
LCD	4.8 inch touch screen,resolution 800X480,16.7M Color Automatic brightness adjustment/Screen orientation
Wireless Network	802.11b/g
Bluetooth	2.0
Input device	Touch Screen Optical Mouse Qwerty Keypad Game Pad
External Connectivity	USB A, USB mini-B, VGA
Audio	0.7W built in stereo speaker, 3.5mm earphones Bulit in microphone, 3.5mm external microphone
Battery Capacity	Standard capacity : 11.1 V 2300mAh Li-Ion Large Capacity : 11.1 V 4000mAh Li-Ion
Charger Voltage	AC100~240V 50/60Hz
Power	Max.35W
Dimensions	170 x 83 x 25mm (W x H x D)
Weight	460~500g

* with one year guarantee

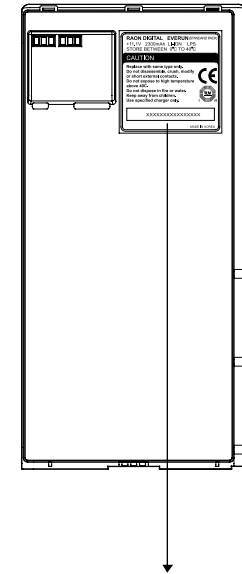
RF Specifications

	Specifications	
	802.11g(b)	Bluetooth
Transmit frequency	2412~2472MHz	2402~2480MHz
Receive frequency	2412~2472MHz	2402~2480MHz
Transmit power output	≤10mW	0.03mW
Type of emission	G1D, D2D	F1D
Communication mode	Semi-duplex operation	Semi-duplex operation
Number of channel	13 channels	79 channels
Modulation	16QAM,64QAM,CCK,DQPSK,DBPSK	GFSK

Serial Number



Serial Number(main body)



Serial Number(battery)

True 2nd Generation UMPC

EVERUS

User's Manual

