

Ultra Portable PC **Vega**
User's Manual

Vega

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Safety Cautions

It is very important that you follow the safety instruction of the manual in order to prevent any possible malfunctions. We recommend keeping the user's manual at a place where it can be easily found.

- Do not place anything on top of the product.
- Do not use the product while driving.
- Avoid contacting it with heating devices.
- Do not drop or inflict impact on the product.
- Do not disassemble, repair or modify the product.
- Use a soft cloth when cleaning the product.
- Be caution of the foreign substances.
- Do not use in the areas with damp, dust and black dirt.
- Do not place the product near a magnet or in the magnetic field.
- Be caution for malfunction when using the product in the excessive static generating areas.
- Do not disconnect the USB cable or power outage while reading or writing a file. Doing so would cause a problem and is likely to damage the data.
- Always backup important files.
(The company does not have any responsibility for a problem that occurs due to the user's malpractice.)
- Use only the AC adapter supplied with the product for electric safety.
- Disconnect all connected cables like AC adapter when thunder and lightening occur. There is high possibility of an electric shock or a fire.
- Avoid keeping the unit in closed spaces, for example, in a bag or a pouch.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.

- There could be a bad sector due to a physical impact on the HDD.
- Do not use the headphone/earphone in high volume while on foot, especially when crossing a crosswalk.
- Stop using or reduce the level of sound when you feel ringing in your ears.
- Be caution not to let the headphone/earphone caught between the doors of trains and cars.
- Many hours of music listening in high volume could damage hearing ability.
- Do not use the headphone/earphone when operating a bicycle, car or a motorcycle.

Things to be caution for data loss (HDD Maintenance)

Be caution not to damage the data in the HDD.

- HDD is a sensitive product. An impact while in use or external environment could cause malfunction of the product.
- If the HDD is damaged due to external environment or by user's carelessness, the computer manufacturer holds no responsibility whatsoever.

What could cause the HDD and data damage

- When an external impact is inflicted while disassembling the computer or in installation.
- When reset (re-boot) the computer due to a power breakdown or power goes off while operating HDD.
- When the power goes off while running a program.
- When transporting the main body or inflict an impact while HDD is running.
- When copying or deleting a file using a USB device while in standby or maximum power saving mode.

Customer Information Card	
Product Name :	Model :
The serial number of the product :	
Date purchased :	
Customer' s name :	
E-mail :	@
Other :	

Please fill out the Customer Information Card immediately after purchasing the product.
You may use it when requesting service.

Copyright

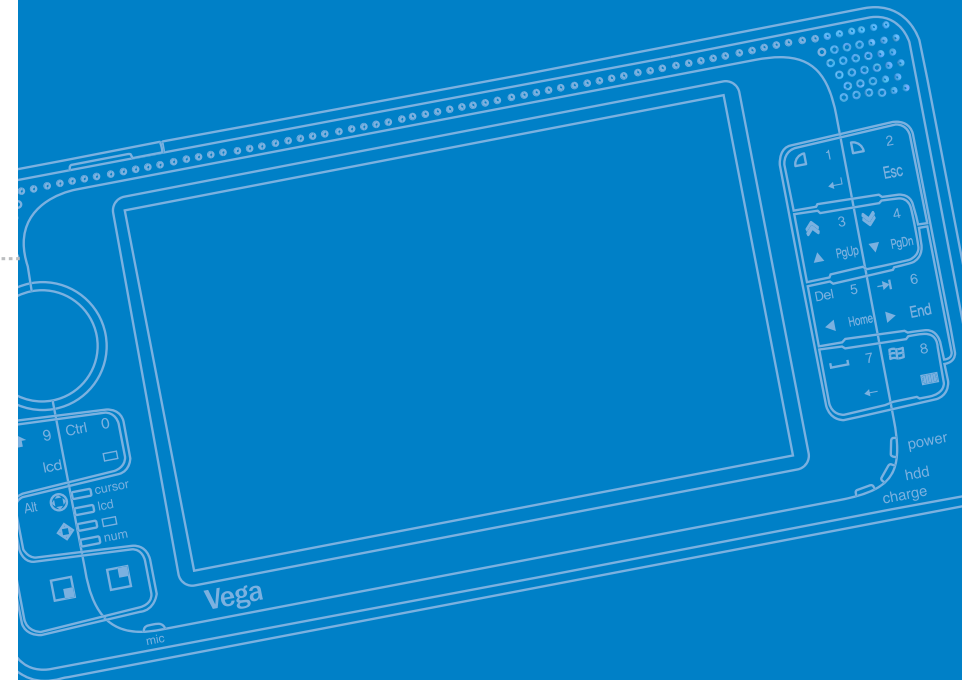
The copyright of this manual is with Raon Digital. Using or copying the manual, partly or entirely without permission of Raon Digital is prohibited.
The details of this manual may be changed without prior notice to upgrade the functions of the product, Raon Digital does not warranty any data loss. It is wholly within the user' s discretion to be caution about important data and always back up for safety.

Things to be caution when changing OS

The default OS installed in the computer is Microsoft Windows® XP.
Deleting Microsoft Windows® XP and installing other OS means no change, no refund and no free service when a problem occurs.

Components of Vega

- Components of Vega
- Names of each Vega part
- Vega specifications



Components

The following items, accessory and the user's manual come together as a Vega package. All other additional components can be purchased in the Raon Digital's on-line shopping mall (www.vega-mall.com).

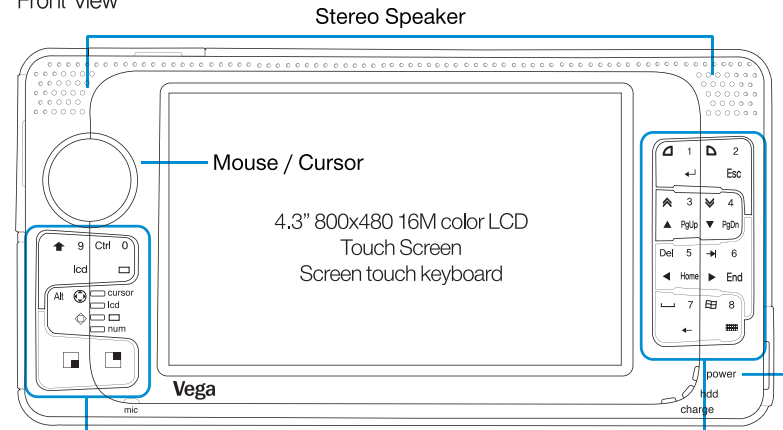
Standard package



Names of each part

The world smallest Ultra Portable PC has employed 4,3 inch LCD and it maximized mobility thanks to the long battery lifetime that lasts close to 6 hours. You can experience all kinds of movie clips and various kinds of games in the working environment same as computers with window XP operating system. You can also enjoy all kinds of word processing and the unrestricted wireless Internet when connecting it to external WiFi.

Front view



13 Keys + Control

- Cursor & Cursor Control
- Enter, Esc, Tab, Delete, Back Space
- Scroll, Space, Windows
- Function F1~F10
- Number 0~9 - Shift, Ctl, Alt

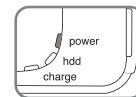
When installed a standard battery (Basic spec.)

160 x 80 x 27,5 mm 480g

When installed a compact battery (Option)

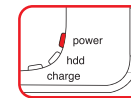
160 x 80 x 24 mm 350g

Condition of the device according to the power LED colors



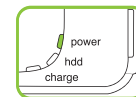
off

If a task is terminated using power off or maximum power saving mode and when a task is terminated in standby mode for the first time.



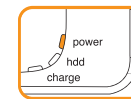
red

If power has been turned off in the standby mode and if the power has been turned off forcefully after changing the battery for the first time.



green

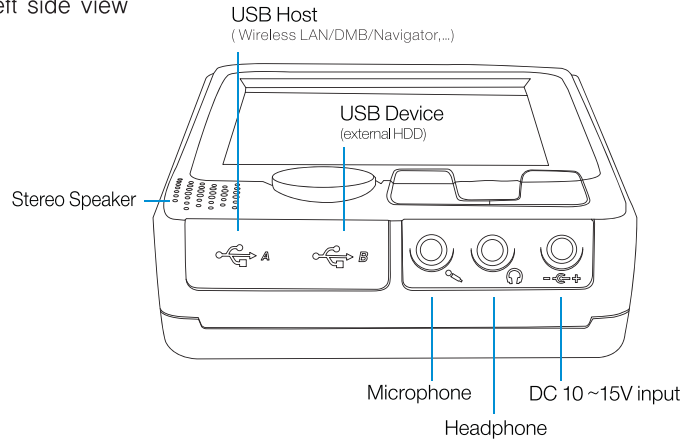
If started in the power off mode



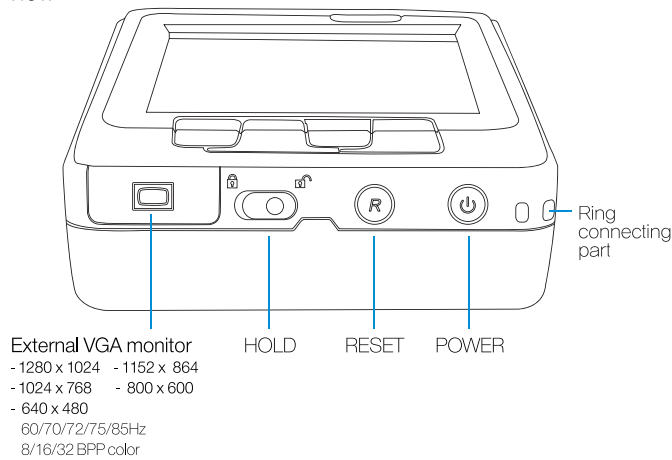
Orange

If started in the standby mode

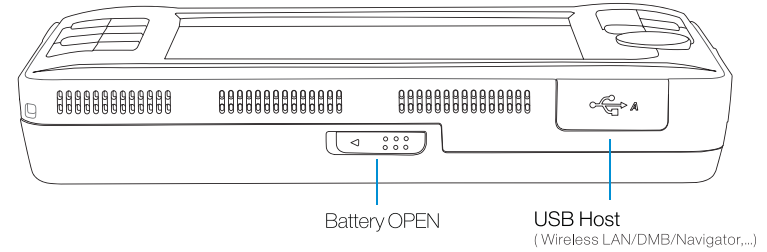
Left side view



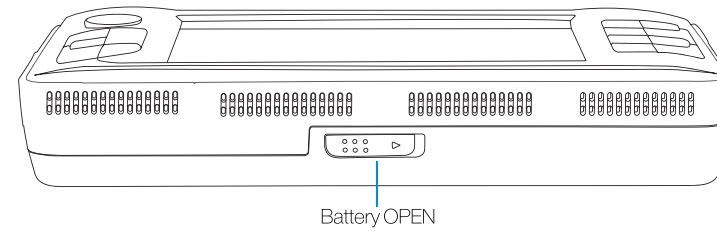
Right side view



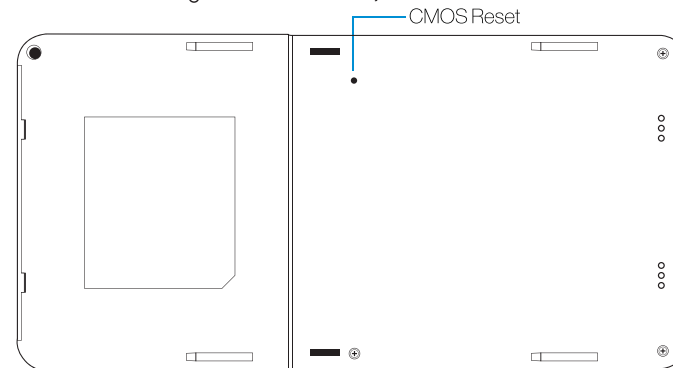
Upper view



Bottom view

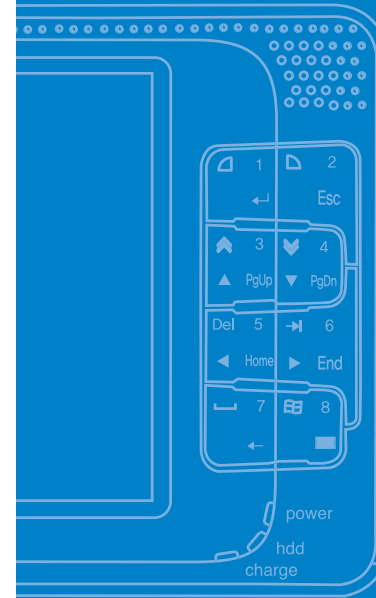


The back of Vega (Detach the battery)



Vega System Specification

Item	Specification	Remarks
OS	Microsoft Windows® XP Home	
CPU	AMD Geode LX800	
Cache memory	L1 64KB-I / 64KB-D L2 128KB	
Main memory	DDR400 / PC3200 256MB/512MB	
Main chipset	AMD CS5536	
HDD	Toshiba 1,8" 30GB/40GB 4200rpm	
Graphic controller	High performance 2D graphics controller Microsoft Windows® GDI GUI acceleration Hardware screen rotation	
Video processor	Video Scaling / Mixing / VOP	
Display controller	1920 x 1440 x 32bpp 85Hz	External monitor output
LCD	4.3" (93,6 x 56,16 mm) WVGA 800x480 resolution 16M color @ 60Hz Touch screen	HxV
Contrast ratio/Luminance	400:1 / 200cd/m2	
Viewing angle	80° / 80°	
Extension port	USB 2,0 Host x 2 USB 2,0 Device x 1 External VGA port	
Sound	Realtek ALC203 EAX/DirectSound3D/A3D/I3DL2 compatible	
Speaker	0,7W+0,7W stereo speaker	
Headphone	50mW / 16 Ohm	
Microphone	1 Internal / External Jack	
Battery	Li-ion Battery 11,1V 3300mAH Standard Battery 11,1V 1100mAH Compact Battery	Supplied Sold separately
Battery life	Approx. 5,5Hrs (Standard Pack) Approx. 1,8Hrs (Compact Pack) (when playing VGA movie at full brightness and 50% volume level of internal speaker)	
Charge time	3Hrs (80% Charge)	
Temperature	Operating temperature: 10 to 35°C (20 to 80% Humidity) Storage temperature: -5 to 40°C (5 to 90% Humidity)	
Power requirement	AC100-240V 50/60 Hz 35W	
DC input	DC 10-15V 3A	
Dimensions & Weight	160x80x27,5mm (Standard Pack), 480g 160x80x24mm (Compact Pack), 350g	WxHxD



Keys

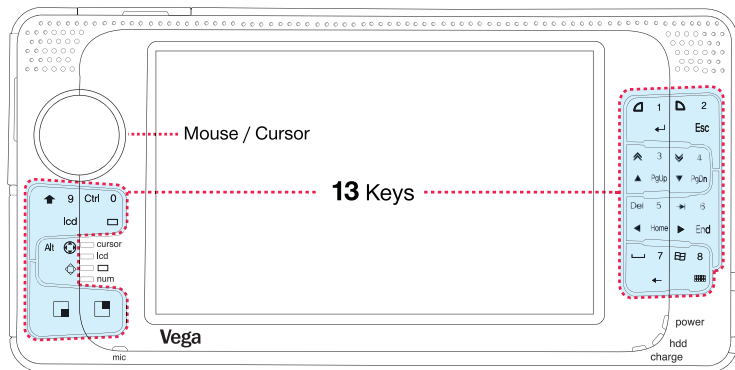
- How to use the front view keys
- How to use the shortcut keys
- How to use the Virtual Keyboard
- How to use the Touch Panel

Keys

Vega has the front view keys and the Virtual Keyboard that displays in the screen. These are similar functions to the keyboards and mouse of the general PCs and the Virtual Keyboard is operated in the touch screen using the touch pen.

How to use the front view keys

There are 13 key buttons on the right and left side of Vega, and each key has several functions according to how they are combined. The users can use the product more freely and conveniently once they get used to the key buttons.



The 4 basic key input methods

Each key can be input in the following 4 types of methods according to general input, combination of keys and ON/OFF of LED.

▶Combination principal of the keys : example

		+		=		=	Input as Mouse wheel up
		+		=		=	Input as 3 if Num LED is On input number 3
		+		=		=	Input as F3 if Num LED is Off input Function Key F3
		+		=		=	Input as Page up
Combination key						=	Input as Cursor Up

LED ON

Input method No. 1

3 Press one Key then the print() in the upper left will be input.
 PgUp Input value **Mouse Wheel up**
 LED OFF

Input method No. 2

Press + 3 at the same time then the print () in the upper bottom left will be input.
 PgUp Input value **Page Up**

Input method No. 3

3 Input using the Cursor Key when the Cursor Key's LED light is on.
 PgUp Input value **Cursor Up**
 LED ON

The LED of Cursor Key will be On/Off when pressing key while pressing key.

























































Input method No. 4




	+		=			If "Num" LED is in OFF mode, use the Function Key to input. Input value F3
	+		=			If "Num" LED is in ON mode, use Number Key to input. Input value 3

The combination of + keys is inputted using F10.
 The Num LED will be ON/OFF when pressing the while pressing the key.

The value for other keys will be determined in the same inputting pattern. Please refer to the diagram in the next page!

The key input diagram Now, try to input the following values!




Input method No.1		Input method No.2		Input method No.3		Input method No.4  num(LED ON)  num(LED OFF)	
Key	Key input value	Key	Key input value	Key	Key input value	Key	Key input value
 1	Mouse left button	 +  1	enter			 +  1	F1
 2 Esc	Mouse right button	 +  2 Esc	escape			 +  2 Esc	F2
 3 ▲ PgUp	Mouse Wheel up	 +  3 ▲ PgUp	Page Up	 3 ▲ PgUp	Cursor Up	 +  3 ▲ PgUp	F3
 4 ▼ PgDn	Mouse Wheel down	 +  4 ▼ PgDn	Page Down	 4 ▼ PgDn	Cursor Down	 +  4 ▼ PgDn	F4
 5 ← Home	delete	 +  5 ← Home	Home	 5 ← Home	Cursor Left	 +  5 ← Home	F5
 6 ▶ End	tap	 +  6 ▶ End	End	 6 ▶ End	Cursor Right	 +  6 ▶ End	F6
 7 ←	space	 +  7 ←	back space		LED ON	 +  7 ←	F7
 8 ⊠	window	 +  8 ⊠	key board Call/Return			 +  8 ⊠	F8
 9 lcd	Left shift		Retrieve the Virtual Keyboard and press it again to release.			 +  9 lcd	F9
 0 Ctrl	Left control					 +  0 Ctrl	F10
 Left alt						  +  1	F11




 The Num LED will be ON/OFF when pressing the  key while pressing the  key.



How to Use the Shortcut Keys

This section introduces the shortcut keys that would use for changing or controlling the device using other combination beside the standard front keys.





Shortcut keys


 +  +  To open the Task Manager, press
Alt + Ctrl + Del




 +  +  To end the program, press
Alt + F4


 +  To switch between programs, press
Alt + Tab

Unit control keys

 +  Turning the LCD backlight on or off
Pressing the  key while holding down the  key turns on or off the LCD indicator. When it's lit, the backlight of the LCD can be turned off by this operation.




 You can use this function to save the battery consumption when listening to music only.

 +  Changing the LCD resolution
Each time you press the  key while holding down the  key, the LCD switches between the resolution and color quality settings preset in VegaPM.

 +  Changing the mouse button to a cursor key
Each time you press the  key while holding down the  key, the CUR indicator turns on or off. When the indicator is lit, the mouse button is used as a cursor key.

 +  +  Rotating the LCD screen




Rotating the LCD screen

Each time you press the  key while simultaneously holding down the  and  keys, the screen rotates in the order of 90, 180, 270, and 0 degrees.

The LCD indicator is lit while the screen is rotated 90, 180, 270 degrees.




 +  +  Output to an external monitor

Output to an external monitor

Each time you press the  key while simultaneously holding down the  and  keys, the video output switches between the LCD and an external monitor.


 +  +  Muting

Muting

Each time you press the  key while simultaneously holding down the  and  keys, the sound is toggled between mute and output.

 +  Starting or exiting the virtual keyboard




Starting or exiting the virtual keyboard




Each time you press the  key while holding down the  keys, the virtual keyboard you set/registered starts or ends.

Others




 +  +  Pasting (Ctrl + V)

Pasting (Ctrl + V)

Pressing the  key while simultaneously holding down the  and  keys pastes your selection (Ctrl + V).



 +  +  OK



OK

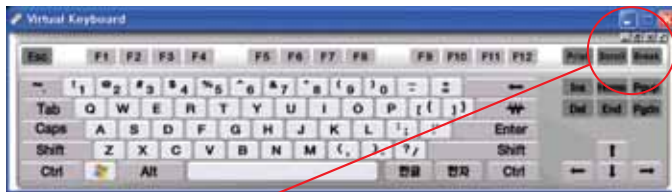
Pressing the  key while simultaneously holding down the  and  keys functions as an OK input.

How to use the Virtual Keyboard

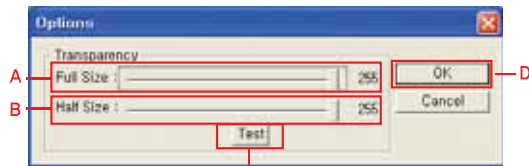
Call the Virtual Keyboard

Press the  key while pressing the  key.
Place the cursor at the location you want using Touch or Mouse and input the words into the virtual Keyboard.

The Virtual Keyboard will disappear when the  key is pressed again while pressing the  key.



1. Pressing this button will move location to up and down.
2. This button displays the full screen.
3. This button terminates the Virtual Keyboard.
4. This option button adjusts transparency.



- A. You can adjust the transparency setting value of the full screen.
- B. You can adjust the transparency setting value of the standard screen.
- C. You can test and check selected transparency prior to applying the setting value.
- D. Selecting 'OK' will apply the set transparency.



 The least setting value will set clear transparency.

Utilizing the Virtual Keyboard

1. Run a program to process character input, (Example: Word Pad)



2. Run the Virtual Keyboard using the front view key.



3. Change the Virtual Keyboard to full window mode.



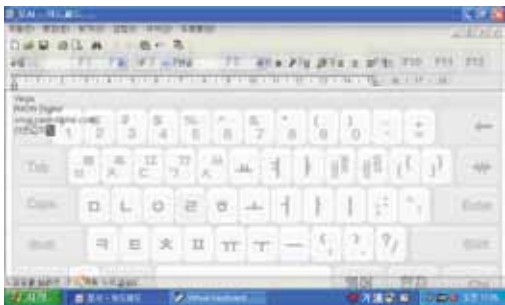
- Adjust transparency from Options and select 'OK' .
(If execute the Virtual Keyboard after this, the selected information will be saved and execute in full mode.)



- Activate the program that is subjected to input character by pressing the 'Tab' key while pressing the 'Alt' key.



- Use the Virtual Keyboard and process word processing.



How to use the Touch Panel

If using the Touch Pen without pressing Key.



The location of the cursor movement in the screen and the tip of the pen are identical and it operates as if the mouse is moving while pressing the **left button** of the mouse.

If using the Touch Pen while pressing the key.



The location of the cursor movement in the screen and the tip of the pen are identical and it operates as if the mouse is moving while pressing the **right button** of the mouse.

If using the Touch Pen while pressing the key.

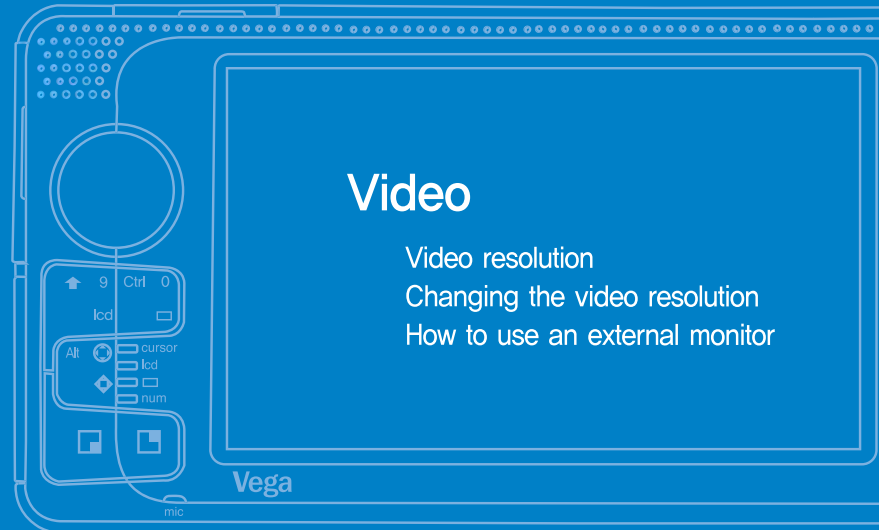


Move the cursor as much as the moved distance of the pen from the cursor's first location, Only the cursor is moving as if none of the buttons of the left/right mouse buttons are pressed, It displays same effect like moving mouse in the Touch Pad.

Video

Please set the Video resolution according to the operating environment.

Video Resolution



640 x 480

Displays in the 800X480 expanded horizontal screen



800 x 480

The product' s default resolution



800 x 600

Displays in the 800X600 contracted vertical screen

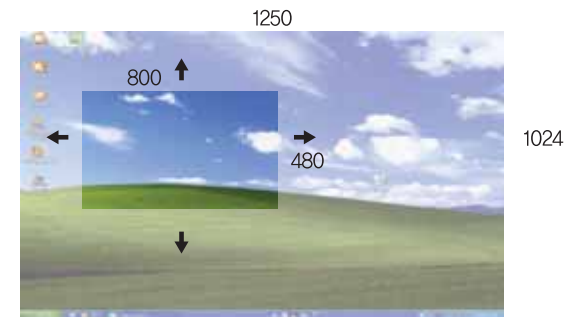


1024 x 768

Displays in the 800X480 contracted horizontal/vertical screen



Expansion or contraction is not doable in the resolution that exceeds 1024X768 but will cut and display in the 800X480 screen.



Changing the video resolution

Video Resolution

1. Use  +  keys to change LCD resolution.

As the buttons are pressed, it will converse into 640x480, 800x480, 800x600 and 1024x768 resolution.

2. Setting the standard resolution

Background screen → Set → Advanced → 'Geode LX setting Tap'

Select 'Simultaneous' and 'Display scaling'

640x480 (VGA) → 800x480 Expand horizontally

800x600 (SVGA) → 800x480 Contract vertically

1024x768 (XGA) → 800x480 Contract horizontally/vertically

~ pan

Select 'Simultaneous' and 'no Scaler'

640x480 (VGA) → 800x480 Center

800x600 (SVGA) → 800x480 Vertically pan

~ pan

Select CRT

LCD off

3. Reinstate LCD support resolution


Background screen → Set → Advanced → Adapter →

Display the entire mode → Select 800x480 32 bpp

Background screen → Set → Advanced → 'Geode LX setting Tap' →

Select 'Simultaneous' and 'Scaling'.

Changing LCD Backlight brightness

While pressing the  press the left mouse to upward for brightness and downward for darkness.

How to use an external monitor

Cautions: To use an external monitor, make sure to connect an external monitor before changing the display setting. The main LCD screen will not display if setting an external monitor.

1. Click right button of the mouse from the background window and select 'PROPERTY' menu.



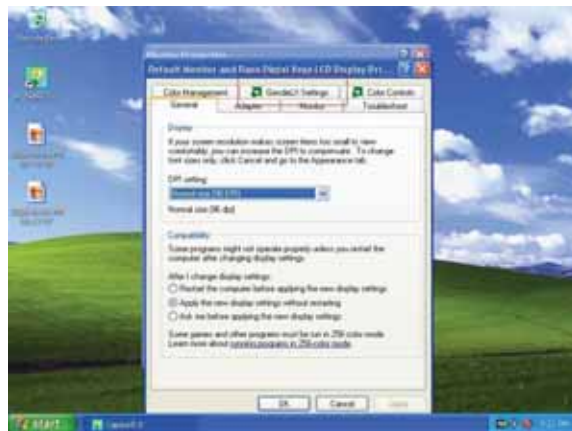
2. Select 'Setup' from the Display Register Information screen.



3. Setup the screen resolution to more than 800x600. If the screen resolution is under 800x600 (640x480 or 800x480), there could be difficulty in changing setting because some part of the advanced setting screen will not be displayed.



4. Select the 'Advanced' button and select 'GeodeLX Settings' in the advanced setting changing screen.



5. Select 'CRT' from Output Select and select the 'OK' button.



6. After selecting the 'Confirm' button, select the 'Yes' button from AMD Confirm Settings. The main LCD screen will not be displayed from this point.



- Adjust the resolution of the external monitor and select the 'Confirm' button. Select the 'OK' button from the monitor setting.



Functions

Utilization Tips

Restoring BIOS Parameter

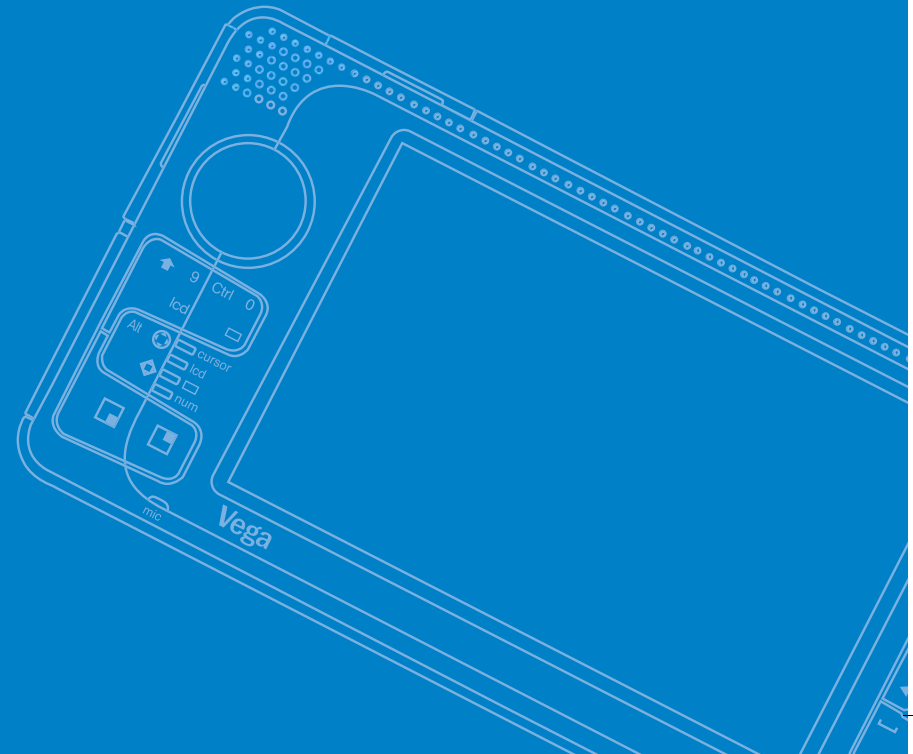
Charging the battery

Controlling the Master Volume

Using Vega as a USB storage device

Changing the LCD brightness

Device power forced OFF



Utilization Tip




When a problem occurs, take the following steps.

Tip When a movie clip viewing is unstable.

Run the subjected player, select the subjected player from the Task Manager Process, go to Process Priority by right clicking the mouse and change it to Realtime.

Tip When the program menu is cut vertically and doesn't show.

Most programs required standard 800x480 LCD resolution, which is a proper setting to view a program screen however, some programs require high vertical resolution in the installing screen. Change the video resolution from 800x480 to 800x600 or 1024x768 when running this kind of program.

 Use  +  0 **keys to change the LCD resolution.**
As the buttons are pressed, it will converse into 640x480, 800x480, 800x600 and 1024x768 resolution.



Tip When system error occurs while changing the game screen.

Most games automatically change the resolution to their default screen resolution upon starting a program (Or the resolution returns to the original screen when the game is terminated) and the problem is likely to occur at this time. In this case, changing the standard LCD resolution according to the resolution that requires for the particular game could prevent the error because there will be no resolution converting transition.

Restoring BIOS Parameter

The Parameter for BIOS is maintained by means of a separate Backup power. If the Parameter is not being used for long time however, or if the BIOS Parameter is setup inappropriately, there could be a system malfunctioning.

Take the following steps to restore.


1. Discharge of the CMOS Battery – Release the battery and using a pen, press the CMOS Reset Hole in the back for 10 seconds,
2. When the product is turned ON, the screen will read 'CMOS Check Sum Error' and will be halted.
3. Press the 'Del' Key to get into the BIOS Setup screen.
From the Setup screen, press the   keys to use the direction key and change the Mouse Mode to the Cursor Mode,
4. Execute the Load Optimized Default,
5. Execute booting after Save & Exit Setup.

Charging the Battery

The battery is being charged while in use and the charging process can be confirmed with the Blue LED at the bottom right. The LED light is ON in charging process and will go OFF when the process is finished. It will take about 4 hours to be fully charged once the battery is completely discharged. The charging LED light goes OFF after completing the charging process and the LED light will be ON again if the AC Adapter is connected for additional charging. In general, the battery will be only charged up to 80% during the initial charging process. When the AC Adapter is reconnected, it will try to recharge if the battery is not fully charged by checking the charging voltage.

 It will take about 4 hours to be fully recharged once the battery is completely discharged.

Controlling the Master Volume

Pressing the left mouse to the right while pressing the  button will increase the volume and decrease when pressing the mouse to the left.

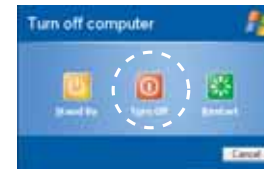
Using a USB storage device

You can use the unit as an external USB-HDD device by connecting the USB-B terminal (lower terminal from the USB terminal located on the upper left side of the unit) to the USB terminal of a PC. If the unit is not recognized by the PC after connection, try other terminals to connect the unit.


Caution

1. The unit may not be recognized in a USB connection if the unit has not been properly installed in Windows (you must install the unit from the CD-ROM).
2. The unit cannot be recognized by a USB connection if the unit is powered on.
3. If you copy files from a PC to the unit and then enter standby mode, the copied files do not appear when the PC is started in standby mode. However, deleted files still appear in the same case. This is because Windows does not check changes in the file system when the system is started in standby mode in order to save time when starting the system. In this case, shut down and restart the PC to reflect the changes in the file system.
4. In hibernation mode, do not copy files to the unit or delete files in the unit as this may damage data or system files.

 To use the unit as an external USB device, be sure to shut down Windows. Do not enter the system in hibernation mode.
Hibernation mode (X)



Changing the LCD brightness

Pressing the left mouse to upward while pressing the  button will increase the brightness and decrease when pressing the mouse to downward.

Device power forced OFF

The power will be off forcefully when pressing the power button for 4 seconds.

System maintenance

Reinstalling Windows

Installing Display Adapter

Installing and Using Vega Utility



Reinstalling Windows

Your computer must be connected to the network in order to go through Certificate of authenticity using the Internet.
For the authenticity process, please refer to the user's manual that comes with the Windows® XP CD.



The order of Windows reinstallation

1. Windows & Service Pack

2. Open control panel → system → hardware → device manager

- ① AES VegaDriver/AES
- ② Display adaptor VegaDriver/VegaVideo
- ③ Sound VegaDriver/Audio

3. The version more than Direct X9.0

How to check run "dxdiag"

Installing Display Adapter

1.Delete the previously installed Driver (Disregard this process if installing for the first time)

Control panel → system → hardware → device manager → display adaptor
Delete the "Raon Digital Vega LCD Display Driver".
Restart the Windows.

2.Installing the Vega Driver

A new hardware, 'Video Controller' will be detected after booting.

Cancel 'Starting new hardware search wizard'.

Control panel → system → hardware → device manager → display adaptor

Select 'Video Controller (VGA compatible)' and execute 'Driver update'.

Hardware search wizard

Select 'Installation' from the list or other specific location and select 'Next'.

Select D:\RaonDriver\RaonVideo by selecting 'Search'.

select 'Confirm' and select 'Next'.

Select 'Continue' from the compatibility test result screen,
...after a few seconds later, the hardware update wizard will be completed ... 'Finish'.

3.Setting up the initial resolution

Select 'Property' from the background screen by clicking the 'mouse's right button'.

Go to 'V for advance' from the 'Setting' tab.

Select the 'GeodeLX Settings'.

Select Output Select as 'Simultaneous' and 'Enable display Scaling'.

Select Display Compression as 'Auto' and select 'Confirm'.

4.Change the screen resolution to

800x480 using the



front view keys.

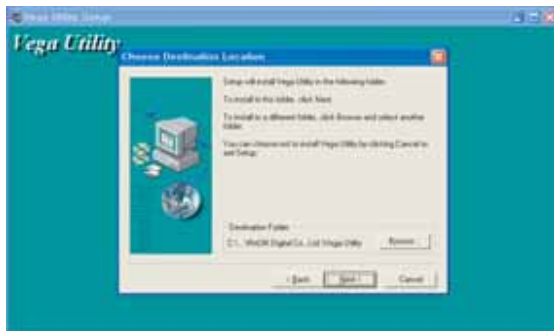
Installing and updating the Vega utility

<Caution>

Do not remove the pre-installed Vega utility before update. If you do so, the remaining battery status and other settings are reset to the default. If you have to remove the pre-installed utility, save your existing VegaPM.dat file in the Vega utility installation directory (C:\Program Files\RAON Digital Co., Ltd\WVega Utility) in a separate folder, and copy it to the same directory after re-installation. Right-click the battery icon located in the lower right on the screen and select Exit from the displayed popup menu to end the current VegaPM. If you install the unit without ending VegaPM, installation does not finish successfully and returns an error message ("An error occurred during the move data process:-132")



Execute "setup.exe" to install the Vega utility.
Select the "Next" button,



40

Select the "Next" button,



After installation, Select "Start → All Programs → Vega Utility → Vega PM" or reboot the system.

41


Vega Utility program description

Vega Utility contains a virtual keyboard and many buttons that indicate remaining battery, audio volume and other statuses,

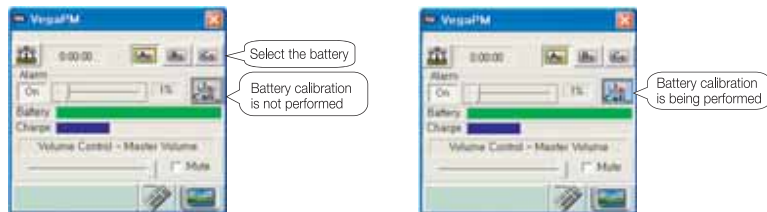



1. Indicates the time passed from booting Windows until ending the system.
2. Sets an alarm for remaining battery level.
3. Indicates the remaining battery status.
4. Indicates the charge status. When the battery is fully charged or external power cord is not connected, "0" is displayed.
5. Indicates audio volume and mute status. Also used to control volume and mute/output sound.
6. Used to register and select a virtual keyboard.
7. Used to set the resolution.
8. Used to select the battery.
9. Starts the battery calibration.

Battery Calibration

During charging, the segments of the Battery bar (%) increases, but those of the Charge bar decrease. When you select a battery, the remaining battery status is not displayed properly if a "?" mark is shown as in the .


1. Click the battery icon located in the lower right on the screen.

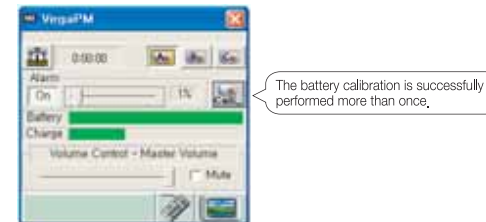


2. Click the  button to start the battery calibration.
Actual calibration is performed in segments where the Charge bar is displayed in green.

3. When the battery calibration is successfully finished, the following message appears.



4. If the calibration is successfully performed more than once, the  button changes to the .








If the battery is fully charged, remove the DC jack to discharge the battery, then fully charge the battery with the DC jack reconnected. Actual calibration is performed in segments where the Charge bar is displayed in green.

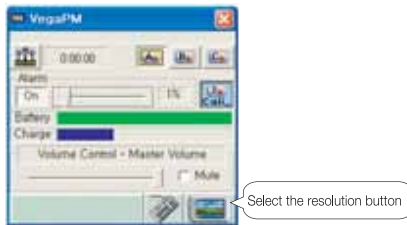
For easy calibration, shut down Windows and then fully charge the battery. Reboot Windows, discharge the battery, reconnect the DC jack, and perform the procedure above.


If your batteries vary in levels, The calibration method described above can be performed for up to 3 batteries.

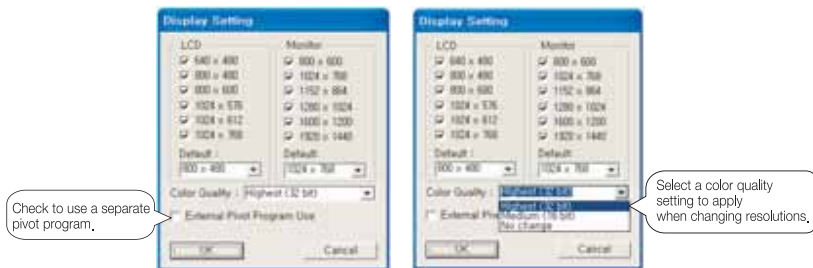
Selecting the resolution with the front view key

Each time you press the  key while holding down the  key in the front left panel, the LCD switches between the preset resolution and color quality settings. Each time you press the  key while simultaneously holding down the  and  keys, the screen rotates in the order of 90, 180, 270, and 0 degrees. The LCD indicator is lit while the screen is rotated 90, 180, 270 degrees. If you checked the External Pivot Program Use, the screen rotates by a separate pivot program.

1. Click the resolution icon located in the lower right on the screen.



2. Click the  button to display the window where you can select resolutions.






3. 3. Select resolution settings to apply with the front view key, and select the  button.

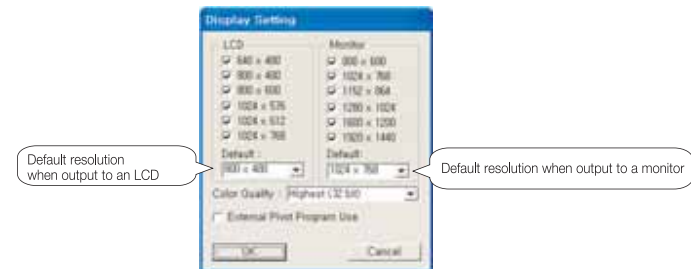
Now you can switch between selected resolutions with the front view key.

If you have selected the resolution as in the figure, pressing the front view key switches the resolution in the order of 800x480 -> 800x600 -> 1024x768 -> 800x480 -> 800x600 -> ...





Switching between the LCD and external monitor output

Each time you press the  key while simultaneously holding down the  and  keys, the video output switches between the LCD and an external monitor. When you change video output, the preset resolution is applied as shown in the figure.



Registering and selecting a virtual keyboard

Each time you press the  key while simultaneously holding down the  key, the virtual keyboard you set/registered starts or ends.



Virtual keyboard setting button

1. Click the  button to start the virtual keyboard setting window as shown below. The VegaVK is registered and selected by default. Virtual keyboard selection button



Virtual keyboard selection button

2. Select the Register section to register a new virtual keyboard.



3. Select the  button while the Register section is activated to select the file to register. Select the  button to register.






Now you can start the registered/selected virtual keyboard using the front view key.

Remaining battery indicator

Green: 100%-0%

Red: indicates 0% battery level

Timer indicator

The time displayed in  indicates the time passed from booting Windows until ending the system. Selecting the  button resets the time as .

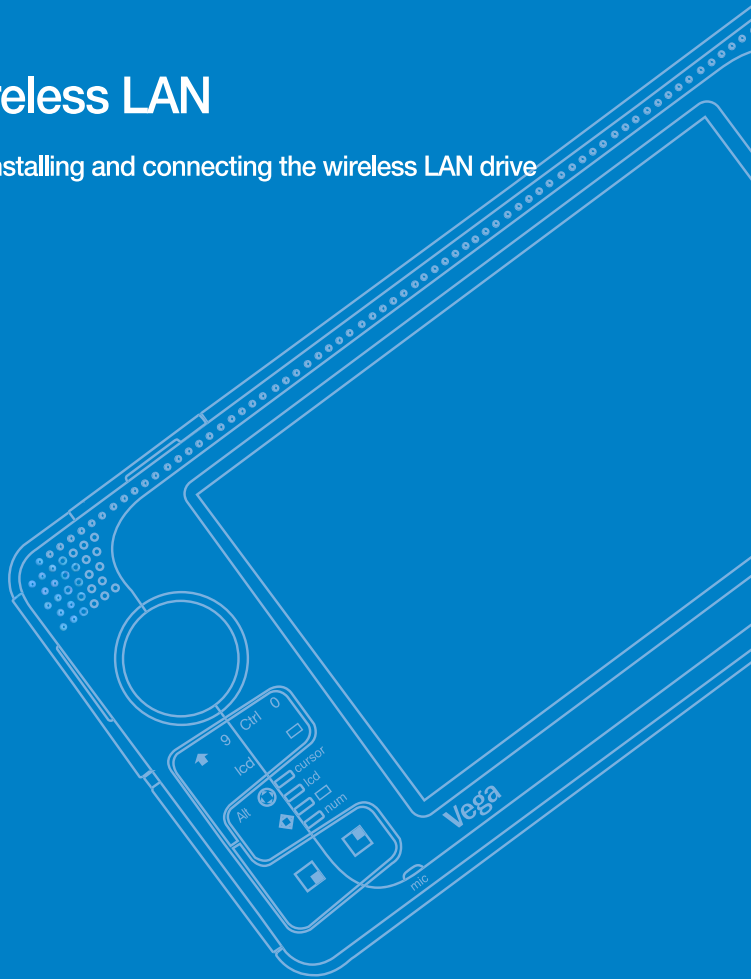
Low battery alarm function

When an alarm is set, the system automatically shuts down 10 seconds after displaying the alarm message.



Wireless LAN

Installing and connecting the wireless LAN drive

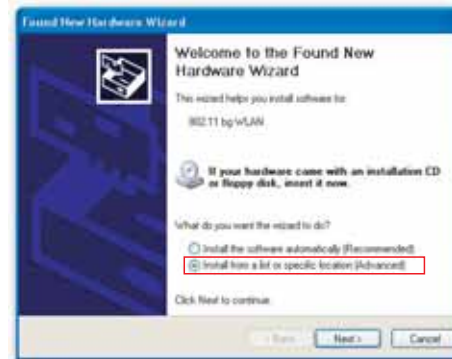


Installing and connecting the wireless LAN drive

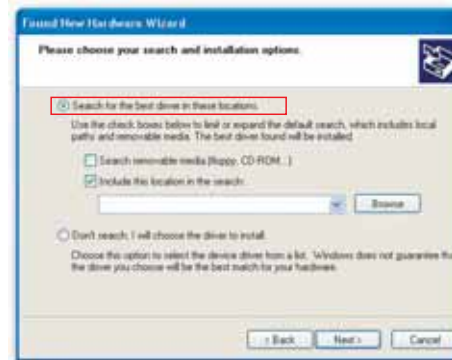
Installing driver

Vega is supplied with pre-installed wireless LAN card driver. When you reinstall the OS, install the driver as shown below.

Insert the wireless LAN card to the USB port. Select "Install from a list or specific location (Advanced)" and then click the "Next" button.



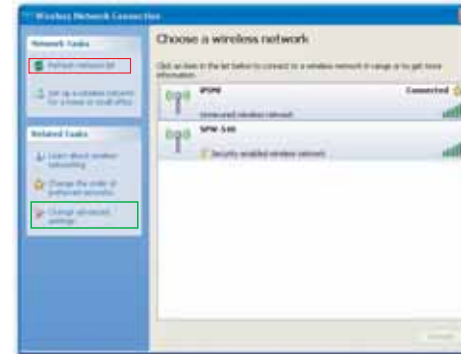
Select the "Include this location in the search" check box. Click "Browse," select the folder in which the driver file is located, and click "Next" button.



When the search wizard finishes, click "Finish"



Select "Refresh the network list" from the left pane, and double-click the AP to connect from the list displayed.



Connecting your wireless LAN with Windows XP Zero configuration

Windows XP can connect to wireless LAN through Windows zero configuration only without installing the wireless LAN utility.

The following figure shows Windows XP with Service Pack 2 installed.

Right-click the network connection icon located in the lower right on the screen,



Select "View available wireless networks",



If the list does not refresh and the error message "Windows cannot configure this wireless connections," appears, click "Change advanced settings" from the left pane and select "Wireless network", Select "Use Windows to configure my wireless network settings" and try again.



Q&A

Questions and Answers Frequently Asked Questions

Q&A (Questions and Answers)

Q: Has the Windows XP been modified in a certain way?

A: Our Windows XP CD is a genuine Microsoft Windows® XP Home Edition which has not been modified by an OEM. However, the unit comes pre-installed with drivers and programs for Vega,
(You have to install the drivers and programs for Vega after reinstalling Windows.)

Q: What programs comes pre-installed with the unit?

A: Microsoft Windows® XP Home Edition
- DirectX 9.0c
- Vega-exclusive audio/video driver
- Vega Utility: PM (battery monitor)
Virtual keyboard
- AES driver (encryption engine)

Q: The Windows label looks as if it has been removed and replaced again,

A: The label with the Windows serial number is the original supplied from the Microsoft Corporation. The holes in its inner sides are not neatly designed so it looks like it has been removed and replaced again.

Q: Can I use an external USB CD/DVD-ROM?

A: Yes, you can. You can use an external device without additional power for up to 1A. You can also boot from CD-ROM to reinstall Windows.

Q: Can I boot from an external USB HDD?

A: No, you cannot. The device will be recognized as an external storage device.

Q: How long does it take to charge a battery?

A: It takes about 3 hours and 1 hour respectively to charge a standard (large capacity) and a compact battery for 80% capacity.

Q: Can I use wired LAN?

A: You can use a USB type wired LAN card. However, a stick-type wired LAN card can exert excessive pressure on the connector of the unit. A wire type is recommended.

Q: Can I output the Full HD LCD TV to an external monitor in a resolution of 1920x1080?

A: Yes, you can.

Q: Can I use a GPS or maps?

A: You can use a GPS with a USB connection.
You can also use maps optimized to a resolution of 800x480.

<Frequently Asked Questions>**The focus of my connected monitor is out of range.**

See page 27.

The monitor does not revert to a resolution of 800x480 after disconnecting an external monitor.

See page 26.

How can I enter safety mode?

Turn on the power and press F8. (See page 17)

**I want to set a password in Windows.
Can I enter the password without using the keyboard?**

Numeric passwords can be entered with Vega front view keys. (See page 17)
If you have set a password in alphabetic or alphanumeric characters, you need a USB keyboard.

I cannot enter the BIOS with the Del (5) key.

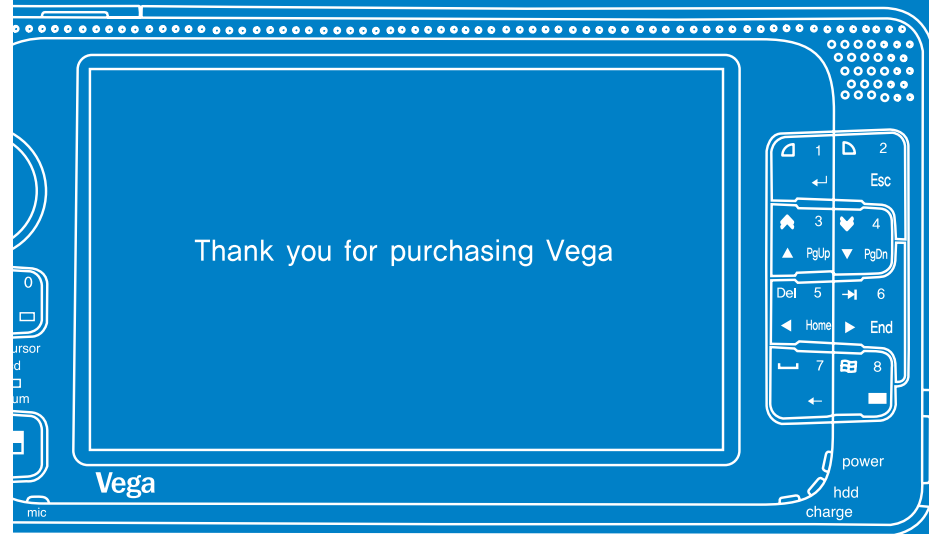
Do not hold down the Del key, instead, repeat pressing and releasing the key.
Also cancel the cursor function assigned to the Del key. (See page 18)

A high-pitched beep is output at the maximum volume level.

The maximum volume is not supported by the speakers.
Set the volume less than 80% of the maximum volume to avoid the problem.

**I charged the battery until the indicator is unlit after reinstalling Windows.
However, the unit turns off like a TV after only 1-2 hours of operation.**

Backup battery management program (PM) *.dat files before reinstalling Windows.
If you did not, discharge and recharge the battery to its full capacity. (See page 42)



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