

Raon Digital recommends Windows® XP Home Edition

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

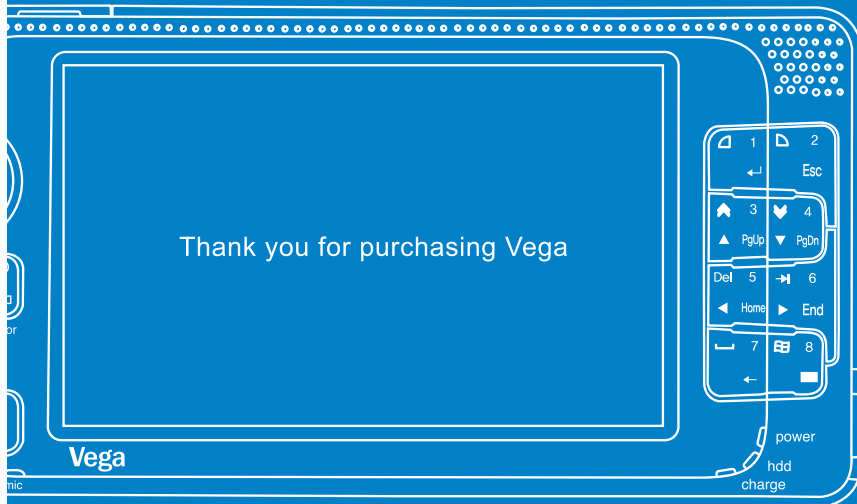
Vega

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All-purpose Entertainment; now right in your hand.

Ultra Portable PC Vega

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Maintenance and Safety Precautions.

Congratulations on the purchase of your new Vega Ultra Portable PC. We at Raon Digital hope that it will give you many years of enjoyment. Please pay attention to the following advice for your own safety and to ensure correct operation of your Vega computer. Keep this manual in a safe place and refer to it first if you have any questions or problems.

Keeping your Vega in top condition

- The screen we use is a light touch TFT panel. Although it gives outstanding performance, it is vulnerable to scratches and impacts. When the screen gets dirty, clean it with a soft, lint free cloth.
- We build our machines tough, but the Vega is not designed to be dropped. Please take care when removing it from its case or pouch.
- Mobile electronics are especially vulnerable to extreme heat, static electricity, dust, dirt, rain and food or drink. Please keep your Vega away from all adverse conditions and foreign substances.
- Try not to place your Vega close to magnets, including those found within large stereo speakers.
- Disconnect your Vega from the mains (and all other electrical equipment) during thunderstorms. Lightning strikes can start fires or cause damaging power surges.
- Don't use your Vega while in a small enclosed space such as its carry pouch. If you do so, make certain to keep the air vents clear or your system will overheat.
- Only use batteries designed for the Vega and charge them only using the provided AC adapter. Using batteries and/or chargers incorrectly has been known to cause fires and battery explosions.
- Always backup important files. This is important on all PCs, but especially so on mobile devices due to the increased risk of accidental damage or theft.

- Don't disconnect the USB device cable or power off while the disk is operating. Doing so can cause data loss.
- Do not disassemble, repair or modify your product. Doing so will void your warranty. If your Vega requires servicing, return it to the place of purchase.
- Do not place heavy objects on top of your Vega.

Safety

- Do not use while driving. If you install the Vega as a car computer, be careful that it does not interfere with your concentration.
- Earphones (especially at high volume) can interfere with your hearing and awareness. Refrain from using them while riding a bicycle, driving, or operating machinery.
- Sustained use of earphones can cause hearing damage. If you feel ringing in your ears, stop using the Vega.

The Hard disk

- The hard disk in your Vega is a sensitive product. Impacts and drops can easily damage it, especially while the machine is on and the disk is operating.
- If you are using your Vega as an external disk drive connected to a PC, ensure that it is switched off. If your Vega is on standby or power saving mode, data loss may result.
- Ensure that there is enough power remaining in the battery while working. A sudden power off can cause loss of data on the drive.
- The warranty covers defects of workmanship and materials. Accidental damage due to the users carelessness is not covered.

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

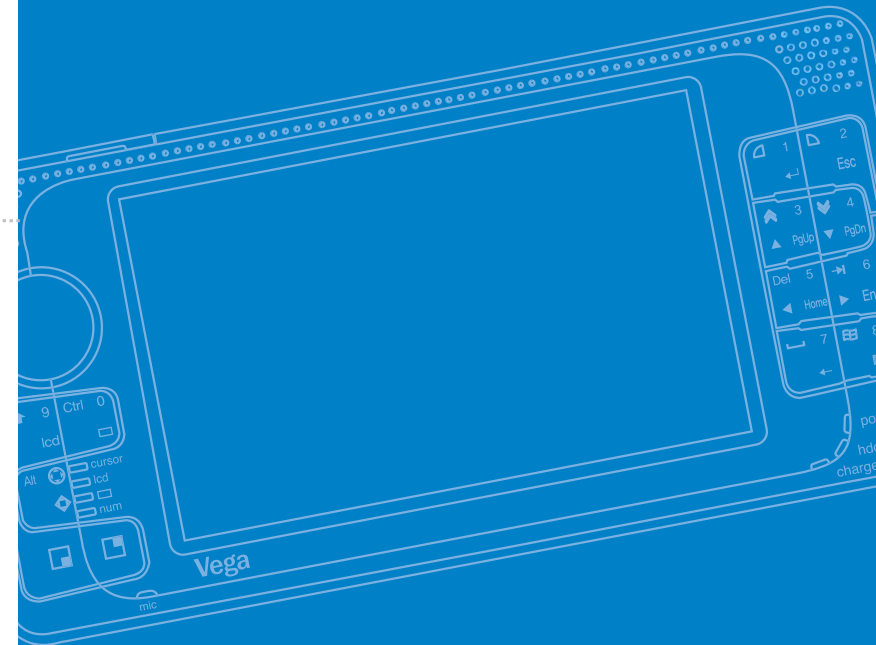
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Using or copying the manual, partly or entirely without permission of Raon Digital is prohibited.
The details of this manual may be changed without prior notice to upgrade the function of the product. Raon Digital doesn't warranty against data loss. It is wholly within the user's discretion to take precautions with important data and keep up-to-date backups.

Changing the Operating System

The default OS installed is Microsoft Windows® XP.
Raon Digital does not provide support for alternative operating systems. Do so at your own risk, as we may not change,refund or service Vegas with non-standard operating systems.

Components of Vega

The Standard Package
Vega Parts and Features
Vega specifications



Components

The following items, accessories and the user's manual come together with the standard Vega package. All additional components can be purchased at Raon Digital's online shopping mall www.vega-mall.com (Korea only.) Outside of Korea, your reseller may hold these items in stock or order them for you.

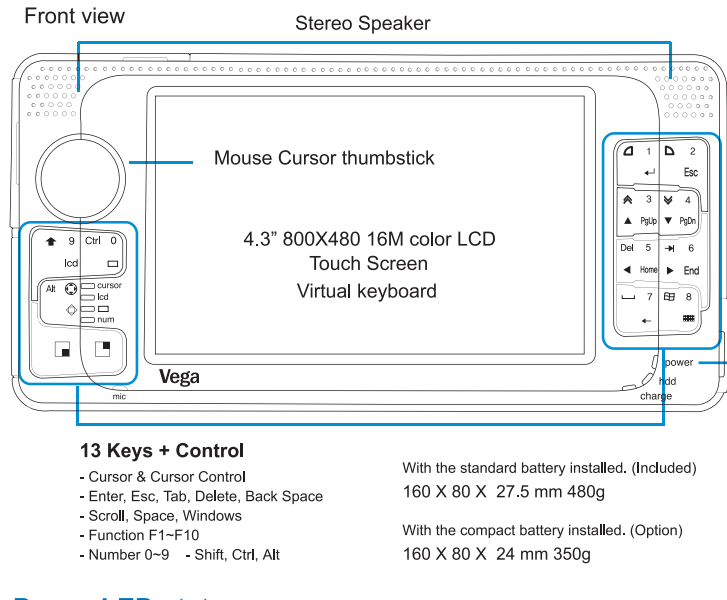
Standard package



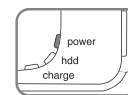
*Items may vary according to region.

Vega Parts and Features

Vega is the world's smallest PC, with an incredibly clear 4.3 inch LCD screen and maximum mobility thanks to a battery life of up to 6 hours. Vega will play any movie file, many games and runs all common office software. Connected to Wifi using the included adapter your Vega becomes part of a rich Internet experience that you can take with you.

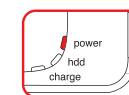


Power LED states



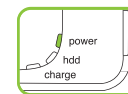
off

Machine is off, in maximum power saving mode or has just been put into standby.



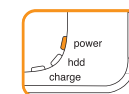
red

Machine has been turned off after restarting from standby, has just been turned on or has had a fresh battery connected.



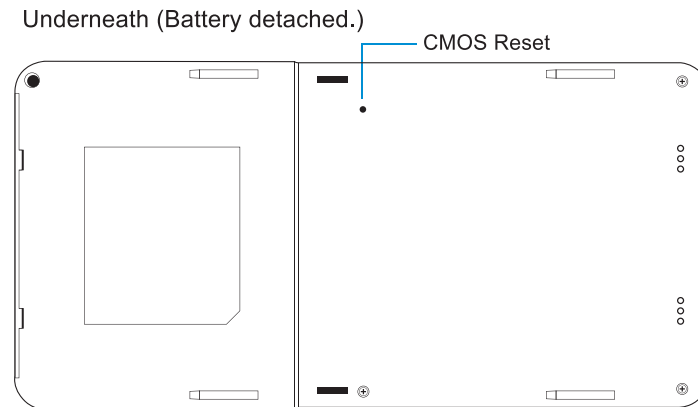
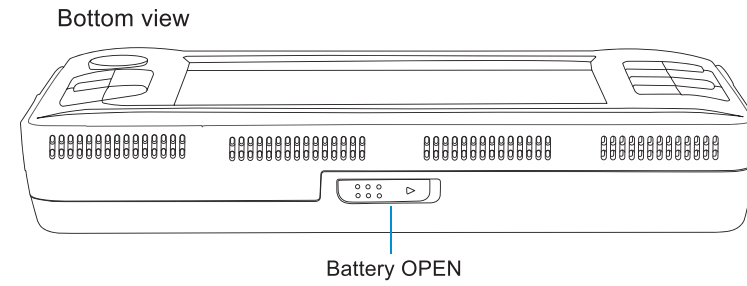
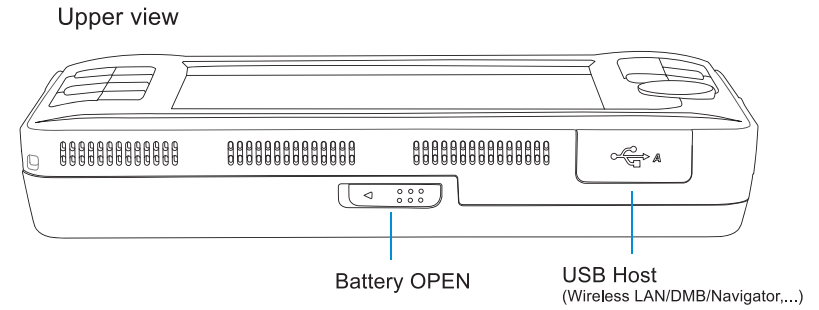
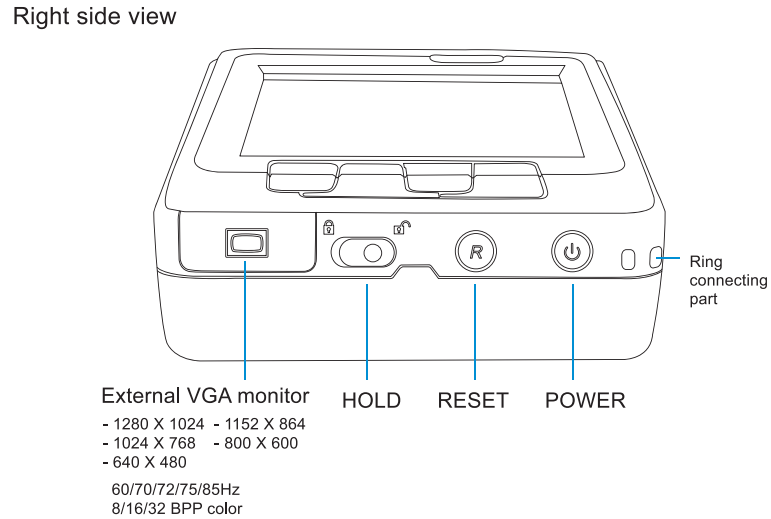
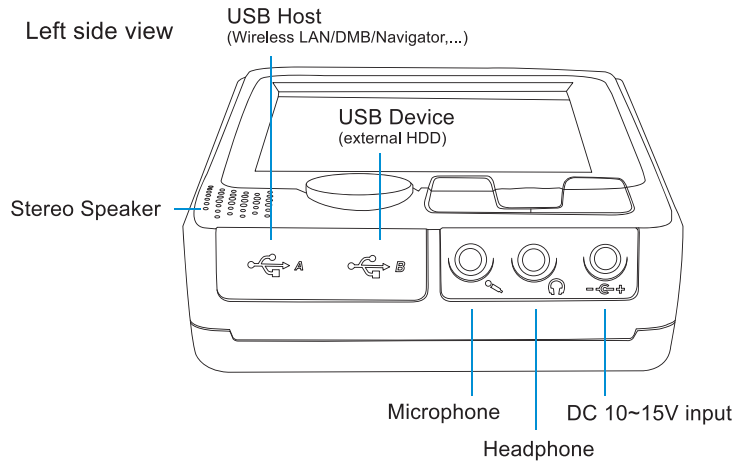
green

Machine is operating normally.



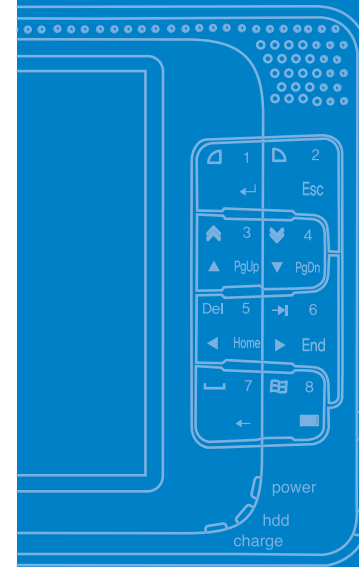
orange

Machine is on standby.



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) (While playing a movie with the LCD at full brightness and Internal speakers at 50% volume.)	
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

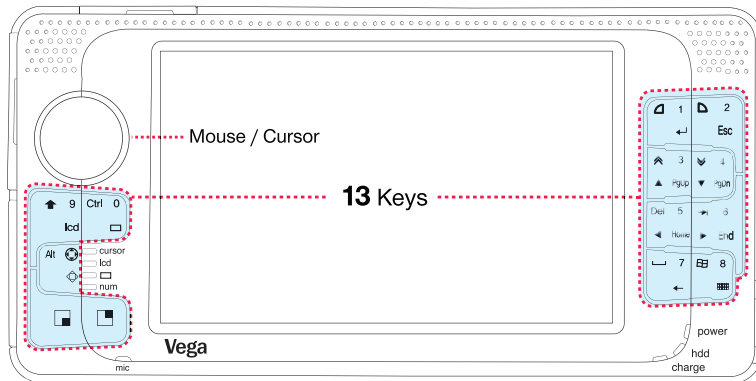
- How to use the front view keys
- How to use the shortcut keys
- How to use the virtual keyboard
- How to use the touch screen

Keys

Vega has its front view keys (hotkeys) and an onscreen virtual keyboard operated by the stylus. The hotkeys can speed up many normal operations and make your experience far more convenient than is otherwise possible, so putting in the effort to learn them is highly recommended.

How to use the front view keys

There are 13 buttons on the right and left side of the Vega, and each key can have several functions according to how it is combined. The hotkeys are designed for easy access to the most common keyboard keys and computer commands.



The four 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.

► The basic principles

	+		=		=	Mouse wheel up
	+		=		=	3
	+		=		=	F3
	+		=		=	Page up
Combination key			=		=	Cursor Up

num if Num LED is On
 input number **3**
 if Num LED is Off
 input Function Key **F3**

Input method No. 1

Pressing a key alone with the LED off :

Mouse Wheel up

Input method No. 2

Pressing at the same time as the key :

+

Page Up

Input method No. 3

Pressing a cursor key while its backlight is on :

Cursor Up

One can toggle the Cursor LED by pressing + .
 This allows easy access to cursor movement.













































































Input method No. 4

	+			cursor lcd num LED OFF	While 'Num' LED is off : F3
	+			cursor lcd num LED ON	While 'Num' LED is on : 3

F10 is entered by + .
 Toggle the Num LED ON/OFF by pressing + .

By remembering this pattern, you can input any of the other combinations. Refer to the diagram on 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	Key	Key input value
 1 Left Mouse Button		 +  1 Enter				 +  1 1	 +  1 F1		
 2 Right Mouse Button		 +  2 Escape				 +  2 2	 +  2 F2		
 3 Mouse Wheel Up		 +  3 Page Up		 3 Cursor Up		 +  3 3	 +  3 F3		
 4 Mouse Wheel Down		 +  4 Page Down		 4 Cursor Down		 +  4 4	 +  4 F4		
 5 Delete		 +  5 Home		 5 Cursor Left		 +  5 5	 +  5 F5		
 6 Tab		 +  6 End		 6 Cursor Right		 +  6 6	 +  6 F6		
 7 Space		 +  7 Backspace		LED ON		 +  7 7	 +  7 F7		
 8 Window		 +  8 Keyboard Call/Return				 +  8 8	 +  8 F8		
 9 Left Shift		Toggles the Virtual keyboard on and off.				 +  9 9	 +  9 F9		
 0 Left Ctrl						 +  0 0	 +  0 F10		
 Left Alt							 +  +  1 F11		


 Toggle the Num LED ON/OFF by pressing  +  .



How to use the shortcut keys

This section introduces the most important control combinations that all Vega users should memorize. These combinations can really improve the overall experience so we recommend that you copy or print this page and keep it near your Vega for reference.



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 the LCD backlight on and off.




 This function can save your battery while listening to music.

 +  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 thumbstick 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 thumbstick 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 clockwise 90 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, toggles the sound between muted and audible.

 +  Starting or exiting the virtual keyboard




Starting or exiting the virtual keyboard

Each time you press the  key while simultaneously holding down the  key, opens or closes the virtual keyboard.

Others




 +  +  Pasting (Ctrl + V)

Pasting (Ctrl + V)

Pressing the  key while simultaneously holding down the  and  keys, pastes the clipboard contents.



 +  +  OK



OK

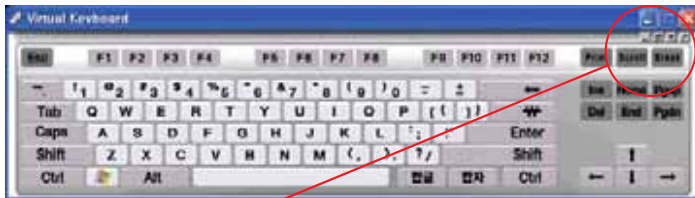
Pressing the  key while simultaneously holding down the  and  keys, clicks ok in an open dialog box. This is an alternative to using the mouse.

How to use the virtual keyboard

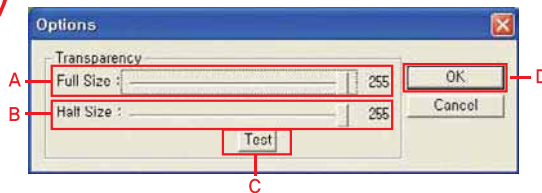
Call the Virtual Keyboard

Press the  key while pressing the  key.
Place the cursor at the location you want using the touch screen or thumbstick and input the words into the virtual keyboard

Pressing the  +  keys again will close the keyboard.



1. Minimize keyboard.
2. Full screen.
3. Close keyboard.
4. Open transparency settings. This allows you to use the keyboard on top of an open window or application.



Transparency Settings.

- A. Adjust transparency for the full screen keyboard. (Try 100 at first.)
- B. Adjust transparency for the standard size keyboard.
- C. Test without exiting the dialog box.
- D. Apply your settings.



 Low values here mean the keyboard will be almost invisible.

Utilizing the virtual keyboard

1. Open WordPad or other program requiring text input.



2. Open Virtual Keyboard with the hotkey shortcut.



3. Maximize it.



- Adjust transparency from Options and select 'OK'.
(The keyboard will remember the values you used last, so you need only do this step once.)



- Switch back to the application that you wish to write on using the task switcher hotkey (ALT+TAB) or tapping the application on the taskbar using the stylus. The virtual keyboard will remain on top.



- Use the virtual keyboard to enter your text.
(English Vegas will have the Standard American Keyboard ; the button is by the spacebar.)



How to use the touch screen

Using the stylus alone.



The pointer moves to follow the stylus.
Holding the stylus down operates as moving the mouse while holding the left button down.
Tapping the stylus on the screen operates as a left-click.

If using the touch pen while pressing the key.



The pointer moves to follow the stylus.
Holding the stylus down operates as moving the mouse while holding down the right button.
Tapping the stylus on the screen operates as a right click.

If using the touch pen while pressing the key.



The pointer moves to follow the stylus, but without entering a click.
This is identical to simply moving the mouse with no buttons pressed.
(Use for displaying tool-tips etc)

LCD display

You can toggle between the following resolutions according to what best suits the current application.

Video resolution

Video

LCD display
Changing the video resolution
How to use an external monitor

Vega



640 x 480

Stretches the screen horizontally to fit the LCD's resolution.



800 x 480

The LCD's native resolution. This gives the clearest image possible as there is no stretching or scaling.



800 x 600

Compresses the screen vertically to fit the LCD's native resolution.

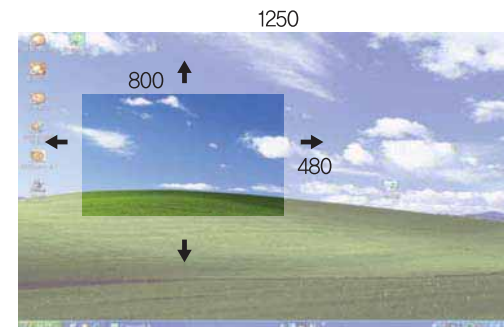


1024 x 768

Compresses the screen both vertically and horizontally to fit the native resolution.



Sizes above 1024x768 will be cut and displayed within the 800x480 screen. Scaling isn't supported, but the screen will pan automatically as you move the mouse around.



Changing the video resolution

Video Resolution

1. Use  +  keys to change the LCD resolution.

Switches between 640x480, 800x480, 800x600 and 1024x768 the LCD resolution.

2. Setting the default resolution.

Background screen -> Set -> Advanced -> 'Geode LX setting Tap'

'Simultaneous' and 'display scaling' selected.

- 640X480 (VGA) → Stretched horizontally (in 800x480)
- 800X600 (SVGA) → Contracted vertically (in 800x480)
- 1024X768 (XVGA) → Contracted vertically and horizontally (in 800x480)
- Higher resolutions → Pans automatically (a 800x480 window displayed)

'Simultaneous' and 'no scaler' selected.

- 640X480 (VGA) → Centered in the LCD display.
- 800X600 (SVGA) → Pans vertically automatically.
- Higher resolutions. → Pans automatically

Select CRT


LCD off

3. How to reinstate the LCD supported resolutions.

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 the LCD Backlight brightness

While pressing  press the thumbstick upwards and downwards to adjust the brightness.

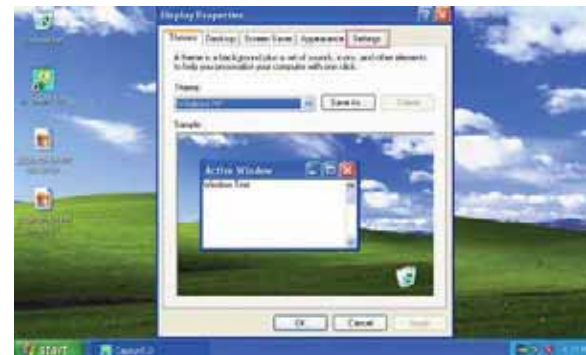
How to use an external monitor

Caution: When using an external monitor, always connect it before changing the display properties.

1. select 'properties' from the menu.



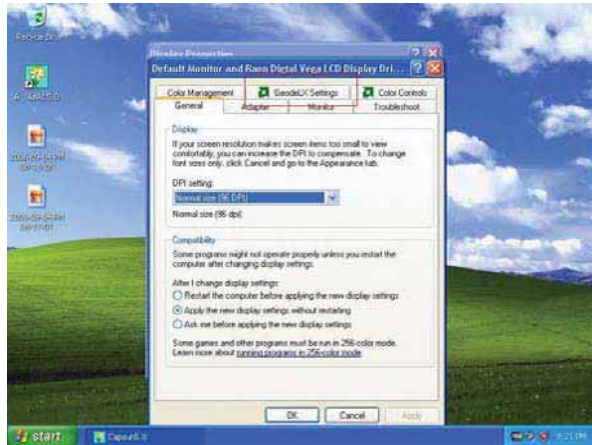
2. Select 'Setup' from the Display properties screen.



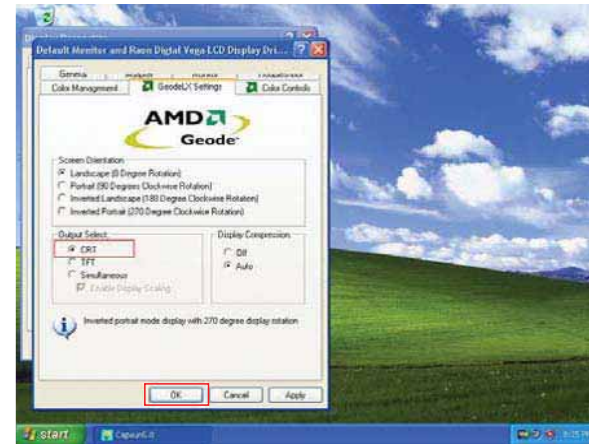
3. Setup the screen resolution to more than 800x600.
 If the screen resolution is under 800x600 (640x480 or 800x480) parts of the dialog box will run off the bottom of the screen.



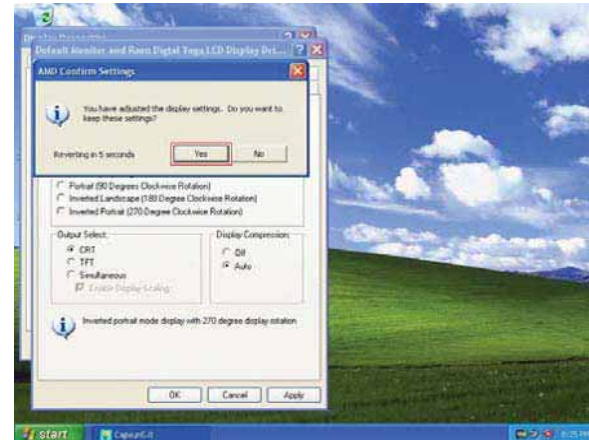
4. Select the 'Advanced' button and select 'GeodeLX Settings' in the advanced settings screen.



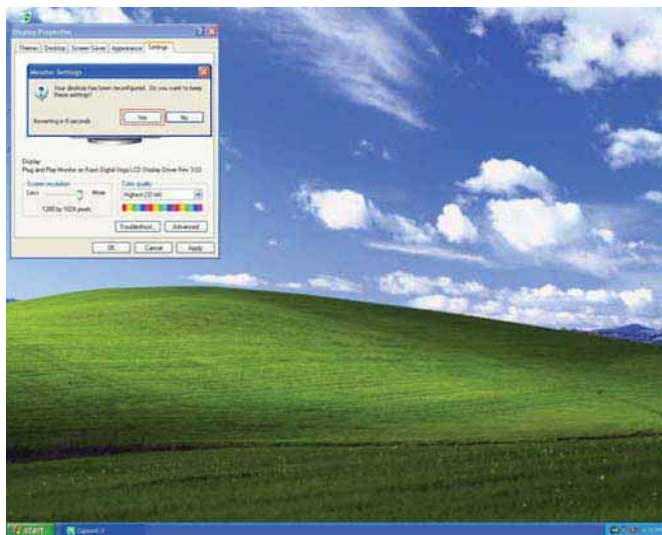
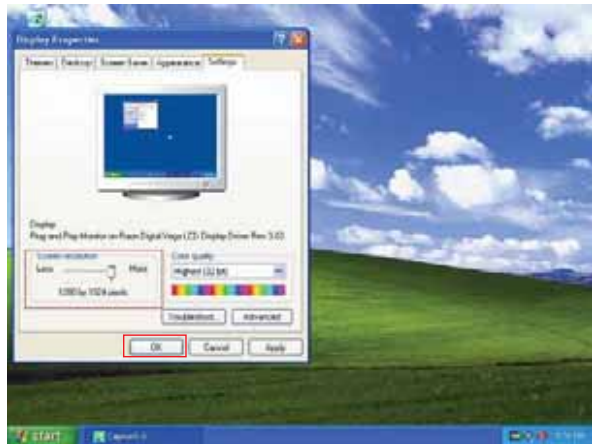
5. Select 'CRT' from Output Select and click the 'OK' button.



6. After selecting the 'Confirm' button, select the 'Yes' button from AMD Confirm Settings. The main LCD screen will switch off at this point.



7. Adjust the resolution of the external monitor and select the 'Confirm' button. Select the 'OK' button from the monitor settings.



Functions

Utilization tips

Resetting the BIOS

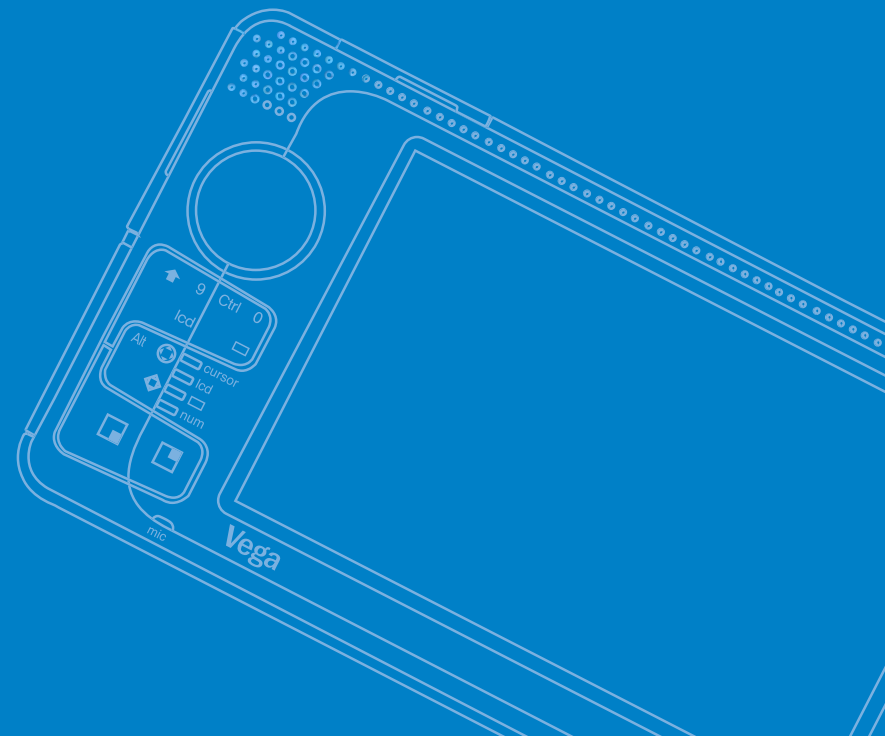
Charging the battery

Controlling the master volume

Using your Vega as an external USB drive

Changing the LCD brightness

Forced powerdown



Utilization Tip

When a problem occurs, take the following steps.

Tip

When a movie clip is running slowly or skipping.

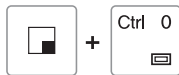
First close all open applications and ensure that you have nothing running in the background. Then go into Task Manager (Ctrl+Alt+Del) and right click on the player in the process tab. Increase the task priority.

Tip

When a program menu runs off the bottom of the screen.

This sometimes happens while installing software designed for XP. Use the hotkeys to switch the LCD to 800x600 or higher.

Use



keys to change the LCD resolution.

This will switch between 800x480, 800x600 and 1024x768 screen resolutions.

Tip



If a system error occurs while entering or exiting a game.

Most games will automatically switch the screen resolution to the games default upon starting and exiting. A possible fix is to manually change the LCD resolution to the games default before starting the game.

Resetting the BIOS

The BIOS settings control the most basic functions of a PC and are stored automatically by a small internal CMOS battery. Altering these beyond the defaults is for advanced users only. Should you alter your BIOS incorrectly and cause a system malfunction, or should the machine not be used for a long time then it may be necessary to reset the BIOS to its default settings.


Take the following steps to restore.

1. Discharge the CMOS Battery by pressing the CMOS reset hole in the back of the unit for at least 10 seconds (You need to remove the main battery first.)
2. Replace the battery and power on your Vega.
3. On 'CMOS Check Sum Error' press DEL to go into BIOS setup.
4. Make sure the thumbstick is in cursor mode ( + )
5. Select 'Load Optimized defaults' and then select 'Save and Exit.'
6. The machine should now boot normally.
7. If you still experience problems, try contacting Raon Digital on our website www.raondigital.com .

Charging the Battery

The battery can be charged by the supplied power adapter. Every time the adapter is connected Vega will automatically determine if a charge is required by checking the battery voltage. The blue charge LED will remain on while charging is in progress. In general the battery will charge up to 80% in 3 hours, then more slowly to 100%. A full charge takes about 4 hours more.

Controlling the Master Volume

To increase and decrease the Master Volume hold down  while moving the thumbstick to the right or left respectively. This can have a noticeable effect on battery life.

Using your Vega as an external USB drive

You can use the unit as an external USB-HDD device by connecting it to the USB ports on your desktop or laptop PC with a USB A-mini B cable. Connect the mini B plug to the USB device port on the side of your Vega. If your PC cannot recognize your Vega try a different USB port and if that fails you need to install the Vega driver software in the supplied CD-ROM.


Caution

1. If the Vega is powered on it cannot be used as a USB device.
2. If the Vega is in Hibernation mode, then using it as a USB drive can damage data or system files. Turn your Vega off if you want to use it as an external drive!
3. Issues can arise when a PC enters standby while copying files to or from an external drive (including the Vega). Windows doesn't check changes in the file system while entering/exiting standby. Restart your PC to resolve this.

 To use the unit as an external USB device, be sure to shut down Windows. Do not put the system in Hibernation mode.



Changing the LCD brightness

Moving the thumbstick up or down while holding down  will increase and decrease LCD brightness respectively.

This can have a noticeable effect on battery life.

Forced powerdown

If you hold down the power button for 4 seconds the machine will instantly shutdown. You will lose all unsaved data.

System maintenance

Reinstalling Windows

Installing display adapter

Installing updating and using the Vega utility software



Reinstalling Windows

Your computer must be connected to the Internet during this process in order to authenticate your copy of XP with Microsoft. Refer to the Windows® XP manual.



Installation order

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. Versions of Direct X above 9.0

Check the version by entering 'dxdiag' in the run command on the Start menu.

Installing display adapter

1. When Windows boots for the first time it will detect a new 'Video controller'. Cancel the wizard and follow the following steps :

Start → Control Panel → Performance and Maintainance → System → Hardware → device manager → display adapter

Delete the " Raon Digital Vega LCD Display Driver "
Restart the Windows.

2. Installing the Vega driver

New hardware, 'Video Controller' will be detected after booting.

Cancel 'Starting new hardware search wizard'.

Start → Control Panel → Performance and Maintainance → System → Hardware → device manager → display adapter

Select 'Video Controller (VGA compatible) from the list and click on 'Update driver' in the Driver tab.

Hardware search wizard.

Select Install from a specific location and click 'Next'.

Point to the location of your driver CD or files.
(If you are installing from an external CD-ROM it will be D:\RaonDriver\RaonVideo)

Select 'Confirm' and select 'Next'.

Select 'Continue' from the compatibility test result screen,
After a few seconds the update will be complete.

3. Setting up the initial resolution

Select 'Properties' from back ground screen.

by clicking right mouse button.



Click on advanced in the 'Settings' tab.

Select 'GeodeLX Settings.'

Set the output as Simultaneous and Enable display Scaling.

Set Display Compression to Auto and confirm.

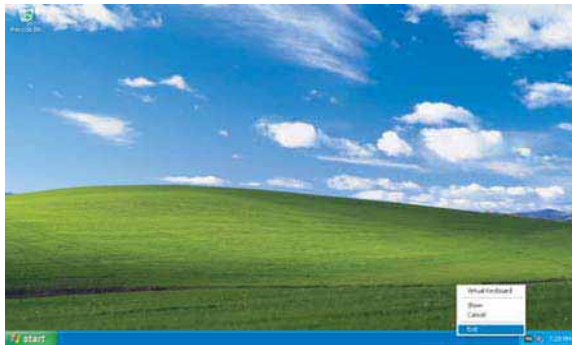
4. Change the screen resolution to 800x480

using the  +  front view keys.

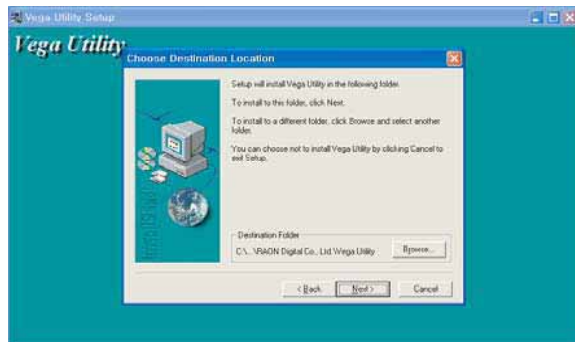
Installing and updating the Vega utility software

Caution

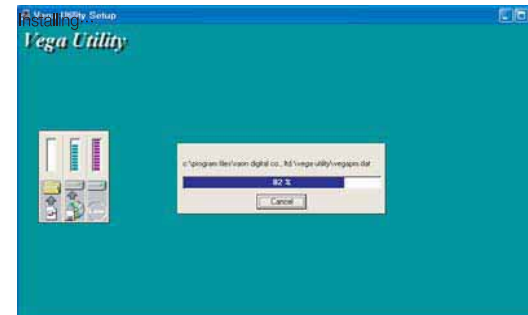
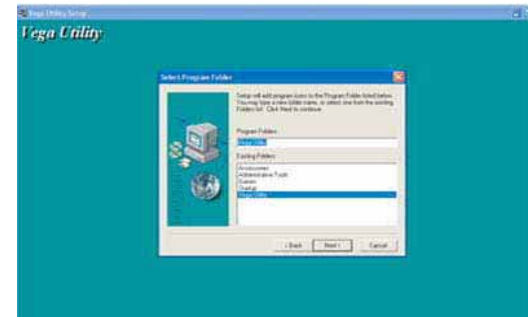
Do not remove the pre-installed Vega utility before updating. If you do so, the remaining battery status and other settings are reset to the default. If you have to remove the pre-installed utility, save your existing VegaPM.dat file in the Vega utility installation directory (C:\Program Files\RAON Digital Co., Ltd\Vega Utility) in a separate folder, and copy it to the same directory after re-installation. Before updating, 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").



Run setup.exe on the Vega driver CD-ROM to install the Vega utility. Select the "Next" button.



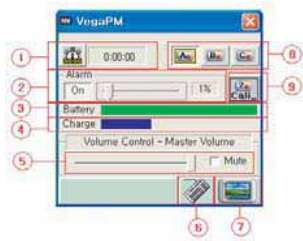
Select the "Next" button.



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


How to use Vega Utilities

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

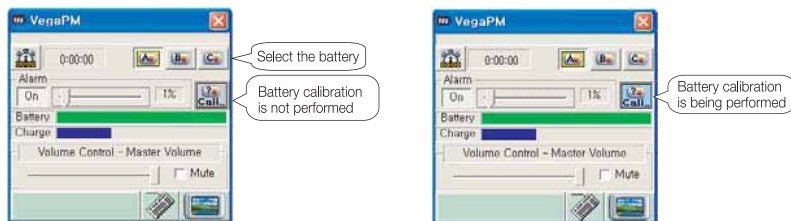



1. Indicates time passed since starting Windows.
2. Battery alarm.
3. Remaining battery life.
4. Indicates the charging rate. Zero is shown when the battery is fully charged or disconnected from mains power.
5. Volume/mute control.
6. Used to register and choose your default virtual keyboard.
7. LCD screen resolution settings.
8. Select battery for calibration. Vega can store information for up to three batteries.
9. Calibrate the battery.

Battery Calibration

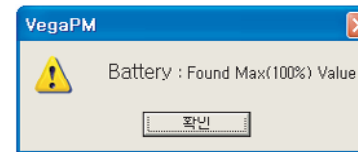
If you can see a '?' mark in the battery calibration icon  then you should calibrate the battery so your Vega can more accurately estimate remaining battery life.



1. Click the battery icon located in right side of the VegaPM window.

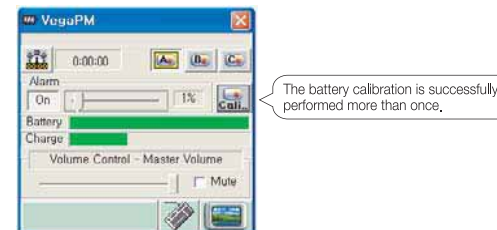


2. Click the  button to start the battery calibration. Actual calibration is performed in segments where the charge bar is displayed in green.

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  button.



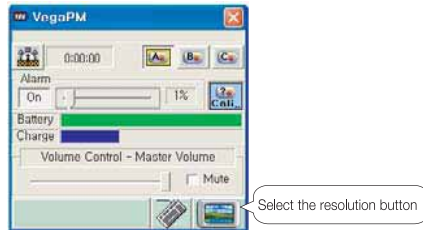
Calibration is easiest performed on a battery that has just been through a complete charge/discharge cycle. Fully charge your battery with the Vega powered off. Then turn on your machine (disconnected from external power) and discharge the battery. Once the battery is fully discharged, reconnect the DC jack and perform the procedure above.


This method can be used for up to three batteries. Whenever you change between your calibrated batteries make sure that you select the appropriate one from VegaPM to show the correct life remaining.

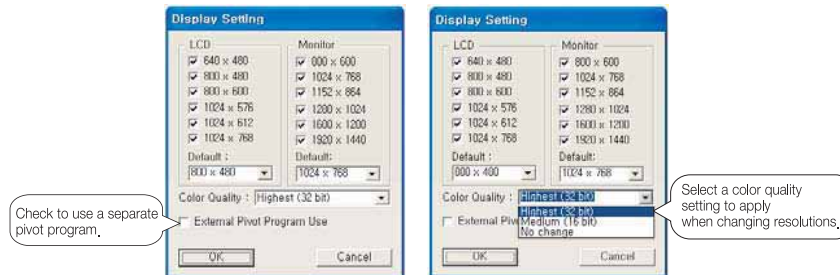
Selecting the resolution with the front view key

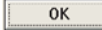
Each time you press the  key while holding down the  key in the front left panel, the LCD switches between the preset resolution and color quality settings. Each time you press the  key while simultaneously holding down the  and  keys, the screen rotates clockwise 90 degrees. The LCD indicator is lit while the screen is rotated 90, 180 or 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 of the VegaPM window.



2. Click the  button to display the resolution selection dialog.



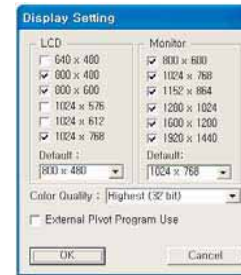
3. Select the resolutions that you want enabled and click the  button.

Now you can switch between these resolutions using the hotkeys (previous page.)




If you have selected the resolution as in the figure,

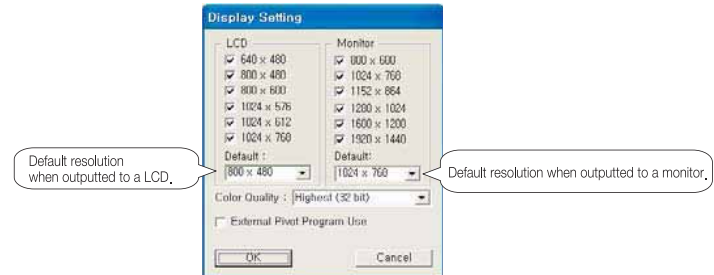
pressing the front view key switches between the following:

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

Although Vega comes with virtual keyboard software, there are many alternatives available on the Internet, including handwriting recognition.

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



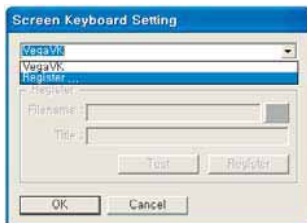
Select a virtual keyboard


1. Click the  button to start the Virtual keyboard selection dialog. The Vega virtual keyboard, VegaVK, is selected by default. You can change to a third party keyboard here.



Virtual keyboard selection button

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



3. Select the  button to find your previously downloaded and installed alternative keyboard.

Click on 



4. Now you can access this keyboard using the hotkey combination.

Remaining battery indicator

Green : 100% - 0%

Red : indicates 0% battery level

Timer indicator

The time displayed in  0:09:39 indicates the time passed from booting Windows.

Clicking the  button resets the timer.

Low battery alarm function

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



Wireless LAN

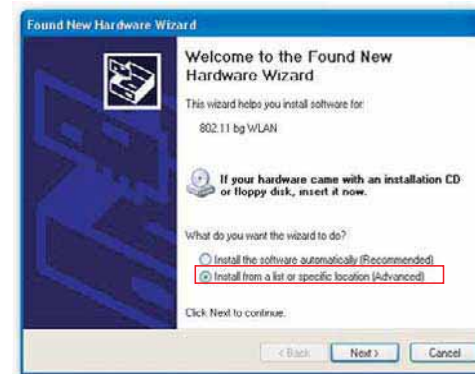
Installing and connecting the wireless LAN driver

Installing and connecting the wireless LAN driver

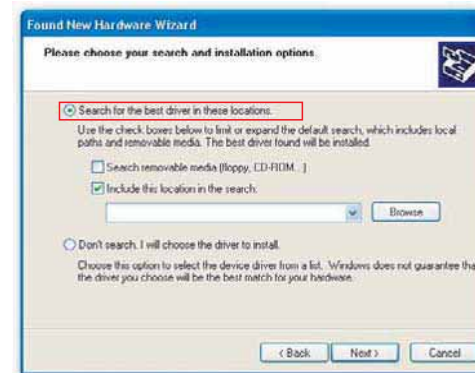
Installing driver

The driver files for the supplied Wifi USB stick are preinstalled. If you reinstall XP then you will need to also reinstall the driver files as shown below.

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



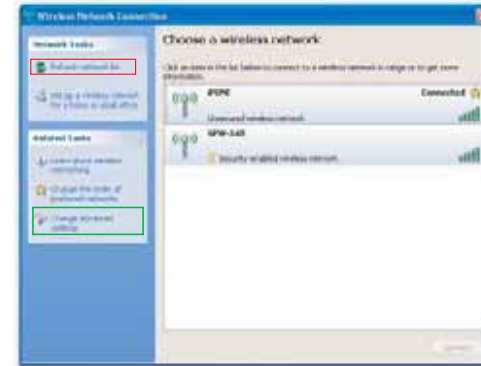
Select the "Include this location in the search" check box. Click "Browse," select the folder in which the driver file is located, and click "Next" button.



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.



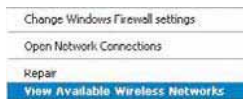
Connecting your wireless LAN with Windows XP zero configuration

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.

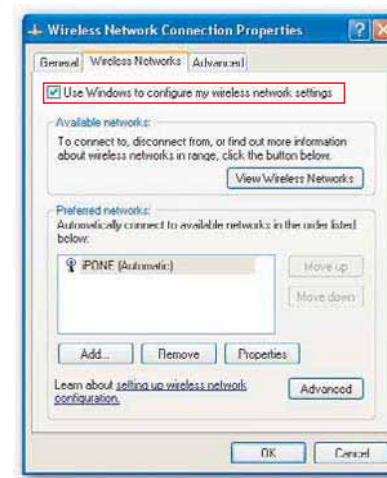
Right-click the network connection icon located in the lower right in the system tray.



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 Windows XP been modified at all?

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 reinstall these drivers after reinstalling Windows.)

Q: What programs come preinstalled 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 Microsoft. The holes in it's inner sides are designed to show tampering, giving this distinctive appearance.

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

A: Yes you can. You can use an external drive.
 Your Vega can supply up to one amp of current from it's own battery. External drives drawing more current than this will require a separated power supply. The easiest way to reinstall Windows is using an external drive.

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 the battery?

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

Q: Can I use wired LAN?

A: You can use a USB type wired LAN card. We recommend using a RJ-45 to USB cable. Using a USB plug in RJ-45 to USB adaptor can exert excessive pressure on the USB connectors due to the leverage applied.

Q: Can the Vega output at full HDTV at 1920x1080 (1080p) to an external monitor?

A: Yes it can.

Q: Can the Vega use GPS or maps?

A: You can use any USB compatible GPS receiver.
Maps can be used if optimized to the screen resolution.

<Frequently Asked Questions>

The focus of my connected monitor is out of range.

See page 27.

The screen does not revert to 800x480 after disconnecting an external monitor.

See page 26.

How can I enter Safe 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 the Vega's hotkeys. (See page 17)
If you have set a password in alphabetic or alphanumeric characters, you will 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.
ensure that the Del key is not set to cursor mode. (See page 18)

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

Set the master volume to less than 80% of its maximum (which can conserve battery) or use an external speaker or headphones.

I charged the battery until the charge indicator went out after reinstalling Windows. However, the unit turns off after only one or two 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)

Vega continues to check the disk when booting.

If you copy files from PC to Vega in standby or hibernation mode, the unit performs checks the hard drives for consistency. (When you use Vega as an external hard drive, shut down the system first and then connect the unit.)

If Vega is shut down in an abnormal way, the system also performs the disk check operation. After rebooting the system:

Click "My Computer" → Right-click the D drive → Select "Properties" from the popup menu →

Select the "Tools" tab from the "Properties" window → Select "Check Now..." from Error-checking →

Check all disk check options in the disk check window → Select "Start"

automatic correction of errors in file system

Check bad sectors and try repair

If the drive being checked has contains the installation of XP then the system will automatically restart during this operation. This may take a while; do not interrupt the process and insure that your Vega is connected to external power.

www.raondigital.com

Please visit our website for greater details.