User's Guide

VC Model

This User's Guide contains information primarily specific to this computer, assuming that the user is able to perform basic Windows operations and understands how to use help in its installed applications to resolve problems. In this user's guide, unless specified, "Windows 8.1" refers to Windows® 8.1 Professional 64 bit system. Configuration and application installation should be conducted by a user who has administrator privileges. If a [User Account Control] screen comes up, please be sure to confirm the contents before continuing.

The information contained within this manual applies to the following models:

- VC Model: VC26M/C-H, VG26M/C-H

Note: For details about a model number, please see “Model number list” (p.25).

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Note: The illustrations, screenshots, icons, and on-screen text shown in this document may differ from the ones you actually encounter.
1 Checking Included Accessories

Checking that all included accessories are present

Please open up the box and check that all included items and accessories are there. Please immediately contact the place of purchase if any items happen to be missing or damaged.

1. Check contents of the box.

- 保修书 *1
- 修理サービス保証規定書 *3
- 安全使用说明 *1
- Instructions For Safe Use *2
- 安全にお使いいただくために *3
- NEC软件的使用条件【即EULA】（对顾客的特别提示）
  （请务必先仔细阅读如下内容后，决定是否打开本个人电脑的包装）*1
- Terms and Conditions for using software (For Customer)
  (Please read this before opening the package) *2
- ソフトウェアのご使用条件（お客様へのお願い） *3
- Base unit
- AC adapter
- User's Guide
- Power cord
- Application Disc
- Recovery Disc*2*3

*1: Included with model VC26M/C-H
*2: Included with model VG26M/C-H
*3: Included with model VG26M/C-H (Japanese version)

Note: The battery pack is installed in the computer. When removing or installing the battery pack, please refer to "Battery" (p.8).

2. Confirm that the model number and serial number on the base unit matches the model number and serial number written on the warranty.

If they happen to differ, please contact the place of purchase immediately. Please also keep your written warranty in a safe place for future reference.

If your encounter a breakdown during the warranty period, we shall provide repairs based on the conditions specified in the warranty. For repairs after the warranty period has expired, please consult the place of purchase or one of our specified customer service locations. If it is deemed possible to regain functionality, we are able to perform paid repairs at the customer's request.

2 Connecting Included Accessories

Important points when connecting

- Do not touch connector terminals when connecting any items. Failure to do so may cause damage.
- Connect the LAN cable, only after completing Windows setup and firewall configuration. Or, turn on the wireless LAN. This ensures that your computer can be safely connected to a network.

Connecting power sources

Connect the AC adapter.

1. Insert the AC adapter into the power input jack ( ).
2. Connect the power cord to the AC adapter.
3. Insert the other end of the power cord into a wall outlet.

When the AC adapter is connected, the battery will start to recharge and the battery recharge indicator ( ) will turn orange.

Once the battery is fully charged, the battery recharge indicator ( ) will turn off. Depending on the battery charging conditions, there are some cases where the battery recharge indicator ( ) does not illuminate. This happens when the battery has been charged to at least 95% capacity.
**3 Windows Setup**

When you first power up your new computer, it is necessary to perform Windows setup.

### Important points during setup

- **Always follow the procedure written in the manual.** Setup may not be able to be successfully completed if you omit any steps, press any keys other than the ones indicated on the screen, or operate any switches.
- **Do not connect any external peripherals.** Never connect any peripherals (printers, memory, etc.) other than the items outlined in "Connecting Included Accessories" (p.2). Please connect or install such peripherals after "Windows Setup" had been completed.
- **Do not connect a LAN cable and make sure that the wireless LAN is turned off.** To ensure safe network connection, only connect a LAN cable or turn on the wireless LAN after Windows setup and firewall configuration has been completed. In the factory default settings, the wireless LAN function is turned on and only 2.4 GHz is available. When using 5 GHz, please refer to "Configuring the wireless LAN" (p.13) for configuration changes.
- **Do not turn off the power during setup.** The setup program is running normally even if the screen appears to stop. Please keep following the steps in the manual.
- **Do not leave the computer alone during setup.** Do not leave the computer unattended until Windows setup has completed including passing all the screens which require your key operations, and power OFF.

### Preparation for setup

During Windows setup, you are required to enter the name of the person who will be using the computer (user name), as well as the computer name. Please choose these names in advance.

**Check:**

For the user name and computer name, use single-byte alphanumeric characters only (20 or less).

If the following symbols or if certain strings are used for any part of the user name or computer name, Windows setup may not be completed and some applications may not run correctly.

- Double-byte characters, single-byte Kana characters, non-standard characters, all symbols, spaces
- Restricted strings
  
  | CON, PRN, AUX, CLOCK$, NUL, COM1-COM9, LPT1-LPT9, NONE |

### Turning on the power

**Check:**

If the AC adapter is not properly connected, the power is not turned on by pressing the power switch when you first turn the power on. Check that the AC adapter is connected again.

1. Open the computer lid.

2. Press the power switch (√).

**Check:**

Never turn off the power during Windows setup. Turning off the power switch or pulling out the power cord in the middle of this process may lead to damage. If there is a problem or you accidentally press the power switch, please refer to "If you encounter problems during setup" (p.4).

### Setup Procedure

Start Windows 8.1 setup.

**Check:**

Please contact your system administrator for the appropriate settings in steps 1, 4 and 7.

1. When [Region and language] is displayed, set the [Time zone] and click [Next] to continue.

**Check:**

If you wish to change the [Country or region], [App language], or [Keyboard layout], after the setup process has finished, select [Clock, Language, and Region] from the [Control Panel] and change them.

2. Please check the contents when the [License terms] page is displayed.

3. After confirming the contents, click [I accept].

4. When the personal setting screen appears, select a desired color, enter the [PC name], and click [Next] to continue.
5 When the [Get online] screen appears, click [Skip this step].

6 When the setting screen appears, check the easy setup, and click [Use express settings].

7 Enter your user name and password when prompted and click [Finish].

The BIOS setup utility will then be displayed.

2 Use the number keys to enter the current hour (24 hour time format) and then press <Enter>.

3 Use the <Tab>, <↑>, and <↓> keys to move to desired position and in the same manner, set the rest of the time and date in the order of minutes, seconds, month, day, and year.

4 Press the <F9> key.

The BIOS setup utility will then be displayed.

5 Select [Yes] and then press <Enter>.

The BIOS setup utility should now be finished and Windows will automatically restart.

If the [Activate Windows] screen is displayed, activate the Windows system via the Internet or by phone call.

<Activation via Internet>

1 Click [Go to PC settings].

When the computer is connected to the Internet, the Windows system is activated automatically.

<Activation by phone call>

1 Click [Go to PC settings].

2 Click [Activate by phone].

Follow the on-screen instructions and call the indicated phone number to obtain the confirmation ID. Activate the Windows system using the confirmation ID.

Creating multiple hard disk partitions

As a default setting, the first internal hard disk has only one useable partition (volume), designated as the C: drive.

However, it is possible to divide drive C: into multiple partitions. Please refer to the following steps if you would like to change the factory default settings and reduce the size of the C: drive in order to create a new partition from the resulting unassigned space.

1 Click [Desktop] on the start screen.

2 Display the charm bar on the desktop, and click [Settings].

3 Click [Control Panel].

4 Click [System and Security] and then [Administrative Tools].
5 Double click [Computer Management].

6 On the tree displayed on the left side of the window, click [Storage] → [Disk Management].

7 Select the volume marked as (C:) and right click it.

8 Click [Shrink Volume].

9 Enter the desired size into the [Enter the amount of space to shrink in MB] box. The size entered here will become the maximum size of the newly created partition.

10 Click [Shrink].

11 After shrinking is complete, select the unassigned space that has been reserved, and right click it.

12 Click [New Simple Volume].

13 Click [Next].

14 Enter the desired volume size into the [Simple volume size in MB] box and click [Next].

15 Confirm that [Assign the following drive letter] is selected and click [Next].

16 Confirm that [Format this volume with the following settings] is selected and click [Next].

17 Click [Finish].

☑ Check
- Do not select [Mark Partition as Active] for the newly created partition.
- It is not possible to shrink the [Recovery Partition].

Note
- It is possible to change the drive letter if necessary.
- Depending on the system environment, there may be some cases where [Shrink Volume] is not possible.

Reference

Creating a "Recovery Drive"

We recommend that a "Recovery Drive" be created for times when problems such as corrupted files result in Windows not loading correctly.

For creation of "Recovery Drive," please refer to "Creating a recovery drive" (p.24). For information on using "Recovery Drive," please refer to "Using the Windows function" → "If the computer does not start up" (p.22).

☑ Check
- If you are using model VG26M/C-H, you cannot create a recovery drive. If Windows does not start normally, set up the system again using the included "Recovery Disc".

Windows® Update and Microsoft® Update

The latest updates and important updates are available through Windows® Update or Microsoft® Update. Please run Windows® Update or Microsoft® Update regularly to ensure you always have the latest version of Windows installed.

☑ Check
- Your computer has been delivered to with the all current updates already installed. Please do not attempt to uninstall these updates as it may cause issues that have already been resolved to reappear.
Knowing the Parts

Names and descriptions of your computer's major parts:

◆ The front and right sides:

(1) LCD display: This is the computer's display.
(2) Status LEDs: These indicate various states of the computer.
(3) Power switch: This is used to turn the computer on/off or change the power state.
(4) Keyboard: Used to input characters and to control programs.
(5) The NX Pad: Used for moving the mouse cursor and clicking objects in Windows.
(6) Speaker: This is the built-in stereo speaker.
(7) Security lock: A security cable can be attached to this slot.
(8) DC power input: Used to connect to the supplied AC adapter.
(9) Air vent: These holes are designed to allow internal heat to escape. Avoid covering them with materials such as hands or clothes.
(10) Line out/Headphone shared output jack: Provides audio output when regular headphones or an audio system is connected.
(11) External display output: This is used to allow viewing on externally connected displays or projectors.
(12) LAN port: This is used to connect to a LAN (Local Area Network).
(13) Memory slot: Used to install an expansion RAM board.
(14) Battery lock: This locks the battery pack in place to prevent it from falling out. It must be unlocked in order to remove the battery.
(15) Battery eject lever: This is used when you want to remove the battery pack. Please use it after releasing the battery lock.
(16) Battery pack: This rechargeable battery is used when there is no access to an AC external power supply.
(17) Optical drive (models with optical drives only): Some models have an internal DVD SuperMulti Drive. It can read data from DVD and CD media, and on some models, it can write data to DVD-R and CD-R media.
(18) HDMI port: This is used to connect to HDMI compatible wide-screen televisions or external displays that are equipped with a HDMI port.

◆ The back and left sides:

◆ The bottom:

Explanation of Components

<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>LCD display</td>
<td>This is the computer's display.</td>
</tr>
<tr>
<td>(2)</td>
<td>Status LEDs</td>
<td>These indicate various states of the computer.</td>
</tr>
<tr>
<td>(3)</td>
<td>Power switch</td>
<td>This is used to turn the computer on/off or change the power state.</td>
</tr>
<tr>
<td>(4)</td>
<td>Keyboard</td>
<td>Used to input characters and to control programs.</td>
</tr>
<tr>
<td>(5)</td>
<td>The NX Pad</td>
<td>Used for moving the mouse cursor and clicking objects in Windows.</td>
</tr>
<tr>
<td>(6)</td>
<td>Speaker</td>
<td>This is the built-in stereo speaker.</td>
</tr>
<tr>
<td>(7)</td>
<td>Security lock</td>
<td>A security cable can be attached to this slot.</td>
</tr>
<tr>
<td>(8)</td>
<td>DC power input</td>
<td>Used to connect to the supplied AC adapter.</td>
</tr>
<tr>
<td>(9)</td>
<td>Air vent</td>
<td>These holes are designed to allow internal heat to escape. Avoid covering them with materials such as hands or clothes.</td>
</tr>
<tr>
<td>(10)</td>
<td>Line out/Headphone shared output jack</td>
<td>Provides audio output when regular headphones or an audio system is connected.</td>
</tr>
<tr>
<td>(11)</td>
<td>External display output</td>
<td>This is used to allow viewing on externally connected displays or projectors.</td>
</tr>
<tr>
<td>(12)</td>
<td>LAN port</td>
<td>This is used to connect to a LAN (Local Area Network).</td>
</tr>
<tr>
<td>(13)</td>
<td>Memory slot</td>
<td>Used to install an expansion RAM board.</td>
</tr>
<tr>
<td>(14)</td>
<td>Battery lock</td>
<td>This locks the battery pack in place to prevent it from falling out. It must be unlocked in order to remove the battery.</td>
</tr>
<tr>
<td>(15)</td>
<td>Battery eject lever</td>
<td>This is used when you want to remove the battery pack. Please use it after releasing the battery lock.</td>
</tr>
<tr>
<td>(16)</td>
<td>Battery pack</td>
<td>This rechargeable battery is used when there is no access to an AC external power supply.</td>
</tr>
<tr>
<td>(17)</td>
<td>Optical drive (models with optical drives only)</td>
<td>Some models have an internal DVD SuperMulti Drive. It can read data from DVD and CD media, and on some models, it can write data to DVD-R and CD-R media.</td>
</tr>
<tr>
<td>(18)</td>
<td>HDMI port</td>
<td>This is used to connect to HDMI compatible wide-screen televisions or external displays that are equipped with a HDMI port.</td>
</tr>
</tbody>
</table>
### Number | Name | Explanation
--- | --- | ---
19 | Microphone input jack | A regular microphone can be connected to provide audio input.
20 | USB 3.0 port | This port can be used to connect to USB devices. This USB port supports USB 3.0, USB 2.0, and USB 1.1. In order to take advantage of USB 3.0 transfer speeds, it is necessary to be connected to a USB 3.0 enabled device.
21 | PC card slot | This slot accepts all common PC cards.
22 | PC card eject button | Used to remove PC cards from the slot.
23 | SD memory card slot | This slot accepts "SD memory card", "SDHC memory card", and "SDXC memory card".
24 | Webcam | Used for video conferencing, etc. While the webcam is in use, the indicator light on the side of the webcam is on.
25 | Internal microphone | This can be used for video conferencing, etc. While you are using this microphone for recording, it is not possible to play back what you are recording through speakers at the same time.
26 | USB port (supports USB 3.0, Power Off USB Power Charge function) | This port can be used to connect to USB devices. This USB port supports USB 3.0, USB 2.0, and USB 1.1. In order to take advantage of USB 3.0 transfer speeds, it is necessary to be connected to a USB 3.0 enabled device. This port also supports the Power Off USB Power Charge function. When charging a device connected by a USB cable, the device can still be charged even when the power of the computer is turned off. In order to use this function, it is necessary to configure settings on the BIOS setup utility menu.
27 | Wireless switch | This switch turns wireless LAN functionality on and off.

### Status LEDs

#### Power LED
- **LED state** | **Computer State**
- | |
- Blue | On: Computer power on
- | Flashing: Sleep
- Orange | On: Low battery
- | Flashing¹: Low battery during sleep
- | Quickly flashing²: Extremely low battery
- Off: Computer power off, or hibernating

*¹: Flashes about once every three seconds.
*²: Flashes about once every two seconds.

#### Battery recharge LED
- **LED state** | **Computer State**
- | |
- Orange | On: Battery recharging
- | Flashing: Battery error¹
- Off: The battery pack or AC adapter is unplugged, or the battery is fully charged.²

*¹: Battery recharging error, battery life, or deterioration error.
*²: When the battery is fully charged, or nearly fully charged, there are some cases where the LED does not turn on and the battery is no longer charged.

#### SD memory card slot access LED
- **LED state** | **Computer State**
- | |
- On (Green): The card in the SD memory card slot is currently being accessed
- Off: Not currently being accessed

#### Drive activity LED
- **LED state** | **Computer State**
- | |
- On (Green): The hard disk or optical drive is currently accessing data.
- Off: The hard disk or optical drive is not currently accessing data.
Num Lock indicator LED

<table>
<thead>
<tr>
<th>LED state</th>
<th>Computer State</th>
</tr>
</thead>
<tbody>
<tr>
<td>On (Green)</td>
<td>&lt;Num Lock&gt; is on (Part of the keyboard can be used as a numeric keypad)</td>
</tr>
<tr>
<td>Off</td>
<td>&lt;Num Lock&gt; is off</td>
</tr>
</tbody>
</table>

Caps lock indicator LED

<table>
<thead>
<tr>
<th>LED state</th>
<th>Computer State</th>
</tr>
</thead>
<tbody>
<tr>
<td>On (Green)</td>
<td>&lt;Caps Lock&gt; is on (All letters are entered as capital letters)</td>
</tr>
<tr>
<td>Off</td>
<td>&lt;Caps Lock&gt; is off (All text input is lowercase letters)</td>
</tr>
</tbody>
</table>

Battery

Check:
- Never touch the battery slot terminals. It may cause contact failure.
- Before installing or removing the battery pack, disable the "Fast Startup" function. For more detailed information, please refer to "Disabling the "Fast Startup" function" (p.24).

Battery pack removal

Please remove the battery pack according to the following illustration.

[Diagram of battery removal process]
Battery pack installation
Please install the battery pack according to the following illustration.

6 Keyboard

Using the keys

Hotkeys (Using <Fn>)
By pressing the function key <Fn> in combination with another key, you can easily change common computer settings. These functions are called "Hotkeys".

<table>
<thead>
<tr>
<th>Key Sequence</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;Fn&gt; + &lt;F1&gt;</td>
<td>Turns the sound on and off (mute) (静音)</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;F3&gt; *1</td>
<td>Switch the screen that is displayed (切换显示)</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;F8&gt;</td>
<td>Decreases the screen brightness (减少亮度)</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;F9&gt;</td>
<td>Increases the screen brightness (增加亮度)</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;F10&gt;</td>
<td>Decreases the volume (降低音量)</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;F11&gt;</td>
<td>Increases the volume (提高音量)</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;F12&gt; *2</td>
<td>&lt;Scr Lock&gt; *2 Scroll lock</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;Pause&gt;</td>
<td>Break</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;Delete&gt;</td>
<td>&lt;Fn&gt; + &lt;Prt Scr&gt; System request</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;I&gt;</td>
<td>Page up</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;I&gt;</td>
<td>Page down</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;→&gt;</td>
<td>Home</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;→&gt;</td>
<td>End</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;Insert&gt;</td>
<td>&lt;Prt Scr&gt; Print screen</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt;Space bar&gt; *3</td>
<td>Turns the NX pad on and off.</td>
</tr>
<tr>
<td>&lt;Fn&gt; + &lt; &gt; Right &lt; &gt;</td>
<td>Right windows</td>
</tr>
</tbody>
</table>

*1: This function is disabled if the external display is not connected.
*2: This setting is canceled when the computer power is turned off or restarted.
*3: This function is disabled if the NX pad driver is changed to the "Standard PS/2 port mouse."
The NX Pad

This section covers the NX pad usage and extended feature settings, as well as the driver update process.

Using NX Pad

When settings are at the factory default values, the following operations can be performed with the NX pad.

<table>
<thead>
<tr>
<th>Operation name</th>
<th>NX pad operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move the mouse</td>
<td>Touch the pad and move your finger in the direction you want to move the mouse pointer to.</td>
</tr>
<tr>
<td>pointer</td>
<td></td>
</tr>
<tr>
<td>Click</td>
<td>Press and immediately release any part of the pad except the lower right part.</td>
</tr>
<tr>
<td>Right click</td>
<td>Press and immediately release the lower right part of the pad. You may also press and immediately release the pad with two fingers.</td>
</tr>
<tr>
<td>Double click</td>
<td>Move the pointer to an icon or folder, and quickly click twice.</td>
</tr>
<tr>
<td>Drag</td>
<td>Move the pointer to an icon or a folder, press the pad, and move your finger on the pad while continuing to press the pad.</td>
</tr>
<tr>
<td>Scroll</td>
<td>Click the application window displaying the scroll bar and touch two points on the pad. The two points should be slightly far from each other. Move your two fingers in the direction you want to move the scroll bar to.</td>
</tr>
<tr>
<td>Zoom</td>
<td>Click the application window that you want to zoom in to or zoom out from, and touch two points on the pad. While keeping your fingers in the same place, you can zoom in or zoom out by widening or narrowing the distance between your fingers.</td>
</tr>
<tr>
<td>Rotate</td>
<td>Click the application window that you want to rotate, and touch two points on the pad. While keeping your fingers in the same place, rotate and twist the two fingers.</td>
</tr>
</tbody>
</table>

Note: Tapping a fingertip against the pad results in a click. Quickly tapping the pad twice results in a double-click. Tapping the pad to produce a click or double-click is called “tapping” or “double tapping”. If you tap the pad with the pointer aligned on the target, and then touch the pad again and move your finger, this operation will result in a drag.

Configuring NX pad

Configuration of the NX pad buttons, pointer behavior, and extended features is done using the [Mouse Properties] window.

1. Click [Desktop] on the start screen.
2. Display the charm bar on the desktop, and click [Settings].
3. Click [Control Panel].
4. Click [Hardware and Sound], and click [Mouse] in [Devices and Printers]. The [Mouse Properties] window should come up. Click on each tab in the [Mouse Properties] window to change the NX pad settings.

Check: Scroll, zoom, and rotation are not supported by some applications.
8 Switching Display Outputs

Display outputs can be switched using the keyboard.

☑ Check: Do not use this operation if the external display is not connected.

1  Press <Fn> + <F3> keys.

Available outputs are displayed.

<table>
<thead>
<tr>
<th>Screen output</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC screen only</td>
<td>Computer's LCD display</td>
</tr>
<tr>
<td>Clone</td>
<td>Clone mode using the computer’s LCD display and the external display</td>
</tr>
<tr>
<td>Expanded display</td>
<td>Dual display using the computer’s LCD display and external display *</td>
</tr>
<tr>
<td>Second screen only</td>
<td>External display</td>
</tr>
</tbody>
</table>

* Displayed either on the external display connected to the external display port or on the external display connected to the HDMI port.

2  Select an output using <↑> or <↓> key, and press <Enter>.

The display output is switched.

9 LAN Function

This section covers important points and the correct procedure for setting up the LAN (Local Area Network) function.

LAN settings

The following provides a simple explanation about how to perform network setup in order to connect to a LAN.

Setting up a network connection

Network connection settings can be changed by going to the [Control Panel] and clicking [Network and Internet] → [View network status and tasks] → [Change adapter settings].

For more detailed information, please refer to Windows help.

The following step allows you to change settings such as the computer name.

Setting the computer name and network to connect to

You can change settings related to the connected network and change the name of your computer as it is displayed on the network by opening the [Control Panel] and clicking [System and Security] → [System], and then selecting [Change settings] under [Computer name, domain, and workgroup settings].

For more detailed information, please refer to Windows help.

This is all you need to do to correctly setup your LAN.

Remote power on (WoL - Wake on LAN)

Remote Power On (WoL - Wake on LAN) can allow you to do the following.

- Remotely turn your computer on after the power is off.
- Remotely wake up your computer after sleep or hibernate.

If you configure your computer to allow WoL, the LAN adapter stays active, even when the computer power is off.

A special packet (Magic Packet) that instructs your computer to turn on can be transmitted from a remote administrator’s PC. When this packet is received by the computer’s dedicated controller, it triggers the power to be turned on.

This allows you to be able to remotely turn your computer’s power on or wake it up from sleep or hibernate from an administrator’s PC when your computer has a LAN connection.
How to configure your computer to allow WoL from when the power is turned off

The following steps can be used to configure your computer to allow WoL from when the power is turned off.

1. Turn the power on and immediately press <F2> key several times.
   The BIOS setup utility will then be displayed.
3. Press the <F10> key.
4. Confirm that [Yes] is selected and then press <Enter>.
   These setting values are saved, the BIOS setup utility will finish, and your computer will restart.

Configuration is now complete.

How to configure your computer to allow WoL from sleep or hibernate mode

Specify the following settings in [Device Manager] -> [Network adapter].
Double click [Network adapter], and double click the displayed LAN adapter.
Check the following items in the [Power Management] tab.
- [Allow the computer to turn off this device to save power.]
- [Allow this device to wake the computer.]
- [Only allow a magic packet to wake the computer.]

Setup is now complete.

Network booting function (PXE)

This enables booting via a network, and remote connection to your computer from an administrator’s PC which allows you to do the following.
- Operating system installation
- BIOS flashing (Rewriting the BIOS ROM)
- BIOS configuration changes

As this computer has the UEFI function, it is necessary to change the network boot server to use the UEFI.

Configuring the BIOS setup utility to enable network booting.

1. Turn the power on and immediately press <F2> key several times.
   The BIOS setup utility will then be displayed.
2. In the [Advanced] menu, set [Network Boot Agent] to [Enabled].
4. Press the <F10> key.
5. Confirm that [Yes] is selected and then press <Enter>.
   These setting values are saved, the BIOS setup utility will finish, and your computer will restart.

This is all you need to do to correctly setup network booting.

Check

- In order to enable WoL, it is necessary to install special software on the administrator’s PC to allow sending of Magic Packets.
- When using the WoL, disable the "Fast Startup" function. For more detailed information, please refer to "Disabling the "Fast Startup" function" (p.24).
- It is not possible to use WoL in cases where the previous system shutdown (power off, sleep, or hibernate) was not correctly completed. If this is the case, please turn the power back on, restart Windows, and once again perform a system shutdown using the correct procedure.
- WoL cannot be used with a hub that only supports a speed of 1000 Mbps. Please use a hub that supports 10M/100M/1000M Auto-negotiation.
- When using WoL, please ensure that the AC adapter is plugged into your computer when in hibernation or turned off.

- In order to enable WoL, it is necessary to install special software on the administrator’s PC to allow sending of Magic Packets.
- When using the WoL, disable the "Fast Startup" function. For more detailed information, please refer to "Disabling the "Fast Startup" function" (p.24).
- It is not possible to use WoL in cases where the previous system shutdown (power off, sleep, or hibernate) was not correctly completed. If this is the case, please turn the power back on, restart Windows, and once again perform a system shutdown using the correct procedure.
- WoL cannot be used with a hub that only supports a speed of 1000 Mbps. Please use a hub that supports 10M/100M/1000M Auto-negotiation.
- When using WoL, please ensure that the AC adapter is plugged into your computer when in hibernation or turned off.
Turning the wireless LAN on/off

The following methods can be used to turn the wireless LAN on and off.

- Turning all wireless devices on and off
- Turning the wireless LAN function only on and off

**Check**

- Your wireless LAN on/off setting is saved, even after the computer power has been turned off.
- If a peripheral wireless LAN module is connected, its wireless LAN function is also turned on and off.

Turning all wireless devices on and off

You can turn all wireless functions on and off including wireless LAN function.

Turning the wireless LAN on and off with the wireless switch

You can switch the wireless function on and off, using the wireless switch of the computer.

Turning the wireless LAN on and off by selecting the "Airplane mode"

You can turn wireless functions on and off using the standard Windows function. Click the Network icon in the task bar notification area, and select the "Airplane mode" to switch the wireless functions on and off. For more detailed information, please refer to Windows help.

Turning the wireless LAN function only on and off

You can turn on or off the wireless LAN function only.

**Check**

- Your wireless LAN on/off setting is saved, even after the computer power has been turned off.
- If a peripheral wireless LAN module is connected, its wireless LAN function is also turned on and off.

Configuring the wireless LAN

The following explanation is for connecting to a wireless LAN access point that broadcasts its network name (SSID).

1. Confirm that your computer's wireless LAN function is turned on.
2. Click the Network icon in the task bar notification area.
3. A list of network names (SSID) and signal state should come up.
4. Click on the network name (SSID) of the wireless LAN access point that you would like to connect to.
5. Click [Connect] after confirming that the [Connect automatically] checkbox is selected.

**Note** The automatic connection settings can be changed any time when desired.

If a window comes up asking for a [Security key], enter the security key of the network you are connecting to and click [Next] to continue.

Follow the on-screen instructions for the procedure. Configuration is now complete.
11 Memory

Installing memory

**Check**

Before installing or removing memories, disable the "Fast Startup" function. For more detailed information, please refer to "Disabling the "Fast Startup" function" (p.24).

1. Remove the battery pack.
2. Use a Phillips screwdriver to remove the screws shown in the diagram below. The memory slot cover should then come off.

![Memory slot cover](image)

3. Align the notched part of the memory with the protrusion of the connector, and insert the memory at about a 30 degree angle relative to the connector until the memory terminals click.

![Notch and Protrusion](image)

When inserting the memory, these parts move outward. Once the memory is locked, they move back to the original positions. Make sure that both sides are locked and that the memory is fixed in the connector correctly.

4. Return the memory slot cover to its original position and reinsert the screws into the bottom of the unit.

![Memory slot cover return](image)

Your new memory should now be ready to use.

**Note** Please refer to the following diagram when removing memory.

![Memory slot cover removal](image)
System Configuration

The BIOS setup utility

Check / Do not turn your computer off with the power switch while in the BIOS setup utility. When turning the power off, be sure to either exit the BIOS setup utility and shutdown your computer from the Windows menu after Windows has loaded, or turn the power off after selecting [Save Changes and Power Off] from the [Exit] menu when you wish to save the new settings.

Check / To change the [Advanced] menu settings, select [Power] and [Restart] from the charm bar. When the computer is restarted, call the BIOS setup utility.

1 Turn the power on and immediately press <F2> key several times. The BIOS setup utility will then be displayed.

Check / If you have trouble entering the BIOS setup utility, please try to vary the timing when pressing the <F2> key.

Entering the BIOS setup utility

BIOS setup utility basic operation

The BIOS setup utility is configured and controlled with the keyboard. The following is a list of the main keys used.

<table>
<thead>
<tr>
<th>Key</th>
<th>Function/Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;left&gt;</td>
<td>Used to select menu bars such as [Main], or [Advanced].</td>
</tr>
<tr>
<td>&lt;right&gt;</td>
<td></td>
</tr>
<tr>
<td>&lt;up&gt;</td>
<td>Used to select items to be configured.</td>
</tr>
<tr>
<td>&lt;down&gt;</td>
<td>In cases where possible configuration values are listed on the screen, these keys are used to select the desired value.</td>
</tr>
<tr>
<td>&lt;Enter&gt;</td>
<td>Brings up a list of possible configuration values for the current item or displays the selected menu. It is also used to select a setting value and close the menu.</td>
</tr>
<tr>
<td></td>
<td>· Displays the sub-menu for items that are highlighted with a ▶ symbol.</td>
</tr>
<tr>
<td></td>
<td>· Moves digits when entering the [System Time] and [System Date].</td>
</tr>
<tr>
<td>&lt;Esc&gt;</td>
<td>Exits the BIOS setup utility without saving the settings.</td>
</tr>
<tr>
<td></td>
<td>· Returns to the previous screen when a sub-menu is displayed.</td>
</tr>
<tr>
<td>&lt;F9&gt;</td>
<td>Returns all BIOS setup utility setting values to their factory default settings.</td>
</tr>
<tr>
<td>&lt;F10&gt;</td>
<td>Saves any changes and restarts the computer.</td>
</tr>
<tr>
<td>&lt;Tab&gt;</td>
<td>Moves digits when entering the [System Time] and [System Date].</td>
</tr>
</tbody>
</table>

Restoring default factory setting values

Please follow these steps to restore your system to the default factory settings.

1 Enter the BIOS setup utility.
2 Press the <F9> key.
   A confirmation screen should be displayed.
   Press the <Esc> button to cancel and exit.
3 Confirm that [Yes] is selected and then press <Enter>.
   This will load the default factory setting values.
4 Press the <F10> key.
   A confirmation screen should be displayed.
5 Confirm that [Yes] is selected and then press <Enter>.
   These setting values are saved, the BIOS setup utility will finish, and your computer will restart.

Configuration is now complete.
Security Chip Function

Outline

- The security chip function is only enabled for model VG26M/C-H.
- The security chip does not guarantee complete protection of data or hardware. Always exercise appropriate caution when managing and handling important data.
- In addition to the security chip function, we recommend configuring supervisor and user passwords to the BIOS setup utility.
- When performing computer recovery, reinstalling the operating system, or using a separately sold operating system, initialize the security chip before enabling it.

Before sending your computer for repair

When you send your computer for repair, please be sure to cancel supervisor and user password settings for the BIOS setup utility and initialize the security chip to prevent information from being divulged.

If the Windows BitLocker drive encryption is used, first disable it and then initialize the security chip.

1. Turn the power on and immediately press <F2> key several times. The BIOS setup utility will then be displayed.
3. Confirm that [Current TPM State] is set to [Enabled&Activated]. If [Current TPM State] is not set to [Enabled&Activated], enable the security chip in the procedure of "Enable the security chip", and then initialize the security chip.
4. Set [Change TPM State] to [Clear].
5. Press the <F10> key. A confirmation message is displayed.
6. Select [Yes] and then press <Enter>. The settings are saved and the BIOS setup utility exits.
7. When a confirmation screen is displayed after the computer restarts, press <Shift> + <F10>. The settings are saved and the computer restarts.

Enable the security chip

After initializing the security chip, carry out the following procedure to enable it for use again.

1. Turn the power on and immediately press <F2> key several times. The BIOS setup utility will then be displayed.
3. Confirm that [TPM Support] is set to [Enabled]. If it is set to [Disabled], please change it to [Enabled].
4. Set [Change TPM State] to [Enable&Activate].
5. Press the <F10> key. A confirmation message is displayed.
6. Select [Yes] and then press <Enter>. The settings are saved and the BIOS setup utility exits.
7. After the Windows system has started, restart the computer. The features of the security chip are now enabled.

Check:

You can reset security chip feature settings by setting [Change TPM State] to [Clear]. Therefore, we recommend you set up a supervisor password/user password before you use security chip features so that a higher level of security can prevent a third party from resetting security chip feature settings.
Applications

Microsoft® Office Single Image v15

Microsoft® Office Single Image v15 is installed on this computer. To use Microsoft® Office, you need to purchase a product key separately.

Check:

“Microsoft® Office Single Image v15” is installed only at the time of shipment from the factory. If you perform a recovery, it will no longer be installed. If you wish to use the Microsoft® Office, purchase it from the Microsoft® website.

Battery tool

By using the “Battery tool”, you can automatically perform battery refresh, performance diagnostics and battery refresh diagnostics.

Starting the Battery tool

Start the Battery tool as follows.

1. Click \(\square\) on the start screen, and then click [Battery tool] on the application screen.
2. When a general explanation screen for battery refresh and performance diagnostics is shown, click [Next].

Note

- By checking [Do not display this dialog box on startup.] and clicking [Next], the general explanation screen will not be shown at the next start up.
- The general explanation screen is also displayed by clicking [Read first] after [Battery tool] starts up.

Performing Battery Refresh and Performance Diagnostics

For battery refresh and performance diagnostics, perform the following steps.

Check:

When performing battery refresh and performance diagnostics, the battery and the AC adapter must be connected.

1. Start [Battery tool].
2. Click [Start].
   A confirmation screen will be displayed.
3. After confirming the contents, click [Yes].
   Battery refresh will start.
   After battery refresh is complete, performance diagnostics will start.

Note

On the Confirmation screen or the executing screen, checking [Enter sleep status automatically after completed.] will put the computer into sleep mode after battery refresh and performance diagnostics is completed.

Check:

- To abort battery refresh, click [Stop], and follow the instructions on the screen. Also, if battery refresh is aborted, performance diagnostics will not be performed.
- If the [Battery status] is [Deteriorative], the battery pack should be replaced.
- If the [Battery status] is [Warning], replace the battery pack. Also, the battery pack cannot be charged or refreshed for safety reasons.

Uninstall

Go to the [Control Panel], click [Programs] → [Uninstall a program], then select [Battery tool] and click [Uninstall].
Follow the instructions on the screen for the procedure.

Reinstall

When reinstalling the uninstalled [Battery tool], perform the following steps.

1. Insert the “Application Disc” into the optical drive.
2. Click \(\square\) on the start screen, and click [Run] on the application screen.
3. Enter the following in the [Open] dialog and then click [OK].
   D:\NECBATT\w81\UTL\setup.exe

Note

If the optical drive is not specified as "D", change the "D" to the appropriate drive specification.

4. When [Welcome to the Battery tool Setup Wizard] is displayed, click [Next].
If the [Battery tool Files in Use] screen is displayed, click [NEC Battery Tool-Scheduler (Process Id:XXXX)], and then click [Continue].

When the [Installation Complete] screen is displayed, click [Close].

When the restart prompt is displayed, remove the "Application Disc" from the optical drive, follow the instructions on the screen, and then restart the computer.

Following the above steps will complete the reinstallation of "Battery tool".

### Deleting Data from the Hard Disk

**Check**

If the prompt is not displayed, remove the "Application Disc" from the optical drive and restart Windows.

**How to Delete Data from the Hard Disk**

1. Turn the power on and immediately press <F2> key several times. The BIOS setup utility will then be started.
2. When the BIOS setup utility is displayed, quickly insert the "Recovery Disc" into the optical drive.
3. Press the <F10> key.
4. Confirm that [Yes] is selected and then press <Enter>.
5. Turn on the power and immediately press <F2> key several times. The BIOS setup utility will then be started.
6. From the [Boot Override] option, select the optical drive using <↑> or <↓> key, and press <Enter>.
7. When the [Windows Recovery] screen is displayed, select [Erase data on the hard disk], and press <Enter>.
8. When [Data stored on the hard disk will be erased. Are you sure to continue?] is displayed, select [Yes] and then press <Enter>.
9. Select the hard disk for data deletion and click [Next].
10. Select a data deletion method, and click [OK].
11. When [Starting to erase HDD data. Is it OK?] is displayed, click [Yes].
12. When [Completed] is displayed, click [OK].
13. Remove the "Recovery Disc" from the optical drive and press <Enter>.

By using this method it is not guaranteed that the data cannot be completely recovered.

**Check**

Remove peripheral devices (excluding the optical drive), return to the state at the time of purchase.

**Note** The [Boot Override] is contained in the [Exit] option.

Data can be deleted from the computer in the following 3 ways.

- **Simple mode (1 time erasure)**
  
  Overwrites "00" data entirely from the hard disk.

- **NSA-introduced mode (3 times erasure)**
  
  Deletes data from the hard disk in a method compliant to the U.S. Defense NSA Standard. The data is deleted effectively by writing random data 1, then random data 2, then "00" data 3 times in order and then deleting it 3 times. However, since the data is written 3 times, it takes 3 times longer than simple mode for deletion to be completed.

- **DoD-introduced mode (3 times erasure + Verify)**
  
  Deletes data from the hard disk in a method compliant to the U.S. Department of Defense Standard. "00", "FF", and "random value" is written in order, and verifies that the final random data is written correctly. Effective deletion is performed by deleting 3 times. However, since the data is written and verified 3 times, it takes 4 times or longer than when in simple mode.

Following the above steps will complete data deletion on the hard disk.
HDD Active Protection System

Using the HDD Active Protection System will reduce the risk of damage to the hard disk by returning the head of the hard disk to a safe position when the detection sensor detects acceleration or vibrations from the computer falling, or other similar movement. Also, using the HDD Active Protection System setting utility, the hard disk protection function of the HDD Active Protection System can be temporarily disabled and the sensitivity of the detection sensor can be adjusted.

Function Details, Operation Method, and Limitations

Help of HDD Active Protection System (Click on the start screen, and from the [Control Panel] of application screen, select [System and Security] → [NEC-Airbag Protection], and click [Help] in the opened window.)

Boot Method

1. Click on the start screen, and from the [Control Panel] of the application screen, select [System and Security] → [NEC-Airbag Protection].

The HDD Active Protection System setting utility will be displayed.

Precautions

- HDD Active Protection System will reduce the risk of damage to the hard disk when the computer detects that it has been tilted, dropped, or otherwise moved abruptly by returning the head of the hard disk. However, there is no guarantee that the hard disk will be completely protected from failure or corruption. It is recommended that important data be backed up frequently.
- When an impact is detected, the hard disk head will be returned and the computer will not perform operations. Wait a few seconds for the head to return back into position.

Install

1. Start Windows.
2. Insert the "Application Disc" into the optical drive.
3. Click on the start screen, and click [Run] on the application screen.
4. Enter the following in the [Open] dialog and then click [OK].
   D:\APS\setup.exe
5. When [InstallShield Wizard Completed] is displayed, click [Finish].
6. Click [No] on the [HDD Active Protection System Installer Information] screen.
7. Remove the "Application Disc" from the optical drive and restart Windows.

Now, the HDD Active Protection System has been installed.

Uninstall

From the [Control Panel], select [Programs] - [Uninstall a program]. Then, select [HDD Active Protection System] and click [Uninstall]. Follow the instructions on the screen for the procedure.
Recovery Basics

Here we will explain the basics before recovery. Please read this before performing recovery.

Required Materials

When recovering from a DVD, the following materials are required. Prepare all of the materials before starting the process.

- Recovery Disc

✓ Check:

The Recovery Disc is not included with model VC26M/C-H.

Backup Data from the Hard Disk

Before recovery, if there is data that you would like to maintain, make a backup of the data and then perform recovery.

✓ Check:

For multi-user computers, each user should logon and make personal backups.

Maintain System Settings

Once recovery is performed, all the settings including system configuration will be reset to the factory default settings. If you would like to use the current settings again after recovery, such as BIOS setup utility settings and network settings, make a note of the current settings.

Returning the BIOS Utility Settings to the Original Values

Before recovery, please be sure to load the factory default settings for the BIOS setup utility.

✓ Check:

If you are using the security chip function on the VG26M/C-H, be sure to initialize the security chip using the BIOS setup utility before the computer recovery.

For the security chip initialization, please refer to "Before sending your computer for repair" (p.16).

Precautions during Recovery

Follow the following precautions during recovery.

Follow the steps in the manual and on the recovery screen

During recovery, be sure to follow the steps in this manual and on the recovery screen. Missing a step, pressing a key other than the indicated key, or changing the procedure may result in improper recovery.

✓ Check:

- Recovery cannot be performed via battery power. Please be sure to connect the AC adapter and connect the power cord to the AC outlet.
- If you are using model VG26M/C-H, you can carry out the setup process again only by using the "Recovery Disc".
- If you are using model VC26M/C-H, you can carry out the setup process again only by using the "Recovery Drive".

Turn ON the wireless LAN function

Confirm that the wireless LAN function is ON. If it is turned off, please turn it back on before recovery.

Disconnect peripheral devices

Disconnect peripheral devices to return to the state at time of purchase (excluding the optical drive used for recovery).

✓ Check:

If the computer's LAN cable is connected, disconnect it before recovery.

Turning on the power

Please wait at least five seconds before turning the power on again. If the power shutdown resulted from removing the power cord plug from the AC outlet or a tripped circuit breaker, please wait for at least 90 seconds with the power cord unplugged from the AC outlet, reconnect the power cord plug to the AC outlet, and then turn the power on again.

Do not interrupt recovery

Do not interrupt the recovery process once it has started. The setup program is running normally even if the screen appears to stop, so please wait without interrupting the recovery. If you interrupt, the recovery may not be performed correctly, so you have to start over from the beginning.
When recovery cannot be performed

If [Recovery could not be completed.] is displayed, it is possible that model information was written incorrectly. Please contact our repair facilities.

Do not leave the computer alone during recovery

Do not leave the computer unattended until the recovery has completed including passing all the screens that require your key operations, and power OFF.

Computer recovery

Perform computer recovery.

There are two setup options: recovery using the "Recovery Disc", and that using the Windows function.

✓ Check!/!

- Recovery cannot be performed via battery power. Please be sure to connect the AC adapter and connect the power cord to the AC outlet.
- If you are using model VG26M/C-H, you can only carry out the setup process using the "Recovery Disc".
- If you are using model VC26M/C-H, you can only carry out the setup process using the Windows function.

Using the "Recovery Disc"

Recover the computer using the DVD (Recovery Disc).

✓ Check/!

Be sure to start operations with the computer's power turned OFF.

1 Turn the power on and immediately press <F2> key several times. The BIOS setup utility will then be started.

2 When the BIOS setup utility is displayed, insert the "Recovery Disc" into the optical drive.

3 Press the <F10> key.

4 Confirm that [Yes] is selected and then press <Enter>.

5 Turn on the power and immediately press <F2> key several times. The BIOS setup utility will then be started.

6 From the [Boot Override] option, select the optical drive using <↑> or <↓> key, and press <Enter>.

✓ Check/!

If the desired device is not listed on the [Boot Override] menu, press <F10> and check to see that [Yes] is selected. Then, press <Enter>, restart the BIOS setup utility, and select the desired device.

Note The [Boot Override] is contained in the [Exit] option.

7 When the [Windows Recovery] screen is displayed, select [Restore your computer with Recovery Disc], and press <Enter>.

8 When [Restore the Windows 8.1 operationg system using the Recovery Disc.] is displayed, read the precautions and press <Enter>.

9 When the [The hard disk drive will be restored to the factory default settings. Are you sure to continue?] message is displayed, read the notes carefully. If OK, select [Yes], and press <Enter>.

Follow the steps on the screen for the procedure.

Go to "Windows Setup" (p.23).
Using the Windows function

Recover the computer using the Windows function.
The subsequent procedure differs depending on whether or not the computer can start up.
If the computer can start up, go to the next "If the computer starts up" section.
If the computer cannot start up, go to the "If the computer does not start up" section (p.22).

If the computer starts up

If the computer starts up, you can recover the computer using the "Refresh" or "Reset" function on the system.

• Refresh
Although the personal files, accounts, private setup, and Windows Store applications are all maintained, the Windows OS will be reset to the factory default settings.
All applications (Windows Store applications) that the customer has installed are deleted. After refreshing, the list of the deleted applications is saved on the desktop.

• Reset
All files including personal files and Windows Store applications will be deleted. The computer will be reset to the initial (default) status.
If you have created multiple partitions, you can delete all personal files by selecting "Only the drive where Windows is installed" or "All drives". Also, you can select "Just remove my files" to delete personal files only, or "Fully clean the drive" to clean up the drives and disable them in order to easily complete the recovery operation and enhance security.
If the PC is reset, the BitLocker drive encryption becomes invalid.

Check
Carry out the following steps using the "Administrator" account.

1 Display the charm bar, and click [Settings].
2 Click [Change PC settings].
3 Click [Update and recovery].
4 Click [Recover].
5 Select a recovery method.

For refreshing:
Click [Get started] on the [Refresh your PC without affecting your files] option.
For resetting:
Click [Get started] on the [Remove everything and reinstall Windows] option.
Follow the on-screen instructions for the procedure.
After refreshing, reinstall the deleted applications. The computer will have now been recovered. Note that "Battery tool" may not operate normally if you have refreshed your computer. Please use the following steps to change your settings.

Check
When the [User Account Control] screen appears, click [Yes].

1 Click  at lower left of the start screen.
2 Click [Explorer].
3 Open [C:\Program Files\NECBatt\] file.
5 Restart the Windows system.
After resetting, continue to "Windows Setup" (p.23).

If the computer does not start up

If the system does not start up, you can recover the system by starting it from the "recovery drive".
For creation of "recovery drive," please refer to "Creating a recovery drive" (p.24).

1 Connect the "recovery drive" you have created to the USB port of the computer.
2 Turn the power on and immediately press <F2> key several times.
The BIOS setup utility will then be started.
3 Select the startup device from [Boot Override] option using ↑ or ↓ key, and press <Enter>.
When [Choose your keyboard layout] is displayed, select [US].

When [Choose an option] is displayed, select [Troubleshooting]. Message [Troubleshooting] appears.

Select a recovery method.
For refreshing:
Select [Refresh your PC].
For reset:
Select [Reset your PC].
Follow the steps on the screen for the procedure.

When you have refreshed your computer, reinstall the deleted applications. Now, the system has been recovered.
Note that “Battery tool” may not operate normally if you have refreshed your computer. Please use the following steps to change your settings.

Click at lower left of the start screen.
Click [Explorer].
Open [C:\Program Files\NECBatt\] file.
Restart the Windows system.

If you have reset the computer, proceed to “Windows Setup”.

Reinstall the applications pre-installed at time of purchase.
Next, continue to ‘Re-set the settings you made after purchase’.

The settings which you did after purchasing your computer is lost once recovery has started. Do the settings again. If you want to use some peripherals, connect them and do the settings again. Configure the system and network settings again.
Next, continue to “After Recovery”.

The applications which you installed from Application Disc or by any other way can not be recovered. Reinstall them if needed.

Depending on your usage environment, the drive letter or the path assigned before recovery might be different. In that case, change the allocation.

Now, your computer has been recovered.
Appendix

Disabling the "Fast Startup" function

The "Fast Startup" function allows quick computer startup from the power-off state. The "Fast Startup" function is enabled by factory default.

Before installing or removing a peripheral, disable the "Fast Startup" function as follows and shut down the computer.

If the "Fast Startup" function is still enabled and if you install or remove a peripheral device, the device may not be detected by the system.

1. Click [Desktop] on the start screen.
2. Display the charm bar on the desktop, and click [Settings].
3. Click [Control Panel].
4. Click [System and Security] and then select [Change what the power buttons do] from the [Power Options].
5. Select [Change settings that are currently unavailable].
6. Uncheck the [Turn on fast startup (recommended)] box of [Shutdown settings].
7. Click [Save changes].

Creating a recovery drive

We recommend that a "recovery drive" be created for times when problems such as corrupted files result in Windows not loading correctly.

1. Click [Desktop] on the start screen.
2. Display the charm bar.
3. Click [Settings].
4. Click [Control Panel].
5. Click [System and Security].
6. Click [Action Center].
7. Click [Recovery].
8. Click [Create a recovery drive].
9. When the [User Account Control] is displayed, click [Yes].
10. When the [Create a recovery drive] screen appears, check to see that [Copy the recovery partition from the PC to the recovery drive.] box is select, and then click [Next].
11. When [Connect a USB flash drive] is displayed, connect the USB memory to the computer.
12. When [Select a USB flash drive] is displayed, click [Next].
13. When [Create the recovery drive] is displayed, check its contents and click [Create].
14. When [The recovery drive is ready] is displayed, click [Finish].
15. Remove the USB memory from the computer.

Now, the recovery drive has been created.

Disabling the "Fast Startup" function

† An 8GB or larger USB memory is required to create a recovery drive.
† Existing data is erased from the USB memory. Back up the required data in advance.
† You can use the "recovery drive" only for the computer on which you have created this drive.

Check:

- An 8GB or larger USB memory is required to create a recovery drive.
- Existing data is erased from the USB memory. Back up the required data in advance.
- You can use the "recovery drive" only for the computer on which you have created this drive.

Check:

Do not operate even if a notification is shown at upper right of the screen.
## Specifications

| Model name | VC26M/C-H  
| VP26M/C-H |
| --- | --- |
| **CPU**<sup>130</sup> | Intel® Core™ i5-4300M processor<sup>2,14</sup> |
| **Maximum memory (RAM)** | 8GB [SO-DIMM (2 slots)]<sup>38</sup> |

### Power

- **Lithium ion battery (M) (10.8 VDC, Typ. 3070 mAh<sup>14</sup>)**
  (The battery pack is a consumable.)
- **Lithium ion battery (L) (10.8 VDC, Typ. 6140 mAh<sup>14</sup>)**
  (The battery pack is a consumable.)
- The AC Adapter adapts itself to your region's specifications.
  [The AC Adapter itself is safely rated for input current of up to 240 VAC. However, the included power cord is adapted to suit your region's specifications. For use outside your region, another power cord will be required.]

### Power consumption (Maximum configuration)

Approx. 65 W

### External Dimensions (excluding protrusions)<sup>3</sup>

316 (W) x 229 (D) x 29.8 (H) mm

### Weight (including Lithium ion battery (M))<sup>3</sup>

Approx. 1.24kg<sup>35</sup>

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For comments, please refer to the followings.

### Comments

* 2 : Supports Hyper-Threading technology.
* 6 : Protrusions such as rubber feet are excluded.
* 8 : Does not include an optical drive, PC card slot, or SD memory card.
* 14 : Equipped with an enhanced version of Intel SpeedStep<sup>®</sup> Technology.
* 20 : Depending on the user environment and load the CPU operating speed may vary.
* 35 : Weight at the lightest configuration. The lithium-ion battery adds approx. 133 g. The optical drive adds approx. 78 g.
* 38 : Only one SO-DIMM slot is accessible to users. The other memory cannot be removed.
* 49 : Shows the normal capacity (actual battery pack capacity).
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User's Guide
VC Model

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