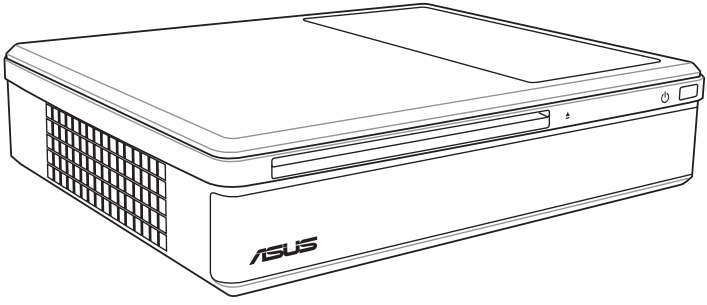
Rock Solid · Heart Touching

English

NOVA LITE PX24

User Manual



English

E3767

Second Edition V2
June 2008

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Every effort has been made to ensure that the contents of this manual are correct and up to date. However, the manufacturer makes no guarantee regarding the accuracy of its contents, and reserves the right to make changes without prior notice.

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Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

Macrovision Corporation Product Notice

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only **unless otherwise authorized by Macrovision Corporation**. Reverse engineering or disassembly is prohibited.

Safety information

Your ASUS NOVA PX24 is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

Setting up your system

- Read and follow all instructions in the documentation before you operate your system.
- Do not use this product near water or a heated source such as a radiator.
- Set up the system on a stable surface.
- Openings on the chassis are for ventilation. Do not block or cover these openings. Make sure you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- Use this product in environments with ambient temperatures between 0˚C and 40˚C.
- If you use an extension cord, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.

Care during use

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill water or any other liquids on your system.
- When the system is turned off, a small amount of electrical current still flows. Always unplug all power, modem, and network cables from the power outlets before cleaning the system.
- If you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer.
    - The power cord or plug is damaged.
    - Liquid has been spilled into the system.

- The system does not function properly even if you follow the operating instructions.
- The system was dropped or the cabinet is damaged.
- The system performance changes.

Lithium-Ion Battery Warning

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

LASER PRODUCT WARNING

CLASS 1 LASER PRODUCT

NO DISASSEMBLY

The warranty does not apply to the products that have been disassembled by users

This symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment, and mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

Notes for this manual

To make sure that you perform certain tasks properly, take note of the following symbols used throughout this manual.

WARNING: Vital information that you MUST follow to prevent injury to yourself.

IMPORTANT: Instructions that you MUST follow to complete a task.

TIP: Tips and useful information that help you complete a task.

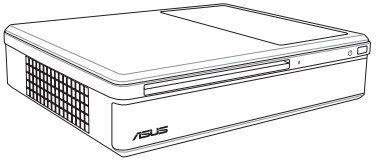
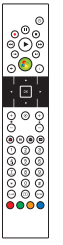
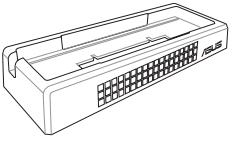
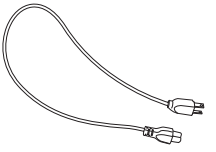
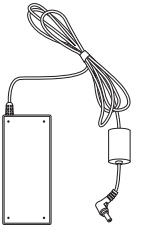
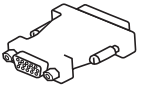
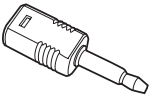
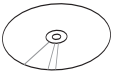
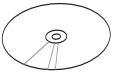
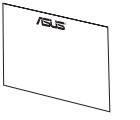
NOTE: Additional information for special situations.

English

Welcome

Congratulations on your purchase of the ASUS NOVA LITE PX24. The following illustration displays the package contents of your new PX24. If any of the below items is damaged or missing, contact your retailer.

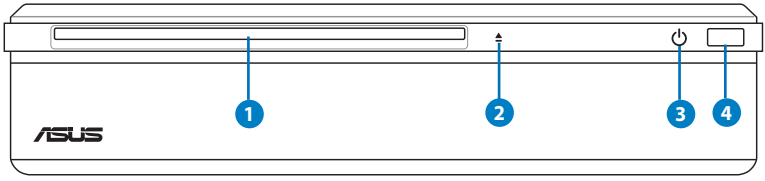
Package contents

		
NOVA LITE PX24		**Remote control**
		
Stand	**Power cord**	**AC adapter**
		
DVI to D-Sub adapter	**Mini jack to S/PDIF adapter**	**Support DVD**
		
Recovery DVD	**Warranty card**	**Quick guide**

Knowing your NOVA PX24

Front view

Refer to the diagram below to identify the components on this side of the system.



1 **Slot-in optical drive**

The system comes with a slot-in optical disc drive that allows you to load or eject optical discs easily.

The slot-in optical drive can only hold the standard optical discs (12cm). Inserting smaller-sized or larger-sized disc would damage the optical drive.

2 **Optical drive electronic eject (touch-sensitive)**

The optical drive eject has an electronic eject button for unloading the disc. You can also eject the optical disc through any software player.

3 **Power switch (touch-sensitive)**

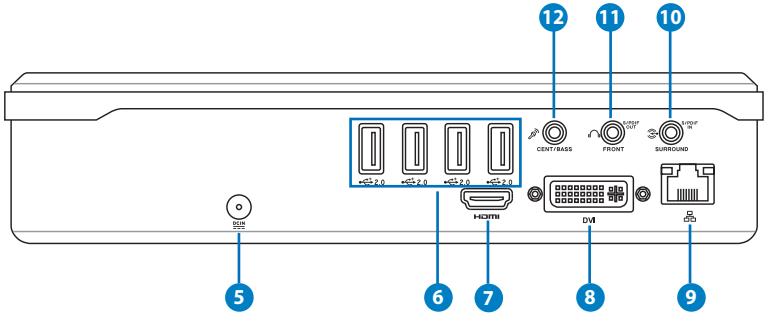
The power switch allows powering ON and OFF the system.

4 **Infrared port**

The infrared (IrDA) communication port allows convenient wireless data communication with infrared-equipped devices or computer. This allows easy wireless synchronization with PDAs or mobile phones and even wireless printing to printers.

Rear view

Refer to the diagram below to identify the components on this side of the system.



5 DC IN Power input (DC 19V)

The supplied power adapter converts AC power to DC power for use with this jack. Power supplied through this jack supplies power to the PC. To prevent damage to the PC, always use the supplied power adapter.

The power adapter may become warm to hot when in use. Do not cover the adapter and keep it away from your body.

6 USB port

The USB (Universal Serial Bus) port is compatible with USB devices such as keyboards, mouse devices, cameras, and hard disk drives. USB allows many devices to run simultaneously on a single computer, with some peripherals acting as additional plug-in sites or hubs.

7 HDMI port

The HDMI (High Definition Multimedia Interface) port supports a Full-HD device such as an LCD TV or monitor to allow viewing on a larger external display.

8 DVI **DVI port**

The Digital Visual Interface (DVI) port supports a high quality VGA-compatible device such as a monitor or projector to allow viewing on a larger external display. For D-sub connector-equipped display, use the DVI to D-Sub adapter in the package when connecting the display.

9 **LAN port**

The eight-pin RJ-45 LAN port supports a standard Ethernet cable for connection to a local network.

10 **Audio In (S/PDIF IN) jack**

Plug a 3.5mm mini-jack audio cable into this jack for analog or digital audio transfer.

11 **Headphone/Audio Out (S/PDIF OUT) jack**

The stereo headphone jack (3.5mm) is used to connect the system's audio out signal to amplified speakers or headphones. Using this jack automatically disables the built-in speakers.

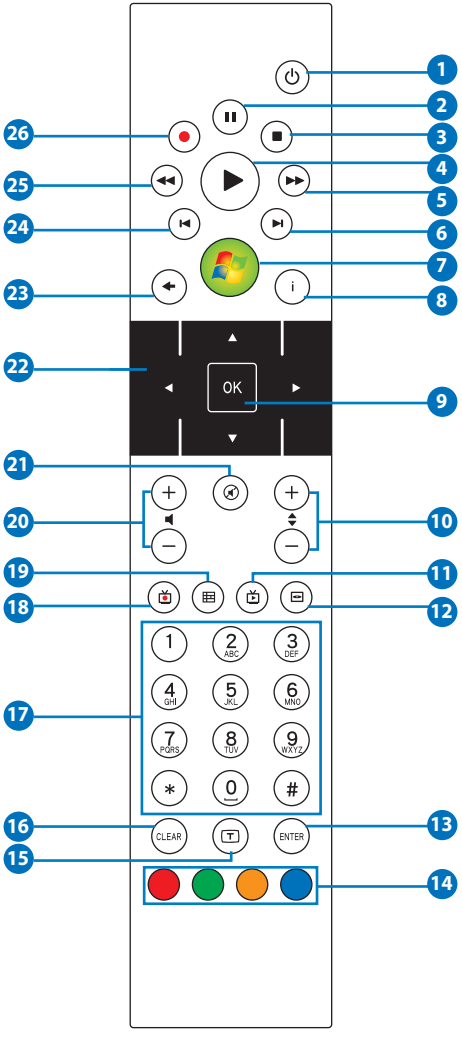
12 **Microphone jack**

The microphone jack is designed to connect the microphone used for video conferencing, voice narrations, or simple audio recordings.

Using the Media Center remote

Use the remote to launch the Media Center program to watch TV, record TV programs, play video recordings or other media files such as music and movies.

Refer to the next page to familiarize yourself with the functions of the remote control buttons.

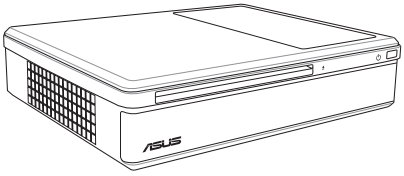
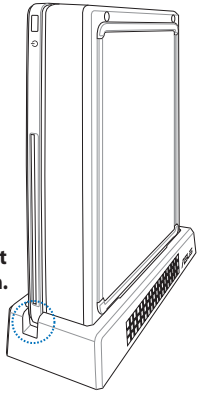
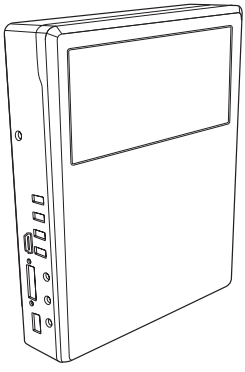


1. **Power**: Press to turn off the power of the screen and the speakers.
2. **Pause**: Press to pause a playback.
3. **Stop**: Press to stop playing a media file.
4. **Play**: Press to play a media file.
5. **Fast-foward**: Press to fast-forward a media file.
6. **Next track**: Press to go to the next track.
7. **Windows® Media Center**: Press to launch the Media Center program or go back to the main menu.
8. **Information**: Press to display program information under Media Center or other menu options.
9. **OK**: Press to confirm an action.
10. **Channel up/down**: Press to change TV channels.*
11. **Live TV button**: Press to watch live TV programs.*
12. **DVD button**: Press to switch to DVD source.
13. **Enter**: Press to confirm a selection.
14. **Teletext buttons**: Available on European models only.
15. **Shift**: Toggles between numerical and alphabetical input.
16. **Clear**: Press to clear input information.
17. **Numeric buttons**: Press to enter a channel number.
18. **Recorded TV**: Press to display a list of your recorded TV programs.*
19. **EPG (Electronic Program Guide)**: Press to display the electronic program guide screen.*
20. **Volume up/down**: Press to increase/decrease the volume.

21. **Mute**: Press to disable audio output.
22. **Four-way navigation buttons**: Press to scroll through on-screen display menus.
23. **Return**: Press to return to the previous page.
24. **Previous track**: Press to go back to the previous track.
25. **Rewind**: Press to rewind a media file.
26. **Record**: Press to start recording TV.*

*The system does not come with a built-in TV tuner card. To use the TV function, purchase an external TV box.

Positioning your NOVA PX24

	○ CORRECT
*Note the correct orientation. 	○ CORRECT
	✕ INCORRECT

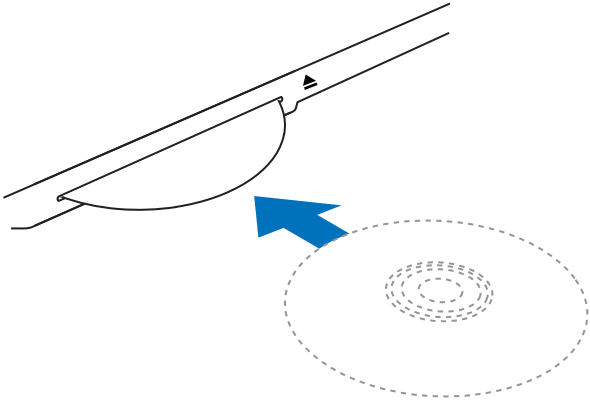
Use the support stand if you want to stack up your PX24. Stacking up the system without the support stand will hamper the ventilation and damage the system.

Insulating paint is applied to the top cover of the system to prevent electrostatic discharge.

Using the optical drive

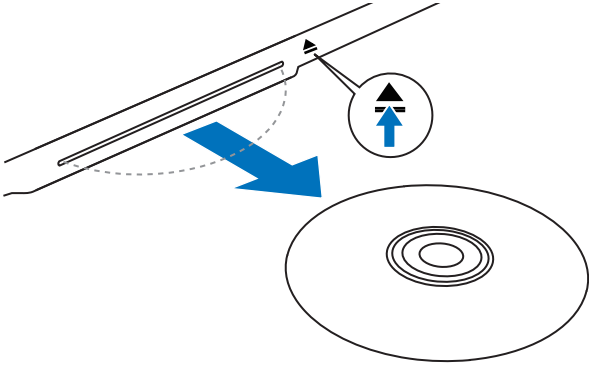
Inserting an optical disc

1. Place the disc to the slot-in optical drive with the label side facing up.
2. Slide the disc into the drive.



Ejecting an optical disc

1. While the system power is on, press the eject button.
2. Remove the disc from the opening.

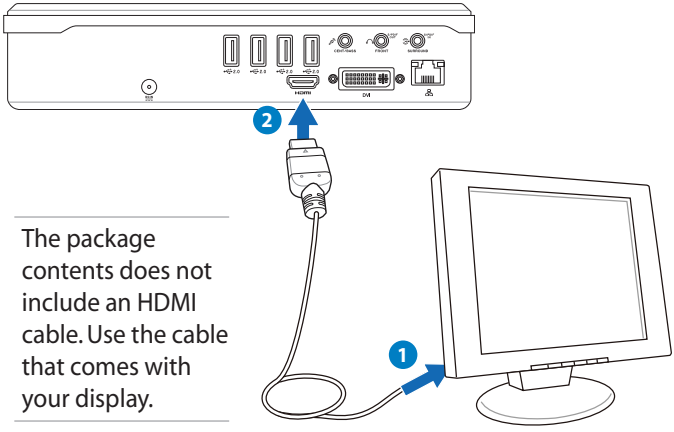


Setting up your NOVA PX24

You need to connect peripherals before using your NOVA PX24.

Connecting to a display (HDMI)

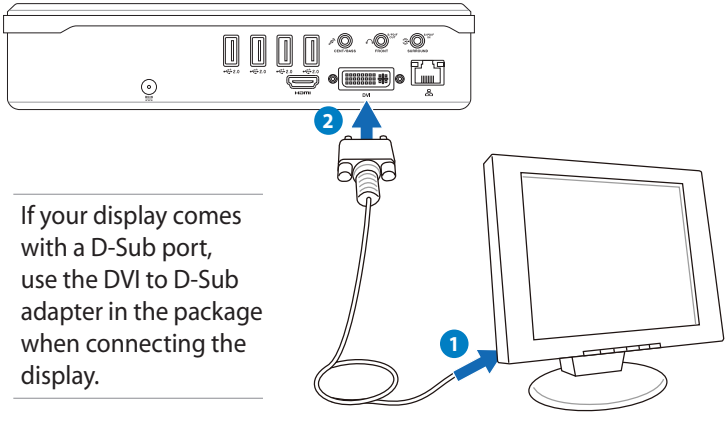
Connect one end of an HDMI cable to the display (1) and the other end to the **HDMI** port on the system rear panel (2).



The package contents does not include an HDMI cable. Use the cable that comes with your display.

Connecting to a display (DVI)

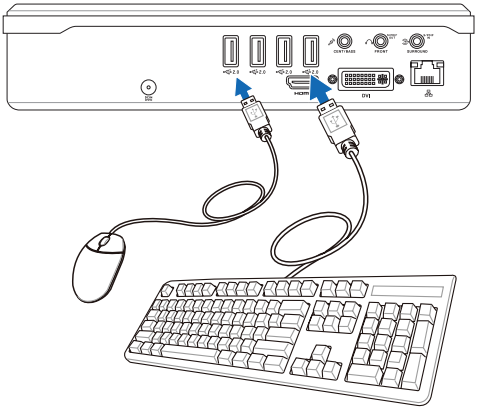
Connect one end of a DVI cable to the display (1) and the other end to the **DVI** port on the system rear panel (2).



If your display comes with a D-Sub port, use the DVI to D-Sub adapter in the package when connecting the display.

Connecting to USB devices

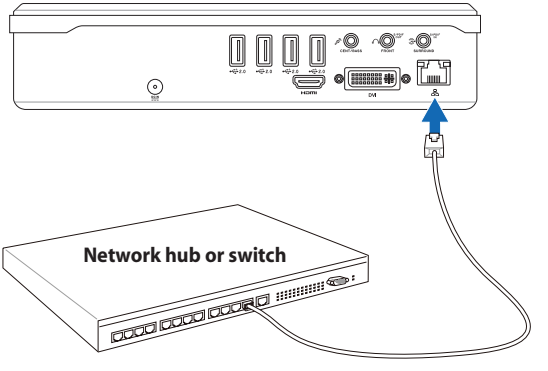
Connect USB devices like keyboards, mouse devices, and printers to the **USB** ports on the system rear panel.



The package contents does not include USB keyboard and mouse. Purchase USB peripherals based on your needs.

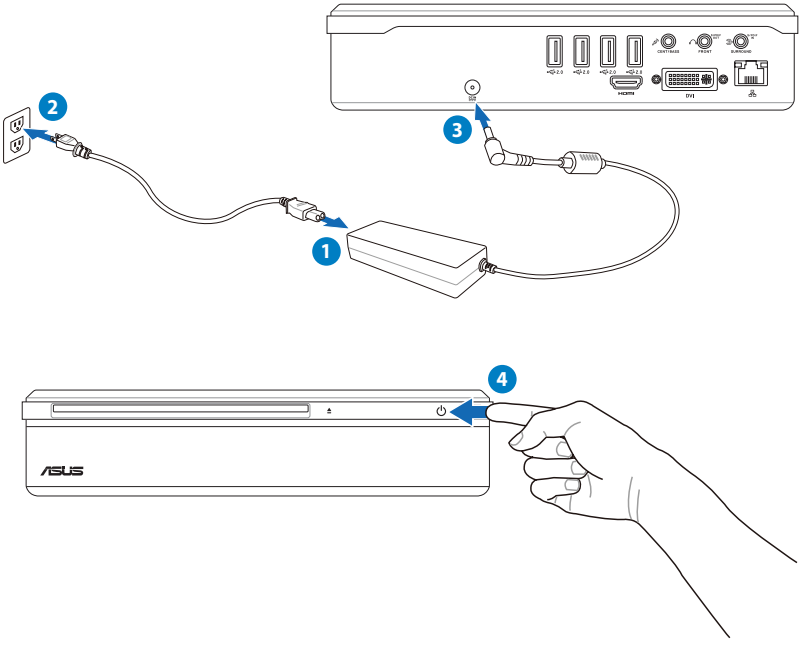
Connecting to a network device

Connect one end of a network cable to the **LAN** port on the system rear panel and the other end to a hub or switch.



Turning on the system

Connect the supplied AC adapter to the **DC IN** jack on the system rear panel, and then touch the **power switch** on the front panel to turn on the system.



Configuring audio output

NOVA PX24 supports different types of audio configurations. You may set up the system using stereo speakers or a multi-channel audio speaker system.

Speaker configurations

You may set up the system with the following speaker configurations:

Name	Speaker system
2-channel (stereo)	Left speaker and right speaker.
5.1-channel	Two front speakers, two rear (surround) speakers, a center speaker, and a subwoofer.

Audio jack	Headphones 2-channel	5.1-channel	S/PDIF
Light Blue	Audio In	SURROUND	S/PDIF IN
Lime	Audio Out	FRONT	S/PDIF OUT
Pink	Mic In	CENTER/BASS	Mic

A stereo speaker set is a left-right, two channel speaker system. A multi-channel audio speaker has a left-right front and left-right rear (surround) channel, and it may include a subwoofer and a center speaker. A subwoofer provides enhanced bass sounds.

".1" indicates a subwoofer. For instance, 5.1-channel refers to a six-speaker mode and uses two front speakers (left-right), two rear (surround) speakers (left-right), a center speaker, and a subwoofer.

Connecting to analog speakers

NOVA PX24 is equipped with an Audio Out jack (lime) that allows you to connect to stereo speakers or headphones.

There are three audio jacks enabling you to configure an up to 5.1 channel audio setup.

Refer to the table below for the audio jacks on the rear panel and their functions.

For stereo speakers or headphones

Audio jack	Description
	Connects to stereo speakers or headphones.

For a 5.1-channel speaker system

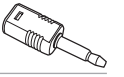
Audio jack	Description
	FRONT connects to the FRONT jack on your subwoofer.
	SURROUND connects to the REAR jack on your subwoofer.
	CENTER/BASS connects to the SUB/CENTER jack on your subwoofer.

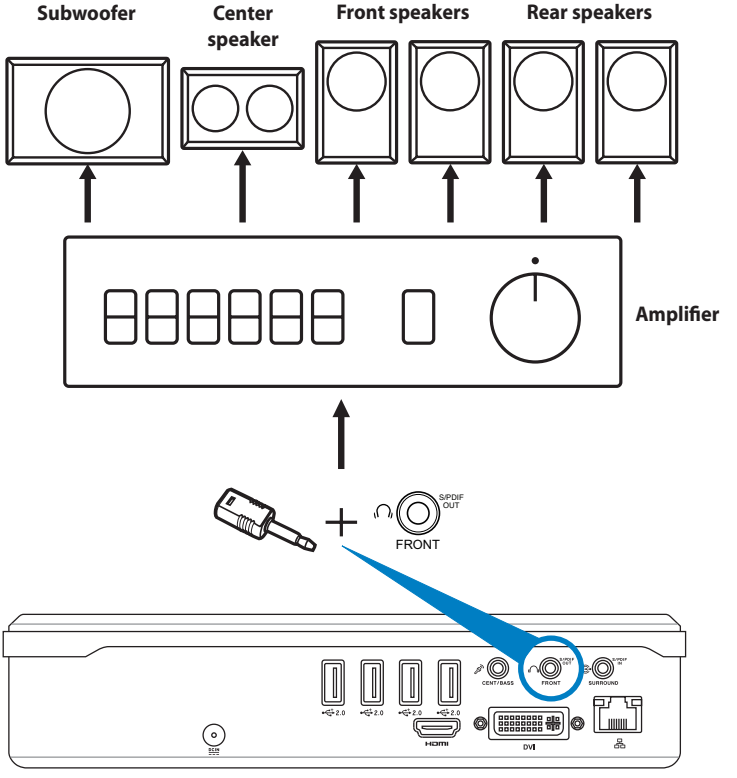
Connecting to digital speakers

You can also connect NOVA PX24 to your home stereo or home theater multi-channel audio amplifier to use your existing speaker system.

Connect an optical (Toslink) digital audio cable with a mini jack to S/PDIF adapter from the **S/PDIF OUT** jack on the system rear panel to your amplifier.

Use the supplied mini jack to S/PDIF adapter to connect to your amplifier.



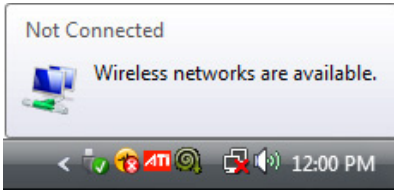


Using your NOVA PX24

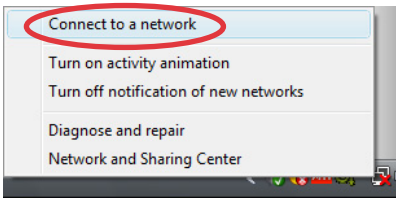
Configuring wireless connection

To connect to a wireless network, follow the instructions below:

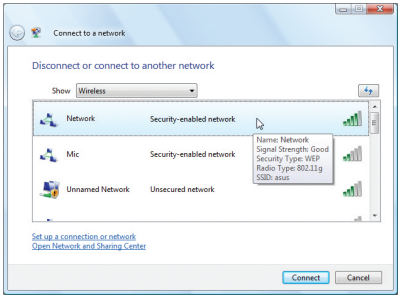
1. Move the pointer to the network icon on the notification area and you will see **Not Connected**.



2. Right-click the network icon and select **Connect to a network**.



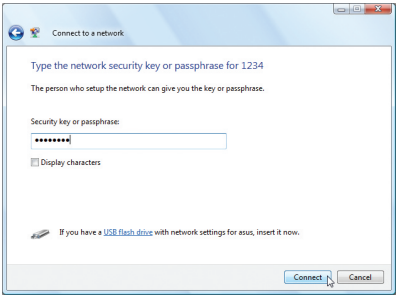
3. Select the wireless network you want to connect to from the list and click **Connect**.



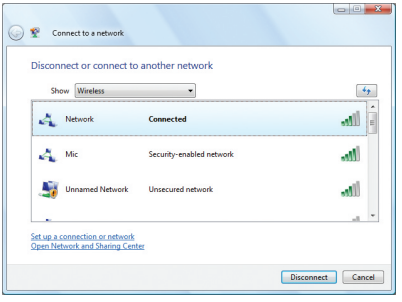
Select Show **Wireless** if there are different types of network connections in your area.

4. Enter the network security key if necessary.

This screen will not appear if no security key is needed.



5. After connection was established, you will see **Connected**.

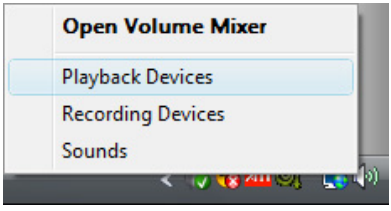


Configuring audio output settings

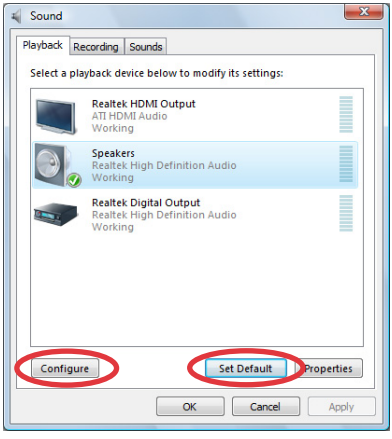
After connecting a speaker system to your PX24, follow the steps below to configure speaker setup:

Analog output

1. From the Windows® notification area, right-click the **volume** icon and then select **Playback Devices**.

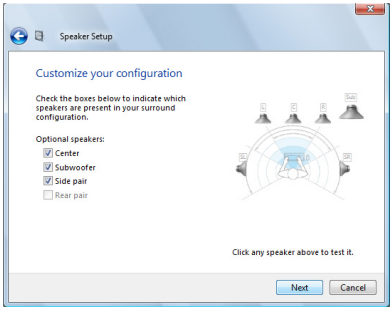


2. Under the Playback window, select **Speakers** and click **Set Default**.
3. Click **Configure** and the Speaker Setup window pops up.



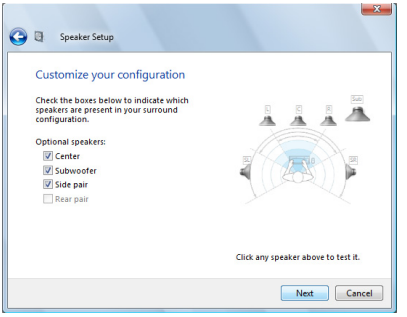
4. Select the speaker system you have and click **Next**.

You may click **Test** to test each of your speakers.

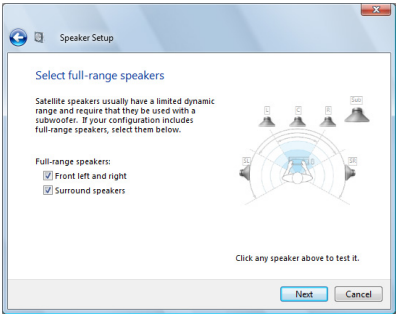


5. Check the boxes that indicate the speakers present, and then click **Next**.

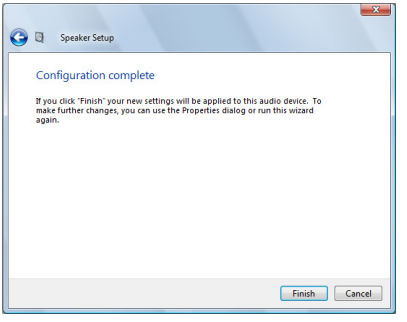
This configuration screen varies according to the speakers you have.



6. Check the boxes if you use full-range speakers, and then click **Next**.



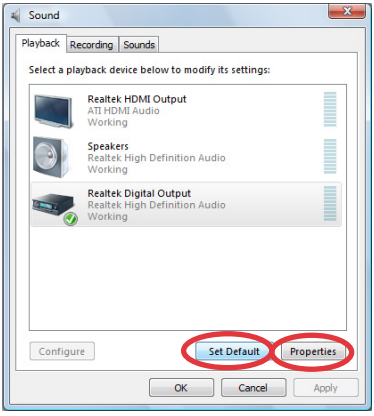
7. Click **Finish** to exit the speaker setup.



Digital output

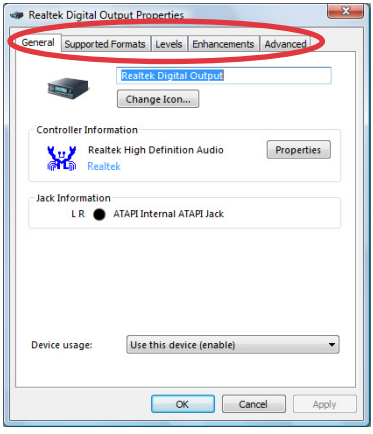
1. From the Windows® notification area, right-click the **volume** icon and then select **Playback Devices**.

2. Under the Playback window, select **Realtek Digital Output** and click **Set Default**.
3. Click **Properties** and the Realtek Digital Output Properties window pops up. Click the tabs on the top to configure related settings.



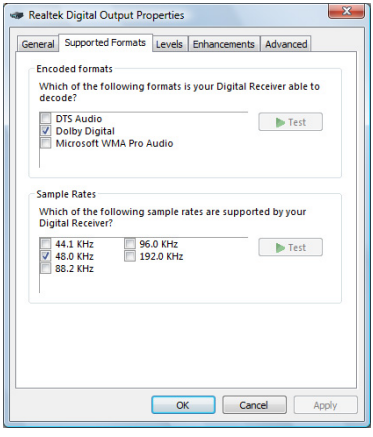
General

You can customize the device name and icon, view the controller/jack information, and configure the device usage.



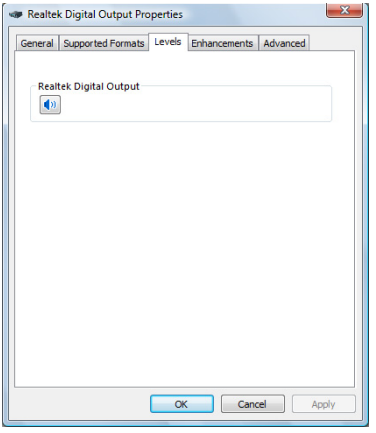
Support Formats

You can select the encoded format and the sample rates.



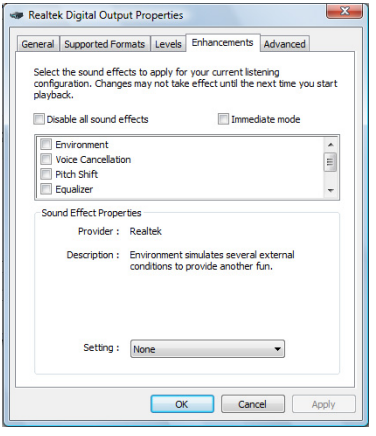
Levels

You can enable or mute the Realtek digital output level.



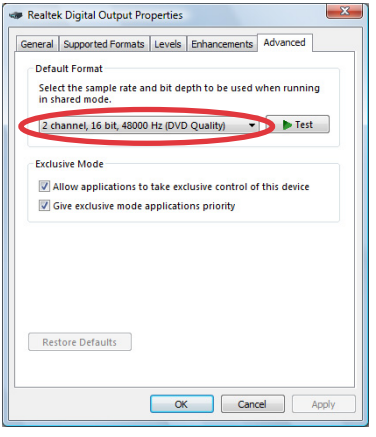
Enhancements

You can apply special sound effects for the your current listening configuration.



Advanced

You can select the sample rate and bit depth from the drop-down menu.

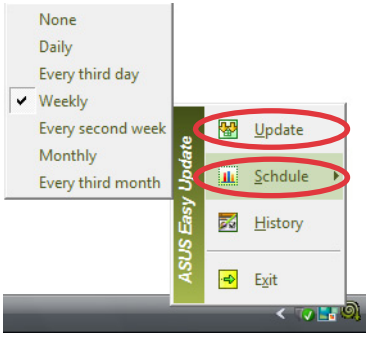


Using ASUS Easy Update

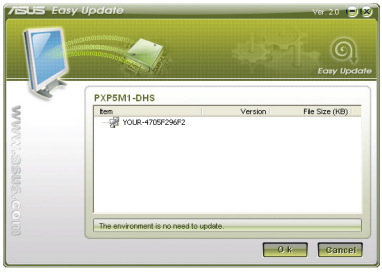
ASUS Easy Update is a software tool that automatically detects and downloads the latest BIOS, drivers, and applications for your PX24.

1. From the Windows® notification area, right-click the **ASUS Easy Update** icon.

2. Select **Schedule** to set how often you want to update your system.
3. Select **Update** to activate the update.



4. Click **OK** to display the items you can download.



5. Check the item(s) you want to download, and then click **OK**.

Using Windows Media Center

Starting Windows Media Center

You can take full control of the Windows Media Center using your remote control.

To start Windows Media Center, do one of the following:

- Press the **Media Center** button on your Media Center remote.
- From the Windows® desktop, click **Start** > **All Programs** > **Windows Media Center**.

TV + Movies

Enjoy your TV/movie viewing experience with the **TV + Movies** feature. Use **TV + Movies** to watch live TV programs, record TV programs, watch recorded programs, view program information, and play DVDs.

*The system does not come with a built-in TV tuner card. To use the TV function, purchase an external TV box.

Watching TV

1. Press the **Live TV** button on the remote. The last viewed TV channel is displayed.
2. Use the **Channel up/down** buttons to change channels while watching TV.

Recording TV programs

1. Use the **Channel up/down** or the numeric keys to select the program you wish to record.
2. Press the **Record** button on the remote to start recording.

Playing TV recordings

1. Press the **Recorded TV** button to display a list of recorded TV programs.

2. Select a recording and press the **Play** button to play or press **OK** to view details.

Media Center automatically records the program you are watching for up to 30 minutes and saves it to a buffer. Therefore, if you pause a live TV program, you can pick up where you left off.

Watching DVDs

Insert a DVD into the optical drive and the DVD will be played automatically. You can also press the **DVD** button on the remote to play it.

Music

Music provides you with a complete music experience. You can listen to CDs or other music files, create your own playlists, view album information, and listen to music by albums, genres, artists, etc.

Adding music CDs to music library

1. From the Media Center main menu, select **Music**.
2. Insert a CD into the Super Multi Drive. The CD will be played automatically, and a list of options appear on the left side of the "now playing" screen.
3. Select **Copy CD**, and then select **Yes** to confirm your choice. The CD is copied and saved as music files to the hard disk drive under **music library**.

Playing Music

1. From the Media Center main menu, select **Music** > **music library** to display your music files.
2. Select music to play by albums, genres, artists, etc.

Pictures + Videos

Enjoy and manage your digital photos/videos or downloaded pictures/video clips using **Pictures + Videos**. You can browse the pictures individually or play them as a slide show with music background.

Viewing pictures

1. From the Media Center main menu, select **Pictures + Videos** > **picture library** to display your picture folders.
2. Select a folder and press **OK** to open it. Select an image and press **OK** to view.

   To play the pictures as a slide show, highlight a folder and press the **Play** button ▶ to start playing it. You can also select **Play slide show** on the sidebar.

Watching videos

1. From the Media Center main menu, select **Pictures + Videos** > **video library** to display your videos.
2. Highlight a video and press the **Play** button ▶ to start playing it.

Using CyberLink PowerDVD

We highly recommend that you launch the CyberLink PowerDVD software to play DVDs or media files. PowerDVD supports various video and audio formats/codecs including MPEG-4 AVC (H.264).

To use PowerDVD

1. Double-click the **PowerDVD** icon on the Windows® desktop.
2. The PowerDVD player launches. Move the pointer over the buttons on the control panel, and the pop-up messages will help you get familiar with the button functions.

We recommend that you connect to a display through the **HDMI** port to enjoy optimum visual performance.

Recovering your system

Using the recovery DVD

The recovery DVD includes an image of the operating system installed on your system at the factory. The recovery DVD, working with the support DVD, provides a comprehensive recovery solution that quickly restores your system to its original working state, provided that your hard disk drive is in good working order. Before using the recovery DVD, copy your data files (such as Outlook PST files) to a USB device or to a network drive and make note of any customized configuration settings (such as network settings).

1. Turn on your computer and press **<F8>** to enter the **Please select boot device** menu.
2. Insert the recovery DVD into the optical drive and select the optical drive ("DVDROM: XXX") as the boot device. Press **<Enter>** and then press any key to continue.
3. The **ASUS Recovery System** window appears. Select where to install a new system (min. 20GB space is required). Options are:

   Recover Windows to a partition

   This option will delete only the partition you select from below, allowing you to keep other partitions, and create a new system partition as drive "C." Select a partition and click **NEXT**.

   Recover Windows to entire HD

   This option will delete all partitions from your hard disk drive and create a new system partition as drive "C." Select and click **Yes**.
4. Follow the on-screen instructions to complete the recovery process.

You will lose all your data during the system recovery. Make sure that you make a backup of it before recovering the system.

5. Insert the support DVD into the optical drive when you are asked to. After the system recovery is completed, restart the computer.

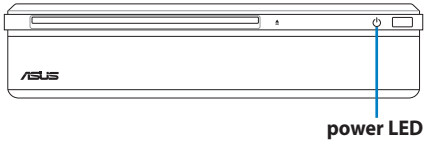
6. After the system reboots, Windows® will begin system configurations and install drivers and utilities.
7. Set up your language, time zone, keyboard, computer name, and user name to enter the Windows® OS.

This recovery DVD is for NOVA PX24 only. DO NOT use it on other computers. Visit the ASUS website www.asus.com for any updates.

Crashfree BIOS

ASUS Crashfree BIOS allows you to restore the original BIOS data from the support DVD in case the BIOS update fails or the BIOS codes and data are corrupted. Change the boot priority and boot from your support DVD to restore your BIOS.

When you notice the power LED blink white and hear two short beeps followed by one continuous beep at the system startup, your BIOS codes are damaged.



Follow the instructions below to restore your BIOS:

1. Insert the support DVD. The system will give two short beeps and start restoring the BIOS. (No display on screen)
2. When the power LED stops blinking, the restoration is completed.
3. Press the power switch to start the system. If the system enters Windows® OS, the BIOS is restored successfully.

Using the hidden partition

The recovery partition includes an image of the operating system, drivers, and utilities installed on your system at the factory. The recovery partition provides a comprehensive recovery solution that quickly restores your system's software to its original working state, provided that your hard disk drive is in good working order. Before using the recovery partition, copy your data files (such as Outlook PST files) to floppy disks or to a network drive and make note of any customized configuration settings (such as network settings).

DO NOT delete the partition named "RECOVERY." The recovery partition is created at the factory and cannot be restored by the user if deleted. Take your system to an authorized ASUS service center if you have problems with the recovery process.

1. Press **<F9>** during bootup (requires a recovery partition).
2. Press **<Enter>** to select **Windows Setup [EMS Enabled]**.
3. The **ASUS Recovery System** window appears. Select **Recover Windows to a partition**.
4. Select a partition with min. 20GB space and click **Next**.
5. Follow the on-screen instructions to complete the recovery process.
6. Restart the computer after the system recovery is completed.
7. Set up your language, time zone, keyboard, computer name, and user name to enter the Windows® OS.