

Register your product and get support at
www.philips.com/welcome

NP2500/37



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1 Important

Safety

Know these safety symbols



This 'bolt of lightning' indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

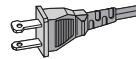
The 'exclamation point' calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

- ① Read these instructions.
- ② Keep these instructions.
- ③ Heed all warnings.
- ④ Follow all instructions.
- ⑤ Do not use this apparatus near water.
- ⑥ Clean only with dry cloth.

- ⑦ Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- ⑧ Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- ⑨ For countries with a polarized mains, do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
Caution: To prevent electric shock, match the wide blade of the plug to the wide slot, fully insert.



- ⑩ Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- ⑪ Only use attachments/accessories specified by the manufacturer.
- ⑫ Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15 **Battery usage CAUTION – To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:**
- Install all batteries correctly, + and - as marked on the unit.
 - Do not mix batteries (old and new or carbon and alkaline, etc.).
 - Remove batteries when the unit is not used for a long time.
- 16 Apparatus shall not be exposed to dripping or splashing.
- 17 Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).
- 18 This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org.



Warning

- Never remove the casing of this NP2500.
- Never lubricate any part of this NP2500.
- Place this NP2500 on a flat, hard and stable surface.
- Never place this NP2500 on other electrical equipment.
- Only use this NP2500 indoors. Keep this NP2500 away from water, moisture and liquid-filled objects.
- Keep this NP2500 away from direct sunlight, naked flames or heat.

Notice

Class II equipment symbol



This symbol indicates that the unit has a double insulation system.

Notice of compliance

For USA:

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

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

For Canada:

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

The set complies with the FCC-Rules, Part 15, with RSS-210 of Industry Canada. 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.

Declaration of Conformity

Model number: NP2500/37

Trade name: Philips

Responsible party: Philips Consumer Lifestyle

A Division of Philips

Electronics

North America Corp.

P.O. Box 671539

Marietta, GA 30006-0026

1-800-PHILIPS (744-5477)

Radiofrequency radiation exposure

Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Hearing Safety



Listen at a moderate volume:

Using headphones at a high volume can impair your hearing. This product can produce sounds in decibel ranges that may cause hearing loss for a normal person, even for exposure less than a minute. The higher decibel ranges are offered for those that may have already experienced some hearing loss.

Sound can be deceiving. Over time your hearing 'comfort level' adapts to higher volumes of sound. So after prolonged listening, what sounds 'normal' can actually be loud and harmful to your hearing. To guard against this, set your volume to a safe level before your hearing adapts and leave it there.

To establish a safe volume level:

Set your volume control at a low setting.

Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

Listen for reasonable periods of time:

Prolonged exposure to sound, even at normally 'safe' levels, can also cause hearing loss.

Be sure to use your equipment reasonably and take appropriate breaks.

Be sure to observe the following guidelines when using your headphones.

Listen at reasonable volumes for reasonable periods of time.

Be careful not to adjust the volume as your hearing adapts.

Do not turn up the volume so high that you can't hear what's around you.

You should use caution or temporarily discontinue use in potentially hazardous situations.

Do not use headphones while operating a motorized vehicle, cycling, skateboarding, etc.; it may create a traffic hazard and is illegal in many areas.

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:

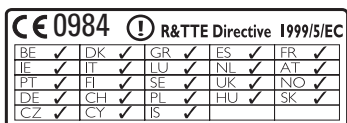


Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.

Battery disposal information

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste.

Please inform yourself about the local rules on separate collection of batteries. The correct disposal of batteries helps prevent potentially negative consequences on the environment and human health.



Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

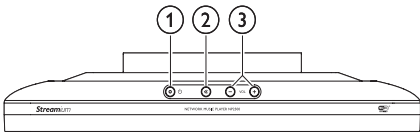
2 Your Network Music Player

Congratulations on your purchase and welcome to Philips!

To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

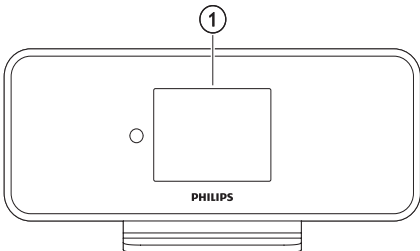
Overview

Top view



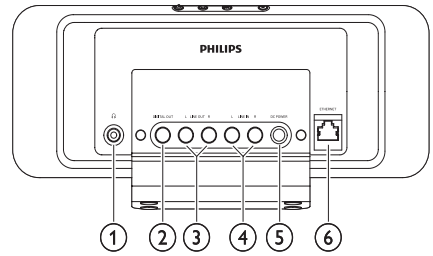
- ① (On / Standby / Eco standby)
- ② (mute the sound)
- ③ +VOL - (adjust the volume)

Front view



- ① Display

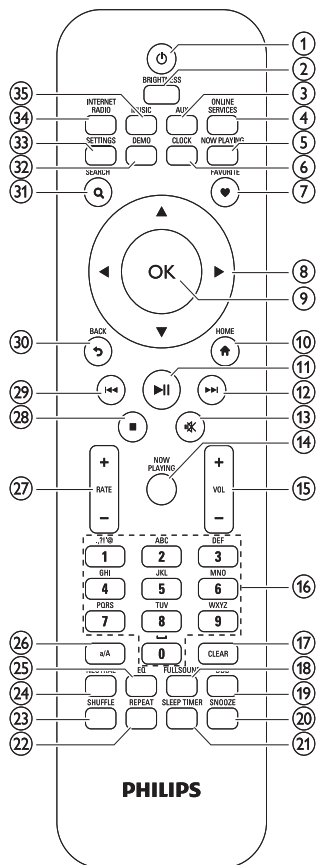
Rear view



- ① jack
- ② DIGITAL OUT (black) jack
- ③ LINE OUT (red/white) jacks
- ④ AUX IN L / R (red/white) jacks
- ⑤ POWER SUPPLY jack
- ⑥ ETHERNET jack

Remote control

You can control the NP2500 with the remote control.



- ① **⏻** (On / Standby)
- ② **BRIGHTNESS** (adjust the display illumination)
- ③ **AUX** (select the external source)
- ④ **ONLINE SERVICES** (go to the optional online services menu)
- ⑤ **NOW PLAYING** (go to the current play screen)
- ⑥ **CLOCK** (activate the time display)
- ⑦ **FAVORITE** (mark the current station as favorite)
- ⑧ **▲▼◀▶** (navigate)
- ⑨ **OK** (confirm)
- ⑩ **HOME** (go to the Home menu)
- ⑪ **▶||** (play/pause current file / SuperPlay™ current list)
- ⑫ **▶▶** (skip to the next file)
- ⑬ **⏸** (mute/unmute the sound)
- ⑭ **NOW PLAYING** (go to current play screen)
- ⑮ **+VOL -** (increase/decrease the play volume)
- ⑯ Alphanumeric buttons
- ⑰ **CLEAR** (press to delete the last character entry / press and hold to delete the whole line entry)
- ⑱ **FULLSOUND** (activate/deactivate FullSound™)
- ⑲ **DBB** (activate/deactivate Dynamic Bass Boost)
- ⑳ **SNOOZE** (stop the alarm sound for 15 minutes)
- ㉑ **SLEEP TIMER** (toggle through the sleep timer options)
- ㉒ **REPEAT** (toggle through the repeat play options)
- ㉓ **SHUFFLE** (activate/deactivate the random order play)
- ㉔ **NEUTRAL** (deactivate/activate all sound processes)
- ㉕ **EQ** (toggle through the preset equalizer options)
- ㉖ **a/A** (change shift for the alphanumeric entry)

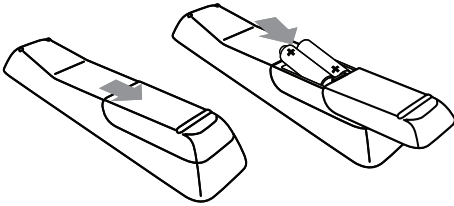
- ②7 +RATE – (increase/decrease rating of current music)
- ②8 ■ (stop)
- ②9 ⏮ (skip to the previous file / clear last entry)
- ③0 BACK ↩ (go back to the previous screen)
- ③1 SEARCH (search files)
- ③2 DEMO (activate the demo play)
- ③3 SETTINGS (go to the Settings menu)
- ③4 INTERNET RADIO (go to the Internet radio menu)
- ③5 MUSIC (go to the Music menu)

3 Prepare

Install remote control batteries

! Caution

- Risk of explosion! Keep batteries away from heat, sunshine or fire. Never discard batteries in fire.
- Risk of decreased battery life! Never mix different brands or types of batteries.
- Risk of product damage! When the remote control is not used for long periods, remove the batteries.



Position the NP2500

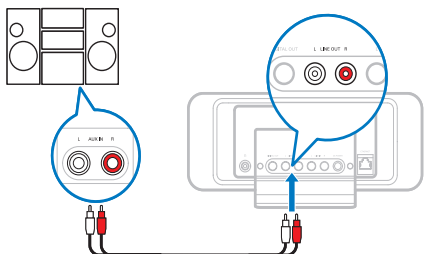
! Caution

- Risk of product damage! Place the NP2500 on a surface that is level, flat, and strong enough to support the NP2500.

4 Connect

Connect sound system

- 1 Use the supplied red and white audio cables to connect the AUX IN jacks of the sound system with the red and white LINE OUT jacks of the NP2500 (see 'Rear view' on page 8).



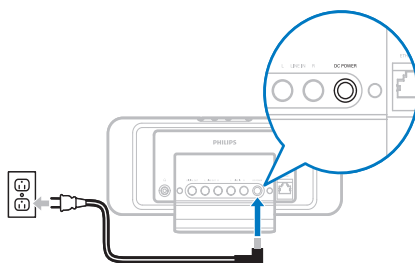
- 2 Set the source of the sound system to 'AUX'.
- 3 Control the sound system as you normally would.

Connect AC power

Warning

- Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back or the underside of the NP2500.

- 1 Connect the NP2500 to the power supply



- 2 Continue with the steps in chapter First-time setup.

Note

- The type plate information is located at the back or at the underside of the NP2500.

5 Turn On and Switch to Active standby / Eco standby

You can select from the following status options:

- **On** (the full display and the remote control are active, button LED is off)
- **Active standby** (the clock display and the remote control are active, button LED is red)
- **Eco standby** (the display and the remote control are deactivated, button LED is off)

In status **On** or **Active standby**,

- press the ϕ on the remote control to toggle the NP2500 between **Active standby** and **On**.
- press and hold the ϕ on the NP2500 to switch the NP2500 to **Eco standby**.

In status **Eco standby**,

- press the ϕ button on the NP2500 or on the remote control to turn the NP2500 **On**.



Note

- In stop (idle) mode, if no buttons are pressed for 20 minutes, the NP2500 switches to Active standby.

6 First-time setup

This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.
- Press **BACK** **↩** to go back to the previous screen.
- Press **HOME** to go to the Home menu.

When you connect the NP2500 to the power supply for the first time, the NP2500 displays the prompt for the language selection.

- 1 Select the language and confirm.
 - ↳ The NP2500 displays the prompt for the optional demo play.
You have two options:
 - View the demo. (see 'View the demo' on page 14)
 - Complete the first-time setup. (see 'First-time connection to home network' on page 14)



Tip

- After the first-time set-up, you can change the language in the Settings menu.

View the demo

- 1 Select “[Yes, show me the demo]”, to view the demo.
 - ↳ The demo plays continuously until you exit the demo play.
- 2 To exit the demo play, press **⏻**.



Note

- The NP2500 remains in first-time setup status until you select **[No]** to decline the demo play.
- You can start the demo play again with the **DEMO** button on the remote control or in the Settings menu of the NP2500.

First-time connection to home network

After you select **[No]** to decline to view the demo, the NP2500 prompts you to select your location / time zone. The NP2500 also reminds you to register the NP2500 at www.philips.com/welcome and to install the PC software.

This is how to navigate and select with the remote control:


- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.
- Press **BACK** **↩** to go back to the previous screen.
- Press **HOME** to go to the Home menu.

- 1 Select the location / time zone and confirm.
 - ↳ The NP2500 shows the prompt for the network connection.
- 2 Select **[Yes]**, to create a connection to the network.
 - ↳ The NP2500 shows the prompt for the network setup (if no network has been set up yet).
 - ↳ Select **[No]** to exit the setup and go to the Home menu.
- 3 Continue with one of the following options:
 - First-time setup: Wireless network connection with automatic IP address (see 'First-time setup: Wireless connection with automatic IP address' on page 15)
 - ↳ This setup requires the following:

- ↳ A wireless access point or wireless router with broadband Internet access
- ↳ Manual entry of your encryption key (for encrypted network connections only)
- First-time setup: Wireless network connection with static IP address (see 'First-time setup: Wireless connection with static IP address' on page 16)
 - ↳ This setup requires the following:
 - ↳ A wireless access point or wireless router with broadband Internet access
 - ↳ Manual entry of your IP address.
 - ↳ Manual entry of your encryption key (for encrypted network connections only)
- First-time setup: Wired (Ethernet) network connection with automatic IP address (see 'First-time setup: Wired connection with automatic IP address' on page 17)
 - ↳ This setup requires the following:
 - ↳ A wired access point or wired router with broadband Internet access and a free Ethernet port
 - ↳ An Ethernet cable (sold separately).
- First-time setup: Wired (Ethernet) network connection with static IP address (see 'First-time setup: Wired connection with static IP address' on page 17)
 - ↳ This setup requires the following:
 - ↳ A wired access point or wired router with broadband Internet access and a free Ethernet port
 - ↳ Manual entry of your IP address.
 - ↳ An Ethernet cable (sold separately).

First-time setup: Wireless connection with automatic IP address

This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
 - Press **OK** to confirm a selection.
 - Press **BACK**  to go back to the previous screen.
 - Press **HOME** to go to the Home menu.
- The alphanumeric buttons of the remote control are multi-function buttons:
- To select a number or an alphanumeric character; press a button once or more until you see the number or alphabetic character in the display of the NP2500.
 - To cycle through the alphanumeric characters that are available, press a button repeatedly.
 - To delete the last character entry from the display, press **CLEAR**.
 - To delete the whole last line entry from the display, press and hold **CLEAR**.
- The onscreen display guides you through the process of connecting the NP2500 to your home network and the Internet. This section describes the typical wireless setup with automatic IP address. You can also follow the onscreen prompts for advanced configurations that are not described in this manual.
- Ensure that your network name and network password or encryption key are available.

- 1** Turn on your wireless access point or wireless router with broadband Internet access.
- 2** Follow the steps in chapter First-time connection to home network (see 'First-time connection to home network' on page 14) until the NP2500 shows the prompt for the network setup.
- 3** Select **[Wireless (WiFi)]** to start the network setup process.
 - ↳ The NP2500 searches for networks.
- 4** Select your network from the list of found networks and confirm.
 - Enter the encryption key (if required) and confirm.

- The NP2500 acquires the automatic IP address.
- The NP2500 shows the confirmation for the connection to the network.
- The NP2500 shows the prompt for the connection to the Internet.

- 5** Select **[Yes]** to connect to the Internet.
 ↳ The NP2500 shows the confirmation for the connection to the Internet.

 **Note**

- You can enter more than one encryption key. In this case, the NP2500 prompts you to select the default encryption key.

First-time setup: Wireless connection with static IP address

This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.
- Press **BACK** **↵** to go back to the previous screen.
- Press **HOME** to go to the Home menu.

The alphanumeric buttons of the remote control are multi-function buttons:

- To select a number or an alphanumeric character, press a button once or more until you see the number or alphabetic character in the display of the NP2500.
- To cycle through the alphanumeric characters that are available, press a button repeatedly.
- To delete the last character entry from the display, press **CLEAR**.
 - To delete the whole last line entry from the display, press and hold **CLEAR**.

The onscreen display guides you through the process of connecting the NP2500 to your home network and

the Internet. This section describes the typical wireless setup with static IP address. You can also follow the onscreen prompts for advanced configurations that are not described in this manual.

- Ensure that your network name and network password or encryption key are available.

- 1** Turn on your wireless access point or wireless router with broadband Internet access.
- 2** Follow the steps in chapter First-time connection to home network (see 'First-time connection to home network' on page 14) until the NP2500 shows the prompt for the network setup.
- 3** Select **[Wireless (WiFi)]** to start the network setup process.
 ↳ The NP2500 searches for networks.
- 4** Select your network from the list of found networks and confirm.
 - Enter the encryption key (if required) and confirm.
 - The NP2500 tries to acquire an automatic IP address.
- 5** Press **BACK** **↵** to enter your IP address manually.
- 6** Enter your static IP address and confirm.
 ↳ The NP2500 shows the confirmation for the connection to the network.
 ↳ The NP2500 shows the prompt for the connection to the Internet.
- 7** Select **[Yes]** to connect to the Internet.
 ↳ The NP2500 shows the confirmation for the connection to the Internet.

 **Note**

- You can enter more than one encryption key. In this case, the NP2500 prompts you to select the default encryption key.

First-time setup:Wired connection with automatic IP address

This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.
- Press **BACK** **↶** to go back to the previous screen.
- Press **HOME** to go to the Home menu.

The alphanumeric buttons of the remote control are multi-function buttons:

- To select a number or an alphanumeric character, press a button once or more until you see the number or alphabetic character in the display of the NP2500.
- To cycle through the alphanumeric characters that are available, press a button repeatedly.
- To delete the last character entry from the display, press **CLEAR**.
 - To delete the whole last line entry from the display, press and hold **CLEAR**.

The onscreen display guides you through the process of connecting the NP2500 to your home network and the Internet. This section describes the typical wired setup with automatic IP address. You can also follow the onscreen prompts for advanced configurations that are not described in this manual.

- 1 Connect an Ethernet cable (sold separately) to the ETHERNET jack of the NP2500 (see 'Rear view' on page 8) and the Ethernet jack of the wired router.
- 2 Ensure that the wired router is turned on and has broadband Internet access.
- 3 Follow the steps in chapter First-time connection to home network (see 'First-time connection to home network' on page 14) until the NP2500 shows the prompt for the network setup.

- 4 Select **[Wired (Ethernet)]** to start the network setup process.
 - ↳ The NP2500 acquires the automatic IP address.
 - ↳ The NP2500 shows the confirmation for the connection to the network.
 - ↳ The NP2500 shows the prompt for the connection to the Internet.
- 5 Select **[Yes]** to connect to the Internet.
 - ↳ The NP2500 shows the confirmation for the connection to the Internet.

First-time setup:Wired connection with static IP address

This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.
- Press **BACK** **↶** to go back to the previous screen.
- Press **HOME** to go to the Home menu.

The alphanumeric buttons of the remote control are multi-function buttons:

- To select a number or an alphanumeric character, press a button once or more until you see the number or alphabetic character in the display of the NP2500.
- To cycle through the alphanumeric characters that are available, press a button repeatedly.
- To delete the last character entry from the display, press **CLEAR**.
 - To delete the whole last line entry from the display, press and hold **CLEAR**.

The onscreen display guides you through the process of connecting the NP2500 to your home network and the Internet. This section describes the typical wired setup with static IP address. You can also follow the onscreen prompts for advanced

configurations that are not described in this manual.

- 1 Connect an Ethernet cable (sold separately) to the ETHERNET jack of the NP2500 (see 'Rear view' on page 8) and the Ethernet jack of the wired router.
- 2 Ensure that the wired router is turned on and has broadband Internet access.
- 3 Follow the steps in chapter First-time connection to home network (see 'First-time connection to home network' on page 14) until the NP2500 shows the prompt for the network setup.
- 4 Select [**Wired (Ethernet)**] to start the network setup process.
 - ↳ The NP2500 tries to acquire an automatic IP address.
 - ↳ Press **BACK** ↩ to enter your IP address manually.
- 5 Enter your static IP address and confirm.
 - ↳ The NP2500 shows the confirmation for the connection to the network.
 - ↳ The NP2500 shows the prompt for the connection to the Internet.
- 6 Select [**Yes**] to connect to the Internet.
 - ↳ The NP2500 shows the confirmation for the connection to the Internet.

7 Play

You need the remote control to play music. This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.
- Press **BACK** **↩** to go back to the previous screen.
- Press **HOME** to go to the Home menu.

The play and pause operations on the remote control of the NP2500 are the same for any music source that you choose:

- 1 Press **HOME**.
- 2 Select the source.
- 3 Select the options.
- 4 Press **▶||** to play.
- 5 Press to play.
 - Press **▶||** to toggle between pause and play.
- 6 Press **■** to stop.



Tip

- The following chapters explain the play options and music sources that are available.

Adjust volume

- 1 During play, press **+VOL** **-** to adjust the volume.

Mute the sound

- 1 During play, press **MUTE** to toggle the sound off and on.

Shuffle play

You can play the audio files of the current selection in random order (shuffled).

- 1 During play, press **SHUFFLE** to toggle the shuffle function on and off.

Repeat play

You can repeat one or all audio files of the current selection.

- 1 In play mode, press **REPEAT** to toggle the repeat function as follows:
 - **[Repeat 1]**
 - The current audio file is continuously repeated until another mode or setting is selected.
 - **[Repeat all]**
 - All audio files of the current selection are continuously repeated until another mode or setting is selected.
 - **[Off]** (default)
 - Audio files are played once (normal play).

Wirelessly stream music from a computer

You can wirelessly stream music to the NP2500 from a connected computer, if you install TwonkyMedia™ on the computer and configure the computer to share your music. (If TwonkyMedia™ is already installed on the computer, you can skip the installation section and continue with the configuration. For any other media players, refer to the instructions supplied with the player.)

TwonkyMedia™ is a registered trademark of Packet Video™ Corporation. All rights reserved. © Packet Video Corporation, 10350 Science Center Drive, San Diego, California, USA.

Install Twonky Media Server

- 1 On the computer, insert the supplied software CD.
↳ Installation starts.
- 2 Follow the instructions on the computer to install the **TwonkyMedia™ Server**.

Configure a PC to share music

You can share music from a PC with the NP2500. This chapter shows you how to configure the PC to share music.

- 1 Follow the instructions in chapter Install the TwonkyMedia™ Server (see 'Install Twonky Media Server' on page 20).
- 2 On the PC, click **Start > Programs > TwonkyMedia™ Server > Run TwonkyMedia™ Server**.
- 3 Click the TwonkyMedia™ Server icon in the task bar.
- 4 Choose **TwonkyMedia™ Settings**.
- 5 In the **Basic Setup** of the Configuration Page, click on **Sharing**.
↳ The content directories are scanned.
 - To manually locate the music, click **Browse**.
 - To manually add a new content directory, click **Add new content directory**.
 - To save the changes, press **Save Changes**.
- 1 On the remote control of the NP2500, press **HOME**.
- 2 Select **[Music]** and confirm with **OK**.
↳ The display shows **[Searching for UPnP music servers...]**, followed by the list of media servers.
- 3 Press **▲▼** to select the server name and confirm with **OK**.



Tip

- The TwonkyMedia™ sharing page lets you set the rescan behavior of the server. The default setting is -1 minute, which ensures auto-scan.

Configure a MAC to share music

You can share music from a MAC with the NP2500. This chapter shows you how to configure the MAC to share music.

- 1 Follow the instructions in chapter Install the TwonkyMedia™ Server (see 'Install Twonky Media Server' on page 20).
- 2 On the MAC, click **Go > Applications > TwonkyMedia™ Server**.
- 3 Click the TwonkyMedia™ Server icon in the task bar.
- 4 Choose **TwonkyMedia™ Settings**.
- 5 In the **Basic Setup** of the Configuration Page, click on **Sharing**.
↳ The content directories are scanned.
 - To manually locate the music, click **Browse**.
 - To manually add a new content directory, click **Add new content directory**.
 - To save the changes, press **Save Changes**.
- 1 On the remote control of the NP2500, press **HOME**.
- 2 Select **[Music]** and confirm with **OK**.
↳ The display shows **[Searching for UPnP music servers...]**, followed by the list of media servers.
- 3 Press **▲▼** to select the server name and confirm with **OK**.



Note

- The TwonkyMedia™ sharing page lets you set the rescan behavior of the server. The default setting is -1 minute, which ensures auto-scan.

Alphanumeric search

You can perform an alphanumeric search for specific audio files on a connected UPnP device. This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.

- Press **BACK** ↩ to go back to the previous screen.
- Press **HOME** to go to the Home menu.

The alphanumeric buttons of the remote control are multi-function buttons:

- To select a number or an alphanumeric character, press a button once or more until you see the number or alphabetic character in the display of the NP2500.
- To cycle through the alphanumeric characters that are available, press a button repeatedly.
- To delete the last character entry from the display, press **CLEAR**.
 - To delete the whole last line entry from the display, press and hold **CLEAR**.

This is how to use the alphanumeric search feature:

- 1 Turn on the NP2500.
- 2 Press **MUSIC**.
↳ The display shows the available servers.
- 3 Select the server.
↳ The display shows the available lists.
- 4 Select the list.
- 5 Press **SEARCH**.
↳ The display shows a text box.
- 6 Press the alphanumeric buttons on the remote control to enter the search word.
- 7 Press **OK** to start the search.
↳ The NP2500 shows the closest alphabetical match.
- 8 To stop the search, press **■**.
 - Press **HOME** to go to the Home menu.

Internet radio



Note

- Internet radio features require broadband Internet access.

Listen to Internet radio

- 1 Turn on the NP2500.
- 2 Ensure that the NP2500 is connected to broadband Internet.
- 3 Press **INTERNET RADIO** to view the options menu
 - **[Search]** (lets you search for Internet radio stations)
 - **[Favorite stations]** (lists the Internet radio stations that you have marked as Favorite Station)
 - **[All stations]** (lists all Internet radio stations, categorized by genres)
 - **[Recommended stations]** (lists recommended Internet radio services stations)
 - **[My Media]** (lists the Internet radio stations that you have entered at **Club Philips** under **Streamium Management**)
- 4 Press **▲▼** to select the option, then press **OK**.
 - To listen to a specific Internet radio station, select option **[Search]**, then use the alphanumeric buttons to enter the radio station name.
 - Press **HOME** to go to the Home menu.



Note

- **Club Philips** lets you select and manage favorite stations from a list of available Internet radio stations under **Streamium Management**.
- Internet radio features require broadband Internet access.

Mark radio stations as Favorites

You can mark Internet radio stations as your Favourites so next time you want to listen to a station, it is easy to find.

- 1 Turn on the NP2500.
- 2 Ensure that the NP2500 is connected to broadband Internet.
- 3 When you listen to Internet radio, press **FAVORITE** to mark the station.
 - Press **HOME** to go to the Home menu.
 - The next time you connect to the Internet radio, the radio station is shown in the Favorite Stations menu.

Note

- Internet radio features require broadband Internet access.

Tip

- You can also place bookmarks for Internet radio stations when you log on at www.philips.com/welcome and on the registered product site click the link **Streamium Management**.

Listen to Favorite Stations

When you place bookmarks for Internet radio stations, you can find them under Favorite Stations.

- 1 Turn on the NP2500.
- 2 Ensure that the NP2500 is connected to broadband Internet.
- 3 Press **INTERNET RADIO**.
- 4 Select **[Favorite stations]**.
- 5 Select the station.
 - Press **HOME** to go to the Home menu.

Note

- Internet radio features require broadband Internet access.

Remove a Favorite Station

You can remove Internet radio stations from your Favorites:

- 1 While listening to an Internet radio station that is bookmarked as a Favorite, press **CLEAR**.
 - ↳ The current station is no longer bookmarked as a Favorite.

Note

- Internet radio features require broadband Internet access.

Manually add Internet radio stations

This chapter explains how to register with Philips and add individual URL addresses for Internet radio stations on the PC.

- 1 Ensure that the NP2500 is turned on.
- 2 Ensure that the NP2500 is connected to the Internet.
- 3 On the NP2500, select **[Settings] > [Registration information] > [User registration]**.
 - ↳ The registration display is shown.
- 4 Press alphanumeric buttons on the remote control to enter your valid email address.
- 5 Press **OK**.
 - ↳ The display confirms the automated email dispatch to your mailbox.
- 6 Check the email inbox for a message from **ConsumerCare@Philips.com** with the subject **Your Streamium Registration....**

7 Follow the instructions in the email to complete your registration process on the Philips website.

8 On the registered product site, click the link **Streamium Management**.

9 Select **My Media**.

10 Click on the tab **Music**.

11 Enter the URL address of Internet radio station in the first column.

12 Enter a nickname in the second column.
↳ The nickname is the Internet radio stations identification that is displayed the NP2500.

13 Enter a description in the third column.

14 Click on **Save** to confirm your entries.

Note

- If the manually added Internet radio station is available and broadcast in a compatible format, you can listen to it on the NP2500.
- You can find the manually added Internet radio stations in the My Media list on the NP2500.
- Internet radio features require broadband Internet access.

Listen to My Media

When you manually add an Internet radio station, the Internet radio station is found under **[My Media]**.

1 Turn on the NP2500.

2 Ensure that the NP2500 is connected to broadband Internet.

3 Press **INTERNET RADIO**.

4 Select **[My Media]**.

↳ The display shows the list of Internet radio stations stored under **[My Media]**.

5 Press **OK** to start play.

- Press **HOME** to go to the Home menu.

Note

- The feature **My Media** requires registration with **Club Philips**.
- Internet radio features require broadband Internet access.

Listen to Rhapsody® music services

Note

- This feature requires broadband Internet access.
- This feature requires a Rhapsody® account.
- This feature is only available in some regions.

Rhapsody® is an on-line music service that offers streaming on-demand access to its library of digital music. You can use this online service with your NP2500.

Available features can include:

- **[My Library]** (built from your Rhapsody Music Library)
- **[Channels]** (lets you select virtual Internet radio channels with different genre options and other features)
- **[Search]** (lets you search for music in the Rhapsody Music Library)
- **[Music guide]** (guides you through the Rhapsody Music Services)
- **[My Rhapsody]** (featuring items such as customized albums, dynamic playlist, ratings and history)
- **[Playlists]** (lets you create and select your own playlists)
- **[Account management]** (helps you manage your Rhapsody Account)

1 Ensure that the NP2500 is turned on.

2 Ensure that the NP2500 is connected to the Internet.

3 Press **HOME**.

4 Select **[Music Services] > [Rhapsody]**.

5 Follow the on-screen

- **[Rhapsody]** instructions to select the services available to you.

- **[Account Management]** instructions to sign in with a full account.
- 6** Press **▲** or **▼**, then **OK** to select.
- To return to the Home menu, press **HOME**.

 **Note**

- The on-line Rhapsody® services that are available depend on the type of account you hold.
- Rhapsody® and the Rhapsody logo are registered trademarks of RealNetworks, Inc.

Rate Rhapsody® music

You can use the remote control to rate the music.

- 1** While you navigate through Rhapsody® music on the NP2500, press **+RATE -** to rate the current track in the display.
- ↳ The selected rating is indicated in stars.
 - ↳ Press **HOME** to go to the Home menu.

 **Note**

- The on-line Rhapsody® services that are available depend on the type of account you hold.

8 Settings

The following settings are available to you:

- [Play mode]
- [Sound settings]
- [Display settings]
- [Album art]
- [Clicker sound]
- [Clock settings]
- [Network settings]
- [Location and time zone]
- [Language]
- [User registration]
- [Check for software upgrades]
- [Demo mode]
- [Information]
- [Call centre numbers]
- [Restore factory settings]

This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.
- Press **BACK** **↩** to go back to the previous screen.
- Press **HOME** to go to the Home menu.

This is how you change settings:

- 1 Turn on the NP2500.
- 2 Press **SETTINGS**.
- 3 Select menu option and confirm.

Play mode

The NP2500 offers play mode options that can be toggled with buttons on the remote control.

- Shuffle play (see 'Shuffle play' on page 19)
 - Repeat play (see 'Repeat play' on page 19)
- You can also change the play mode options in the Settings menu:

- 1 Press **SETTINGS**, to go to the Settings menu.

- 2 Select
 - [Repeat] or
 - [Shuffle].
- 3 Select your option and confirm.

Sound settings

The sound settings of the NP2500 offer the following options:

- Equalizer (see 'Equalizer settings' on page 25)

Equalizer settings

You can choose between the following equalizer options:

- [FullSound]*
- [Dynamic Bass Boost]
- [Rock]
- [Pop]
- [Jazz]
- [Classic]
- [Off]

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select [Sound settings] > [Equalizer].
- 3 Select a menu option and confirm.



Note

- *The **FullSound™** feature requires that all sound processing features and equalizer settings of connected stereo systems are disabled or neutralized.

Display settings

The display settings of the NP2500 offer the following display illumination options:

- Brightness when the NP2500 is turned on. (see 'Brightness settings when the NP2500 is turned on' on page 26)

- Brightness when the NP2500 is switched to standby; (see 'Brightness settings when the NP2500 is switched to standby' on page 26)

Brightness settings when the NP2500 is turned on

You can choose between the following brightness 'when on' settings:

- [BRIGHT]
 - [DIM]
- 1 Press **SETTINGS**, to go to the Settings menu.
 - 2 Select [Brightness when on].
 - 3 Select a menu option and confirm.

Brightness settings when the NP2500 is switched to standby

You can choose between the following brightness 'when standby' settings:

- [BRIGHT]
 - [DIM]
 - [Off]
- 1 Press **SETTINGS**, to go to the Settings menu.
 - 2 Select [Brightness when standby].
 - 3 Select a menu option and confirm.

Clicker sound

The NP2500 can give you an audible feedback (clicker sound) every time you press a button on the remote control.

You can toggle the clicker sound on or off:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select [Clicker sound].
- 3 Highlight the option, then press **OK**.

Album art

The NP2500 can display album art as a background or as a thumbnail in the music play screen. Album art must be available to be displayed. For albums without available album art, the NP2500 displays a default icon.

You can toggle the album art display on or off:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select [Album art].
- 3 Highlight the option, then press **OK**.

Clock settings

The NP2500 has a clock with alarm functions. The clock must be set for the alarm function to be functional.

This is how to set the clock:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select [Clock settings] > [Date and time], to enter the date and time settings.
- 3 You can select the following options:
 - [Current date and time] > [Automatic (Internet)], to sync the time automatically via the Internet (requires Internet connection).
 - [Current date and time] > [Manual], to set the time manually.

To set the date and time manually:

- 1 Press **▲** or **▼** to adjust the setting.
- 2 Press **OK** to confirm.
In the date and time settings, you can set the following formats:
 - [Time format] - Set your option in the time format sub-menu.
 - [Date format] - Set your option in the date format sub-menu.
 - [Daylight saving time] - Mark the box to select this option.

Alarm settings

The NP2500 has an alarm function. The clock must be set for the alarm function to be functional.

This is how to set the alarm:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select [**Clock settings**] > [**Alarm**], to enter the alarm settings.
- 3 You can select the following options:
 - [**Alarm off**] (default)
 - [**Music**]
 - [**Buzzer**]

To set the alarm time:

- 1 Press **▲** or **▼** to adjust the setting.
- 2 Press **OK** to confirm.

Network settings

You can choose between different setups. This manual explains the following options:

- Wireless network connection with automatic IP address (see 'Wireless connection with automatic IP address' on page 27)
 - ↳ This is the most common network setup.
 - ↳ This setup requires the following:
 - ↳ A wireless access point or wireless router with broadband Internet access
 - ↳ Manual entry of your encryption key (for encrypted network connections only)
- Wireless network connection with static IP address (see 'Wireless connection with static IP address' on page 28)
 - ↳ This setup requires the following:
 - ↳ A wireless access point or wireless router with broadband Internet access
 - ↳ Manual entry of your IP address.

- ↳ Manual entry of your encryption key (for encrypted network connections only)

- Wired (Ethernet) network connection with automatic IP address (see 'Wired connection with automatic IP address' on page 29)
 - ↳ This setup requires the following:
 - ↳ A cable modem or PC with broadband Internet access and a free Ethernet port
 - ↳ An Ethernet cable (sold separately).
- Wired (Ethernet) network connection with static IP address (see 'Wired connection with static IP address' on page 29)
 - ↳ This setup requires the following:
 - ↳ A cable modem or PC with broadband Internet access and a free Ethernet port
 - ↳ An Ethernet cable (sold separately).
 - ↳ Manual entry of your IP address.

Wireless connection with automatic IP address

This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.
- Press **BACK** **↶** to go back to the previous screen.
- Press **HOME** to go to the Home menu.

The alphanumeric buttons of the remote control are multi-function buttons:

- To select a number or an alphanumeric character, press a button once or more until you see the number or alphabetic character in the display of the NP2500.
- To cycle through the alphanumeric characters that are available, press a button repeatedly.
- To delete the last character entry from the display, press **CLEAR**.

- To delete the whole last line entry from the display, press and hold **CLEAR**.

The onscreen display guides you through the process of connecting the NP2500 to your home network and the Internet. This section describes the typical wireless setup with automatic IP address. You can also follow the onscreen prompts for advanced configurations that are not described in this manual.


- 1 Ensure that your network name and network password or encryption key are available.
- 2 Turn on your wireless access point or wireless router with broadband Internet access.
- 3 Turn on the NP2500.
- 4 Press **SETTINGS**, to go to the Settings menu.
- 5 Select **[Wireless (WiFi)]** to start the network setup process.
 - ↳ The NP2500 searches for networks.
- 6 Select your network from the list of found networks and confirm.
 - Enter the encryption key (if required) and confirm.
 - The NP2500 acquires the automatic IP address.
 - The NP2500 shows the confirmation for the connection to the network.
 - The NP2500 shows the prompt for the connection to the Internet.
- 7 Select **[Yes]** to connect to the Internet.
 - ↳ The NP2500 shows the confirmation for the connection to the Internet.

Note

- You can enter more than one encryption key. In this case, the NP2500 prompts you to select the default encryption key.

Wireless connection with static IP address

This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.
- Press **BACK**  to go back to the previous screen.
- Press **HOME** to go to the Home menu.

The alphanumeric buttons of the remote control are multi-function buttons:

- To select a number or an alphanumeric character, press a button once or more until you see the number or alphabetic character in the display of the NP2500.
- To cycle through the alphanumeric characters that are available, press a button repeatedly.
- To delete the last character entry from the display, press **CLEAR**.
 - To delete the whole last line entry from the display, press and hold **CLEAR**.

The onscreen display guides you through the process of connecting the NP2500 to your home network and the Internet. This section describes the typical wireless setup with static IP address. You can also follow the onscreen prompts for advanced configurations that are not described in this manual.

- 1 Ensure that your network name and network password or encryption key are available.
- 2 Turn on your wireless access point or wireless router with broadband Internet access.
- 3 Turn on the NP2500.
- 4 Press **SETTINGS**, to go to the Settings menu.
- 5 Select **[Wireless (WiFi)]** to start the network setup process.

- ↳ The NP2500 searches for networks.
- 6** Select your network from the list of found networks and confirm.
 - Enter the encryption key (if required) and confirm.
 - The NP2500 tries to acquire an automatic IP address.
- 7** Press **BACK** ↵ to enter your IP address manually.
- 8** Enter your static IP address and confirm.
 - ↳ The NP2500 shows the confirmation for the connection to the network.
 - ↳ The NP2500 shows the prompt for the connection to the Internet.
- 9** Select [**Yes**] to connect to the Internet.
 - ↳ The NP2500 shows the confirmation for the connection to the Internet.

Note

- You can enter more than one encryption key. In this case, the NP2500 prompts you to select the default encryption key.

Wired connection with automatic IP address

This is how to navigate and select with the remote control:

- Press ▲ or ▼ to select a menu option.
- Press **OK** to confirm a selection.
- Press **BACK** ↵ to go back to the previous screen.
- Press **HOME** to go to the Home menu.

The alphanumeric buttons of the remote control are multi-function buttons:

- To select a number or an alphanumeric character, press a button once or more until you see the number or alphabetic character in the display of the NP2500.
- To cycle through the alphanumeric characters that are available, press a button repeatedly.

- To delete the last character entry from the display, press **CLEAR**.
 - To delete the whole last line entry from the display, press and hold **CLEAR**.

The onscreen display guides you through the process of connecting the NP2500 to your home network and the Internet. This section describes the typical wired setup with automatic IP address. You can also follow the onscreen prompts for advanced configurations that are not described in this manual.

- 1** Connect an Ethernet cable (sold separately) to the ETHERNET jack of the NP2500 (see 'Rear view' on page 8) and the Ethernet jack of the wired router.
- 2** Ensure that the wired router is turned on and has broadband Internet access.
- 3** Turn on the NP2500.
- 4** Press **SETTINGS**, to go to the Settings menu.
- 5** Select [**Wired (Ethernet)**] to start the network setup process.
 - ↳ The NP2500 acquires the automatic IP address.
 - ↳ The NP2500 shows the confirmation for the connection to the network.
 - ↳ The NP2500 shows the prompt for the connection to the Internet.
- 6** Select [**Yes**] to connect to the Internet.
 - ↳ The NP2500 shows the confirmation for the connection to the Internet.

Wired connection with static IP address

This is how to navigate and select with the remote control:

- Press ▲ or ▼ to select a menu option.
- Press **OK** to confirm a selection.

- Press **BACK** ↩ to go back to the previous screen.
- Press **HOME** to go to the Home menu.

The alphanumeric buttons of the remote control are multi-function buttons:

- To select a number or an alphanumeric character, press a button once or more until you see the number or alphabetic character in the display of the NP2500.
- To cycle through the alphanumeric characters that are available, press a button repeatedly.
- To delete the last character entry from the display, press **CLEAR**.
 - To delete the whole last line entry from the display, press and hold **CLEAR**.

The onscreen display guides you through the process of connecting the NP2500 to your home network and the Internet. This section describes the typical wired setup with static IP address. You can also follow the onscreen prompts for advanced configurations that are not described in this manual.

- 1 Connect an Ethernet cable (sold separately) to the ETHERNET jack of the NP2500 (see 'Rear view' on page 8) and the Ethernet jack of the wired router.
- 2 Ensure that the wired router is turned on and has broadband Internet access.
- 3 Turn on the NP2500.
- 4 Press **SETTINGS**, to go to the Settings menu.
- 5 Select **[Wired (Ethernet)]** to start the network setup process.
 - ↳ The NP2500 tries to acquire an automatic IP address.
 - ↳ Press **BACK** ↩ to enter your IP address manually.
- 6 Enter your static IP address and confirm.

- ↳ The NP2500 shows the confirmation for the connection to the network.
- ↳ The NP2500 shows the prompt for the connection to the Internet.

- 7 Select **[Yes]** to connect to the Internet.
 - ↳ The NP2500 shows the confirmation for the connection to the Internet.

Location and time zone

This is how you can change the location and time zone settings of the NP2500:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select **[Location and time zone]**.
- 3 Select a menu option and confirm.
 - ↳ The NP2500 applies the new location and time zone settings.
 - ↳ Press **BACK** ↩ to go back to the previous screen.
 - ↳ Press **HOME** to go to the Home menu.

Language

This is how you can change the language of the display:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select **[Language]**.
- 3 Select a menu option and confirm.
 - ↳ The display language changes to the new setting.
 - ↳ Press **BACK** ↩ to go back to the previous screen.
 - ↳ Press **HOME** to go to the Home menu.

Register the NP2500

Registration of the NP2500 requires a valid email address and mailbox access.

This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.
- Press **BACK** **↩** to go back to the previous screen.
- Press **HOME** to go to the Home menu.

The alphanumeric buttons of the remote control are multi-function buttons:

- To select a number or an alphanumeric character, press a button once or more until you see the number or alphabetic character in the display of the NP2500.
- To cycle through the alphanumeric characters that are available, press a button repeatedly.
- To delete the last character entry from the display, press **CLEAR**.
 - To delete the whole last line entry from the display, press and hold **CLEAR**.

This is how you can register the NP2500 with Philips:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select **[Register now]**.
 - ↳ The item prompts you to enter a valid email address.
- 3 Enter your email address and confirm.
 - ↳ The item shows a confirmation and prompts you to check the inbox of your email account.

Unregister the NP2500

This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **OK** to confirm a selection.

- Press **BACK** **↩** to go back to the previous screen.
- Press **HOME** to go to the Home menu.

This is how you can unregister the NP2500 with Philips:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select **[Unregister]**.
 - ↳ The NP2500 prompts you to confirm.
- 3 Confirm to unregister.
 - ↳ The item shows a confirmation that the NP2500 is unregistered with your email account.

Registration information

This is how you can check the registration status of the NP2500:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select **[Registration information]**.
 - ↳ The NP2500 shows the registration information.
 - ↳ Press **BACK** **↩** to go back to the previous screen.
 - ↳ Press **HOME** to go to the Home menu.

Check for software upgrades

This is how to navigate and select with the remote control:

- Press **▲** or **▼** to select a menu option.
- Press **▶** to confirm a selection.
 - Press **OK** to confirm an alphanumeric entry.
- Press **HOME** to go to the Home menu.

This is how you can check for software updates for the NP2500:

- 1 Ensure that the NP2500 is connected to the Internet.

- 2 Press **SETTINGS**, to go to the Settings menu.
- 3 Select [**Check for software upgrades**] and confirm.
 - ↳ The NP2500 checks for a new software version.
- 4 Read the information shown in the display of the NP2500.

New software is available for the NP2500:

- 1 Follow the instructions shown in the display to complete the update.
 - ↳ The NP2500 prompts you to accept the conditions and download of the software.
 - ↳ The NP2500 restarts after the update.

Note

- Mandatory updates do not require your acceptance or confirmation.

The NP2500 already has the latest software installed:

- Press **BACK** ↩ to go back to the previous screen.
 - Press **HOME** to go to the Home menu.

Information

This is how you can find information about the NP2500:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select [**Information**].
- 3 Press **OK** to confirm.
 - ↳ The device information is shown on the display of the NP2500.
 - ↳ Press **BACK** ↩ to go back to the previous screen.
 - ↳ Press **HOME** to go to the Home menu.

Demo mode

You can access the demo mode in the Settings menu:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select [**Demo mode**].
 - ↳ The demo plays continuously until you exit the demo play.
- 3 To exit the demo play, press **⏻**.

Tip

- You can start the demo play more quickly with the **DEMO** button on the remote control.

Call center numbers

This is how you can find the call center numbers:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select [**Call centre numbers**].
- 3 Press **OK** to confirm.
 - ↳ The call center numbers are shown on the display of the NP2500.
 - ↳ Press **BACK** ↩ to go back to the previous screen.
 - ↳ Press **HOME** to go to the Home menu.

Restore factory settings

Caution

- The following procedure erases all custom settings and resets the NP2500 to the original status as set by the factory.

This is how to restore the factory settings of the NP2500:

- 1 Press **SETTINGS**, to go to the Settings menu.
- 2 Select [**Restore factory settings**].
- 3 Select [**Yes**] to reconfirm.
 - ↳ The NP2500 restarts.
 - ↳ The factory settings of the NP2500 are restored.

9 Maintenance

This chapter tells you how to care for your NP2500.

Cleaning



Note

- Avoid moisture and abrasion.

- 1 Clean the NP2500 only with a soft dry cloth.

10 Technical data

General

AC Power	Voltage information is printed on the back or the underside of the NP2500.
DC Power	5 V / 1 A
Dimensions (w x h x d)	252.5 x 99 x 34 mm
Weight (net)	Main unit: ~ 0.46 kg

Power consumption

On	< 5 W
Standby (active)	< 4 W
ECO (passive) standby	< 1 W

Audio output

Line out	2x cinch, 500 mV (output level can be adjusted), 20 - 20,000 Hz
SPDIF	1x cinch (coax), 0.5 V, 75 Ω
Headphones	1x 3.5 mm jack 30 - 18,000 Hz 16 - 150 Ω
Signal to noise ratio (line out)	typically 85 dBA (IEC)
Signal to noise ratio (headphones)	typically 85 dBA (IEC)
Distortion (line out / headphones)	< 0.15 %

Audio input

Aux in (line in)	2x cinch
Input sensitivity	500 mV
Input impedance	> 10 k Ω

Wireless

Wireless standard	802.11g, backwards compatible to 802.11b
Wireless security	WEP (64 or 128 bit), WPA/WPA2 (8-63 characters)
Frequency range	2412 - 2462 MHz (CH1-CH11) (for /79, /37, /55, /97) 2412 - 2472 MHz (CH1-CH13) (for /12, /05)
Antenna	2x internal, diversity mode enabled

Wired (LAN / Ethernet)

Wired standard	802.3 / 802.3 u
Speed	10 / 100 MBit/s
Mode	half / full duplex
Crossover detection (Auto MDIX)	Yes (Auto MDIX)

Decoding capabilities

MP3	8 - 320 kbps (CBR / VBR)
WMA	32 - 192 kbps (CBR / VBR)
AAC (M4A)	16 - 320 kbps (CBR / VBR)
PCM	1x (1.4 Mbps)
FLAC	Supported
Ogg Vorbis	Supported

Playlist support

*.m3u, *.wpl	Supported
iTunes	Supported (via by-packed TwonkyMedia™)

Display / Clock

Resolution	Dot matrix 320 x 240 dots (QVGA) Color TFT
Size	3.5 inches
Backlight	On / Off / Dimmed
Time / Date display	Supported
Automatic time sync via Internet (NPT)	Supported
Sleep timer	Supported
Key sound feedback	Clicker (internal)

Specifications and external appearance are subject to change without notice.

- 500MB free hard disk space

Supported audio file formats

The NP2500 supports the following audio file formats:

- MP3 (8-320kbps and VBR)
- WMA (up to 192kbps)
- non DRM protected AAC (M4A) (16-320 kbps and VBR16)
- PCM (1.4 Mbps)
- FLAC
- Ogg Vorbis



Note

- The display of the NP2500 supports directories with nesting up to a maximum of 8 levels.

Supplied accessories

- Remote control
- 2 AAA batteries
- AC power adapter with cable
- RCA cable

Computer connection requirements

The minimum requirements for computer connections are:

- Windows 2000 SP4 (or above) / XP SP2 / Vista / Mac
- Pentium III 500MHz processor or higher
- 256MB RAM
- CD-ROM drive
- Adapter
 - Ethernet enabled (for wired connection)
 - Wireless network 802.11 b/g (for wireless connection)

11 Troubleshooting

- Change the operating channel on the interfering devices.
- Turn the devices in different directions to minimize interference.

I cannot hear any sound or the sound is poor, what do I do?

- Press **+VOL** - to increase the volume.
- Press the **MUTE** button again to reactivate the sound output.
- Check that the RCA cable is connected correctly.
- Check that you have selected 'Aux in' as the source on the connected stereo system.
- Check if the volume control of the connected stereo system is adjusted correctly.

Is there a maximum distance of transmission between a wireless router and the NP2500 for effective streaming?

Yes. The maximum distance of Wi-Fi transmission is 250m measured in open spaces. However, in a home environment, where solid obstacles such as walls and doors are present, the effective transmission distance is reduced to 50-100m. Reposition the devices if you experience transmission problems.

I have not received any registration email from ConsumerCare@Philips.com.

- Check that the email address that is entered in the user registration section is valid and spelled correctly.
- Check that the PC has an active Internet connection.
- The Internet server may be busy, try again later.
- Check if the email was redirected to the spam folder.

How do I avoid Wi-Fi interferences from other devices that operate in the same (2.4GHz) frequency spectrum, such as Dect phones or bluetooth devices?

- Move the NP2500 at least 3m away from such devices.
- Use a WEP/WPA encryption key when you create the wireless connection your PC / home network.

12 Glossary

A

AAC (Advanced Audio Coding)

An audio compression scheme defined as part of the MPEG-2 standard (also known as MPEG-2 AAC or MPEG-2 NBC, or Not Backwards Compatible). It offers better sound and a compression ratio that is superior by roughly 30 percent compared to the MPEG-1 MP3 format.

AC (alternating current)

An alternating current is an electrical current whose magnitude and direction vary cyclically, as opposed to DC (direct current), whose direction remains constant. The usual waveform of an AC power circuit is a sine wave, as this results in the most efficient transmission of energy. However certain applications use different waveforms, such as triangular or square waves.

Album art

Album art is a feature of the NP2500 that displays the artwork (cover picture) of a music album. This display enables the user to quickly identify a music album. The artwork files for music albums can be downloaded from the Internet.

Amplifier

A device, either a single stage or a large scale circuit with multiple stages for creating gain, i.e. it makes small signals larger.

Antenna

A device, such as a rod or wire, which picks up a received radio frequency signal or radiates a transmitted RF signal.

Audio output

High-level (speaker) or line-level (RCA) signals sent from one system component to another; or the high-level signal from an amplifier to the system speakers.

AUX

Auxiliary input that allows you to connect portable audio devices.

B

Bass

The lowest three octaves of the audio band. Low bass is the bottom octave (20-40Hz), mid-bass is the middle octave (40-80Hz), and upper bass is the 80-160Hz octave.

Bit / bits

A bit is a binary digit, taking a value of either 0 or 1. For example, the number 10010111 is 8 bits long.

Bit rate

Bit rate is the number of bits that are conveyed or processed per unit of time. The bit rate is usually measured in some multiple of bits per second (kilobits per second: kbps). The term bit rate is a synonym for data transfer rate (or simply data rate).

C

CBR (constant bit rate)

With CBR the encoder spends the same amount of bits on each frame, regardless of how much it may really need. Disadvantage of CBR: Bits are wasted in case of absolute blackness of a picture or complete silence in an audio frame. And pictures or audio frames with a lot of elements may need those bits.

CDDB

A centralized database of CDs, CD tracks, and artists on the Web, now known as Gracenote. The audio player or burner program can log on to CDDB. It uploads the ID of the CD being played, and then downloads the title, artist, and track list.

Coaxial

A single copper conductor, surrounded with a layer of insulation, covered by a surrounding copper shield and finally, an insulating jacket. An unbalanced transmission line with constant

impedance. In audio, this type is commonly used for low level, line signals terminated in RCA connectors.

Compression

In audio terms, this is a process of temporarily or permanently reducing audio data for more efficient storage or transmission. A temporary reduction in file size is called 'non-lossy' compression, and no information is lost. A permanent reduction in file size (such as with MP3 files) is called 'lossy' compression, and involves discarding unnecessary information which is irretrievably lost.

D

DC (direct current)

Direct current or continuous current is the constant flow of electric charge. This is typically in a conductor such as a wire. In direct current, the electric charges flow in the same direction, distinguishing it from AC (alternating current).

Decibel (dB)

A unit of measure used to express relative difference in power or intensity of sound.

DHCP

DHCP stands for Dynamic Host Configuration Protocol. It is a protocol for assigning dynamic IP addresses to devices on a network.

Digital

A method to encode information using a binary code of 0s and 1s. Many wireless phones and networks use digital technology.

Digital Audio

Digital Audio is a sound signal that has been converted into numerical values. Digital sound can be transmitted through multiple channels. Analog sound can only be transmitted through two channels.

Duplex (half/full)

Full duplex is the ability to send and receive data simultaneously. Duplex is synonymous with full duplex. Example: when a modem operates

in full-duplex mode, it can transmit data in two directions simultaneously. In half-duplex mode it can transmit data in two directions, but not simultaneously.

E

Encryption key

An encryption key is an alphanumeric series that enables data to be encrypted and then decrypted so it can be safely shared among members of a network.

F

Frequency

The property or condition of occurring at frequent intervals. In sound, this simply refers to the regular occurrence of compression and rarification of air that we experience as sound.

Frequency Response

Is the range of frequencies that a speaker reproduces, lowest frequency to the highest. While the optimal normal is 20-20,000 Hz (Hertz), the range of human hearing for individuals is often much more restricted. A good full-range speaker system however, reproduces as much of this range as possible to cover all variations. Individual drivers are limited to reproduce only that part of the spectrum for which they were made, so their response is limited, but still a necessary point to consider when designing a complete sound system.

FullSound

FullSound™ is an innovative technology designed by Philips. FullSound™ faithfully restores sonic details to compressed music, enhancing it to provide a full sound experience without any distortion.

H

Hz (Hertz)

Cycles per second, named after Heinrich Hertz.

I

Impedance

The resistance to the flow of an electric current in a circuit. This is effectively the electrical load that a loudspeaker presents to the amplifier which drives it and is measured in ohms.

Input sensitivity

SPL (sound pressure level) a speaker produces, given one watt of power; measured from a one-meter distance at a typical input frequency (usually 1kHz unless otherwise noted on the speaker).

Interface

A device or protocol which facilitates the linking of any two devices or systems; or when used as a verb ('to interface'), the process of linking.

IP address

An IP (Internet Protocol) address is a unique computer address that enables electronic devices to communicate with and identify each other.

K

Kbps

Kilobits per second. A digital-data-rate measurement system which is often used with highly compressed formats such as AAC, DAB, MP3 etc. The higher the amount, the better the quality generally is.

Kilo Hertz (kHz)

1000Hz or 1000 cycles per second.

L

LCD (Liquid Crystal Display)

Probably the most common way to show visual information on non-computer electronic equipment.

Lossless compression

A system for reducing the number of data bits (density) in a musical signal without corrupting the original.

M

M4A

The audio file format used by Apple in their iTunes Music Store often appears on your system with the '.m4a' filename extension. M4A can produce better audio quality than MP3 using less physical space for the files.

MHz (Mega Hertz)

One million cycles per second.

Mono (monaural)

The operation of an amplifier in one channel for both input and output. Can refer to an amplifier with only one channel of amplification or operating in bridged mode. For low-frequency amplification applications, it provides better phase coherence and less distortion than stereo operation.

MP3

A file format with a sound data compression system. MP3 is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. With the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

Mute

A control found on receivers, and some mixers or signal processing units that silences (mutes) a signal path, or output.

O

Ohm

Measure of resistance to current (impedance). The lower the impedance of a speaker, the harder it is to drive.

P

PCM (Pulse Code Modulation)

Pioneering form of digital recording.

Proxy server

A computer network service that allows clients to make indirect network connections to other network services.

R**RF (radio frequency)**

An alternating current or voltage with a frequency (or carrier wave) above about 100kHz. It is called radio frequency because these frequencies have a capacity to be radiated as electromagnetic waves by radio (and television) stations.

Rhapsody®

Rhapsody® is an on-line music service that offers streaming on-demand access to its library of digital music.

S**S/PDIF (SPDIF) (Sony/Philips Digital Interface)**

A standard audio-file transfer-format that was developed jointly by Sony and Philips. S/PDIF allows the transfer of digital audio signals from one device to another, without the need to convert first to analog. This prevents the quality of the digital signal degrading during transfer to analog.

Sensitivity

Volume that a speaker offers for a specific voltage input, expressed in decibels per watt (dB/W).

Shuffle

A feature that plays audio files (tracks) in random order.

Signal to noise ratio

Represents the difference between the level of the audio signal, and any interference. The larger the figure, the purer the sound.

SPL (sound pressure level)

An acoustic measurement of sound energy. 1 dB SPL is the smallest increment in sound level to which the average human is sensitive.

Theoretically, 0 dB SPL is the threshold of human hearing while approximately 120 dB is the threshold of pain.

Stereo

Literally means solid. Usually taken to refer to two channel stereo, though developments in digital audio facilitate multichannel stereo.

Streaming

A technique for transferring data such that it can be processed as a steady and continuous stream. Streaming technologies are often used on the Internet because many users do not have fast enough access to download large multimedia files quickly, so the client browser or plug-in can start displaying the data before the entire file has been transmitted.

SuperPlay

SuperPlay™ is a special feature of the NP2500, which enables the listener to play all the music under a top-level library category, such as artists or albums, without having to select playlist items.

T**Thumbnail**

A thumbnail is reduced-size versions of a picture that is used to make it easier to recognize an them. Thumbnails serve the same role for images as a normal text index does for words.

TwonkyMedia

TwonkyMedia™ is a media server that enables wireless streaming from a computer to the NP2500.

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U**UPnP (Universal Plug and Play)**

Universal Plug and Play is a networking architecture developed by a consortium of companies to ensure easy connectivity between

Contact information

Canada (Francophone) 1-800-661-6162

United States and Canada (English and Spanish speaking) 1-888-744-5477

Argentina (54-11) 4544-2047

Australia 1300-363-391

Austria 810000205
(€0.20/min)

Belgium 78250145
(€0.16/min)

Brazil 0800-701-02-03

Bulgaria 2-976-9996

Chile 600-744-5477
(600-PHILIPS)

China 4008-800-008
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Czech Republic 800142840

Denmark 3525-8759

Finland 09-2311-3415

France 0821 611655
(€0.23/min)

Germany 01803 386 852
(€0.14/min)

Greece 0-0800-3122-1280

Hong Kong 852-2619-9663

Hungary 680018189

India 1901-180-1111

Ireland 01-601-1777

Israel 9-9600-900

Italy 840320086
(€0.25/minute)

Japan 0570-07-6666

Korea 080-600-6600

Luxembourg 40 6661 5644

Malaysia 1800-880-180

Mexico 01-800-504-6200

Netherlands 0900-8407
(€0.20/min)

New Zealand 0800-658-224

Norway 2270-8111

Pakistan 051-580-902-3

Peru 0800-00100

Philippines 632-8164416

Poland 223491504

Portugal 2-1359-1442

Romania 1-203-2060

Russia Federation 495-961-1111;
(8-800-200-0880)

Singapore 65-6882-3999

Slovakia 0800-004537

South Africa (011) 471-5194

Spain 902-888-784
(€0.10/min)

Sweden 08-5792-9100

Switzerland 0844-800-544

Taiwan 0800-231-099

Thailand 66-2-652-8652

Turkey 0800-261-3302

Ukraine 044-254-2392

United Kingdom 0870 900 9070
(£0.15/min)

Uruguay (598-2) 619-6666

Venezuela 0800-100-4888

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