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FWP2000



User manual

PHILIPS

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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.

Important Safety Instructions

- 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 Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- ⑩ Only use attachments/accessories specified by the manufacturer.
- ⑪ 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.



- ⑫ Unplug this apparatus during lightning storms or when unused for long periods of time.
- ⑬ 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.

- ⑭ **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.
- ⑮ **Apparatus shall not be exposed to dripping or splashing.**
- ⑯ **Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).**
- ⑰ **Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.**

Mains fuse

This information applies only to products with a UK mains plug.

This product is fitted with an approved molded plug. If you replace the fuse, use one with:

- the ratings shown on the plug,
- a BS 1362 approval, and
- the ASTA approval mark.

Contact your dealer if you are not sure about what type of fuse to use.

Caution: To conform with the EMC directive (2004/108/EC), do not detach the plug from the power cord.

Risk of swallowing batteries!

- The product/remote control may contain a coin type battery, which can be swallowed. Keep the battery out of reach of children at all times!

Risk of overheating! Never install this apparatus in a confined space. Always leave a space of at least four inches around this apparatus for ventilation. Ensure curtains or other objects never cover the ventilation slots on this apparatus.



Warning

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

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.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC.

Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.



Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.



**Be responsible
Respect copyrights**

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes.

Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.)

Notice



This product complies with the radio interference requirements of the European Community.

Any changes or modifications made to this device that are not expressly approved by WOOX Innovations may void the user's authority to operate the equipment. Philips and the Philips' Shield Emblem are registered trademarks of Koninklijke Philips N.V. and are used by WOOX Innovations Limited under license from Koninklijke Philips N.V." Specifications are subject to change without notice. WOOX reserves the right to change products at any time without being obliged to adjust earlier supplies accordingly.



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

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

This apparatus includes this label:



Class II equipment symbol:



CLASS II apparatus with double insulation, and no protective earth provided.

2 Your Mini Hi-Fi System

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.

Introduction

With this Hi-Fi system, you can:

- enjoy audio from discs, USB storage devices, or other external devices
- listen to FM radio stations
- speak or sing with microphones through the loudspeakers of the unit

To enrich sound, this Hi-Fi system offers you these sound effects:

- Digital Sound Control (DSC)
- Dynamic Bass Boost (DBB)
- Bass and treble adjustment
- Max Sound for instant power boost

This Hi-Fi system supports the following media formats:

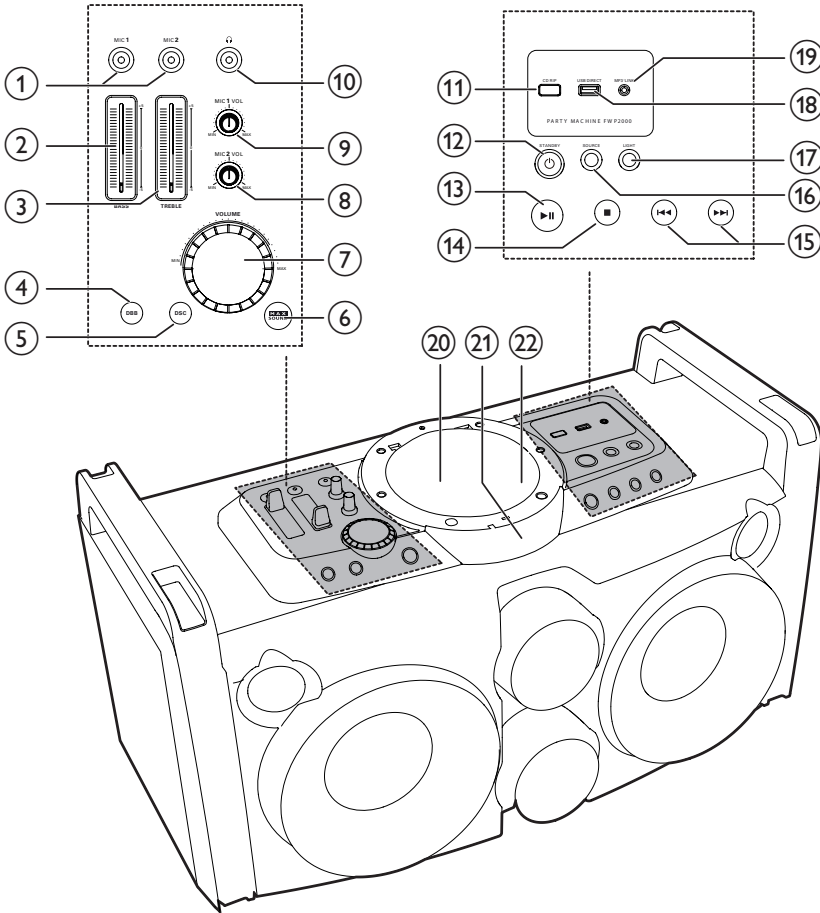


What's in the box

Check and identify the contents of your package:

- Main unit
- Remote control (with battery)
- Power cord
- FM antenna
- User manual
- Quick start guide

Overview of the main unit



① MIC 1/MIC 2

- Connect microphones.

② BASS

- Adjust the bass level of the connected microphone (range: -5 to +5).

③ TREBLE

- Adjust the treble level of the connected microphone (range: -5 to +5).

④ DBB

- Turn on/off dynamic bass enhancement.

⑤ DSC

- Select a preset sound setting.

⑥ MAX SOUND

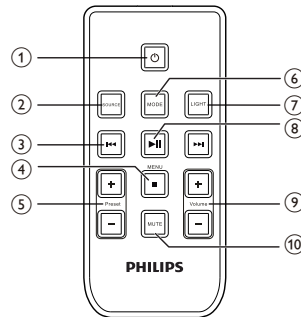
- Turn on/off instant power boost.

⑦ Volume knob

- Adjust speaker volume.

- ⑧ **MIC 2 VOL**
 - Adjust volume of the microphone connected to the **MIC 2** socket.
- ⑨ **MIC 1 VOL**
 - Adjust volume of the microphone connected to the **MIC 1** socket.
- ⑩ **🎧**
 - Connect a headphone.
- ⑪ **CD RIP**
 - Record songs from a CD to a USB mass storage device.
- ⑫ **STANDBY ⏻**
 - Switch the unit on or to standby mode.
- ⑬ **▶||**
 - Start or pause play.
- ⑭ **■**
 - Stop play.
 - Stop CD ripping.
 - Stop radio programming.
- ⑮ **⏮ / ⏭**
 - Skip to the previous/next track.
 - Search within a track/disc.
 - Tune to a radio station.
- ⑯ **SOURCE**
 - Select a source: DISC, USB, FM or MP3-LINK.
- ⑰ **LIGHT**
 - (Press) in power-on mode, adjust the decoration light around the speakers.
- ⑱ **USB DIRECT**
 - Connect a USB mass storage device.
- ⑲ **MP3 LINK**
 - Connect an external audio device.
- ⑳ **Disc compartment**
- ㉑ **Display panel**
 - Show current status.
- ㉒ **PUSH**
 - Open/close the disc compartment.

Overview of the remote control



- ① **⏻**
 - Switch the unit on or to standby mode.
- ② **SOURCE**
 - Select a source: DISC, USB, FM or MP3-LINK.
- ③ **⏮ / ⏭**
 - Skip to the previous/next track.
 - Search within a track/disc.
 - Tune to a radio station.
- ④ **MENU/ ■**
 - Stop play.
 - Stop CD ripping.
 - Stop radio programming.
- ⑤ **Preset +/-**
 - Select a preset radio station.
- ⑥ **MODE**
 - Select repeat/shuffle play modes.
 - Program radio stations.
- ⑦ **LIGHT**
 - (Press) in power-on mode, adjust the decoration light around the speakers.
- ⑧ **▶||**
 - Start or pause play.
- ⑨ **Volume +/-**
 - Adjust speaker volume.
- ⑩ **MUTE**
 - Mute or restore volume.

3 Get started

! Caution

- Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Always follow the instructions in this chapter in sequence.

If you contact Philips, you will be asked for the model and serial number of this apparatus. The model number and serial number are on the back of the apparatus. Write the numbers here:

Model No. _____

Serial No. _____

Install remote control battery

! Caution

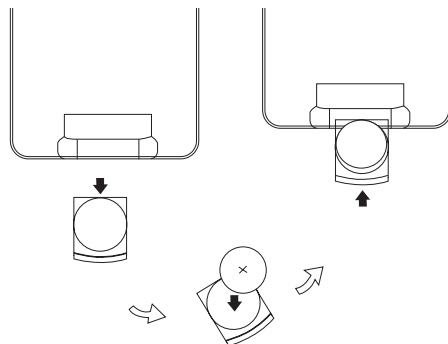
- Risk of explosion! Keep batteries away from heat, sunshine or fire. Never discard batteries in fire.
- Risk of product damage! When the remote control is not used for long periods, remove the battery.

For first-time use:

- Remove the protective tab to activate the remote control battery.

To replace the remote control battery:

- 1 Open the battery compartment.
- 2 Insert one CR2025 battery with correct polarity (+/-) as indicated.
- 3 Close the battery compartment.



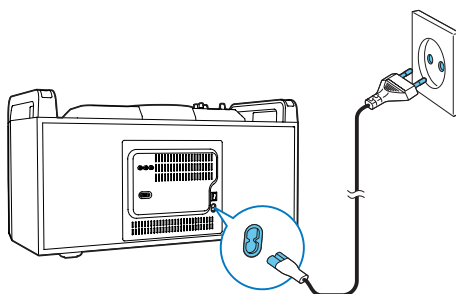
Connect power

! Caution

- Risk of product damage! Make sure that the power supply voltage corresponds to the voltage printed on the head of the AC power cord.
- Risk of electric shock! When you unplug the power cord, always pull the plug from the socket. Never pull the cord.

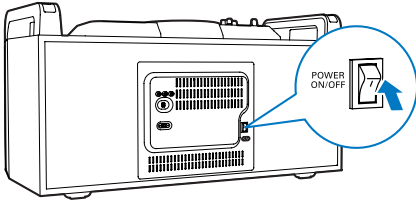
≡ Note

- Before you connect the AC power cord, make sure that you have completed all the other connections.



- Connect the AC power cord to
 - the **~AC IN** socket on this unit.
 - the wall power socket.

Turn on



- 1 Turn the **POWER ON/OFF** switch on the back panel to the **I** position.
- 2 Press **⏻**.
 - ↳ The unit switches to the last selected source.

Switch to standby mode

- Press **⏻** to switch the unit to standby mode.
 - ↳ The backlight on the display panel turns off.

4 Play

Basic play operations

You can control play through following operations.

| Function | Action |
|-----------------------|---|
| To stop play | press MENU/ ■ |
| To pause/resume play | press ► |
| To skip to a track | press ◀◀ / ▶▶ |
| To search during play | press and hold ◀◀ / ▶▶, then release to resume normal play. |

Play disc

Warning

- Never touch a disc when it is still rotating!

Note

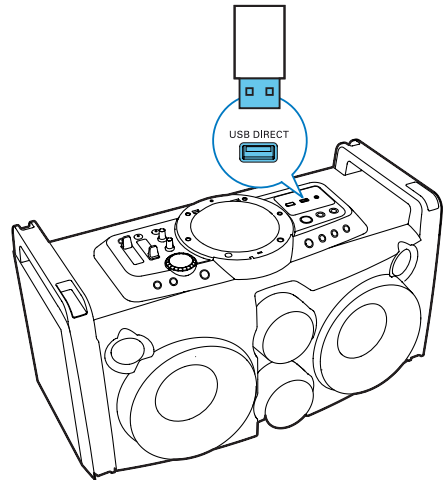
- Make sure that the disk contains playable audio content.

- 1 Press **SOURCE** repeatedly to select the disc source.
- 2 Press **PUSH** on the front panel to open the disc compartment.
- 3 Load a CD/MP3 disc with the printed side facing up, then press **PUSH** again to close the disc compartment.
 - ↳ **[READING]** (reading) is displayed for a while, then play starts automatically.

Play from USB

Note

- Make sure that the USB device contains playable audio content.




- 1 Insert a USB mass storage device into the **USB DIRECT** socket.
- 2 Press **SOURCE** repeatedly to select the USB source.
 - ↳ **[READING]** (reading) is displayed for a while, then play starts automatically.

Play options

Repeat and shuffle play

- Press **MODE** repeatedly to select:
 - **[RPT1]** (repeat one): play the current track repeatedly.
 - **[RPT ALL]** (repeat all): play all tracks repeatedly.
 - **[SHUFFLE]** (shuffle): play all tracks randomly.
 - **[RPT SHUF]** (repeat shuffle): play all tracks repeatedly in random order.
 - **[NORMAL]** (normal): resume normal play.

Listen through headphone

- Plug a headphone into the  socket on the top panel.

5 Listen to radio

Tune to radio stations

Note

- To improve FM reception, fully extend and adjust the position of the FM antenna attached to the back panel.

- 1 Press **SOURCE** repeatedly to select the FM tuner source.
- 2 Press and hold **◀◀ / ▶▶** for three seconds.
↳ The Hi-Fi system tunes to a station with strong reception automatically.
- 3 Repeat step 2 to tune to more stations.

To tune to a weak station:

- 1 Press **◀◀ / ▶▶** repeatedly until you find optimal reception.

Store radio stations

Note

- You can store a maximum of 20 FM radio stations.

- 1 Tune to a radio station.
- 2 Press **MODE** to activate programming.
- 3 Press **Preset +/-** to allocate a number from 1 to 20 to this radio station, then press **MENU/ ■** to confirm.
↳ The preset number and the frequency of the preset station are displayed.
- 4 Repeat the previous steps to program other stations.

Note

- To overwrite a programmed station, store another station in its place.

Select a preset radio station

- In tuner mode, press **Preset +/-** repeatedly to select a preset radio station.

6 Adjust sound

Adjust speaker volume

- During play, press **Volume +/-** to increase/decrease speaker volume.

Select a sound effect



Note

- You cannot use different sound effects at the same time.

Boost sound power

This feature allows you to give an instant boost to the sound power.

- Press **MAX SOUND** on the top panel to turn on or off instant power boost.

Select a preset sound effect

The DSC (Digital Sound Control) feature allows you to enjoy special sound effects.

- During play, press **DSC** on the top panel repeatedly to select:
 - **[JAZZ]** (jazz)
 - **[POP]** (pop)
 - **[TECHNO]** (techno)
 - **[OPTIMAL]** (optimal)
 - **[ROCK]** (rock)
 - **[USER EQ]** (user equalizer)

Enhance bass

The best DBB (Dynamic Bass Enhancement) setting is generated automatically for each DSC selection. You can manually select the DBB setting that best suits your listening environment.

- During play, press **DBB** on the top panel repeatedly to select:
 - DBB 01
 - DBB 02
 - DBB 03
 - DBB off

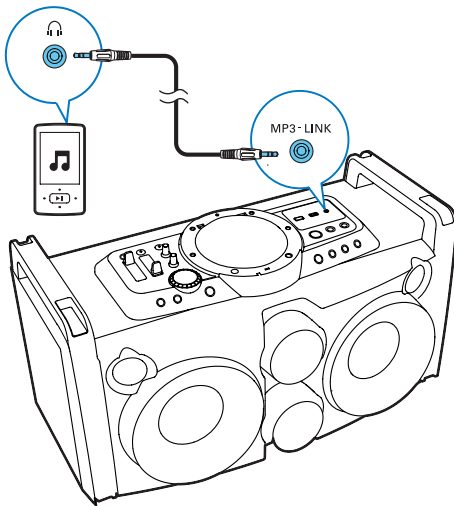
Select an audio output mode

- Switch **CHANNEL CONTROL** at the back panel to one of the following positions:
 - **RR**: Audio output to the right channel only;
 - **RL**: Audio output to both the left and right channels;
 - **LL**: Audio output to the left channel only.

7 Additional features

Play audio from an external device

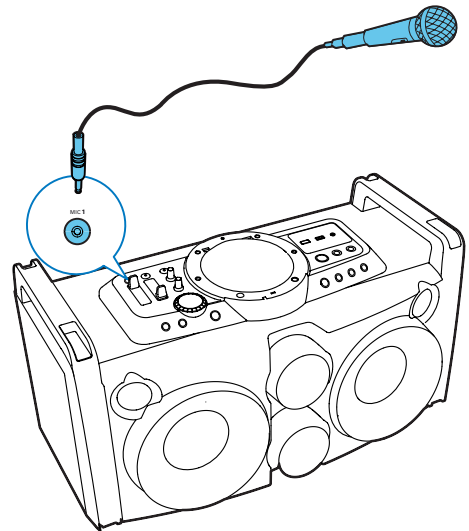
With this Hi-Fi system, you can play audio from an external audio device.



- 1 Connect an MP3 Link cable (not supplied) to
 - the **MP3-LINK** socket on the front panel
 - the headphone socket on an external device
- 2 Press **SOURCE** repeatedly to select the MP3 link source.
- 3 Play the external device (see the device's user manual).

Speak or sing through the Hi-Fi system

You can speak or sing through this Hi-Fi system with a microphone.



- 1 Connect a microphone (not supplied) to the **MIC 1** or **MIC 2** socket on the top panel.
- 2 Use **MIC 1 VOL** or **MIC 2 VOL** knob on the top panel to adjust the microphone volume.
- 3 Use the **BASS** or **TREBLE** control on the top panel to adjust the bass or treble level of the microphone.

CD ripping

You can record music from an audio CD to a USB mass storage device.

Record one track

- 1 Load an audio CD (see 'Play disc' on page 11).
- 2 Press **SOURCE** repeatedly to select the disc source.
- 3 Press **⏮**/**⏭** to select a track.
- 4 Plug in a USB mass storage device (see 'Play from USB' on page 11).
- 5 Press **CD RIP** on the top panel to start recording the current track.
 - ↳ **[REC ONE]** (record one) is displayed.
 - ↳ At completion of the recording, **[REC END]** (record end) is displayed.

Record all tracks

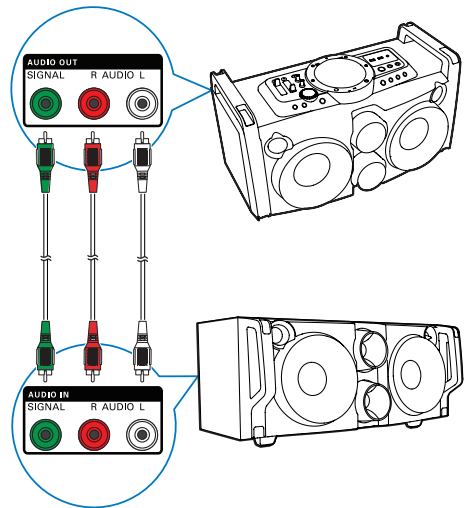
- 1 Load an audio CD.
 - 2 Press **SOURCE** repeatedly to select the disc source.
 - 3 Plug in a USB mass storage device.
 - 4 Press **CD RIP** on the top panel twice to start recording.
 - ↳ **[REC ALL]** (record all) is displayed.
 - ↳ At completion of the recording, **[REC END]** (record end) is displayed.
- To stop recording, press **■**.

Note

- Copyright-protected CD cannot be recorded.
- When the USB memory runs out, recording stops automatically.
- When you record a track, make sure that the whole file is recorded before you stop recording.

Enjoy simultaneous play

You can output audio to multiple compatible Hi-Fi systems (FWP1000) to enjoy simultaneous play.



- 1 Connect audio cables (white/red) to:
 - the **AUDIO OUT (AUDIO L/R)** sockets on the back panel of this unit.
 - the **AUDIO IN (AUDIO L/R)** sockets on a compatible Hi-Fi system (FWP1000).
- 2 Connect a signal cable (green) to:
 - the **AUDIO OUT (SIGNAL)** socket on the back panel of the unit.
 - the **AUDIO IN (SIGNAL)** socket on a compatible Hi-Fi system (FWP1000).
- 3 If you like, connect more compatible Hi-Fi systems (FWP1000) together in the same way.
- 4 Start play on this unit (FWP2000).
 - ↳ You can hear music from the loudspeakers of all the Hi-Fi systems connected to each other.

Adjust decoration light

- In power-on mode, press **LIGHT** repeatedly to adjust the decoration light around the loudspeakers.
 - Blue (default, blinking blue with the music beat)
 - Red (blinking red with the music beat)
 - Purple (blinking in different colors with the music beat)
 - Off



Tip

- The light blinks as the music beat changes.

8 Product information

Note

- Product information is subject to change without prior notice.

Specifications

Amplifier

| | |
|-----------------------|----------------------|
| Rated Output Power | 4 x 60 W RMS |
| Frequency Response | 50Hz - 18KHz, +/-3dB |
| Signal to Noise Ratio | > 70 dB |

Disc

| | |
|---------------------------|----------------------------|
| Laser Type | Semiconductor |
| Disc Diameter | 12 cm/8 cm |
| Support Disc | CD-DA, CD-R, CD-RW, MP3-CD |
| Audio DAC | 24 Bits / 44.1 kHz |
| Total Harmonic Distortion | < 0.5% |
| Frequency Response | 50Hz - 18KHz, +/-3dB |
| S/N Ratio | > 75 dB |

Tuner (FM)

| | |
|---------------------------|----------------|
| Tuning Range | 87.5 - 108 MHz |
| Tuning grid | 50 KHz |
| Sensitivity - Mono, 50 dB | 18 - 22 dBf |
| S/N Ratio | |
| Total Harmonic Distortion | < 2.0 % |
| Signal to Noise Ratio | < 30 dB |

Speakers

| | |
|-------------------|------------------------------|
| Speaker Impedance | Treble: 6 ohm Bass: 4 ohm |
|-------------------|------------------------------|

General information

| | |
|-----------------------------|-----------------------|
| AC power | 220 - 240V ~, 50/60Hz |
| Operation power consumption | 44 W |
| USB direct | Version 2.0/1.1 |
| Dimensions (W x H x D) | 704 x 385 x 364 mm |
| Weight | |
| - With Packing | 17.3 kg |
| - Main Unit | 15 kg |

USB playability information

Compatible USB devices:

- USB flash memory (USB 2.0 or USB1.1)
- USB flash players (USB 2.0 or USB1.1)
- Memory cards (requires an additional card reader to work with this unit)

Supported formats:

- USB or memory file format FAT16, FAT32 (sector size: 512 bytes)
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate
- Directory nesting up to a maximum of 8 levels
- Number of albums/ folders: maximum 255
- Number of tracks/titles: maximum 999
- ID3 tag v2.0 or later
- File name in Unicode UTF8 (maximum length: 128 bytes)

Unsupported formats:

- Empty albums: an empty album is an album that does not contain MP3/WMA files, and will not be shown in the display.

- Unsupported file formats are skipped. For example, Word documents (.doc) are ignored and not played.
- AAC, WAV, PCM audio files
- WMA files

Supported MP3 disc formats

- ISO9660, Joliet
- Maximum title number: 511 (depending on file name length)
- Maximum album number: 511
- Supported sampling frequencies: 32 kHz, 44.1kHz, 48 kHz
- Supported Bit-rates: 32~320 (kbps), variable bit rates
- ID3 tag v2.0 or later

Maintenance

Clean the cabinet

- Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Clean discs

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out.



Clean the disc lens

- After prolonged use, dirt or dust may accumulate at the disc lens. To ensure good play quality, clean the disc lens with Philips CD lens cleaner or any commercially available cleaner. Follow the instructions supplied with cleaner.

- Do not use solvents such as benzene, thinner, commercially available cleaners, or antistatic spray intended for analogue records.

9 Troubleshooting




Warning

- Never remove the casing of this apparatus.

To keep the warranty valid, never try to repair the system yourself.

If you encounter problems when using this apparatus, check the following points before requesting service. If the problem remains unsolved, go to the Philips web site (www.philips.com/support). When you contact Philips, ensure that the apparatus is nearby and the model number and serial number are available.

No power

- Make sure that the AC power plug of the unit is connected properly.
- Make sure that there is power at the AC outlet.
- Make sure that the **POWER ON/OFF** switch on the back panel is turned to the  position.
- To save power, the system switches off automatically after 15 minutes of inactivity (for example, in pause or stop mode).

No sound or poor sound

- Adjust the volume.
- Unplug the headphone.

No response from the Hi-Fi system

- Disconnect and reconnect the AC power plug, then turn on the system again.
- As a power-saving feature, the unit switches off automatically 15 minutes after track play reaches the end and no control is operated.

Remote control does not work

- Before you press any function button, first select the correct source with the remote control instead of the main unit.
- Reduce the distance between the remote control and the unit.

- Insert the battery with its polarities (+/- signs) aligned as indicated.
- Replace the battery.
- Aim the remote control directly at the sensor on the front of the unit.

No disc detected

- Load a CD/MP3 disc.
- Check if the disc is inserted upside down.
- Wait until the moisture condensation at the lens has cleared.
- Replace or clean the disc.
- Use a finalized CD or correct format disc.

Poor radio reception

- Increase the distance between the unit and your TV or VCR.
- Fully extend the FM antenna.

USB device not supported

- The USB device is incompatible with the unit. Try another one.



Specifications are subject to change without notice

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