Always there to help you
Register your product and get support at www.philips.com/welcome

User Manual

PHILIPS
# Contents

<table>
<thead>
<tr>
<th>1 Important</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety</td>
<td>3</td>
</tr>
<tr>
<td>Notice</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2 Your Micro Music System</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>5</td>
</tr>
<tr>
<td>What’s in the box</td>
<td>5</td>
</tr>
<tr>
<td>Overview of the main unit</td>
<td>6</td>
</tr>
<tr>
<td>Overview of the remote control</td>
<td>7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3 Get started</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connect speakers</td>
<td>8</td>
</tr>
<tr>
<td>Connect FM aerial</td>
<td>9</td>
</tr>
<tr>
<td>Connect power</td>
<td>9</td>
</tr>
<tr>
<td>Prepare the remote control</td>
<td>9</td>
</tr>
<tr>
<td>Turn on</td>
<td>10</td>
</tr>
<tr>
<td>Set clock</td>
<td>10</td>
</tr>
<tr>
<td>Demonstrate the unit’s features</td>
<td>10</td>
</tr>
<tr>
<td>Store radio stations automatically</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4 Play</th>
<th>11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Play from disc</td>
<td>11</td>
</tr>
<tr>
<td>Play from USB</td>
<td>11</td>
</tr>
<tr>
<td>Basic play operations</td>
<td>11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5 Listen to FM radio</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tune to FM radio stations</td>
<td>12</td>
</tr>
<tr>
<td>Program radio stations automatically</td>
<td>12</td>
</tr>
<tr>
<td>Program radio stations manually</td>
<td>12</td>
</tr>
<tr>
<td>Tune to a preset radio station</td>
<td>12</td>
</tr>
<tr>
<td>Show RDS information</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6 Other features</th>
<th>13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set alarm timer</td>
<td>13</td>
</tr>
<tr>
<td>Set sleep timer</td>
<td>14</td>
</tr>
<tr>
<td>Listen to external audio device</td>
<td>14</td>
</tr>
<tr>
<td>Listen through headphone</td>
<td>14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7 Product information</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specifications</td>
<td>14</td>
</tr>
<tr>
<td>USB playability information</td>
<td>15</td>
</tr>
<tr>
<td>Supported MP3 disc formats</td>
<td>15</td>
</tr>
</tbody>
</table>

| 8 Troubleshooting | 16 |
1 Important

Safety

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.

Warning

- The device shall not be exposed to dripping or splashing.
- Do no place any source of danger on the device (e.g., liquid filled objects, lit candles).
- Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Caution

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

Hearing safety

Caution

- To prevent possible hearing damage, do not listen at high volume levels for long periods.

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.

Warning

- Never remove the casing of this apparatus.
- Never lubricate any part of this apparatus.
- Never place this apparatus on other electrical equipment.
- Keep this apparatus away from direct sunlight, naked flames or heat.
- Ensure that you always have easy access to the power cord, plug or adaptor to disconnect the apparatus from the power.
- Use only power supplies listed in the user manual.
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.

Notice

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.

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

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 environment and human health.

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.)

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.

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.

This apparatus includes this label:

![CLASS 1 LASER PRODUCT]

Note

- The type plate is located on the bottom of the main unit.

2 Your Micro Music 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 unit, you can:
- enjoy audio from discs, USB devices, and other external devices
- listen to radio stations

You can enrich sound output with these sound effects:
- Digital Sound Control (DSC)
- Dynamic Bass Boost (DBB)

The unit supports these media formats:

![Windows Media]

![Compact Disc Digital Audio]

![MP3-CD Playback]

What's in the box

Check and identify the contents of your package:
- Main unit
- Remote control
- Speaker box (×2)
- FM antenna
- Short user manual
Overview of the main unit

1. Disc compartment
   - Hold a disc.

2. USB socket.

3. AUDIO IN
   - Connect an external audio device.

4. Headphone socket.

5. Turn on or off the unit.
   - Switch to standby mode or Eco Power standby mode.

6. IR sensor
   - Detect signals from the remote control.

7. SOURCE
   - Select a source.

8. [ ]
   - In DISC and USB modes, skip to previous/next track.
   - In DISC and USB modes, search within a track.
   - Tune to a radio station.

9. [ ]
   - Start or pause play.

10. Stop play.
    - Erase a program.

11. [ ]
    - In DISC and USB modes, skip to previous/next album.
    - Select a preset radio station.

12. Display panel
    - Show current status.

13. [ ]
    - Open or close the disc compartment.
Overview of the remote control

1. Turn on or off the unit.
   - Switch to standby or Eco Power standby mode.

2. Mute or restore volume.

3. CD
   - Select DISC source.

4. In DISC and USB modes, skip to previous/next track.
   - In DISC and USB modes, search within a track.
   - Tune to a radio station.

5. USB
   - Select USB source.

6. RDS
   - For selected FM radio stations: display RDS information.
   - Synchronize clock with an RDS station.

7. Stop play.
   - Erase a program.

8. Adjust volume.

9. Numeric keypad
   - In DISC mode, select a track directly.

10. Program tracks.
    - Program radio stations.
    - Set clock.

11. Set sleep timer.
    - Set alarm timer.

12. Select a preset sound setting.

13. Turn on or off dynamic bass enhancement.
14 **REPEAT/SHUFFLE**
- Play tracks randomly.
- Select a repeat play mode.

15 **DISPLAY**
- Display play information.
- Show time during USB and disc playback.

16 **AUDIO IN**
- Select AUDIO IN source.

17 **▶/Pause**
- Start or pause play.
- Select FM stereo or FM mono.

18 **PRESET/ALBUM / ▲ / ▼**
- In DISC and USB modes, skip to previous/next album.
- Select a preset radio station.

19 **FM**
- Select TUNER (FM radio) source.

### 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 bottom of the main unit. Write the numbers here:
Model No. __________________________
Serial No. __________________________

**Connect speakers**

✅ **Note**
- For optimal sound, use the supplied speakers only.
- Connect only speakers with impedance that is the same or higher than the supplied speakers. Refer to the Specifications section of this manual.

1 Insert the speaker wires completely into the speaker input sockets on the back of the unit.
Connect FM aerial

For optimal reception, fully extend and adjust the position of the antenna. For better FM stereo reception, connect an outdoor FM antenna to the FM AERIAL socket. The unit does not support MW radio reception.

Connect the supplied FM antenna to the FM socket on the back of the main unit.

Prepare the remote control

Caution
- Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back or the underside of the unit.
- Risk of electric shock! When you unplug the AC power cord, always pull the plug from the socket. Never pull the cord.
- Before you connect the AC power cord, ensure that you have completed all other connections.

Connect power

Caution
- Risk of explosion! Keep batteries away from heat, sunshine, or fire. Never discard batteries in fire.

To insert the remote control battery:
1. Open the battery compartment.
2. Insert 2 AAA batteries with correct polarity (+/-) as indicated.
3. Close the battery compartment.

Note
- If you are not going to use the remote control for a long time, remove the batteries.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed of properly.
- During operation, always point the remote control at the IR sensor.
**Turn on**

Press ø.  
» The unit switches to the last selected source.

**Switch to standby mode**

Press ø for over 3 seconds to switch the unit to Eco Power Standby mode.  
» The backlight on the display panel turns off.

To switch the unit to standby mode:
In Eco Power Standby mode, press ø for over 3 seconds to switch to Standby mode.  
» The clock (if set) appears on the display panel.s

**Set clock**

1. In standby mode, press PROG/CLOCK SET for 3 seconds to activate clock setting mode.  
   » [CLOCK SET] scrolls on the display, then the time format [24H] or [12H] appears.
2. Press ▲ / ▼ to select 24H or 12H.
3. Press PROG/CLOCK SET to confirm.  
   » The hour digits begin to blink.
4. Repeat steps 2 to 3 to set hour and minute.

**Demonstrate the unit’s features**

In the standby mode, press ▼ until [DEMO ON] is displayed.  
» This unit’s features are displayed one by one.

• To turn off the demonstration, press ▼ again.

**Store radio stations automatically**

If no radio stations are stored, the unit can store radio stations automatically.

1. Press ø to turn on the unit.
2. Press FM.  
   » [AUTO INSTALL -- PRESS PLAY -- STOP CANCEL] (press ► ▼ to start automatic installation, or press ▼ to cancel) is displayed.
3. Press ► ▼.  
   » The radio stations with sufficient signal strength are stored automatically.
   » After all available radio stations are stored, the first stored radio station broadcasts automatically.

**Note**

• To exit clock setting mode without storing, press ▼.
• If no button is pressed in 90 seconds, the unit exits clock setting mode automatically.
4 Play

Play from disc

1. Press CD to select the CD source.
2. Press ▲.
   - The disc compartment opens.
3. Place a disc with the printed side facing up.
4. Press ▲.
   - The disc compartment closes, and play starts automatically.
   - If play does not start, press ❌/▶ to select a track, then press ▶ to start play.

Play from USB

1. Insert a USB device into the USB socket.
2. Press USB to select the USB source.
   - Play starts automatically.
   - If play does not start automatically, press ALBUM/PRESET to select an album and press ❌/▶ to select a track. Then press ▶ to start play.

Basic play operations

You can control play through the following operations.

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>❌/▶</td>
<td>Press to select a track or file. Press and hold to search within the track during playback, then release to resume play.</td>
</tr>
<tr>
<td>▼</td>
<td>Press to stop play.</td>
</tr>
<tr>
<td>▶</td>
<td>Press to pause/resume play during playback.</td>
</tr>
<tr>
<td>DISPLAY</td>
<td>Press to select different play information. Press to show time during USB or Disc playback.</td>
</tr>
<tr>
<td>REPEAT/SHUFFLE</td>
<td>Press repeatedly to select a repeat play mode, or return to normal play: [REP] (repeat): play current track repeatedly. [REP ALL] (repeat all): play all tracks repeatedly. [SHUF] (shuffle): play tracks randomly.</td>
</tr>
<tr>
<td>VOL +/-</td>
<td>Press to increase/decrease volume.</td>
</tr>
<tr>
<td>□</td>
<td>Press to mute/restore sound.</td>
</tr>
<tr>
<td>DBB</td>
<td>Press to turn on or off dynamic bass enhancement. If DBB is activated, [DBB] is displayed.</td>
</tr>
<tr>
<td>DSC</td>
<td>To select your desired sound effect: [POP] (pop) [JAZZ] (jazz) [ROCK] (rock) [FLAT] (flat) [CLASSIC] (classic)</td>
</tr>
</tbody>
</table>

Note

- Ensure that the USB device contains playable audio contents in supported formats.

Note

- In DISC mode, you can also use numeric keys to select a track. If you want to select a track number larger than 10, press the first number, and then press the second number within 3 seconds. For example, if you want to select track 15, press the numeric key “1”, and then press “5” within 3 seconds.
5 Listen to FM radio

Tune to FM radio stations

Note
• Ensure that you have connected and fully extended the supplied FM antenna.

1 Press FM.
2 Press and hold ◀/▶ to tune to a radio station.
   ➙ The FM tuner tunes to a station with strong reception automatically.
3 Repeat step 2 to tune to more stations.

To tune to a weak station:
Press ◀/▶ repeatedly until you find optimal reception.

Program radio stations automatically

Note
• You can program a maximum of 20 preset radio stations.

1 Press ◀/▶/▶/▶ to tune to a radio station.
2 Press PROG/CLOCK SET to activate programming mode.
3 Press ▲/▼ to select a number from 1–20 for this radio station.
4 Press PROG/CLOCK SET to confirm.
   ➙ The preset number and the frequency of the preset station are displayed.
5 Repeat steps 1 to 4 to program other stations.

Note
• To overwrite a preset radio station, store another station in its place.

Tune to a preset radio station

Press ▲/▼ to select a preset radio station.

Show RDS information

RDS (Radio Data System) is a service that allows FM stations to show additional information. If you tune to an RDS station, an RDS icon and the station name are displayed.
1 Tune to an RDS station.
2 Press RDS repeatedly to scroll through the following information (if available):
   ➙ Station name
Program type such as [NEWS] (news), [SPORT] (sport), [POP M] (pop music)...

RDS clock
Frequency

**Synchronize clock with RDS**

You can synchronize time shown on the unit with that on the RDS station.

1. Tune to an RDS radio station that transmits time signals.
2. Press RDS for over 2 seconds.
   - [CT SYNC] is displayed and the unit reads RDS time automatically.
   - If no time signal is received, [NO CT] is displayed.

**Note**

- The accuracy of the transmitted time depends on the RDS station that transmits the time signal.

---

**6 Other features**

**Set alarm timer**

This unit can be used as an alarm clock. You can select [DISC], [TUNER] or [USB] as the alarm source.

**Note**

- Make sure that you have set the time correctly.

1. In standby mode, press and hold SLEEP/TIMER until [TIMER SET] (timer set) scrolls on the display.
   - [SELECT SOURCE] (select source) then scrolls on the screen.
2. Press SOURCE repeatedly to select a source: [DISC], [USB], or [TUNER].
3. Press SLEEP/TIMER to confirm.
   - The hour digits are displayed and begin to blink.
4. Press ▲ / ▼ repeatedly to set hour.
5. Press SLEEP/TIMER to confirm.
   - The minute digits are displayed and begin to blink.
6. Repeat step 4 to 5 to set minute and volume.
   - Alarm is set, and ⌁ is displayed.

**Activate/deactivate alarm timer**

In standby mode, press SLEEP/TIMER repeatedly to activate or deactivate timer.
- If timer is activated, ⌁ is displayed.
Tip

- Alarm timer is not available in AUDIO IN mode.
- If DISC/USB source is selected, yet no disc is placed or no USB connected, the system switches to the tuner source automatically.

Set sleep timer

When the unit is turned on, press SLEEP/TIMER repeatedly to select a time period (in minutes).
- When sleep timer is activated, \( \text{zz} \) is displayed.
- To deactivate sleep timer, press SLEEP/TIMER again until \( \text{zz} \) disappears.

Listen to external audio device

You can listen to an external audio device, such as an MP3 player, through this unit.

1. Connect the audio device.
   - For audio device with headphone sockets: Connect a 3.5mm audio link cable (not supplied) to the AUDIO IN socket and to the headphone socket on the audio device.
2. Press AUDIO IN to select AUDIO IN source.
3. Play the external audio device.

Listen through headphone

Plug a headphone into the \( \text{ headphones } \) socket on the unit.

7 Product information

Note

- Product information is subject to change without prior notice.

Specifications

Amplifier

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Output Power</td>
<td>25W RMS</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>40Hz-20kHZ, ±3dB</td>
</tr>
<tr>
<td>Signal to Noise Ratio</td>
<td>&gt;77dB</td>
</tr>
<tr>
<td>AUDIO IN Input</td>
<td>600mV RMS 22 kohm</td>
</tr>
</tbody>
</table>

Disc

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Type</td>
<td>Semiconductor</td>
</tr>
<tr>
<td>Disc Diameter</td>
<td>12cm/8cm</td>
</tr>
<tr>
<td>Audio DAC</td>
<td>24Bits / 44.1kHz</td>
</tr>
<tr>
<td>Total Harmonic Distortion</td>
<td>&lt;0.8% (1 kHz)</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>4Hz - 20kHz (44.1kHz)</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>&gt;77dBA</td>
</tr>
</tbody>
</table>

Speakers

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speaker Impedance</td>
<td>6 ohm</td>
</tr>
<tr>
<td>Speaker Driver</td>
<td>10 cm full range</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>&gt;84dB/m/W ± 4dB/m/W</td>
</tr>
</tbody>
</table>
### Tuner (FM)

- **Tuning Range**: 87.5 - 108 MHz
- **Tuning grid**: 50 KHz
- **Sensitivity**
  - Mono, 26dB S/N Ratio: <22 dBf
  - Stereo, 46dB S/N Ratio: <43 dBf
- **Search Selectivity**: <28 dBf
- **Total Harmonic Distortion**: <2%
- **Signal to Noise Ratio**: >55 dB

### General information

- **AC power**: 220-240V~, 50/60Hz
- **Operation Power Consumption**: 10W
- **Eco Standby Power Consumption**: <0.5W
- **Headphone Output**: 2x15mW 32ohm
- **USB Direct Version**: 2.0 HS
- **Dimensions**
  - **Main Unit**
    - (W x H x D): 200 x 118 x 210mm
  - **Speaker Box**
    - (W x H x D): 140 x 224 x 140mm
- **Weight**
  - **Main Unit**: 1.2 kg
  - **Speaker Box**: 1.05 kg x 2

### 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 FAT12, FAT16, FAT32 (sector size: 512 bytes)
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate
- WMA v9 or earlier

### Unsupported formats:
- Empty albums: an empty album is an album that does not contain MP3/WMA files, and is not be shown in the display.
- Unsupported file formats are skipped. For example, Word documents (.doc) or MP3 files with extension .dlf are ignored and not played.
- AAC, WAV, PCM audio files
- DRM protected WMA files (.wav, .m4a, .m4p, .mp4, .aac)
- WMA files in Lossless format

### Supported MP3 disc formats

- ISO9660, Joliet
- Maximum title number: 512 (depending on file name length)
- Maximum album number: 255
- Supported sampling frequencies: 32 kHz, 44.1kHz, 48 kHz
- Supported Bit-rates: 32~320 (kbps), variable bit rates
8 Troubleshooting

Caution
- Never remove the casing of this unit.

To keep the warranty valid, never try to repair the system yourself.
If you encounter problems when using this unit, 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 your unit is nearby and the model number and serial number are available.

No power
- Ensure that the AC power cord of the unit is connected properly.
- Ensure that there is power at the AC outlet.
- As a power-saving feature, the system switches off automatically 15 minutes after track play reaches the end and no control is operated.

No sound or poor sound
- Adjust the volume.
- Disconnect the headphones.
- Check that the speakers are connected correctly.
- Check if the stripped speaker wires are clamped.

No response from the unit
- Disconnect and reconnect the AC power plug, then turn on the unit again.
- As a power-saving feature, the system 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 IR sensor on the front of the unit.

No disc detected
- Insert a 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.

Cannot display some files in USB device
- The number of folders or files in the USB device has exceeded a certain limit. This phenomenon is not a malfunction.
- The formats of these files are not supported.

USB device not supported
- The USB device is incompatible with the unit. Try another one.

Poor radio reception
- Increase the distance between the unit and your TV or VCR.
- Fully extend the FM antenna.
- Connect an outdoor FM antenna instead.

Timer does not work
- Set the clock correctly.
- Switch on the timer.

Clock/timer setting erased
- Power has been interrupted or the power cord has been disconnected.
- Reset the clock/timer.