# Micro Hi-Fi System

Register your product and get support at

# www.philips.com/welcome

User manual



# **PHILIPS**

# Important notes for users in the U.K.

#### Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- Remove fuse cover and fuse.
- **2** Fix new fuse which should be a BS1362 3 Amp, A.S.T.A. or BSI approved type.
- **3** Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 3 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 3 Amp.

Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

#### How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).

- As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:
  - Connect the blue wire to the terminal marked N or coloured black.
  - Connect the brown wire to the terminal marked L or coloured red.
  - Do not connect either wire to the earth terminal in the plug, marked E (or ½) or coloured green (or green and yellow).

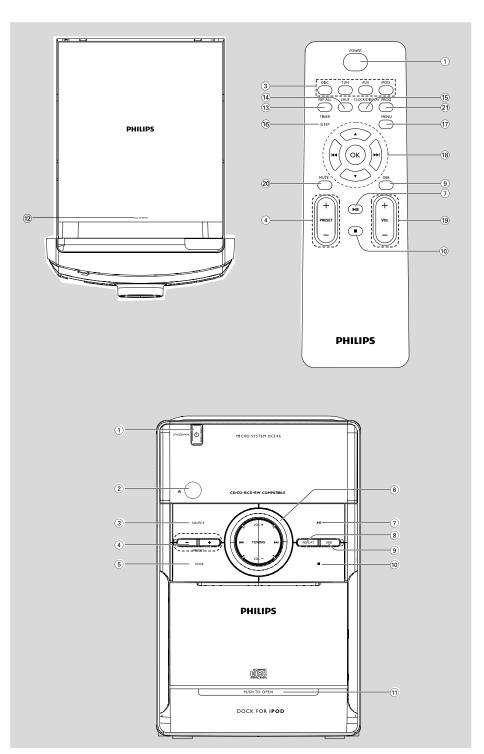
Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

#### Copyright in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.

### CAUTION

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



# **Contents**

General Information
Supplied accessories 5
Environmental Information 5
Safety Information5~6
Hearing Safety 6
Preparations
Rear connections 7
Inserting batteries into the Remote Control 8
Using the Remote Control to operate
the system 8
Controls
Controls on the system and remote control 9
Controls available on the remote
control only 9
Basic Functions
Switching the system on 10
Power-saving automatic standby 10
Adjusting volume and sound 10
CD Operation
Loading a disc11
Basic playback controls 11
Different play modes: SHUFFLE and REPEAT 12
Programming track numbers
Reviewing the programme
Erasing the programme
Radio Reception
Tuning to radio stations
Programming radio stations 13
Automatic programming Manual programming
Tuning to preset radio stations
<b>5</b> 1

iPod
Playing iPod using the dock
Charging iPod battery using the dock 14
Maintenance15
Clock/Timer
Setting the clock 16
Setting the timer16
Activating and deactivating TIMER 16
Activating and deactivating SLEEP 16
Specifications 17
Troubleshooting 18~19

# **General Information**

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.

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

### Supplied accessories

- 2 speaker boxes
- remote control
- 4 x dock adaptors

#### **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.

#### Disposal of your old product

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



When this crossed-out wheeled bin symbol is attached to a product it means 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. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

#### Notes for battery disposal

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.

### Safety Information

- Before operating the system, check that the operating voltage indicated on the typeplate (or the voltage indication beside the voltage selector) of your system is identical with the voltage of your local power supply. If not, please consult your dealer:
- Place the system on a flat, hard and stable surface.
- Where the MAINS plug or an appliance coupler is used as the disconnet device, the disconnet device shall remain readily operable.
- The apparatus shall not be exposed to dripping or splashing.
- Install the unit near the AC outlet and where the AC power plug can be easily reached.
- Place the system in a location with adequate ventilation to prevent internal heat build-up in your system. Allow at least 10 cm (4 inches) clearance from the rear and the top of the unit and 5 cm (2 inches) from each side.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- Do not expose the system, batteries or discs to excessive moisture, rain, sand or heat sources caused by heating equipment or direct sunlight.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.
- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens of the disc unit inside the system. Should this occur, the CD player would not operate normally. Leave the power on for about one hour with no disc in the system until normal playback is possible.

# **General Information**

- The mechanical parts of the set contain selflubricating bearings and must not be oiled or lubricated.
- When the system is switched to Standby mode, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.

## **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:

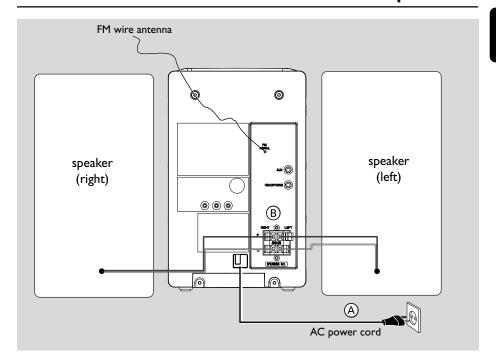
- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

#### 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.



#### **Rear connections**

The type plate is located at the rear of the system.

For users in the U.K.: please follow the instructions on page 2.

## (A) Power

 Before connecting the AC power cord to the wall outlet, ensure that all other connections have been made.

#### WARNING!

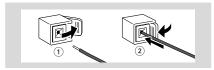
- For optimal performance, use only the original power cable.
- Never make or change any connections with the power switched on.

To avoid overheating of the system, a safety circuit has been built in. Therefore, your system may switch to Standby mode automatically under extreme conditions. If this happens, let the system cool down before reusing it (not available for all versions).

### **B** Speakers Connection

#### Front Speakers

Connect the speaker wires to the SPEAKERS terminals, right speaker to "RIGHT" and left speaker to "LEFT", coloured (marked) wire to "+" and black (unmarked) wire to "-".



 Fully insert the stripped portion of the speaker wire into the terminal as shown.

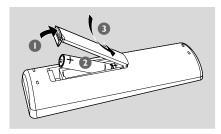
#### Notes:

- For optimal sound performance, use the supplied speakers.
- Do not connect more than one speaker to any one pair of  $\pm 1$  speaker terminals.
- Do not connect speakers with an impedance lower than the speakers supplied. Please refer to the SPECIFICATIONS section of this manual.

# **Preparations**

# Inserting batteries into the Remote Control

- Open the battery compartment.
- 2 Insert two R03 or AAA batteries following the indications (+/-) inside the compartment.
- 3 Close the cover.



# Using the Remote Control to operate the system

- Aim the Remote Control directly at the remote sensor (IR) on the front panel.
- Do not put any objects between the Remote Control and the system while operating the system.

#### **CAUTION!**

- Remove batteries if they are exhausted or if the Remote Control is not being used for a long time.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed of properly.

# Controls on the system and remote control

- 1) STANDBY-ON() (POWER)
- switches the system to standby or on.
- (2) iR SENSOR
- infrared sensor for remote control.
- **3** SOURCE
- selects the respective sound source for CD/iPod/ TUNER/AUX.
- switches on the system.
- (4) PRESET +/-

for radio .....selects a preset radio station.

- (5) DOCK
- selects the iPod source.
- 6 TUNING I◄◀ ▶►

for Tuner ......tunes to radio stations.
for CD/iPod ......skips to the beginning of the
current/previous/subsequent
track.
......................fast searches back and forward

within a track/CD. for clock/timer adjusts the hours and minutes

for clock/timer adjusts the hours and minutes for the clock/timer function

#### **VOL +/-**

- adjusts the volume level.
- (7) **M**I
- starts or interrupts CD playback.
- 8 REPEAT
- repeats a track/disc/all programmed tracks.
- (9) DBB (Dynamic Bass Boost)
- enhances the bass.
- (10)
- stops CD playback or erases a CD programme.
- (11) PUSH TO OPEN
- opens/closes the DOCK door.
- 12 PULL TO OPEN
- opens/closes the CD door.

### AUX jack (located on the back panel)

- connects an external source (3.5 mm socket)

#### **HEADPHONE** (located on the back panel)

connects headphones

# Controls available on the remote control only

- (13) REPALL
- repeats a track/disc/all programmed tracks.
- (14) SHUF
- plays CD tracks in random order.
- 15 CLOCK/DISPLAY
  - sets/views the clock.
- 16 TIMER/SLEEP
- Turns on or off timer/sets the timer function.
- activates/deactivates or selects the sleeper time.
- 17) MENU

for iPod ..... enters iPod menu.

(18) ▲ / ▼

for iPod .....navigates in iPod menu.

**44** / **>>** 

for Tuner ......tunes to radio stations. for CD/iPod ..... skips to the beginning of the current/previous/subsequent track.

.....fast searches back and forward within a track/CD.

for clock/timer adjusts the hours and minutes for the clock/timer function.

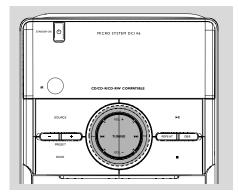
OK

for iPod ......confirms menu selection.

- 19 **VOL** +/-
- adjusts the volume level.
- 20 MUTE
- interrupts and resumes sound reproduction.
- 21) PROG

for CD ......programmes tracks and reviews the programme.
forTuner .....programmes tuner stations manually or automatically.

# **Basic Functions**



#### IMPORTANT:

Before you operate the system, complete the preparation procedures.

### Switching the system on

- Press STANDBY-ON (b) or SOURCE (POWER on the remote control).
  - → The system will switch to the last selected source.
- Press DISC, iPOD, TUN or AUX on the remote control.
  - → The system will switch to the selected source.

#### To switch the system to standby mode

 Press STANDBY-ON () on the system (or POWER on the remote control).

# To switch the system to Eco-power standby mode

- Press and hold **STANDBY-ON** (**POWER** on the remote control) for more than 2 seconds.
  - → The backlight for clock display is dim.

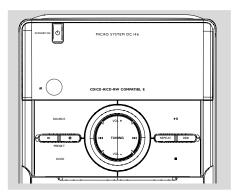
# Power-saving automatic standby

The power-saving feature automatically switches to standby 15 minutes after a CD playback has ended and no control is operated.

## Adjusting volume and sound

- **1** Press **VOL**  $\pm$ / $\pm$  to adjust volume.
  - → Display shows the volume level: Val and a number from 0-32.
- Press DBB to switch bass enhancement on or off
  - → Display shows: **DBB** if the DBB is activated.
- Press MUTE on the remote control to interrupt sound reproduction instantly.
  - → Playback will continue without sound.
- To activate sound reproduction you can:
  - press MUTE again;
  - adjust the volume controls;
  - change source.





#### IMPORTANT:

# The lens of the CD player should never be touched.



### Loading a disc

This CD player plays Audio Discs including CD-Recordables and CD-Rewritables.

- CD-ROM, CD-I, CDV, MP3 CD, VCD, DVD or computer CDs, however, are not possible.
- Select CD source.
- 2 Lift the CD door on the top of the system to open the CD compartment.
  - → "OPEn" is displayed when you open the CD compartment.



- Insert a disc with the printed side facing up and press down on PULLTO OPEN to close the CD door.
  - → "rEAd" is displayed as the CD player scans the contents of a disc, and then the total number of tracks is shown.

## **Basic playback controls**

#### To play a disc

- Press ►II to start playback.
  - → The current track number and the PLAY icon are displayed during disc playback.

#### To select a different track

 Press TUNING I→ ►► (on the remote control I→ / ►►) once or repeatedly until the desired track number appears in the display.

#### To find a passage within a track

- Press and hold down on **TUNING** I

  (on the remote control I

  √ 

  / 

  N

  ).
  - → The disc is played at high speed and low volume.
- When you recognise the passage you want, release TUNING I◄
  ►►I (on the remote control I◄
  / ►►I).
  - → Normal playback continues.

#### To interrupt playback

- Press III during playback.
  - → The display freezes and the PLAY icon flashes when playback is interrupted.
  - → To resume, press ► again.

#### To stop playback

Press ■.

Notes: CD play will also stop when;

- the CD door is opened.
- the disc has reached the end.
- you select another source: TUNER, iPod or AUX.
- you select standby.

# **CD** Operation

# Different play modes: SHUFFLE and REPEAT

You can select and change the various play modes before or during playback. The play modes cannot be combined with PROGRAMME.

SHUF ...... tracks of the entire disc are played in random order:

REP ALL ..... repeats the entire disc/ programme.

REP ..... plays the current track continuously.

- To select Repeat play mode, press REPEAT on the main unit or REP ALL on the remote control.
- To select Shuffle play mode, press SHUF on the remote control.
- Press ►II to start playback if in the STOP position.
- To return to normal playback, press the respective REPEAT (on the main unit), REP ALL or SHUF (on the remote control) button until the various SHUFFLE/ REPEAT modes are no longer displayed.
- Press once during playback to stop repeat/ shuffle playback.
- Press again to cancel repeat/shuffle play mode.

#### Note:

The SHUFFLE and REPEAT functions can be used simultaneously.

### Programming track numbers

Programme in the STOP position to select and store your disc tracks in the desired sequence. If you like, store any track more than once. Up to 20 tracks can be stored in the memory.

- In the stop position, use the **TUNING** I

  → I (on the remote control I

  ✓ / → I) to select your desired track number:
- Press PROG to store.
   → Display: PROG flashes, and ☐ I is displayed briefly, then the selected track number.
- Repeat steps 1-2 to select and store all desired tracks.
- To start playback of your disc programme, press

### Reviewing the programme

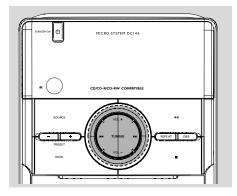
Stop playback and press PROG.

### Erasing the programme

You can erase the programme by:

- pressing once in the STOP mode;
- pressing twice during playback;
- opening the CD compartment;
  - → **PROG** disappears from the display.

# **Radio Reception**



### Tuning to radio stations

- Press SOURCE on the set repeatedly or press TUN on the remote control repeatedly until the desired waveband (FM or MW) is displayed.
- ② Press down on TUNING I◄◄ ►►I (I◄◄ / ►►I on the remote control) and release the button.
  - → The radio automatically tunes to a station with sufficient reception. Display indication during automatic tuning: 5 r c H.
- 3 Repeat step 2 if necessary until you find the desired station.
- To tune to a weak station, press TUNING I◄◄
   ►►I (I◄◄ / ►►I on the remote control)
   briefly and repeatedly until you have found optimal reception.

## Programming radio stations

You can store up to a total of 20 radio stations in the memory.

#### Automatic programming

Automatic programming will start with a chosen preset number. From this preset number upwards, former programmed radio stations will be overridden. The system will only programme stations which are not in the memory already.

Press PRESET +/- to select the preset number where programming should start.

#### Note:

- If no preset number is selected, default is preset
   (1) and all your presets will be overridden.
- 2 Press **PROG.** for more than 2 seconds to activate programming.
  - → "AUtO" is displayed and available stations are programmed in order of waveband reception strength. The first preset automatically stored will then be played.

#### Manual programming

- Tune to your desired station (see Tuning to radio stations).
- Press **PROG** to activate programming.PROG flashes in the display.
- 3 Press **PRESET** +/- to allocate a number from 1 to 20 to this station.
- Press PROG again to confirm the setting.
   PROG disappears, the preset number and the frequency of the preset station are shown.
- Repeat the above four steps to store other stations.
- You can override a preset station by storing another frequency in its place.

### Tuning to preset radio stations

 Press PRESET +/- until the desired preset station is displayed.

# Playing iPod using the dock

This system comes with a dock used for iPod. You can listen to the sound of the docked player through the powerful speakers of the system.

#### Compatible portable player

 Apple iPod models with 30-pin dock connector as follows:

Nano 1st /2nd/3rd generation, iPod 5th generation (video), iPod touch and iPod classic.

#### **Dock adaptor**

Before plugging your player in the dock, snap the suitable dock adaptor into the dock to provide a snug fit for the player to be docked.

#### Selecting the correct dock adaptor

 4 iPod dock adaptors are included. Each adaptor has indication to match different iPod types.

#### Playing iPod

- Press PUSH TO OPEN to open the dock.
- Select the dock adaptor of the correct type and size, and snap it into the dock (See "Dock adaptor").
- 3 Correctly place your iPod in the dock.
- Press SOURCE repeatedly or DOCK on the set (iPOD on the remote control) to select iPod source.
- The connected player will play automatically.



#### Notes:

- By using the buttons (►II, I◄, ►►I and VOLUME) on the set and its remote control, the following disc playback features are available: Play/ Pause, selecting next/previous track, fast forwarding/rewinding and changing volume.
- The buttons (►II, ◄◄, ►►) and VOLUME) on the set and its remote control can work only with playback of the audio contents stored on the docked player.
- Stop (■) function of disc playback is not available to the docked player.
- -To navigate the iPod menu, you may use MENU,
- **▲** ▼ and **OK** buttons on the remote control.

# Charging iPod battery using the dock

Docking your iPod and connecting the dock to DC146, you can charge the iPod in the standby mode and power-on mode of DC146.

#### Notes:

- In Eco power standby mode, iPod cannot be charged.
- In standby mode, when no iPod is plugged in for 15 minutes, the set will auto switch to Eco power mode.

#### **Cleaning the Cabinet**

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

#### **Cleaning Discs**

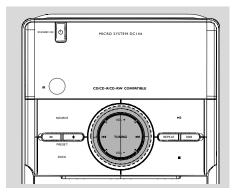
- When a disc becomes dirty, clean it with a cleaning cloth.
   Wipe the disc from the centre out.
- Do not use solvents such as benzene, thinner, commercially available cleaners, or antistatic spray intended for analogue records.



#### Cleaning the disc lens

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

## Clock/Timer



### Setting the clock

- In standby mode, press and hold CLOCK/ DISPLAY on the remote control set for 2 seconds.
- Press PROG to select 12-hour or 24-hour display.
- Press CLOCK/DISPLAY to confirm.
  The clock digits for the hours flash.
- Press TUNING I◄◄ ►►I (I◄◄ ►►I on the remote control) to set the hours.
- ⑤ Press CLOCK/DISPLAY again.→ The clock digits for the minutes flash.
- 6 Press TUNING I◄◄ ►►I (I◄◄ ►►I on the remote control) to set the minutes.
- Press CLOCK/DISPLAY to confirm the time.

# Setting the timer

- The system can be used as an alarm clock, whereby the CD, iPod or TUNER is switched on at a set time. The clock time needs to be set first before the timer can be used.
- In standby mode, press and hold TIMER/
   SLEEP about 2 seconds on the remote control.
- 2 Press **SOURCE** (or **DISC/iPOD/TUN** on the remote control) to select sound source.
- 3 Press **TIMER/SLEEP** to confirm your desired mode.
  - → The clock digits for the hours flash.
- Press TUNING I→ ►►I (I→ ►►I on the remote control) to set the hours.

- Press TIMER/SLEEP again.
  - → The clock digits for the minutes flash.
- 6 Press TUNING I→ ►► (I→ ►► on the remote control) to set the minutes.
- Press TIMER/SLEEP to confirm the time.
  - → The timer is now set and activated.

#### Notes: .

- If CD source is selected and no disc is in the CD tray or the disc has an error, TUNER will be selected automatically.
- If iPod source is selected and no iPod player is docked, TUNER will be selected automatically.

# Activating and deactivating TIMER

- In standby or during playback, press TIMER/ SLEEP once.
  - → Display shows ♠ if activated, and disappears if deactivated.

# Activating and deactivating SLEEP

The sleep timer enables the system to switch off by itself after a set period of time.

Press TIMER/SLEEP on the remote control once or more.
 → Display shows <sub>z</sub>z and one of the sleep time options in sequence: 50, 45, 30, 15, 0, 50... if you have selected a time.



- To deactivate, press TIMER/SLEEP on the remote control once or more until " □" is shown, or press STANDBY ON (b) on the system (or POWER on the remote control).
  - disappears from the display.

# **Specifications**

$\begin{array}{llllllllllllllllllllllllllllllllllll$
CD PLAYER Frequency range
TUNER         FM wave range       87.5 – 108 MHz         MW wave range       531 – 1602 kHz         Sensitivity       FM 26 dB sensitivity
<ul><li>– MW 26 dB sensitivity5 mV/m</li><li>Total harmonic distortion ≤ 5%</li></ul>

#### **SPEAKERS**

Bass reflex system Dimensions (w x h x d) . 134 x 230 x 152 (mm)

### **GENERAL INFORMATION**

AC Power220 - 230 V / 5	50 Hz
Dimensions (w $\times$ h $\times$ d) 148 $\times$ 233 $\times$ 216	(mm)
Weight (with/without speakers)	
approx. 3.65 / 1.	.53 kg
Power consumption	
Active	15 W
Standby<	4 W

Specifications and external appearance are subject to change without notice.

# **Troubleshooting**

#### WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer or Philips for help.

Problem	Solution
শেনি েট্র" is displayed.	<ul> <li>Insert a disc.</li> <li>Check if the disc is inserted upside down.</li> <li>Wait until the moisture condensation at the lens has cleared.</li> </ul>
	<ul> <li>✓ Replace or clean the disc, see "Maintenance".</li> <li>✓ Use a finalized CD-RW or CD-R.</li> <li>✓ If the signal is too weak, adjus the antenna for</li> </ul>
Radio reception is poor.	better reception.  ✓ Increase the distance between the System and yourTV orVCR.
The system does not react when buttons are pressed.	Remove and reconnect the AC power plug and switch on the system again.
Sound cannot be heard or is of poor quality.	<ul> <li>Adjust the volume.</li> <li>Disconnect the headphones.</li> <li>Check that the speakers are connected correctly.</li> <li>Check if the stripped speaker wire is clamped.</li> </ul>
The left and right sound outputs are reversed.	✓ Check the speaker connections and location.

# **Troubleshooting**

Problem	Solution
The remote control does not function properly.	<ul> <li>✓ Select the source (CD orTUNER, for example) before pressing the function button (►II, ⊢&lt;</li> <li>, ►►I).</li> <li>✓ Reduce the distance between the remote control and the system.</li> <li>✓ Insert the batteries with their polarities (+/- signs) aligned as indicated.</li> <li>✓ Replace the batteries.</li> <li>✓ Point the remote control directly towards the IR sensor.</li> </ul>
The time is not working.	<ul><li>✓ Set the clock correctly.</li><li>✓ Press TIMER/SLEEP to switch on the timer.</li></ul>
The Clock/Timer setting is erased.	✔ Power has been interrupted or the power cord has been disconnected. Reset the clock/timer.



CLASS 1 LASER PRODUCT

