



Micro Hi-Fi System



Toll Free Help Line

Ligne d'assistance en service libre
Línea de ayuda telefónica sin cargo

800-531-0039



Let's make things better.



PHILIPS





Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

- Once your Philips purchase is registered, you're eligible to receive all the privileges of owning a Philips product.
- So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

<p>Warranty Verification</p> <p>Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your Philips warranty.</p>	<p>Owner Confirmation</p> <p>Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.</p>	<p>Model Registration</p> <p>Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.</p>
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PHILIPS



Congratulations on your purchase, and welcome to the "family!"

Dear Philips product owner:

Thank you for your confidence in Philips. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the Philips "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome—and thanks for investing in a Philips product.

Sincerely,



Robert Minkhorst
President and Chief Executive Officer

P.S. Remember, to get the most from your Philips product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these safety symbols

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



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 features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

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

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference .

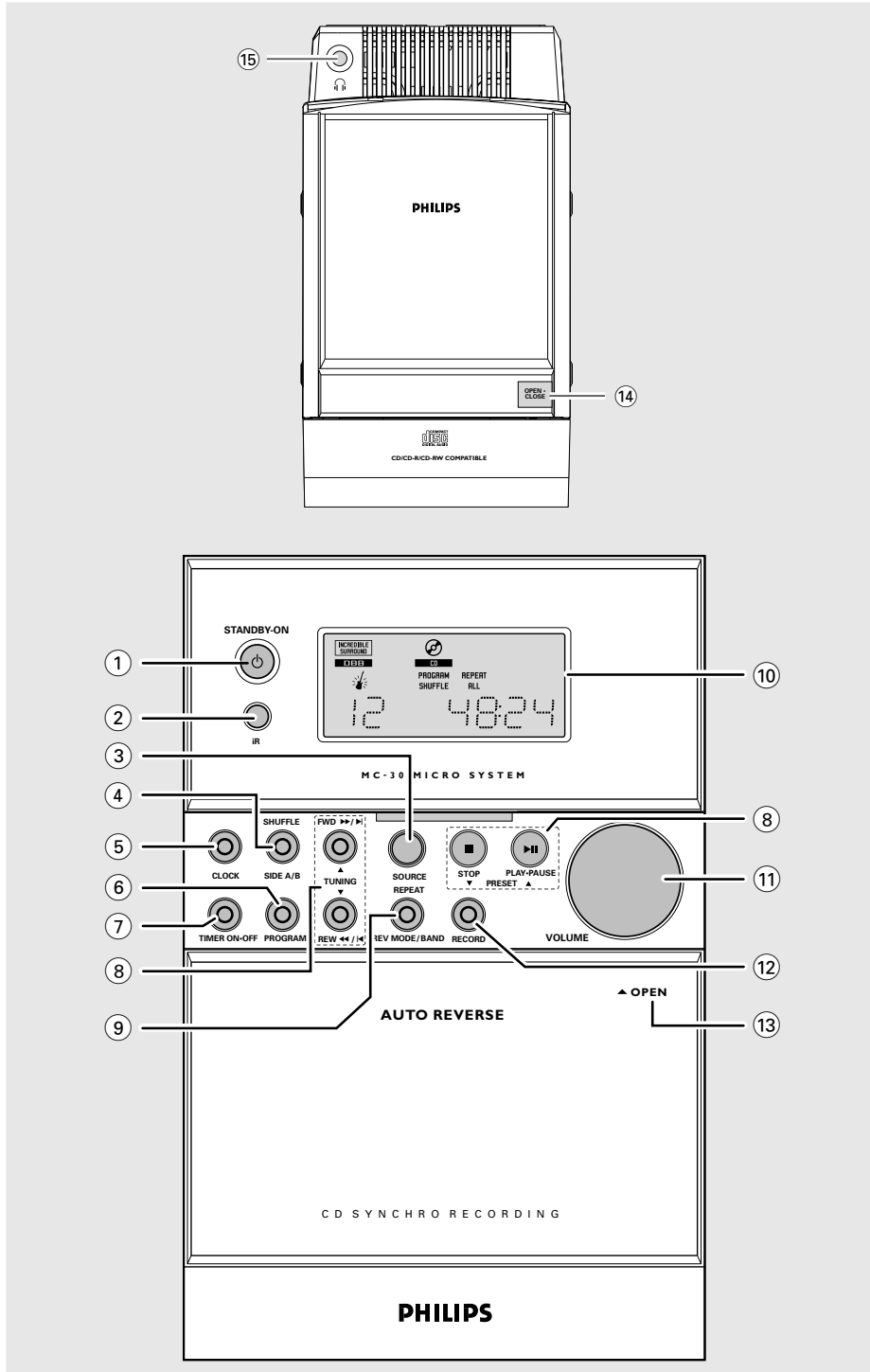
Model No. _____

Serial No. _____

MA CS097

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3

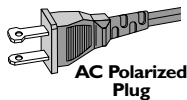


IMPORTANT SAFETY INSTRUCTIONS

– Read before operating equipment

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

- 1. Read these instructions** – All the safety and operating instructions should be read before the appliance is operated.
- 2. Keep these instructions** – The safety and operating instructions should be retained for future reference.
- 3. Heed all warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
- 4. Follow all instructions** – All operating and use instructions should be followed.
- 5. Do not use this apparatus near water** – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool, etc.
- 6. Clean only with a damp cloth.** The appliance should be cleaned only as recommended by the manufacturer.
- 7. Install in accordance with the manufacturer's instructions. Do not block any of the ventilation openings.** For example, the appliance should not be situated on a bed, sofa, rug, or similar surface or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
- 8. Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9. 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. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- 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 a 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 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.

EL 6475-E001:00/8



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English

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Read this first!

*Congratulations on your purchase of this Philips product!
Everything you need to get started is in this box.*

*If you have any problems, Philips Representatives can help
you get the most from your new product by explaining:*

- Hookup*
- First Time Setup*
- Feature Operation*

**Do not attempt to return
this product to the store.**

For Fast Help, Call Us First!

1-800-531-0039

Thank you for making Philips part of your home!



	CAUTION	
RISK OF ELECTRIC SHOCK DO NOT OPEN		
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit.



This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.

	AVIS	
RISQUE DE CHOCS ÉLECTRIQUES NE PAS OUVRIR		
Attention: Afin de prévenir le risque de chocs électriques, ne pas retirer les vis. Toute réparation devrait être confiée à un personnel qualifié.		



Ce symbole indique la présence d'une tension suffisamment élevée pour engendrer un risque de chocs électriques.



Ce symbole indique que le manuel d'installation fourni avec l'appareil contient d'importantes recommandations quant au fonctionnement et à l'entretien de ce dernier.

	AVISO	
RIESGO DE CHOQUE ELÉCTRICO NO ABRIR		
Atención: Para reducir el riesgo de choque eléctrico, no quite la tapa (o el panel posterior). En su interior no hay piezas que el usuario pueda reparar. Para servicio dirijase a personal calificado.		



Este símbolo tiene por finalidad advertir al usuario de la presencia de tensión peligrosa no aislada dentro de la caja del aparato, que puede ser lo suficientemente fuerte para constituir un peligro de choque eléctrico.



Este símbolo sirve para advertir al usuario de la presencia de instrucciones de manejo y mantenimiento (servicio) importantes en el manual que acompaña al aparato.

CAUTION

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

ATTENTION

L'utilisation des commandes ou réglages ou le non-respect des procédures ci-inclues peuvent se traduire par une exposition dangereuse à l'irradiation.

ATENCIÓN

El uso de mando o ajustes o la ejecución de métodos que no sean los aquí descritos puede ocasionar peligro de exposición a radiación.

Canada

English:

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

Français:

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Class B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

This warning label is located on the rearside and inside this laser product.

CAUTION: INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.
DANGER: INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.
VARO! AVATTAESSA JA SUOJALLUKITUS OHITETTAESSA OLET ALLTIINANAKYMATTOMAALLE LASERSATEILYLLE. ALA KATSO SATEESEEN.
WARNING! OSYMLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. OCH SPÄRREN ÄR URKOPPLAD. BETRÄKTA EJ STRÅLEN!

or

**DANGER - Invisible laser radiation when open.
AVOID DIRECT EXPOSURE TO BEAM.**



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English



General Information

- **The type plate (which contains the serial number) is located at the rear of the system.**
- **Recording is permissible if copyright or other rights of third parties are not infringed.**
- **This device complies with the Federal Communications Commission (FCC) rules, part 15 and with 21 CFR 1040.10. 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.**

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.

Supplied accessories

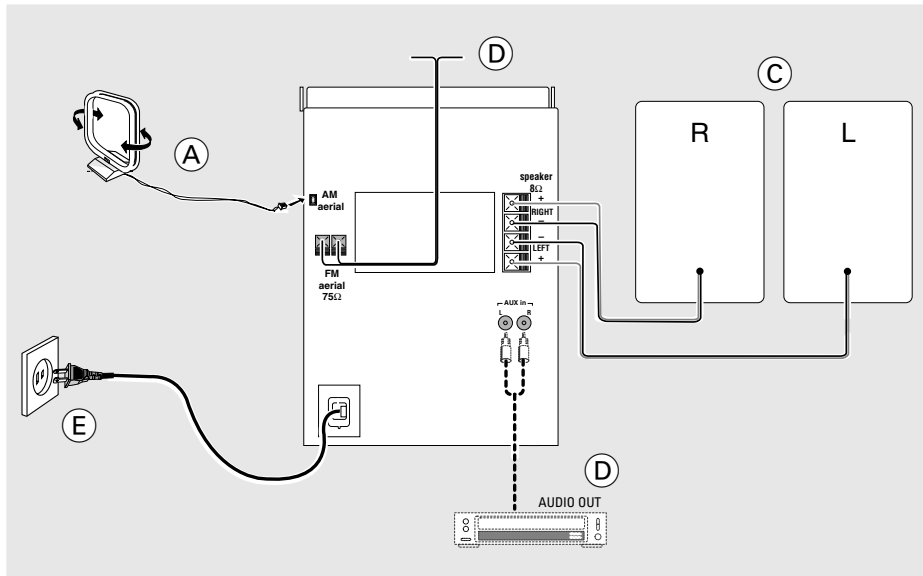
- 2 speaker boxes
- remote control
- AM frame aerial
- FM aerial wire

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: The typeplate is located at the rear of your system.
- When the system is switched on, do not move it around.
- Place the system on a solid base (e.g. a cabinet).
- 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.
- Do not expose the system to excessive moisture, rain, sand or heat sources.
- Under no circumstances should you repair the system yourself, as this will invalidate the warranty!
- 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 CD unit inside the system. Should this occur, the CD player will not operate normally. Leave the power on for about one hour with no disc in the system until normal playback is possible.
- Electrostatic discharge may cause unexpected problems. See whether these problems disappear if you unplug the AC power cord and plug it in again after a few seconds.
- **To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.**



Preparation



English

Rear Connections

(A) AM Loop Antenna Connection

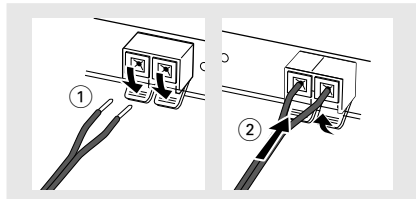
Connect the supplied loop antenna to the AM AERIAL (AM ANTENNA) terminal. Place the AM loop antenna far away from the system and adjust its position for the best reception.

(B) FM Wire Antenna Connection

Connect the supplied FM wire antenna to the FM AERIAL (FM ANTENNA) 75 Ω terminal. Adjust the position of the FM antenna for the best reception.

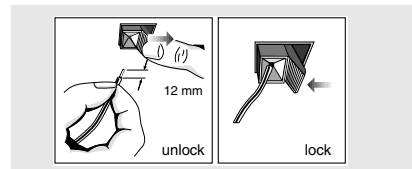
Outdoor Antenna

For better FM stereo reception, connect an outdoor FM antenna to the FM AERIAL (FM ANTENNA) 75 Ω terminal using a 75 Ω dipole wire.



(C) Speakers Connection

- Connect the right speaker to terminal marked RIGHT, with the colored wire to + and the black wire to -.
- Connect the left speaker to terminal marked LEFT, with the colored wire to + and the black wire to -.
- Clip the stripped portion of the speaker wire as shown.



CAUTION:

- For optimal sound performance, it is recommended to use the supplied speakers.
- Do not connect more than one speaker to any one pair of +/– speaker terminal.
- Do not connect speakers with impedance lower than the speakers supplied. Please refer to SPECIFICATION section of this manual.



Preparation

D Connecting other equipment to your system

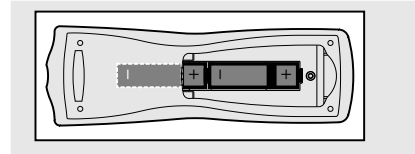
You can connect the audio left and right OUT terminals of a TV, VCR, Laser Disc player, DVD player or CD Recorder to the AUX IN terminals at the rear of the system.

E AC Power Supply

After all other connections have been made, connect the AC power cord of the system to the wall outlet.

Inserting batteries into the Remote Control

- Insert batteries (Type R06 or AA) into the remote control as shown in the battery compartment.



- To avoid damage from possible battery leakage, remove dead batteries or batteries that will not be used for a long time.

Batteries contain chemical substances, so they should be disposed off properly.

Controls (main system's illustration on page 3)

Controls on the system and remote control

- STANDBY ON**
 - switches the system to standby/on.
 - *on the remote control only* - switches the system to standby.
- iR**
 - infrared sensor for remote control.
- SOURCE**
 - selects the respective sound source for CD/ TUNER/ TAPE /AUX.
 - switches on the system.
- SHUFFLE/ SIDE A/B**
 - for CD plays CD tracks in random order.
 - for Tape switches tape direction.
- CLOCK**
 - for Clock sets the clock function.
 - for Tape shows tape counter in recording mode.
- PROGRAM**
 - for CD programs tracks and reviews the program.
 - for Tuner programs tuner stations manually or automatically.

- TIMER ON-OFF**
 - activates/deactivates or sets (*on the system only*) the timer function.
- Mode Selection**
 - **STOP** stops CD playback or erase a CD program.
..... stops tape playback/recording.
 - ▶ **PLAY•PAUSE**
 - (▶) starts CD/Tape playback.
..... (*on the remote control only*) switches Tape direction during playback.
 - (SIDE/ II) interrupts CD playback.
..... (*on the remote control only*) switches tape direction.
- PRESET** ▼▲
 - (◀▶) selects a preset radio station.
- REW** ◀◀ / ◀ **FWD** ▶▶ / ▶
 - (◀▶) skips to the beginning of a current track/previous/ subsequent track.
 - (◀◀, ▶▶) fast searches back and forward within a track/CD.
 - fast rewind/wind tape or during playback, review and cue passages.



Controls

TUNING ▲▼

(◀▶) tunes to radio stations.

⑨ **REPEAT/ REV MODE/ BAND**

for CD repeats a track/CD program/
entire CD.

for Tape selects tape reverse modes.

for Tuner selects waveband.

⑩ **Display**

– shows the status of the system.

⑪ **VOLUME (-/+)**

– adjusts the volume level.

– *on the system only* - adjusts the hour and minutes
for the clock/timer functions.

⑫ **RECORD**

– starts recording.

⑬ **OPEN**

– opens tape compartment.

⑭ **OPEN•CLOSE**

– opens/closes the CD door.

⑮

– connect headphones.

⑯ **INTERACTIVE SOUND controls:**

DBB (Dynamic Bass Boost) enhances
the bass.

DSC (Digital Sound Control) selects
sound characteristics: OPTIMAL/
ROCK/JAZZ/POP.

INC. SURR ... (Incredible Surround) creates a
super-enhanced stereo effect.

⑰ **MUTE**

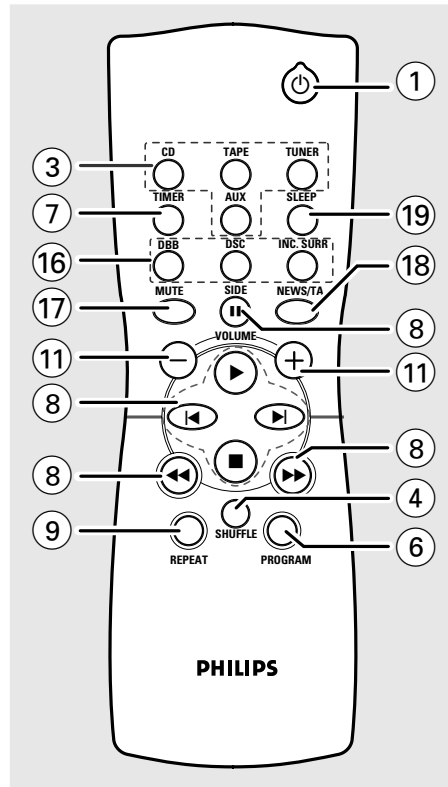
– interrupts and resumes sound reproduction.

⑱ **NEWS/TA**

– activates RDS news and Traffic Announcement
(*not available for this version*).

⑲ **SLEEP**

– activates/deactivates or selects the sleeper time.



English

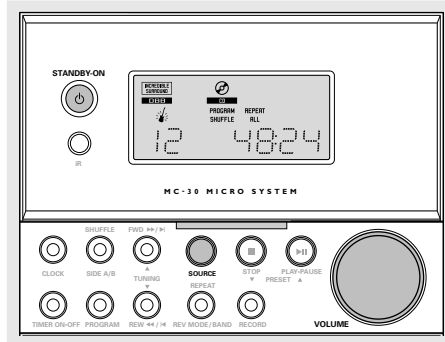
Notes for remote control:

- First select the source you wish to control by pressing one of the source select keys on the remote control (e.g. CD, TUNER, etc.).
- Then select the desired function (▶, ◀, ▶|, etc.).





Basic Functions



IMPORTANT:
Before you operate the system, complete the preparation procedures.

Switching on

There are 3 ways to switch the system on:

- press **STANDBY ON** on the system and the last selected source switches on;
- press **SOURCE** on the system and the last selected source switches on;
- press **CD, TUNER, TAPE** or **AUX** on the remote control.

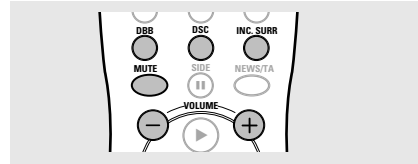
To switch the system to standby, press **STANDBY ON** once on the system (on the remote control).

- If in recording mode, press **RECORD** first.
→ The volume level, interactive sound settings, last selected source and tuner presets will be retained in the player's memory.

Power-saving automatic standby

As a power-saving feature, the system automatically switches to standby 15 minutes after a tape or CD has reached the end and no control is operated.

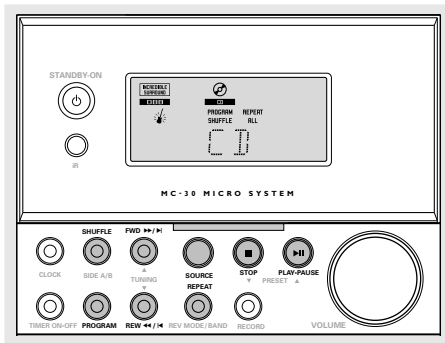
Adjusting volume and sound



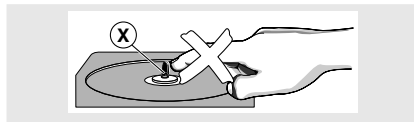
- 1 Turn the **VOLUME** control counter-clockwise to decrease or clockwise to increase volume on the system (or press **VOLUME -/+** on the remote control).
→ Display shows the volume level **VOL.** and a number from 0-32.
 - 2 Press **DBB** on the remote control to switch bass enhancement on or off.
→ Display shows: **DBB** if the DBB is activated.
 - 3 Press **DSC** on the remote control once or more to select the desired sound effect: **OPTIMAL** (no indication) / **ROCK** (🎸) / **JAZZ** (🎷) / **POP** (🎵).
 - 4 Press **INC. SURR.** on the remote control to switch the surround sound effect on or off.
→ Display shows: **INCREDIBLE SURROUND** if activated.
- Note:**
– The effect of **INCREDIBLE SURROUND** may vary with different types of music.
- 5 Press **MUTE** on the remote control to interrupt sound reproduction instantly.
→ Playback will continue without sound and the display shows **MUTE**.
- To activate sound reproduction you can:
 - press **MUTE** again;
 - adjust the volume controls;
 - change source.



Compact Disc



IMPORTANT:
The lens of the CD player should never be touched.

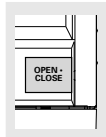


Playing a disc

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

- CD-ROM, CD-I, CDV, VCD, DVD or computer CDs, however, are not possible.

- 1 Select **CD** source.
- 2 Press **OPEN•CLOSE** on the top of the system to open the CD compartment.
→ **OPEN** is displayed when you open the CD compartment.
- 3 Insert a disc with the printed side facing up and press down on **OPEN•CLOSE** 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 and playing time are shown.
- 4 Press **▶II** (on the remote control ▶) to start playback.
→ Current track number and elapsed playing time of the track are displayed during disc playback.



- 5 To interrupt playback press **▶II** (on the remote control **SIDE/II**). Press **▶II** (on the remote control ▶) again to resume play.
→ The display freezes and the elapsed playing time flashes when playback is interrupted.

- 6 To stop disc playback, press **■**.

Note: CD play will also stop when;
 – the CD door is opened.
 – the disc has reached the end.
 – you select another source: **TAPE, TUNER or AUX.**

Selecting a different track

- Press **REW ◀◀ / ◀** or **FWD ▶▶ / ▶** on the system (on the remote control ◀ or ▶) once or repeatedly until the desired track number appears in the display.
- If you have selected a track number shortly after loading a disc or in the **PAUSE** position, you will need to press **▶II** (on the remote control ▶) to start playback.

Finding a passage within a track

- 1 Press and hold down on **REW ◀◀ / ◀** or **FWD ▶▶ / ▶**.
→ The disc is played at high speed and low volume.
- 2 When you recognize the passage you want, release **REW ◀◀ / ◀** or **FWD ▶▶ / ▶**.
→ Normal playback continues.

Note:
 – During a disc program or if **SHUFFLE/ REPEAT** active, searching is only possible within the same track.



Compact Disc

Different play modes: SHUFFLE and REPEAT

You can select and change the various play modes before or during playback. The play modes can also be combined with PROGRAM.

SHUFFLE tracks of the entire disc/ program are played in random order

SHUFFLE and **REPEAT ALL**...to repeat the entire disc/ program continuously in random order

REPEAT ALL ...repeats the entire disc/ program

REPEATplays the current track continuously

- 1 To select your play mode, press the **SHUFFLE** or **REPEAT** button before or during playback until the display shows the desired function.
- 2 Press **▶||** (on the remote control **▶**) to start playback if in the STOP position.
 - If you have selected SHUFFLE, playback starts automatically.
- 3 To return to normal playback, press the respective **SHUFFLE** or **REPEAT** button until the various SHUFFLE/ REPEAT modes are no longer displayed.
 - You can also press **■** to cancel your play mode.

Programming track numbers

Program 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.

- 1 Press **PROGRAM** on the system or remote control to enter the programming mode.
 - A track number is shown and **PROGRAM** flashes.
- 2 Use the **REW ◀◀/◀** or **FWD ▶▶/▶** on the system (on the remote control **◀** or **▶**) to select your desired track number.
- 3 Press **PROGRAM** to confirm the track number to be stored.
 - The number of tracks programmed and total playing time of the program is shown briefly, then the selected track and **PRG**.

- 4 Repeat steps 2-3 to select and store all desired tracks.
 - **FULL** is displayed if you attempt to program more than 20 tracks.
- 5 To start playback of your disc program, press **▶||** (on the remote control **▶**).

Reviewing the program

In STOP mode, press and hold down **PROGRAM** on the system or remote control, for a while until the display shows all your stored track numbers in sequence.

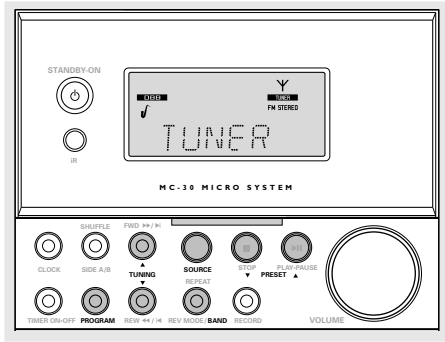
Erasing the program

You can erase the program by:

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



Tuner



Tuning to radio stations

- 1 Select **TUNER** source.
→ **TUNER** is displayed briefly.
 - 2 Press **BAND** once or more to select your waveband.
 - 3 Press down on **TUNING ▼** or **▲** and release button.
→ The radio automatically tunes to a station with sufficient reception. Display indication during automatic tuning: **SEARCH**.
→ If a FM station is received in stereo, **STEREO** is shown.
 - 4 Repeat step 3 if necessary until you find the desired station.
- To tune to a weak station, press **TUNING ▼** or **▲** briefly and repeatedly until you have found optimal reception.

Programming radio stations

You can store up to a total of 40 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 program stations which are not in the memory already.

- 1 Press **PRESET ▼** or **▲** (◀ or ▶) on the remote control) 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 **PROGRAM** on the system or remote control for more than 2 seconds to activate programming.
→ **AUTO** is displayed and available stations are programmed in order of waveband reception strength: FM followed by AM. The last preset automatically stored will then be played.

Manual programming

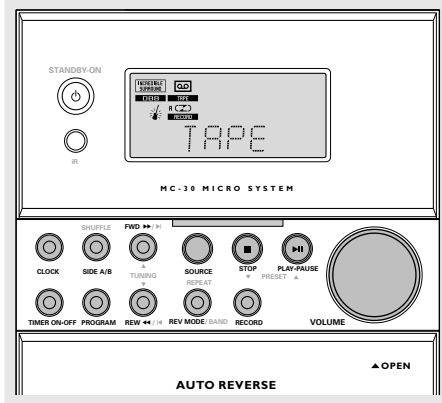
- 1 Tune to your desired station (see Tuning to radio stations).
 - 2 Press **PROGRAM** on the system or remote control to activate programming.
→ **PROGRAM** flashes in the display.
 - 3 Press **PRESET ▼** or **▲** (◀ or ▶) on the remote control) to allocate a number from 1 to 40 to this station.
 - 4 Press **PROGRAM** again to confirm the setting.
→ **PROGRAM** disappears, the preset number and the frequency of the preset station are shown.
 - 5 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 stations

- Press **PRESET ▼** or **▲** (◀ or ▶) on the remote control) until the desired preset station is displayed.



Tape Recorder



Tape playback

- 1 Select **TAPE** source.
 - The display shows **TAPE** briefly. The tape counter **TAPE 000** display with the **A** or **B** and reverse mode status are then shown during tape mode.
- 2 Press **OPEN** to open the tape door.
- 3 Insert a recorded tape and close the tape door.
 - Load the tape with the open side downward and the full spool to the left.
- 4 Press **▶▶** (on the remote control **▶**) to start playback.
- 5 By pressing **◀◀** or **▶▶** on the remote control, fast winding of tape is possible in both directions.
 - To review and cue at low volume, press **REW ◀◀ / ◀** or **FWD ▶▶ / ▶** on the system.
 - During fast winding or review/cue you can monitor the tape message with the tape counter. Release the fast wind/cue control at your desired passage.
- 6 To stop the tape, press **■**.
 - To reset the tape counter; press **■** again.

Note:

- The sound source cannot be changed while recording a tape.

Switching tape sides

The tape side can be switched manually or automatically before or during tape playback.

- Press **SIDE A/B (SIDE/II)** or during playback only **▶** on the remote control).
 - The display shows **A** or **B** and the tape counter resets to **000**.

Reverse mode options

- Press **REV MODE** once or more to select your option;
 - ◻ : playback stops at the end of the tape.
 - ◻◻ : both sides are played once.
 - ◻◻◻ : both sides are played repeatedly, up to 5 times each side.

General Information on Recording

- Recording is permissible insofar as copyright or other rights of third parties are not infringed.
- For recording, use only **NORMAL (IEC type I)** tapes on which the tabs have not yet been broken. This deck is not suited for recording on **METAL (IEC IV)** type tapes.
- The best recording level is set automatically. Altering the **VOLUME**, **INCREDIBLE SURROUND** or **DBB** will not affect the recording in progress.
- At the very beginning and end of the tape, no recording will take place during the 7 seconds when the leader tape passes the recorder heads.
- To protect a tape from accidental erasure, have the tape in front of you and break out the left tab. Recording on this side is no longer possible. If, however, you wish to record over this side again, cover the tabs with a piece of adhesive tape.



Tape Recorder

Synchro Start CD recording

- 1 Select **CD** source.
- 2 Insert a disc and if desired, program track numbers.
- 3 Press **OPEN** to open the tape door.
- 4 Insert a suitable tape into the deck and close the tape door.
- 5 Press **RECORD** to start recording.
 - **COPY** or **RECORD** is displayed briefly and **RECORD** is shown during recording.
 - Playing of the CD program starts automatically from the beginning of the CD/program after 7 seconds. It is not necessary to start the CD player separately.
- If you wish, press **CLOCK** once to monitor the counter display.
- 6 To stop recording, press ■.

Recording from the Radio





- 1 Tune to the desired radio station (see Tuning to radio stations).
- 2 Press **OPEN** to open the tape door.
- 3 Insert a suitable tape into the deck and close the tape door.
- 4 Press **RECORD** to start recording.
 - **RECORD** is displayed briefly and **RECORD** is shown during recording.
- If you wish, press **CLOCK** once to monitor the counter display.
- 5 To stop recording, press ■.

Recording from AUX

- 1 Select **AUX** source.
- 2 If necessary, prepare the additional appliance for recording.
- 3 Press **RECORD** to start recording.
 - **RECORD** is displayed briefly and **RECORD** is shown during recording.
- If you wish, press **CLOCK** once to monitor the counter display.
- 4 To stop recording, press ■.

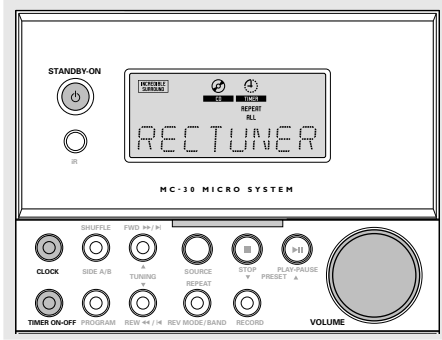
Recording Timer

To record from the radio, you will need to use a preset radio station and to set a start (ON) and finish (OFF) time.

- 1 Insert a suitable tape into the deck.
 - If desired, select tape reverse mode option.
- 2 Select the preset radio station to record from.
- 3 Press **TIMER ON•OFF** for more than 2 seconds.
 -  flashes and a source is displayed.
- 4 Press **SOURCE** repeatedly, or turn **VOLUME** clockwise until **REC TUN** source is displayed.
- 5 Press **TIMER ON•OFF** to confirm the source.
 - **SET ON TIME** is displayed,  and the clock digits for the hours flash.
- 6 Turn **VOLUME** to set the hours: clockwise for hours up; counter-clockwise for hours down.
- 7 Press **TIMER ON•OFF** again.
 - The clock digits for the minutes flash.
- 8 Turn **VOLUME** to set the minutes: clockwise for minutes up; counter-clockwise for minutes down.
- 9 Press **TIMER ON•OFF** to confirm the ON start time.
 - **SET OFF TIME** is displayed,  and the clock digits for the hours flash.
- 10 Repeat steps 6-8 to set the finish time.
- 11 Press **TIMER ON•OFF** to confirm the timer settings.
 -  is shown and the recording timer is now set.



Clock/Timer



Setting the clock

- 1 In standby, press **CLOCK**.
→ The clock digits for the hours flash.
- 2 Turn **VOLUME** to set the hours: clockwise for hours up; counter-clockwise for hours down.
- 3 Press **CLOCK** again.
→ The clock digits for the minutes flash.
- 4 Turn **VOLUME** to set the minutes: clockwise for minutes up; counter-clockwise for minutes down.
- 5 Press **CLOCK** to confirm the time.

Setting TIMER

- The system can be used as an alarm clock, whereby the CD, TUNER or TAPE is switched on at a set time. The clock time needs to be set first before the timer can be used.
 - You can also use it to record a favorite tuner program at a set period (RECTUN, see TAPE RECORDER)
 - During setting, if no button is pressed within 90 seconds, the system will exit timer setting mode automatically.
- 1 In any mode, press **TIMER ON•OFF** for more than 2 seconds.
 - 2 Turn **VOLUME** clockwise to select sound source.
→ Display sequence shows *CD, TUNER, TAPE* or *REC TUNER*.

- 3 Press **TIMER ON•OFF** to confirm your desired mode.
→ The selected source , or **RECORD** is shown.
Display sequence scrolls *SET ON TIME* and flashes. The clock digits for the hours flash.
- 4 Turn **VOLUME** to set the hours: clockwise for hours up; counter-clockwise for hours down.
- 5 Press **TIMER ON•OFF** again.
→ The clock digits for the minutes flash.
- 6 Turn **VOLUME** to set the minutes: clockwise for minutes up; counter-clockwise for minutes down.
- 7 Press **TIMER ON•OFF** to confirm the time.
→ The timer is now set and activated.

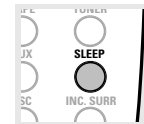
Activating and deactivating TIMER

- In standby or during playback, press **TIMER ON•OFF** on the system once (**TIMER** on the remote control).
→ 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. The clock time needs to be set first before the sleep timer can be used.

- Press **SLEEP** on the remote control once or more.
→ Display shows *SLEEP* and one of the sleep time options in sequence: *60, 45, 30, 15, SLEEP OFF, 60...* if you have selected a time. Once *SLEEP* is activated, *SLEEP ON* scrolls across the display at repeated intervals.
- To deactivate, press **SLEEP** on the remote control once or more until *SLEEP OFF* is shown, or press **STANDBY-ON** on the system or remote control.





Specifications

AMPLIFIER

Output power 2 x 10 W RMS
 Signal-to-noise ratio ≥ 65 dBA (IEC)
 Frequency response 40 – 20000 Hz, ± 3 dB
 Input sensitivity AUX 0.5 V (max. 2 V)
 Impedance loudspeakers 8 Ω
 Impedance headphones 32 Ω -1000 Ω

CD PLAYER

Frequency range 20 – 20000 Hz
 Signal-to-noise ratio 75 dBA

TUNER

FM wave range 87.5 – 108 MHz
 AM wave range 530 – 1700 kHz
 Sensitivity at 75 Ω
 – mono, 26 dB signal-to-noise ratio 2.8 μ V
 – stereo, 46 dB signal-to-noise ratio 61.4 μ V
 Selectivity ≥ 28 dB
 Total harmonic distortion $\leq 5\%$
 Frequency response 63 – 12500 Hz (± 3 dB)
 Signal-to-noise-ratio ≥ 50 dBA

TAPE DECK

Frequency response
 Normal tape (type I) 80 – 12500 Hz (8 dB)
 Signal-to-noise ratio
 Normal tape (type I) 50 dBA
 Wow and flutter $\leq 0.4\%$ DIN

SPEAKERS

Bass reflex system
 Dimensions (w x h x d) .. 155 x 224 x 250 (mm)
 6.10 x 8.82 x 9.84 (inch)

GENERAL INFORMATION

AC Power 120V / 60 Hz
 Dimensions (w x h x d) .. 140 x 228 x 262 (mm)
 5.51 x 8.98 x 10.31 (inch)
 Weight (with/without speakers)
 approx. 8.4 / 3.3 kg
 approx. 18.48 / 7.26 pound
 Standby power consumption < 3 W

Subject to modification

Maintenance

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

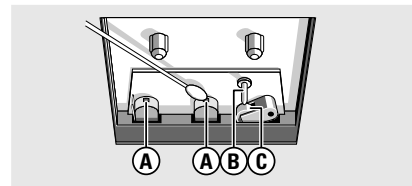


Cleaning the disc lens

- 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.

Cleaning the Heads and the Tape Paths

- To ensure good recording and playback quality, clean the heads (A), the capstan(s) (B), and pressure roller(s) (C) after every 50 hours of tape operation.
- Use a cotton swab slightly moistened with cleaning fluid or alcohol.
- You can also clean the heads by playing a cleaning tape once.



Demagnetizing the heads

- Use a demagnetizing tape available at your dealer.



Troubleshooting

WARNING

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

- 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 service center.

Symptom

Remedy

CD PLAYER OPERATION

"NO DISC" is displayed.

- Check if the disc is inserted upside down.
- Wait until the moisture condensation at the lens has cleared.
- Use a finalized CD-R(W).
- Replace or clean the disc, see Maintenance.

RADIO RECEPTION

Poor radio reception.

- The signal is too weak, adjust the antenna or connect an external antenna for better reception.
- Increase the distance from TV or VCR.

TAPE DECK OPERATION

Recording or playback cannot be made.

"CHECK TAPE" is displayed.

Tape deck door cannot open.

- Clean deck parts, see Maintenance.
- Use only NORMAL (IEC I) tape for recording.
- Apply a piece of adhesive tape over the missing tab space.
- Reconnect the AC power plug and switch on the system again.

GENERAL

Does not react when any buttons is pressed.

No or poor sound.

Reversed left and right sound.

Remote control does not function properly.

Timer is not working.

- Press STANDBY ON to switch off the system. Remove the AC power plug from the wall outlet, then reconnect the power plug and switch on the system again.
- Adjust the volume.
- Disconnect the headphones.
- Check that the speakers are connected correctly.
- Check if the stripped speaker wire is clamped.
- Check the speaker connections and location.
- Select the source (CD, TUNER, etc.) before pressing the function button (▶, ◀, ▶, etc.).
- Reduce the distance to the system.
- Insert the batteries with their polarities (+/- signs) as indicated.
- Replace the batteries.
- Set the clock.
- Press TIMER ON•OFF to switch on the timer.
- If recording is in progress, stop recording.



LIMITED WARRANTY

AUDIO SYSTEM

One Year Free Labor

One Year Free Service on Parts

This product must be carried in for repair.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. For one year thereafter, all parts will be repaired or replaced, and labor is free.

After one year from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics Company.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product that is used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP..

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...

Take the product to a Philips factory service center (see enclosed list) or authorized service center for repair. When the product has been repaired, you must pick up the unit at the center. Centers may keep defective parts.

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

TO GET WARRANTY SERVICE IN CANADA...

Please contact Philips at:

1-800-661-6162 (French Speaking)
1-800-363 7278 (English Speaking)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips Service Solutions Group, P.O. Box 2976, Longview, Texas 75606, USA, (903) 242-4800

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