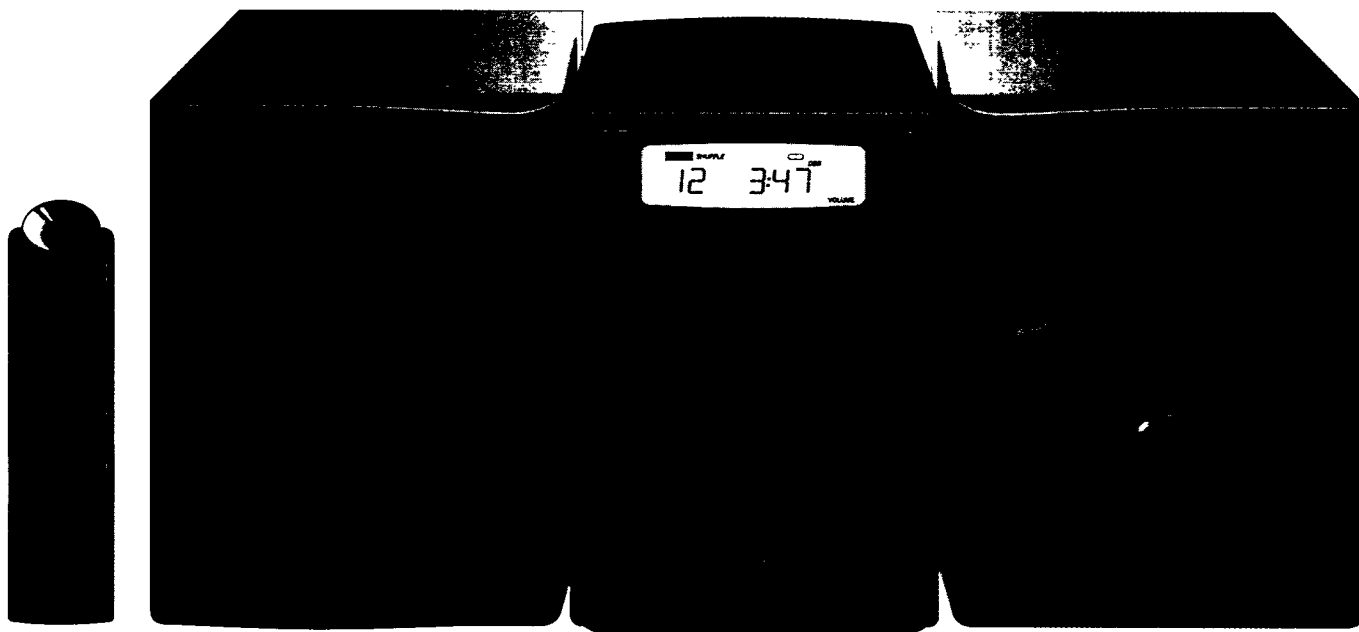


PHILIPS

FW17 Micro System



- ⓐ Instructions for Use
- ⓑ Mode d'emploi
- ⓒ Bedienungsanleitung
- ⓓ Gebruiksaanwijzing
- ⓔ Instrucciones de manejo
- ⓖ Istruzioni per l'uso
- ⓗ Bruksanvisning

PHILIPS



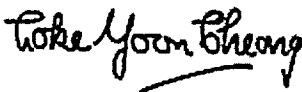
INDEX

(E) España

DECLARACION DE CONFORMIDAD CON NORMAS

El que suscribe, en nombre y representación de:
Philips Singapore Pte. Ltd.
 declara, bajo su propia responsabilidad, que el
 Equipo : **Microsistema con reproductor de CD**
 Fabricado por : **Philips Singapore Pte. Ltd.**
 En : **Far East**
 Marca : **Philips**
 Modelos : **FW17**

Objeto de esta declaración, cumple con la normativa siguiente:
 Reglamento sobre Perturbaciones Radioeléctricas, Real Decreto 138/
 1989, Anexo V.

Hecho en : Singapore, 23-03-1992
 Firma: 

Nombre : Loke Yoon Cheong
 Función : Safety & Approbation Manager

(MEX) Mexico

NOM

Es necesario que lea cuidadosamente su instructivo de manejo.
 Garantía y seguridad..... página 96

	PRECAUCION - ADVERTENCIA	
NO ABRIR, RIESGO DE CHOQUE ELECTRICO		
ATENCION		
VERIFIQUE QUE EL VOLTAJE DE ALIMENTACION SEA EL REQUERIDO PARA SU APARATO		
PARA EVITAR EL RIESGO DE CHOQUE ELECTRICO, NO quite LA TAPA: EN CASO DE REQUERIR SERVICIO, DIRIJASE AL PERSONAL AUTORIZADO DE PHILIPS.		

NOM

(GB) English

Typeplate is on rear of set.

(AUS) Australia

Guarantee page 95

(NZ) New Zealand

Guarantee page 95

(GB) English

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English

(F) Français

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Français

(D) Deutsch

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Nederlands

(E) Español

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Español

(I) Italiano

pagina 69

Italiano

(S) Svenska

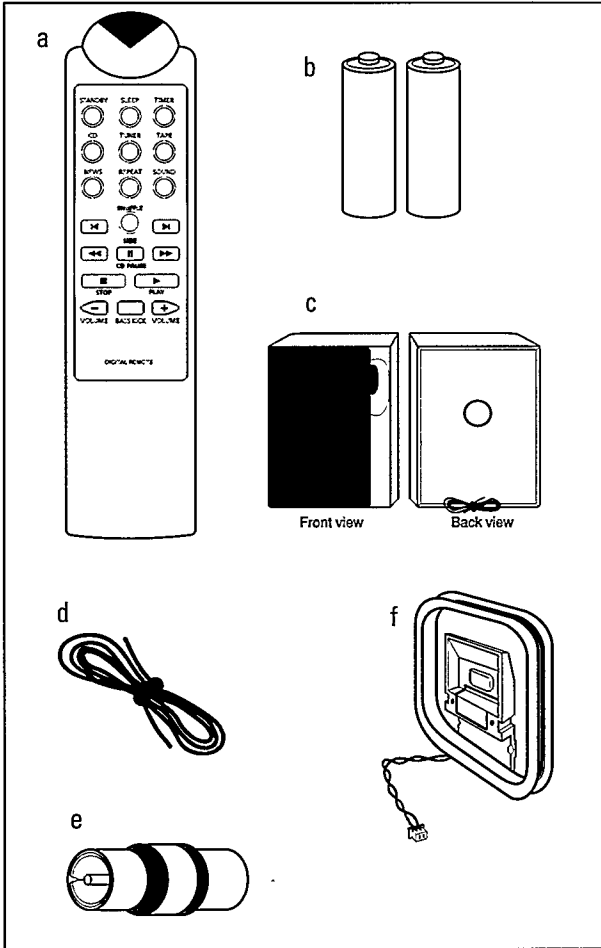
sida 82

Svenska

**CLASS 1
LASER PRODUCT**

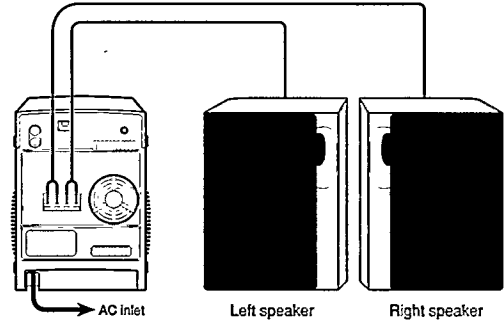
Accessories (Supplied)

- Standard items:
- a Remote control transmitter
- b Batteries (2x AAA size) for remote control transmitter
- c Loudspeaker boxes (one pair)
- d FM antenna wire
- e Adaptor Fem/Fem Din 45325 (for UK version only)
- f AM loop antenna with connector

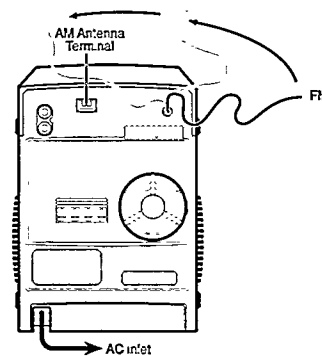


Connections

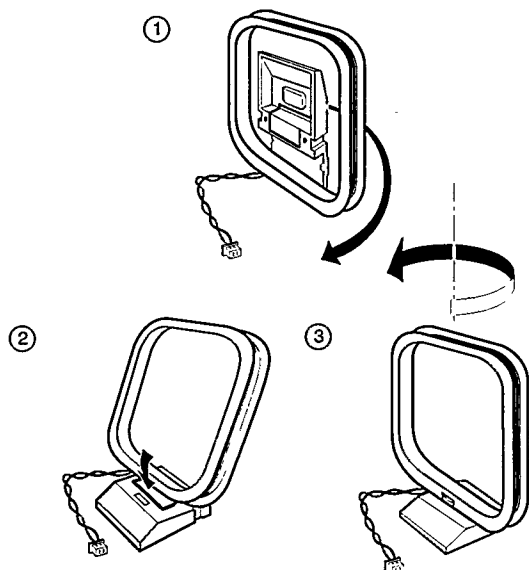
- A) Terminals for two loudspeakers, minimum impedance 6 ohms. Attach loudspeaker cables to the unit.
 Left speaker: connect the red (or marked) wire to terminal +L, the black wire to terminal -L.
 Right speaker: connect the red (or marked) wire to terminal +R, the black wire to terminal -R.



- B) Terminal for FM 75 ohm antenna. The antenna wire supplied with the unit can be connected to this terminal. Adjust the position of the FM antenna for optimum reception. For good FM stereo reception use an FM outdoor antenna.

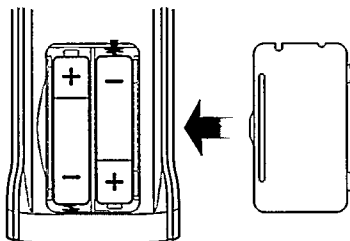


- C) Connector for MW (AM) loop antenna. Position the loop vertically and rotate loop for best MW (AM) reception.



Installation

- Insert the batteries into the remote control transmitter, as shown.

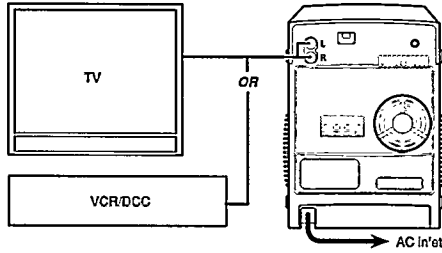


- Do not connect the unit to the mains before checking the mains voltage and before all other connections have been made.
- Do not cover any vents and make sure that there is a space of several centimetres around the unit for ventilation.

INSTALLATION

CONTROLS

D) AUX/DCC input. For connection of other sound sources (e.g. TV audio output).



E) Power cord. **Do not** connect the unit to the power without having checked whether the voltage given on the type plate corresponds with the local AC outlet voltage. If not, please consult your dealer. The type plate is located on the rear of the unit.

Important notes for users in the U.K.:

Mains Plug

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

- Remove fuse cover and fuse.
- Fix new fuse which should be a BS1362 5 A, A.S.T.A. or BSI approved type.
- 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 5 A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 A.

Notes:

The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13 A 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:

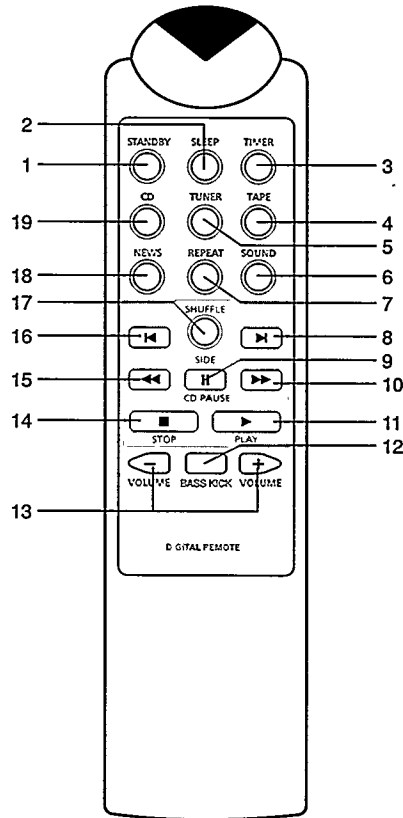
- Connect the blue wire to the terminal marked N or coloured black
- Connect the brown wire to the terminal marked L or coloured red.
- Do not connect either wire to the earth terminal in the plug, marked E (or \oplus) or coloured green (or green and yellow).

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:

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

On The Remote Control



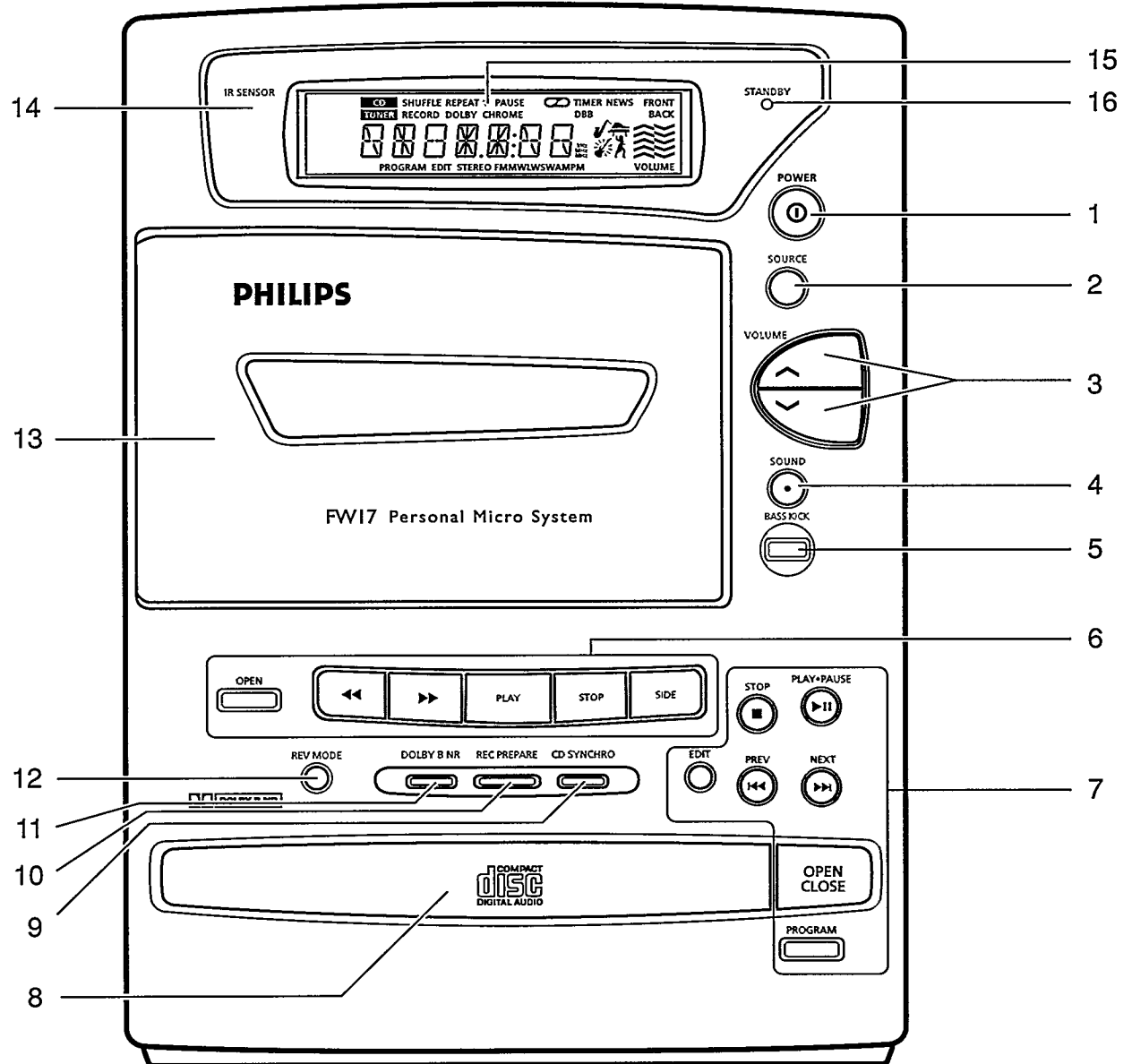
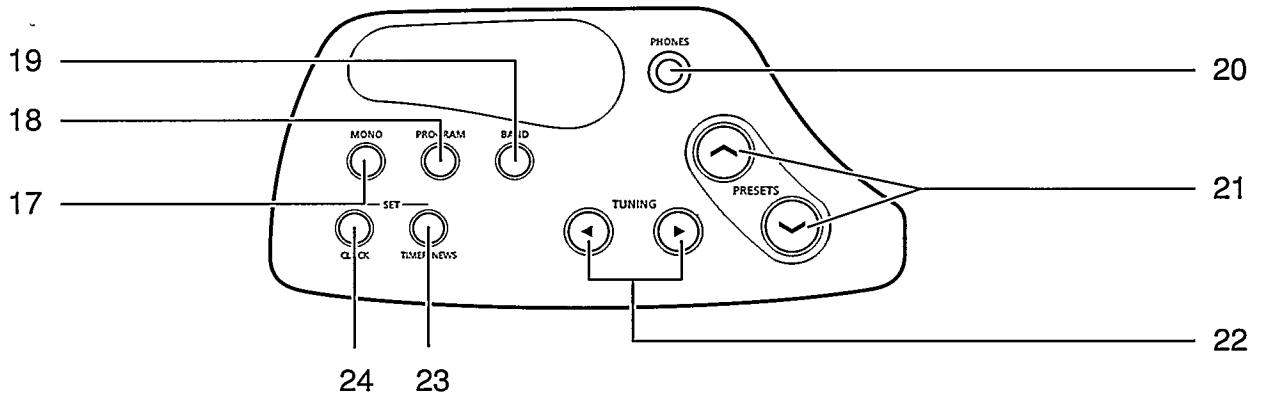
Using the Remote Control

- First select the source you wish to control by pressing one of the source select keys on the remote control (eg. CD, TUNER, TAPE). AUX is only selectable using SOURCE button on the unit.
- Then select the desired function.

- 1 STANDBY** – for switching the unit to standby mode.
- 2 SLEEP** – to activate/deactivate and select sleep mode.
- 3 TIMER** – to activate or deactivate timer.
- 4 TAPE** – To select TAPE source.
- 5 TUNER** – To select TUNER source.
- 6 SOUND** – for selecting digital sound features; FLAT, JAZZ, CLASSIC, ROCK and POP.
- 7 REPEAT** – to repeat a disc, a program or a track.
- 8 NEXT/PRESET** – for selecting tuner preset stations or next CD tracks.
- 9 CD PAUSE (or PAUSE)** – for interrupting play on CD.
SIDE – for selecting direction of play in tape mode.
- 10** – for CD Search or Tape winding.
- 11 PLAY** – for CD or TAPE DECK.
- 12 BASS KICK** – To switch on and off extra bass boost.
- 13 VOLUME +/-** – For volume adjustment.
- 14 STOP** – To stop CD or TAPE DECK.
- 15** – for CD Search or Tape rewind.
- 16 PREV/PRESET** – for selecting tuner preset stations or previous CD tracks.
- 17 SHUFFLE** – to play CD tracks at random.
- 18 NEWS** – to activate or deactivate NEWS.
- 19 CD** – To select source CD.Controls

CONTROLS

English



Controls

1 POWER

To switch the unit on or to standby mode.

2 SOURCE Button

To select source in the following sequence:
TUNER → CD → TAPE → AUX

3 VOLUME UP/DOWN buttons

To adjust the volume level.

4 SOUND Button – For selecting sound feature in the following sequence:

JAZZ → CLASSIC → ROCK → POP → FLAT

5 BASS KICK

To switch on and off extra bass boost.

6 DECK (AUTO-REVERSE, RECORD-PLAYBACK) Controls

- **PLAY button:** to start cassette playback in the selected direction.
- **STOP button:** to stop the cassette.
- **SIDE button:** to change direction of playback.
- **◀◀ button:** to fast-rewind the cassette in the selected playback direction.
- **▶▶ button:** to fast-forward the cassette in the selected playback direction.
- **OPEN button:** to open cassette door.

7 CD (Compact Disc) controls

- **STOP button:** to stop the compact disc.
- **PLAY • PAUSE button:** to start or interrupt playback.
- **OPEN/CLOSE button:** to open or close the CD tray.
- **PREV ◀◀/SEARCH button:** select a previous track or search for a passage during playback.
- **NEXT ▶▶/SEARCH button:** to select the next track or search for a passage during playback.
- **PROGRAM button:**
 - PROGRAM CD
 - REVIEW Program
 - Review recording time for edit.
- **EDIT button:** to store the optimal number of tracks on a cassette when dubbing from a CD.

8 CD Tray: for compact disc.

9 CD SYNCHRO button

For synchronous start of CD recording.

10 REC PREPARE button

To prepare Tapedeck for recording.

11 Dolby B NR button

To switch the Dolby Noise Reduction system on and off.

12 REVERSE MODE button

To select direction mode for playback or recording

13 CASSETTE COMPARTMENT

14 IR SENSOR

To receive signals from the remote control.

15 DISPLAY

To indicate the functioning of the unit.

16 STANDBY Indicator

To indicate the unit is in standby mode.

17 MONO

To switch the tuner (FM only) to mono mode.

18 PROGRAM

To program the presets.

19 BAND

To select between FM, MW and LW. (LW is not for all version).

20 PHONES

Connection for headphones.

21 ^ PRESET/PRESET v

To select the Tuner preset number. Also use for CLOCK/TIMER/NEWS setting.

22 ◀ TUNING ▶

To tune to radio stations:

◀ : lower frequencies.

▶ : higher frequencies.

or to select in various set modes.

23 TIMER/NEWS

To program Timer and News.

24 CLOCK SET

To set the clock.

Operation

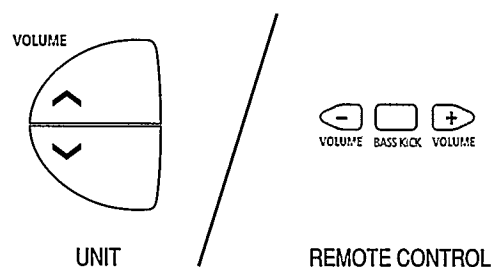
POWER ON/OFF

When you first plug the unit into the mains, the unit will go into standby mode. The display will show the time.

- "0:00" will flash until you set the clock. (See Timer and Clock function.)
- You can press the source selection button or the **POWER** button on the unit to switch on the unit.
- The standby indicator remains **on** until the power supply is switch off completely.
- Pull the mains plug out of the wall socket if you want to switch off the mains voltage completely.

Amplifier

- Press **SOURCE** on the unit or **CD, TUNER, TAPE** on the remote control to switch on the unit.
 - The display will show the sound source you have selected.
- Adjust the volume with the **VOLUME** control.



- For extra amplification of the bass press the **DBB KICK** button.
- Press **POWER** on the unit or **STANDBY** on the remote control to switch the unit to **STANDBY** mode.

SOUND FEATURE

The **SOUND** feature creates a realistic atmosphere for the style of music you select using the latest digital sound technology. The unit offers the following **SOUND** modes:

- **JAZZ:** for that brassy bite of jazz at close quarters.
- **CLASSIC:** for the dramatic depth of classical music in an auditorium.
- **ROCK:** for the subtle extension of the music's dimensions.
- **POP:** for the electric excitement of stadium pop.
- **FLAT:** cancel the sound feature.

Automatic Source Selection

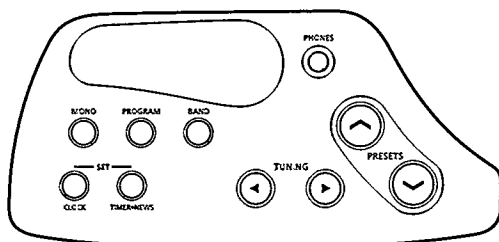
The unit is equipped with an automatic source selection function. If a button of a related function is pressed, it will automatically switch to the related source. For example, if the unit is in tuner mode and the tape play button is pressed, the source will automatically change to tape mode.

The automatic tuner-related buttons are: **PRESET UP** ^, **PRESET DOWN** v, **◀ TUNING ▶** (except in **TIMER SET** or **CLOCK SET** mode), **BAND** selector. The automatic CD-related buttons are: **PLAY•PAUSE**, **SHUFFLE** and **OPEN/CLOSE** (at standby or when disc is in the tray).

The automatic tape-related buttons are **PLAY** button, **FAST-WIND**, **FAST-REWIND** (at standby mode).

When the **POWER** button is pressed, the display will show the last sound source you have used, before switching to **STANDBY**.

Tuner



Tuning

- Select TUNER source.
 - 'TUNER' appears on the display.
- Select the tuning range with the BAND button.
- Press ◀ TUNING/TUNING ▶ for one to two seconds or more, then release the button.
 - The tuner will automatically search for the first transmitter of sufficient strength.
 - Repeat this procedure if you wish to select another station.
- To tune to weak stations, briefly depress ◀ TUNING ▶ continuously until you read the correct frequency or the reception is at its optimum.
- Switch to MONO if there is interference noise during FM stereo reception.

PRESETTING STATIONS

You can preset thirty stations in the memory. When you tune to a preset station, the memory allocation number (1-30) appears next to the frequency on the display.

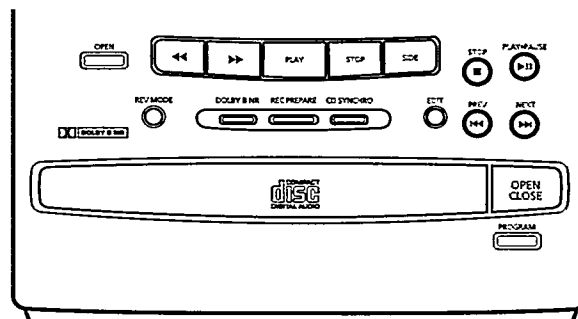
PROGRAMMING OF PRESET STATIONS

- Press PROGRAM on the unit.
 - "PROGRAM" will start to flash on the display.
- Select the tuning range with the BAND button.
- Tune to the desired station as described under *Tuning*.
- Switch the tuner to mono if the noise level is too high (i.e., if the station is too weak for stereo reception.)
- Press PRESET UP ^ or PRESET DOWN v to assign a number (1-30) to the preset station.
- Press PROG again.
 - The frequency, preset number and stereo or mono setting are now entered in the memory.
- Repeat this procedure to store other frequencies and presets in the memory.

TUNING TO PRESET STATIONS

- Select a number between 1 and 30 by pressing PRESET UP ^ or PRESET DOWN v on the unit or PREVIOUS ◀ or NEXT ▶ on the RC.
 - The preset number, frequency and waveband will appear on the display.
 - The unit will tune to the displayed station.

Compact Disc



CD Functions and Operation

In addition to the conventional 12 cm CDs, 8 cm CDs can be used without an adaptor.

- Select CD source.
- Press OPEN/CLOSE on the unit.
- Insert a CD, *printed side up*, in the tray.
- Press OPEN/CLOSE, to close the tray.
 - The CD-player starts and scans the contents list of the CD. After a few seconds, the total playing time and the number of tracks appear on the display.

Playing the entire disc

- Press PLAY•PAUSE on the unit or PLAY ▶ on the remote control.
 - Play starts with the first track.
 - The display shows the current track number and its elapsed playing time.
 - When all the tracks have been played, the CD player stops and the total number of tracks and total playing time are shown on the display.
- To stop play, press STOP ■ on the unit or remote control.
- To interrupt play, press PLAY•PAUSE on the unit or CD PAUSE on the remote control.
- To resume play, press PLAY•PAUSE on the unit again or PLAY ▶ on the remote control.

Note:

Instead of pressing the OPEN/CLOSE button after inserting the disc, you can also press the PLAY button.

- The CD tray will close and start play.

Playing in a desired order (Program)

You can store up to twenty five tracks in the memory.

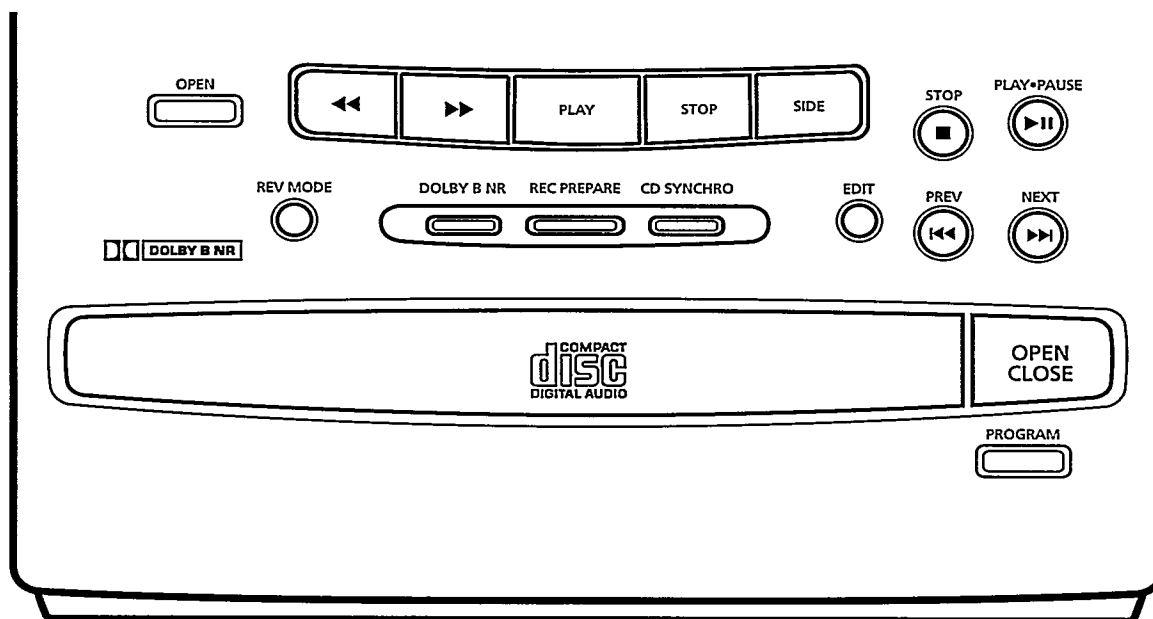
- Insert a CD, *printed side up*, in the tray.
- Press ◀◀ PREV or NEXT ▶▶ to locate a particular track.
- When you have found the correct track number, press PROGRAM to store it in the memory.
- Repeat this procedure to select other tracks that you wish to program into the memory.
- When 25 titles have been selected, "FULL" will appear on the display.

Reviewing the program

- Press PROGRAM and hold for at least 2 seconds.
 - The review of the tracks currently programmed will begin.

COMPACT DISC

English



Playing a program

- Press **PLAY•PAUSE**.
 - Play starts with the first track of the program.
 - When all tracks have been played, the display shows the total number of programmed tracks and the total playing time of the program.

Erasing all programmed tracks

- To clear all programmed tracks, press **STOP** on the unit in CD stop mode.
 - **CLEAR** will appear on the display.

Note:

- Opening and closing the CD tray will also cancel the program.

Shuffle Play

You can play all the tracks in a random order.

- Press **SHUFFLE** on the Remote Control.
 - **SHUFFLE** lights up on the display.
 - The tracks will be played in random order.
- To resume normal play mode, press **SHUFFLE** again.
- You can even shuffle a program (Program Shuffle Mode).

Repeat Play

- Press **REPEAT** on the Remote Control.
 - The repeat status changes from "REPEAT 1", "REPEAT" and repeat off.
 - **REPEAT 1**: the contents of the particular track will be replayed all over again.
 - **REPEAT**: the contents of the CD will be replayed after the last track of the CD.
- Press **STOP**, **OPEN/CLOSE** or **REPEAT** to cancel the repeat function.

Selecting a different track during play

- Press **◀ PREV/NEXT ▶** until the required track number appears in the display.
 - Shortly after this, the chosen track will start playing.

Starting again with the track that is currently playing

- Press **◀ PREV** once.
 - The track will be started again from the beginning.

Searching for a passage during play

- Hold **◀ SEARCH ▶** key down to search for the required passage.

Note:

This is an "AUDIBLE SEARCH".

The volume will automatically be reduced to a low level during search operation and will return to its normal level when the search button is released.

RECORDING FROM DISC





Manual Recording

- Press **OPEN** button on the tape deck.
- Insert a blank tape into the compartment with the open side downward.
- Close the cassette door.
- Press **DOLBY B NR** button if you wish to record in DOLBY NR system.
- Press **REV. MODE** on the unit to select \Rightarrow or \Leftarrow mode and **SIDE** button to select the direction for recording.
- Insert a disc into the CD tray.
- Select the track you wish to record. (Also a program can be made. Refer to 'Playing in the desired order').
- Press **REC PREPARE** button once, the display "RECORD" flag will flash.
- Press the **PLAY** button on the tape deck.
- Press **PLAY•PAUSE** (for CD player) on the unit.
- The recording start now.
- To stop recording, press **STOP** button on tape deck and CD player.

Programme recording




- You can pre-program the CD tracks for recording, then repeat the procedure as mentioned in manual recording.

Note:

- Recording only work with MODE  and , if the symbol is , it will automatically switched to  mode.

Dubbing a CD – with CD SYNCHRO mode

One touch CD dubbing is possible by using the CD SYNCHRO button.




- Insert a blank cassette into the cassette compartment.
- Insert a disc into the CD tray.
- Press REV MODE to select  or  mode and SIDE button to select the direction for recording.
- Press CD SYNCHRO button for more than 1 sec.
- The dubbing starts. CD pause for 7 sec. before it starts playing.
- At the end of side 1, if the mode  is selected, the deck will auto reverse and record mute for 7 sec. before the CD start playing at the beginning of the track which has been partially recorded on side 1.

Dubbing a CD – with Edit features


With Edit features, you can designate the recording time of your tape, and then the unit automatically selects tracks from a single disc that can be recorded within the designated recording time.

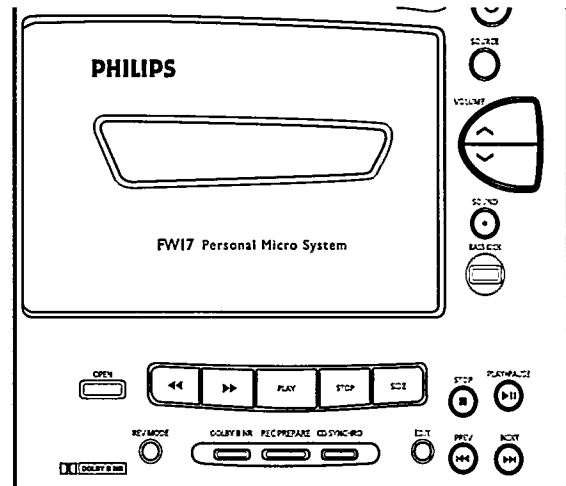
The selected tracks are then edit recorded with 4 sec. pause in between tracks.

Using EDIT function

- Press SIDE button to select the direction for recording.
- Press EDIT button.
 - The display shows  ED and "Edit" will light up.
- Use  PREV or  NEXT to find the appropriate tape length.
 - The display will scroll as follows: C60, C90 and C45
- Press EDIT to confirm one of the tape lengths.
 - The display shows the total recording time on side A and B of the cassette.
- Press the CD SYNCHRO button for more than 1 sec to start CD dubbing.
 - CD will pause at the beginning of the first track to be recorded to side A of the tape.
- Press the program key for at least 2 secs. to review the total recording time of side A and B of the tape.

Notes:

- The edit function always starts with the first track on the CD or program.
- CD will start to play after 7 sec pause with EDIT mode, so that the recording will not be interrupted by the leader tapes on tape sides A and B.
- To cancel edit during dubbing, press STOP  or OPEN/CLOSE on the CD player.




Cassette Deck

General Information

Copyright: Recording is permissible insofar as copyright or other rights of third parties are not infringed.

- The tape in the cassette is secured at both ends with leader tape. At the beginning and end of the cassette, nothing will be recorded for six to seven seconds.
- For recording, cassette of IEC type I and IEC Type II should be used.
- The unit adjusts automatically to the type used.
- The recording level is set automatically, regardless of the position of VOLUME.
- Check and tighten slack tape before use with a pencil or similar tool. Slack tape may possibly break or get jammed in the mechanism.
- Accidental erasure can be prevented by breaking the small tab in the top left-hand corner of the back of the cassette. This protection can be reversed with a piece of adhesive tape placed over the same corner. Take care not to cover the CrO₂ tape detection slot when covering the tab openings.
- C-120 tape is extremely thin and easily get deformed or damaged. It is not recommended for use in this unit.
- Store the cassettes at room temperature and do not put them too close to magnets and transformers, for example, TVs and loudspeaker boxes.

Dolby Noise Reduction (NR) System

The Dolby NR system is manufactured under license from Dolby Laboratories Licensing Corporation. The word 'Dolby' and the  symbol are trademarks of Dolby Laboratories Licensing Corporation.

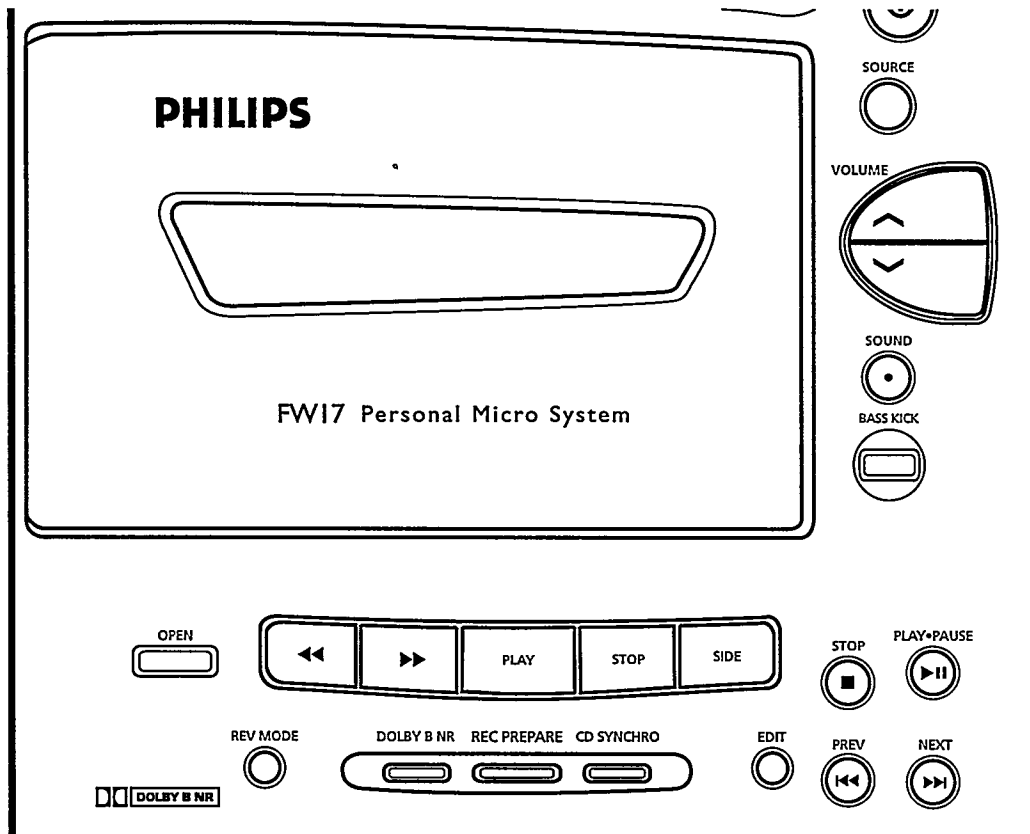
- The system is switched on and off with Dolby B NR button. A cassette recorded with the Dolby Noise Reduction system must also be played back in the Dolby NR mode. If you forget to operate the DOLBY B NR button, the treble may be reproduced too strongly or too faintly.

Inserting a Cassette

- Press OPEN button on tape deck.
- The cassette door opens.
- Insert the cassette with the exposed tape downwards.
- Close the cassette door.

CASSETTE DECK

English



Remark:

The TAPE TYPE is selected automatically.

Playback

Playback of a cassette

- Select TAPE source.
 - TAPE message appears on the display for 2 secs.
- Press OPEN button to open the cassette door.
- Insert the cassette in the deck.
- Press the SIDE button on the unit or remote control to select the play direction.
 - "FRONT" OR "BACK" appears in the display, depending on the side selected.
- Press the REV MODE button to select the mode for playback (see continuous playback).
- If it is a Dolby NR cassette, set DOLBY B NR button ON.
- Press PLAY button to start the playback.
- Playback stops or reverse when the tape reaches the end.
- Press STOP button if you want to stop playback before the end of the tape.

Wind/Rewind (◀◀ or ▶▶)

Wind or rewind of a cassette is possible while listening to another source (eg. Tuner).

- Press ◀◀ or ▶▶ on tape deck.
OR
- Briefly press TAPE on the remote control, without pointing to the set. Then press ◀◀ or ▶▶ on the remote control pointing to the set.

Wind or rewind will start with the selected direction but the set will still remain in the current source mode.

Continuous Playback

The REV MODE button (on the unit) enables you to select from the following possibilities.

- ⇄ : recording or playback on one side of the cassette in the normal or reverse direction. The tape stops at the end of one side.
- ↶ : recording or playback on both sides of the cassette; first in one direction and then in the reverse direction. The tape then stop.
- ∞ : continuous playback on both sides of the cassettes up to a maximum of 10 times per side unless you press STOP.

Recording from other sources

- Press source select on the set to select the source, eg. TUNER, CD or AUX.
- Insert a cassette in tape deck..
- Press DOLBY B NR button if you wish to record in DOLBY NR system.
- Press REV MODE to select ⇄ or ↶ mode and SIDE button to select the direction for recording.
- Press REC PREPARE button once, the display "RECORD" flag will flash.
- Press the PLAY button on DECK.
- The recording starts now, and the "RECORD" flag is on.
- To stop recording, press STOP button on tape deck.

Caution:

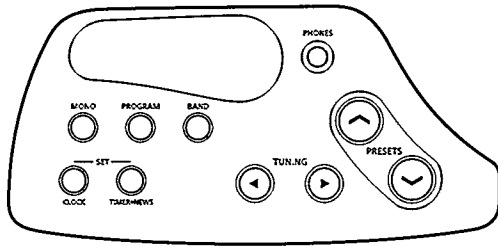
During recording, DOLBY B NR should not be changed.

Dubbing CDs

(Please refer to the section entitled **Dubbing a CD** under **COMPACT DISC**)

OTHER POSSIBILITIES

English



Clock Function

Setting the Clock

The unit has a clock in 24-hour mode.

- Press **CLOCK SET**.
- Press **PRESET UP** \wedge or **PRESET DOWN** \vee to set the correct hour.
- Press **TUNING** \blacktriangleleft or **TUNING** \blacktriangleright to select minutes setting.
- Press **PRESET UP** \wedge or **PRESET DOWN** \vee to set the correct minutes.
- Press **CLOCK SET** again to store in the memory.

Note:

The clock cannot be set with the remote control.

Timer Function

Before setting the timer, make sure the clock is correctly set.

Timer Setting

- Press **TIMER**•**NEWS**.
 - "TIMER" will appear on the display and Timer segment will flash.
- Press **PRESET UP** \wedge or **PRESET DOWN** \vee .
 - The display will switch as follows:
TIMER \rightleftharpoons **NEWS**
- Press **TIMER**•**NEWS** to confirm the **TIMER** selection.
- Press **PRESET UP** \wedge or **PRESET DOWN** \vee .
 - The display will switch as follows:
TUNER \rightarrow **CD** \rightarrow **TAPE** \rightarrow **REC TU**(Tuner Record) \rightarrow **BUZZER** \rightarrow **TUNER**
- Press **TIMER**•**NEWS** to confirm your selection.

For TUNER

- If you select **TUNER**, press **PRESET UP** \wedge or **PRESET DOWN** \vee to select a preset station.
 - The display will show the selected preset station and frequency.
- Press **TIMER**•**NEWS** to confirm the station selected.
 - The "START" segment lights up and "00:00" flashes on the display.

Setting of Start (or Stop) Time

- Press **PRESET UP** \wedge or **PRESET DOWN** \vee to scroll through the numbers to set the hour.
- Press **TUNING** \blacktriangleleft or \blacktriangleright to select minutes setting.
- Press **PRESET UP** \wedge or **PRESET DOWN** \vee to scroll through the numbers to set the minutes.
 - Press **TIMER**•**NEWS** to store the start time.
 - The **TIMER** is now activated.
 - The "TIMER" segment remains lit up.

For TUNER RECORD

- If you select **TUNER RECORD**.
 - The "START" segment lights up and "00:00" flashes on the display.
- Repeat the steps in **SETTING OF START (or STOP) TIME** section to set the start time.
- Press **TIMER**•**NEWS** again to store the start time.
 - The "STOP" segment lights up and "00:00" flashes on the display.
- Repeat the steps in **SETTING OF START (or STOP) TIME** section to set the stop time.
- Press **TIMER**•**NEWS** again to store the stop time.
 - The **TIMER** is now activated.
 - The "TIMER" segment remains lit up.

For CD and BUZZER

- If you select **CD** or **BUZZER**, repeat the steps in the setting of start (or stop) time section to set the start time.
- If you select **CD**, "Track 01" will be played from the start time.
- If you select **BUZZER**, the **BUZZER** will sound for one minute from the start time.

Note:

- To deactivate the **TIMER** function, press **TIMER** on Remote Control.
- To re-activate, press **TIMER** again on the Remote Control.
 - The **TIMER** segment lights up on the display again.

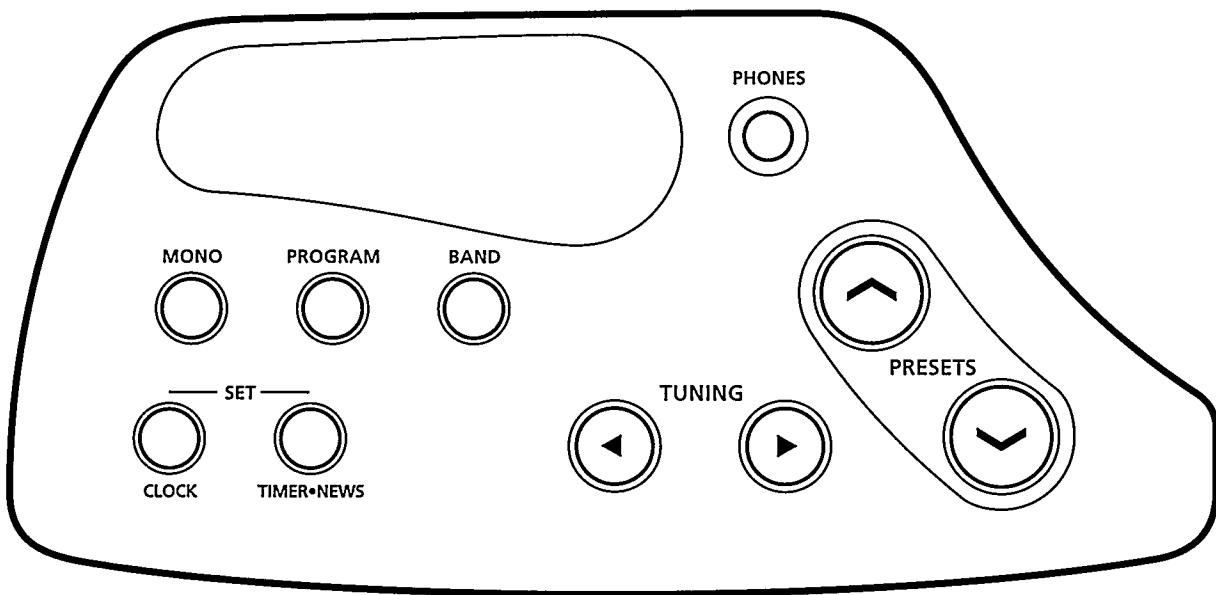
News Setting

- Press **TIMER**•**NEWS**.
 - "TIMER" will appear & Timer Segment will flash on the display.
- Press **PRESET UP** \wedge or **PRESET DOWN** \vee to select **NEWS**.
- Press **TIMER**•**NEWS** to confirm the **NEWS** selection.
 - "NEWS" will appear and news segment will flash on the display.
- Press **PRESET UP** \wedge or **PRESET DOWN** \vee to select a preset station.
 - The display will show the selected preset station and frequency.
- Press **TIMER**•**NEWS** to confirm the station selected.
 - The "START" segment lights up and ":00" flashes on the display.
- Press **PRESET UP** \wedge or **PRESET DOWN** \vee to scroll through the numbers to set the minutes.
- Press **TIMER**•**NEWS** to store this news-start time.
 - The "STOP" segment lights up and ":00" flashes on the display.
- Press **PRESET UP** \wedge or **PRESET DOWN** \vee to scroll through the numbers to set the minutes.
- Press **TIMER**•**NEWS** to store this news-stop time.
 - The **NEWS** function is now activated.
 - The "NEWS" segment remains lit up on the display.

Note:

- To deactivate the **NEWS** function, press **NEWS** on Remote Control.
- To re-activate, press **NEWS** again.
 - The **NEWS** segment lights up on the display again.
- After the news time is over, the **NEWS** function is turned off and has to be re-activated if the news is to be switched on the next hour.

OTHER POSSIBILITIES



To Activate Timer

If the timer is not activated:

- Press **TIMER** on the remote control.
 - The display will show the start time of **TIMER** and its flag.
 - **TIMER** is now active and its flag illuminated.

To Deactivate Timer

- Press **TIMER** on the remote control again.
 - **TIMER** is now deactivated and its flag is off.

Alarm Activation

When the alarm time is reached, the function currently being used will pause. The unit will switch to alarm activation mode.

Note:

- If you are recording at the time the alarm is activated, the alarm function will be cancelled.
- After 1 min, the buzzer alarm will stop and the unit returns to its previous state before the alarm was activated.

Cancel Alarm

- Press any of the automatic source selection buttons to cancel the alarm.

Repeat Alarm (Snooze)

Switch off the alarm temporarily from buzzer in standby mode.

- Press any of the function buttons (except **STANDBY**) on the remote control.
 - The buzzer is temporarily switched off.
 - It will come on again after ten minutes.
- To cancel the **REPEAT ALARM** mode, press **STANDBY** on the remote control or leave the standby mode.

Sleep (on Remote Control)

This unit has a built-in sleep function. This function enables you to listen to the unit before you fall asleep. You need not switch the unit to standby mode, as this will take place automatically. The **SLEEP** button can be found on the remote control.

- Press **SLEEP** once.
 - The display will show "SLEEP" followed by "60 MIN."
- Press **SLEEP** again to select the other times: 30 min, 10 min, or OFF.
 - The display will show the sleep time, for example, "30" to indicate that you have chosen to have the unit switched off after 30 minutes.

Notes:

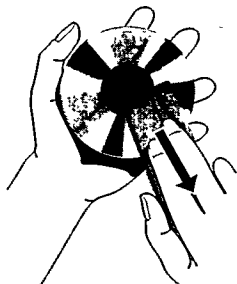
- During an active sleep timer you can reset the time to 60 MIN again by pressing the **SLEEP** button.
- The sleep setting will be cancelled when you switch your unit to standby mode (with the standby button on your remote control).

GENERAL

English

CD and CD maintenance

- Never write on a CD or attach any stickers to it.
- Keep the shiny surface of the CD clean. For cleaning, use a lint-free cloth and always wipe the disc in a straight line from the centre to the edge.

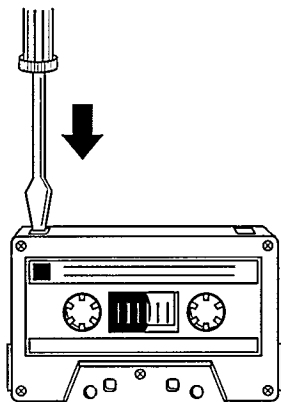


- Never use cleaning agents for conventional records.
- Never use detergents or abrasive cleaning agents.
- For cleaning the CD player use a slight damp leather cloth.
- Do not expose the unit to direct sunlight for any length of time and do not expose it to excessive heat (e.g. close to heating equipment).
- Do not expose the unit to dampness or rain.

Cassettes and Cassette deck maintenance

The tape in the cassette is secured at both ends with leader tape. You should bear in mind, therefore, that at the beginning and at the end of the cassette nothing will be recorded for 6 to 7 seconds!

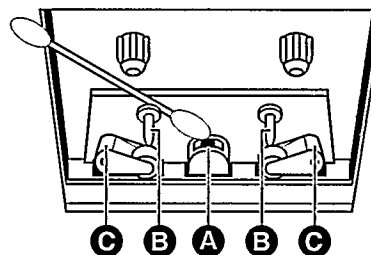
- When a new recording is made, the old one will automatically be erased. However, the accidental erasure of a recording can be prevented by breaking the small plastic projection in the top left-hand corner on the back of the cassette.



This protection against erasure or recording can be reversed by sticking a small piece of adhesive tape over the aperture that has been made. Do not cover the part of the aperture for IEC Type II cassettes.

- After use, store your cassettes in the box provided. Do not place them in the sunlight or close to magnets and transformers of TV sets and loudspeakers.

After approximately 50 hours of use the head (A), the capstans (B) and the pressure rollers (C) must be cleaned. If this is not done, both recording and playback quality may be impaired.



- You can clean these parts by playing an SBC 114 cleaning cassette or by using a cotton bud dipped in alcohol. When cleaning, make sure that the unit is not connected to the mains.
- The drive mechanism must **not** be lubricated!

Warning: Under no circumstances, should you repair any unit yourself as this will invalidate the guarantee!

Caution: Invisible laser radiation when open and interlocks defeated. Avoid exposure to beam.

This unit complies with the radio interference requirements as laid down in EC (European Community) regulations.

TECHNICAL DATA

English

Technical Data

Amplifier

Output power: 2 x 45W RMS/6 Ω/THD 10%
 Power bandwidth: 40 - 20000 Hz
 Frequency response: 40 - 20000 Hz
 Signal-to-noise ratio: ≥ 80 dBA (IEC)
 Stereo separation: ≥ 55 dB (1 kHz)
 Input sensitivity

Aux: 400 mV
 Outputs
 Loudspeakers: ≥ 6Ω
 Headphones: 32 Ω - 1000 Ω

Tuner

FM wave range: 87.5 - 108 MHz
 MW wave range: 522 - 1611 kHz
 LW wave range: (not on all version) 153 - 279 kHz
 Sensitivity at 75 Ω FM
 mono, 26 dB signal-to-noise ratio: 2.5 μV
 FM Frequency response: 63 - 15 kHz (±3 dB)
 Signal-to-noise ratio: ≥ 50 dBA

CD player

Frequency range: 20 - 20000 Hz
 Signal-to-noise: ≥ 90 dBA
 Channel separation: ≥ 60 dB
 Total harmonic distortion: ≤ 0.04%

Cassette deck

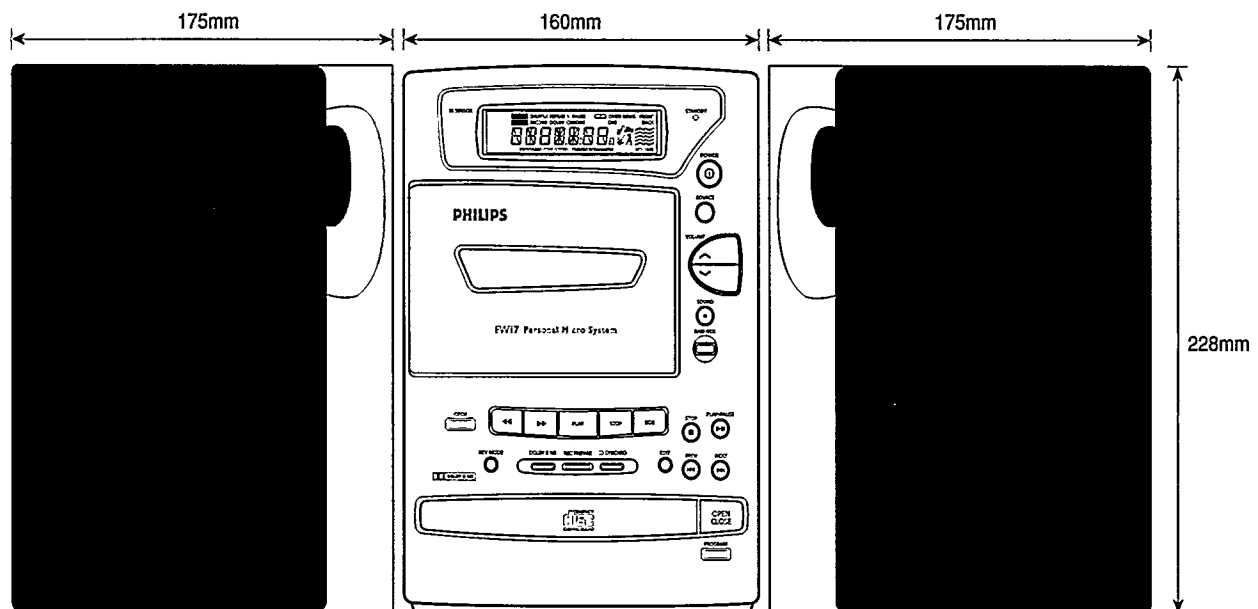
Frequency range:
 CrO₂ tape (type II): 80 - 15000 Hz (± 5 dB)
 Normal tape (type I): 80 - 14000 Hz (± 5 dB)
 Signal-to-noise ratio (without Dolby NR):
 CrO₂ tape (type II): ≥ 52 dBA
 Normal tape (type I): ≥ 52 dBA
 Wow and flutter: ≤ 0.2% DIN

Cabinet

Material/finish: Metal and polystyrene with decorative trim

Dimensions (w x h x d): 510 x 228 x 285
 Weight with speakers: 11 kg approx.
 Weight without speakers: 6 kg approx.

Subject to modification



TROUBLESHOOTING GUIDE

The following checks will assist in the correction of most problems which you may encounter with your system. Before going through the check list below, first check the following points.

- ☛ The power cord must be connected firmly.
- ☛ The speaker connection must also be firm.

Should any problem persist after you have made these checks, consult your nearest dealer.

Radio Reception	
Symptom	Cause (and Remedy)
The STEREO indicator flashes	The signal strength is too weak. (Adjust the antenna.)
Severe hum or noise	The signal strength is too weak. (Adjust the antenna.) (Connect the external antenna for a better reception)
Interference noise during FM stereo reception	(Press MONO to receive the reception in MONO.)
Cassette Deck Operation	
Recording is not possible	No cassette in the cassette holder. The small tab has been broken (This can be reversed with a piece of adhesive tape) The tape is completely wound.
Recording or playback cannot be made or there is a decrease in audio output level	Dirty tape heads. (- See section on General on cleaning of tape heads.) Magnetic build-up in the record/playback head (Use demagnetizing cassette)
Excessive wow or flutter, or sound drop-out	Contamination of the capstans or pinch rollers. (See General)
CD Player Operation	
The disc tray does not close	The disc is not inserted correctly.
The PLAY does not function when pressed	The player is in PAUSE mode. (Press PLAY again.)
"NO DISC" is displayed	The disc is inserted upside down. Moisture condensation There is no disc in the CD tray. The CD is dirty, badly scratched or warped. (Try another disc.)
Play does not start from the first track	The player is in PROGRAM mode or SHUFFLE mode. (Press STOP twice followed by PLAY button again.)
General	
Set not working	Set does not react when function buttons are pressed. (Press POWER to switch off and then on the unit or in the worst case, pull the mains plug out of the wall socket and then reconnect the unit.)
No sound output	(Press VOLUME ^) The headphones are connected, (disconnect them.) (Check that the speakers are connected.)
No sound from one speaker or unbalanced left and right sound	(Check the connection of the inoperative speaker. Make sure that the blank wire is clamped.)
Reversed left and right sound	(Check the speaker connections and speaker location.)
Lack of bass sound or apparently imprecise physical location of musical instruments	(Check the speaker connection for proper phasing, red/black wires to red/black terminals.)
Severe hum or noise	The TV or VTR is too close to the stereo system. (Separate the stereo system from the TV or VTR.)
Clock blinking	Clock shows power "OFF" time which happened more than half an hour ago. (Re-set the clock.)
Remote control has no effect on the set	(Change the batteries.) The distance is too far away/the angle is not correct.
Timer not working	Timer not on. Dubbing/recording is active.
"CHECK SPEAKER" is displayed	(Check the speaker connections for short circuits.)

GUARANTEE AND SERVICE VALID FOR AUSTRALIA

The benefits given to the purchaser by this warranty are in addition to all other rights and remedies, which, under the Trade Practices Act or other Commonwealth or State law, the purchaser or owner has in respect of the product.

The Philips product carries the following warranties:

- C-series HiFi-systems: 12 months.
- Compact Disc Players: 12 months.
- Home Audio Systems: 6 months.
- Clock radios, portable radios, cassette recorders, cassette players and radio recorders: 90 days.

Any defect in materials or workmanship occurring within the specified period from the date of delivery, will be rectified free of charge by the retailer from whom this product was purchased.

Note: Please retain your purchase docket to assist prompt service.

Conditions of this warranty

1. All claims for warranty service must be made to the retailer from whom this product was purchased. All transport charges incurred in connection with warranty service or replacement will be paid by the purchaser.
2. These warranties do not cover batteries and extend only to defects in materials or workmanship occurring under normal use of the product where operated in accordance with our instructions.

**Philips Consumer Products Division,
Technology Park
Figtree Drive, Australia Centre
Homebush 2140, New South Wales**

GUARANTEE AND SERVICE FOR NEW ZEALAND

Thank-you for purchasing this quality Philips product. Philips New Zealand Ltd guarantees this product against defective components and faulty workmanship for a period of 12 months. Any defect in materials or workmanship occurring within 12 months from the date of purchase subject to the following conditions will be rectified free of charge by the retailer from whom this product was purchased.

Conditions.

1. The product must have been purchased in New Zealand. As proof of purchase, retain the original sales docket indicating the date of purchase.
2. The guarantee applies only to faults caused by defective components, or faulty workmanship on the part of the manufacturer.
3. The guarantee does not cover failures caused by misuse, neglect, normal wear and tear, accidental breakage, use on the incorrect voltage, use contrary to operating instructions, or unauthorised modification to the product or repair by an unauthorised technician.
4. Reasonable evidence (in the form of a sales docket) must be supplied to indicate that the product was purchased no more than 12 months prior to the date of your claim.
5. In the event of a failure, Philips shall be under no liability for any injury, or any loss or damage caused to property or products other than the product under guarantee.

This guarantee does not prejudice your rights under common law and statute, and is in addition to the normal responsibilities of the retailer and Philips.

How to claim.

Should your Philips product fail within the guarantee period, please return it to the retailer from whom it was purchased. In most cases the retailer will be able to satisfactorily repair or replace the product. However, should the retailer not be able to conclude the matter satisfactorily, or if you have other difficulties claiming under this guarantee, please contact

**The Guarantee Controller,
Philips New Zealand Ltd.
P.O. Box 41.021
Auckland
(09) 84 94 160
fax (09) 84 97 858**

GARANTÍA PARA MEXICO

Este aparato está fabricado con materiales de alta calidad y ha sido cuidadosamente verificado. Philips, por lo tanto, da a usted una garantía de 12 meses a partir de su fecha de compra.

La garantía ampara la reposición de las piezas defectuosas debidas a fallas en su montaje o en los materiales, incluyendo la mano de obra necesaria para su reemplazo en nuestras Sucursales o talleres autorizados.

En caso de fallas en su aparato le rogamos se sirva poner en contacto con su distribuidor.

Esta garantía no cubrirá las averías que resulten como consecuencia de una instalación incorrecta del aparato, manifiesto maltrato o uso inadecuado del mismo.

Philips se obliga a reparar y devolver a usted su aparato en un plazo no mayor de 30 días hábiles contados a partir de la fecha de haber ingresado su aparato a uno de nuestros talleres.

Para que esta garantía sea válida, es necesario que el certificado que figura en la parte posterior de esté instructivo haya sido debidamente llenado en el momento de la compra del aparato.

En caso de extravío del certificado con la presentación de la factura o remisión de su aparato podrá hacer efectiva la garantía correspondiente.

Si usted tiene alguna duda o pregunta que no le pueda solucionar su distribuidor, por favor ponerse en contacto con

**Oficinas Centrales de Servicio,
Av. Coyoacán No. 1051, Col. del Valle,
03100 MÉXICO, D.F.
☎ 5-75-20-22 o 5-75-01-00**

ENVIRONMENTAL ISSUES

ENGLISH

- 1 All redundant packaging material has been omitted. We have done our utmost to make the packaging easy separable into three mono-materials:
 - cardboard (box)
 - expandable polystyrene (buffer)
 - polyethylene (bags, protective foam sheet)Please observe the local regulations regarding the disposal of these packaging materials.
- 2 Your set consists of materials which can be recycled and reused if disassembled by a specialized company. Please inquire about local regulations on how to hand in your old set for recycling.
- 3 Do not dispose of exhausted batteries with your household waste.
Please inquire about how to dispose of batteries according to local regulations.
- 4 Note: Switching off the standby mode overnight will save energy.

DEUTSCH

- 1 Überflüssiges Verpackungsmaterial wurde vermieden. Wir haben unser möglichstes getan, damit die Verpackung leicht in drei Monomaterialien aufteilbar ist:
 - Wellpappe (Schachtel)
 - expandierbares Polystyrol - Styropor® (Puffer)
 - Polyäthylene (Taschen, Schaumstoffolien)Bitte informieren Sie sich darüber, wie Sie diese Verpackungsmaterialien entsprechend den örtlichen Bestimmungen entsorgen können.
- 2 Ihr Audioset besteht aus Materialien, die von darauf spezialisierten Betrieben wiederverwertet werden können.
Bitte informieren Sie sich darüber, wie Sie Ihr altes Gerät entsprechend den örtlichen Entsorgungsbestimmungen einem Recyclingverfahren zuführen können.
- 3 Werfen Sie keine Batterien in den Hausmüll!
Bitte erkundigen Sie sich, wie die Batterien gemäß den örtlichen Bestimmungen entsorgt werden sollen.
- 4 Anm.: Durch das Abschalten der "Bereitschaft" (standby) in der Nacht sparen Sie Energie.

FRANÇAIS

- 1 Tous les matériaux d'emballage superflus ont été supprimés. Nous avons fait notre possible afin que l'emballage soit facilement séparable en trois types de matériau :
 - carton (boîte)
 - polystyrène expansible (matériel tampon)
 - polyéthylène (sachets, panneau en matière plastique cellulaire de protection)Veillez observer les règlements locaux lorsque vous vous débarrassez de ces matériaux d'emballage.
- 2 Votre appareil est composé de matériaux pouvant être recyclés et réutilisés s'il est démonté par une firme spécialisée.
Veillez vous informer sur les règlements locaux et sur la manière de rendre votre ancien appareil à des fins de recyclage.
- 3 Ne jetez pas les piles usées avec vos déchets ménagers. Informez-vous de la manière dont vous débarrasser des piles conformément aux règlements locaux.
- 4 Remarque : Le fait de mettre le mode de veille hors tension pendant la nuit est un bon moyen d'économiser l'énergie.

NEDERLANDS

- 1 Alle overtollige verpakkingsmateriaal is weggelaten. Wij hebben ons uiterste best gedaan om de verpakking zodanig te maken dat deze gemakkelijk in de volgende drie monomaterialen te scheiden is:
 - karton (doos)
 - uitzetbaar polystyreen (buffer)
 - polyethyleen (zakken, beschermende schuimlaag)Neem de plaatselijke voorschriften in acht met betrekking tot het weggooien van dit verpakkingsmateriaal.
- 2 Dit apparaat bestaat uit materialen die gerecycleerd en opnieuw gebruikt kunnen worden mits het door een gespecialiseerd bedrijf gedemonteerd wordt. Informeer bij de plaatselijke autoriteiten hoe u uw oude apparaat voor recycling moet inleveren.
- 3 Gooi lege batterijen niet weg bij het huisvuil. Informeer bij de plaatselijke autoriteiten hoe u uw oude batterijen moet wegdoen.
- 4 Opmerking: U kunt energie besparen door 's nachts de wachtstand ("stand-by") uit te schakelen.

ENVIRONMENTAL ISSUES

English

ESPAÑOL

- 1 Se ha suprimido todo el material de embalaje innecesario. Hemos hecho todo lo posible por que el embalaje pueda separarse fácilmente en tres materiales independientes:
 - cartón (caja)
 - poliestireno expandible (amortiguación)
 - polietileno (bolsas, plancha de espuma protectora)Observe las disposiciones locales referentes a la eliminación de estos materiales de embalaje.
- 2 Los materiales que componen el equipo son reciclables y reutilizables si son desmontados por una empresa especializada. Infórmese sobre las normativas locales referentes a la forma de entregar su antiguo equipo para el reciclaje.
- 3 No tire al cubo de la basura las pilas usadas. Infórmese sobre cómo deshacerse de las pilas usadas de acuerdo con las normativas locales.
- 4 Observación: La desconexión del modo de espera durante la noche supondrá un ahorro de energía.

ITALIANO

- 1 Tutto il materiale di imballaggio superfluo è stato eliminato. Abbiamo fatto tutto il possibile per rendere l'imballaggio facilmente separabile in tre singoli materiali:
 - cartone (scatola)
 - polistirolo espanso (protezione)
 - polietilene (sacchetti, foglio protettivo in schiuma di lattice)Per lo smaltimento di questi materiali di imballaggio, attenersi alle norme di legge vigenti a livello locale.
- 2 L'apparecchio è costituito da materiali che possono essere riciclati e riutilizzati se disassemblati da una società specializzata. Per lo smaltimento del vecchio apparecchio con procedure idonee per il riciclaggio, attenersi alle norme di legge vigenti a livello locale.
- 3 Non buttare le batterie scariche assieme ai rifiuti domestici. Informarsi sulle norme di legge vigenti a livello locale in materia di smaltimento batterie.
- 4 Nota: Commutando di notte l'apparecchio nel modo standby, si ottiene un notevole risparmio di energia.

SVENSKA

- 1 Allt onödigt förpackningsmaterial har tagits bort. Vi har också gjort så att materialet skall vara lätt att dela upp i tre materialgrupper för återvinning:
 - kartongpapper (låda)
 - expanderad polystyren (stötupptagare)
 - polyeten (plastpåsar, skyddsfolie)Tag reda på vilka bestämmelser som gäller lokalt för hantering av förpackningsmaterialet.
- 2 Apparaten består delvis av material som kan återanvändas, om den plockas isär och tas om hand av en specialfirma. Tag reda på vilka lokala bestämmelser som gäller för hantering av din gamla anläggning.
- 3 Släng inte batterierna bland hushållssoporna. Följ de lokala bestämmelser som gäller för återlämning av batterier.
- 4 Märk: Om du stänger av med strömbrytaren över natten sparar du energi.

FW17

