



Mini Hi-Fi System



Let's make things better.



PHILIPS





Important notes for users in the U.K.

Mains plug

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

- 1 Remove fuse cover and fuse.
- 2 Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.
- 3 Refit the fuse cover.

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

If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

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

How to connect a plug

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

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

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

Copyright in the U.K.

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

Italia

DICHIARAZIONE DI CONFORMITA'

Si dichiara che l'apparecchio FW-C115 Philips risponde alle prescrizioni dell'art. 2 comma 1 del D.M. 28 Agosto 1995 n. 548.

Fatto a Eindhoven

Philips Consumer Electronics
Philips, Glaslaan 2
5616 JB Eindhoven, The Netherlands

Norge

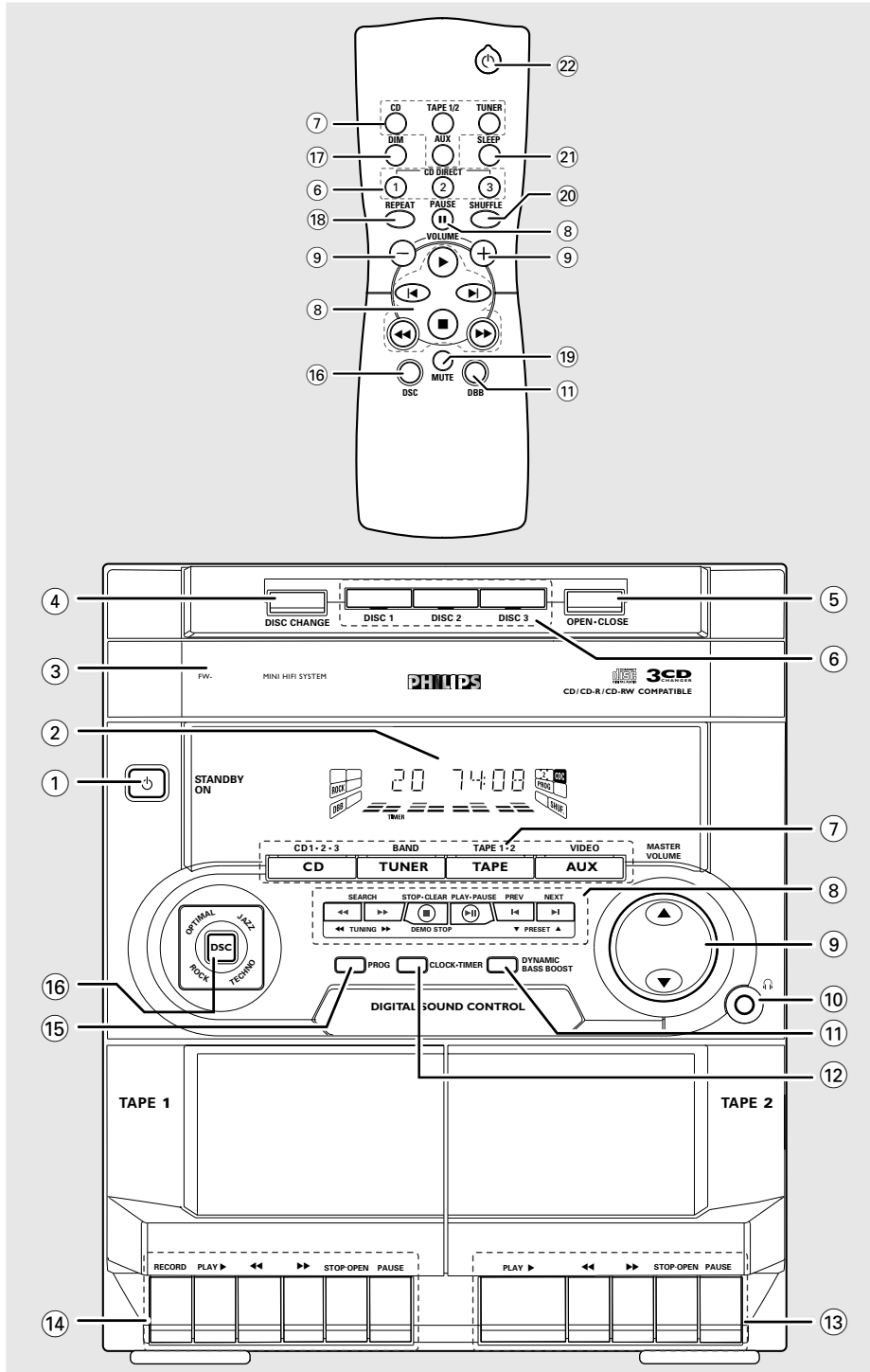
Typeskilt finnes på apparatens underside.

Observer: Nettbryteren er sekundert innkoplet. Den innebygde nettdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.

For å redusere faren for brann eller elektrisk støt, skal apparatet ikke utsettes for regn eller fuktighet.

CAUTION

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



3



DK

Advarsel: Usynlig laserstråling ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

Bemærk: Netafbryderen er sekundært indkoblet og afbryder ikke strømmen fra nettet. Den indbyggede netdel er derfor tilsluttet til lysnettet så længe netstikket sidder i stikkontakten.

S

Klass 1 laseraparat
Varning! Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

Observera! Stömbrytaren är sekundärt kopplad och bryter inte strömmen från nätet. Den inbyggda nätdelen är därför ansluten till elnätet så länge stickproppen sitter i vägguttaget.

SF

Luokan 1 laserlaite

Varoitus! Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

Oikeus muutoksiin varataan. Laite ei saa olla alttiina tippu- ja roiskevedelle.

Huom. Toiminnanvalitsin on kytketty toisiopuolelle, eikä se kytke laitetta irti sähköverkosta. Sisäänrakennettu verkko-osa on kytkettyä sähköverkkoon aina silloin, kun pistoke on pistorasiassa.

DEMO MODE

To turn ON

Press & HOLD



button

for 5 seconds

To turn OFF

Press & HOLD



button

for 5 seconds

PLUG & PLAY

1



Plug in the unit

2



Follow instructions in the display

3



Press "PLAY"



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English

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General Information

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

Supplied accessories

- 2 speaker boxes
- remote control
- AM loop antenna
- FM wire antenna

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 specialised company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

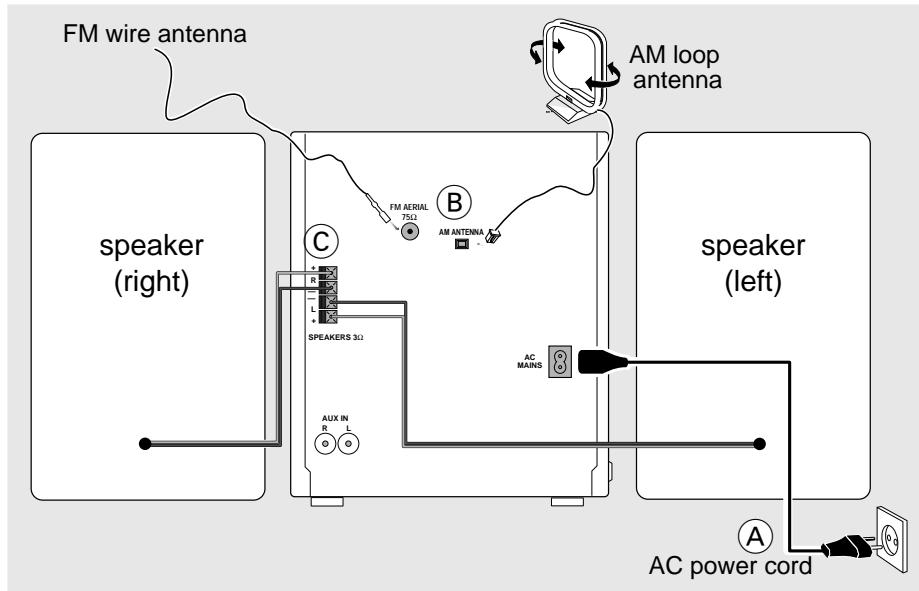
Safety information

- Before operating the system, check that the operating voltage indicated on the typeplate (or the voltage indication beside the voltage selector) of your system is identical with the voltage of your local power supply. If not, please consult your dealer.
- Place the system on a flat, hard and stable surface.
- 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, batteries or discs to excessive moisture, rain, sand or heat sources caused by heating equipment or direct sunlight.
- The lens may cloud over when the system is suddenly moved from cold to warm surroundings, making it impossible to play a disc. Leave the system in the warm environment until the moisture evaporates.
- The mechanical parts of the set contain self-lubricating bearings and must not be oiled or lubricated.
- **When the system is switched to Standby mode, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.**



Preparations

English



Rear connections

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

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

B Antennas Connection

Connect the supplied AM loop antenna and FM antenna to the respective terminals. Adjust the position of the antenna for optimal reception.

A Power

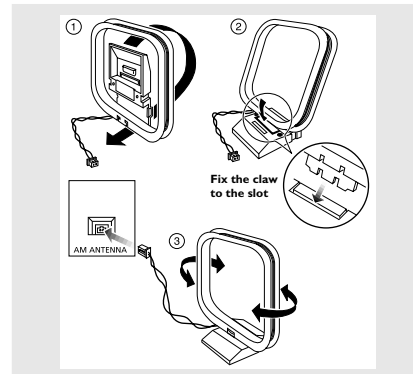
Before connecting the AC power cord to the wall outlet, ensure that all other connections have been made.

WARNING!

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

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

AM Antenna

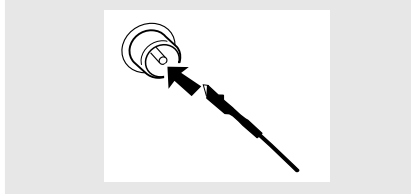


- Position the antenna as far as possible from a TV, VCR or other radiation source.



Preparations

FM Antenna

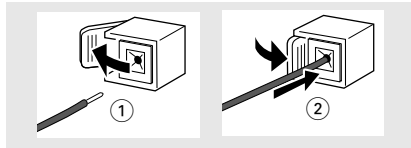


- For better FM stereo reception, connect an outdoor FM antenna to the FM AERIAL (FM ANTENNA) terminal.

Speakers Connection

Front Speakers

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



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

Notes:

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

Optional connection

The optional equipment and connecting cords are not supplied. Refer to the operating instructions of the connected equipment for details.

Connecting other equipment to your system

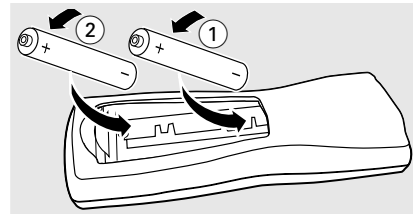
Use a cinch cable to connect **AUX IN** to the analogue audio out terminals of an external equipment (TV, VCR, Laser Disc player, DVD player or CD Recorder).

Note:

- If you are connecting equipment with a mono output (a single audio out terminal), connect it to the AUX IN left terminal. Alternatively, you can use a "single to double" cinch cable (the output sound still remain mono).

Inserting batteries into the remote control

Insert two batteries type R06 or AA (not supplied) into the remote control with the correct polarity as indicated by the "+" and "-" symbols inside the battery compartment.



CAUTION!


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





Controls (illustrations on page 3)

Controls on the system and remote control

- ① **STANDBY ON** 
 - to switch the system on or to standby mode.
- ② **Display screen**
 - to view the current status of the system.
- ③ **Disc tray**
- ④ **DISC CHANGE**
 - to change disc(s).
- ⑤ **OPEN•CLOSE**
 - to open or close the disc tray.
- ⑥ **DISC 1/2/3 (CD DIRECT 1/2/3)**
 - to select a disc tray for playback.
- ⑦ **Source selection** – to select the following :
 - CD (CD 1•2•3)**
 - to select disc tray 1, 2 or 3.
 - TUNER (BAND)**
 - to select waveband : FM, MW or LW.
 - TAPE (TAPE 1•2)**
 - to select tape mode.
 - AUX (VIDEO)**
 - to select the input for an additional appliance.
- ⑧ **Mode Selection**
 - ◀▶ SEARCH (TUNING ◀▶)**
 - for CD to search backward/forward.
 - for Tuner to tune to a lower or higher radio frequency.
 - for Clock (on the system only) to set the hour.
 - STOP•CLEAR (DEMO STOP)**
 - for CD to stop playback or to clear a programme.
 - for Tuner (on the system only) to stop programming.
 - for Demo (on the system only) to activate/deactivate the demonstration.
 - for Clock (on the system only) to exit clock setting or cancel timer.
 - for Plug & Play... (on the system only) to exit plug & play mode.

▶ II PLAY•PAUSE

for CD to start or interrupt playback.
for Plug & Play... (on the system only) to initiate and start plug & play mode.

◀ PREV / ▶ NEXT (▼ PRESET ▲)

for CD to skip to the beginning of the current, previous, or next track.
for Tuner to select a preset radio station.
for Clock (on the system only) to set the minute.

⑨ MASTER VOLUME ▲▼ (VOLUME + / -)

– to increase or decrease the volume.

⑩

– to connect headphones.

⑪ DYNAMIC BASS BOOST (DBB)

– to activate/deactivate bass boost.

⑫ CLOCK•TIMER

– to view the clock, set the clock or set the timer.

⑬ Tape deck 2 operation

PLAY ▶ to start playback.

◀▶ to rewind or fast forward.

STOP•OPEN ... to stop playback or to open the tape door.

PAUSE to interrupt playback.

⑭ Tape deck 1 operation

RECORD to start recording.

PLAY ▶ to start playback.

◀▶ to rewind or fast forward.

STOP•OPEN ... to stop playback/recording or to open the tape door.

PAUSE to interrupt playback or recording.

⑮ PROG

for CD to programme disc tracks.

for Tuner to programme preset radio stations.

for Clock to select 12- or 24-hour clock mode.

⑯ DSC (DIGITAL SOUND CONTROL)

– to select the desired sound effect :
OPTIMAL, JAZZ, ROCK or TECHNO.



Controls

English

- ⑰ **DIM**
 - to select different brightness for the display screen : DIM 1, DIM 2, DIM 3 or DIM OFF.
- ⑱ **REPEAT**
 - to playback track(s)/disc(s)/programme repeatedly.
- ⑲ **MUTE**
 - to interrupt or resume sound reproduction.
- ⑳ **SHUFFLE**
 - to playback all available discs and their tracks/programme in random order.
- ㉑ **SLEEP**
 - to activate/deactivate or set the sleep timer.
- ㉒ 
 - to switch the system to standby mode.

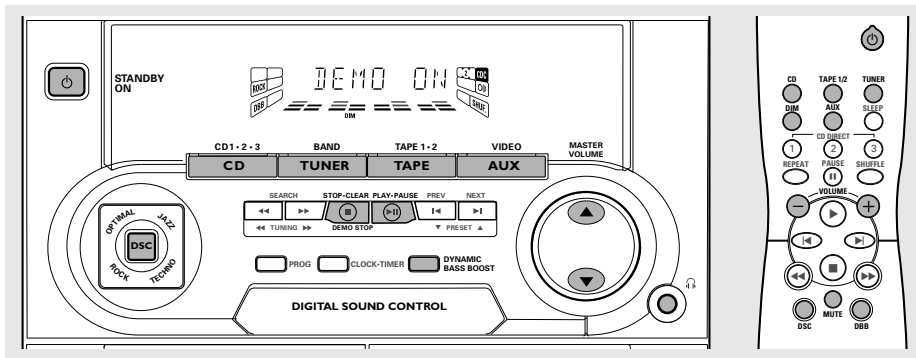
Notes for remote control:

- **First select the source you wish to control by pressing one of the source select keys on the remote control (for example CD, TUNER).**
- **Then select the desired function (for example ►, ◀, ▶).**



Basic Functions

English



IMPORTANT!
Before operating the system, complete the preparation procedures.

Plug and Play

Plug and Play allows you to store all available radio stations automatically.

First time setup/power up

- 1 When you turn on the main supply, "AUTO INSTALL - PRESS PLAY" is displayed.
- 2 Press ►|| on the system to start installation.
→ "INSTALL" is displayed, followed by "TUNER" and "AUTO".
→ PROG starts flashing.
→ All available radio stations with sufficient signal strength will be stored automatically, starting from FM and followed by MW and LW band.
→ When all the available radio stations are stored or the memory for 40 presets are used, the last preset radio station will be played.

To reinstall Plug and Play

- 1 In standby or demonstration mode, press and hold ►|| on the system until "AUTO INSTALL - PRESS PLAY" is displayed.
- 2 Press ►|| again to start installation.
→ All previously stored radio stations will be replaced.

To exit without storing the Plug and Play

- Press ■ on the system.
→ If you do not complete the Plug and Play installation, the function will be restarted when you next turn on the main supply again.

Notes:

- When the power is turned on, the disc tray may open and close to initialise the system.
- If no stereo frequency is detected during Plug and Play, "CHECK ANTENNA" will be displayed.
- During Plug and Play, if no button is pressed within 15 seconds, the system will exit Plug and Play mode.

Demonstration mode

The system has a demonstration mode that shows the various features offered by the system.

To activate the demonstration

- In standby mode, press and hold ■ on the system until "DEMO ON" is displayed.
→ The demonstration will begin.

To deactivate the demonstration

- Press and hold ■ on the system until "DEMO OFF" is displayed.
→ The system will switch to standby mode.

Note:

- If you have not deactivated the demonstration, it will resume five seconds after the system switches to standby mode.



Basic Functions

Switching the system on

In standby/demonstration mode


- Press **STANDBY ON** to switch on the last selected source.
- Press **CD, TUNER, TAPE (TAPE 1/2)** or **AUX**.
- Press **OPEN•CLOSE**.
→ The system will switch to CD mode.

Switching the system to standby mode

In demonstration mode

- Press and hold **■** on the system.

In any other source mode

- Press **STANDBY ON** (or  on the remote control).
→ The clock will appear on the display when the system is in standby mode.

Dim mode

You can select the desired brightness for the display.


- In any source mode (except standby mode), press **DIM** repeatedly to select DIM 1, DIM 2, DIM 3 or DIM OFF display mode.
→ **DIM** is shown, except for DIM OFF mode.

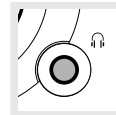
| DIM mode | Brightness | Spectrum Analyser |
|----------|------------|-------------------|
| 1 | normal | off |
| 2 | half | on |
| 3 | half | off |
| OFF | normal | on |

Volume control

Press **MASTERVOLUME ▲** or **▼** (**VOLUME +** or **-** on the remote control) to increase or decrease the volume level.

To listen through the headphones

- Connect the headphones plug to the  socket at the front of the system.
→ The speakers will be muted.



To switch off the volume temporarily

- Press **MUTE** on the remote control.
→ Playback will continue without sound and "MUTE" is displayed.
- To restore the volume, press **MUTE** again or increase the volume level.

Sound control

DSC (Digital Sound Control)

The DSC feature enables you to enjoy special sound effects that have preset equaliser settings, providing the best music reproduction.

- Press **DSC** to select : OPTIMAL, JAZZ, ROCK or TECHNO.
→ The selected DSC is shown.
→ If OPTIMAL is selected, the DBB mode will be switched on automatically.

DBB (Dynamic Bass Boost)

The DBB mode enhance the bass response.

- Press **DBB**.
→ If activated, **DBB** is shown and "**DBB ON**" is displayed.
→ If deactivated, "**DBB OFF**" is displayed.

Note:

– Some discs or tapes might be recorded in high modulation, which causes a distortion at high volume. If this occurs, switch off DBB or reduce the volume.

Automatic DSC-DBB selection

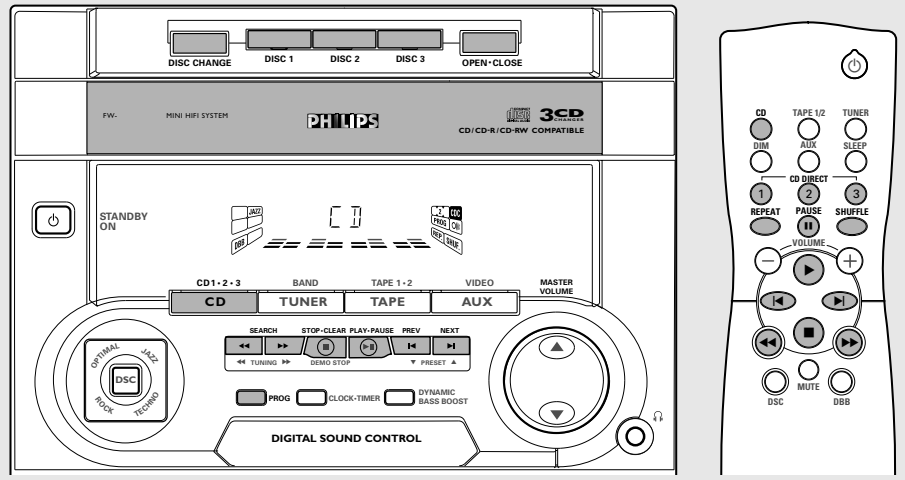
The best DBB setting is generated automatically for each DSC selection. You can manually select the DBB setting that best suits your listening environment.





CD Operation

English



IMPORTANT!

- This system is designed for regular discs. Therefore, do not use any accessories such as disc stabiliser rings or disc treatment sheets, etc., as offered on the market, because they may jam the changer mechanism.
- Do not load more than one disc into each tray.

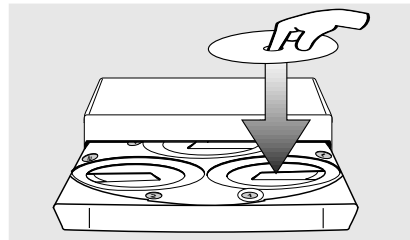
Discs for playback

This system can playback all digital audio CD, finalised digital audio CD-Recordable (CDR) discs and finalised digital audio CD-Rewritable (CDRW) discs.



Loading discs

- 1 Press **OPEN•CLOSE** to open the disc tray.
- 2 Load up to two discs on the individual disc trays. To load the third disc, press **DISC CHANGE**.
→ The disc tray will rotate until the empty tray is ready for loading.



- 3 Press **OPEN•CLOSE** to close the disc tray.
→ "READING" is displayed. The selected disc tray, total number of tracks and the playing time will appear on the display.

Notes:

- Load the discs with the label side facing up.
- To ensure good system performance, wait until the disc tray completely reads the disc(s) before proceeding.



CD Operation

Playing discs

To play all discs on the disc tray

- Press **▶|| (▶)**.
→ All the available discs will play once, then stop.
→ During playback, the selected disc tray number flashes. The track number and elapsed playing time of the current track are displayed.

To play one disc only

- In CD mode, press **DISC 1/2/3** (or **CD DIRECT 1/2/3** on the remote control).
→ The selected disc will play once, then stop.

To interrupt playback

- Press **▶|| (||)**.
→ The current track time flashes.
- To resume playback, press **▶|| (▶)** again.

To stop playback

- Press **■**.

Selecting a desired track/passage

To search for a particular passage during playback

- Press and hold **◀◀** or **▶▶** and release it when the desired passage is located.
→ During searching, the volume will be reduced.

To select a desired track

- Press **◀** or **▶** repeatedly until the desired track is displayed.
- If playback is stopped, press **▶|| (▶)** to start playback.

Note:

- In Shuffle mode, pressing **◀** will cause the player to skip only to the beginning of the current track.

To skip to the beginning of the current track during playback

- Press **◀** once.

Replacing discs during playback

- 1 Press **DISC CHANGE**.
→ The disc tray will open without interrupting current playback.
- 2 To change the inner disc, press **DISC CHANGE** again.
→ "DISC CHANGE" is displayed and the disc will stop playing.
→ The disc tray will close to retrieve the inner disc, then reopen with the inner disc accessible.

Repeat and Shuffle

You can select and change the various play modes before or during playback.

Repeat play

- 1 Press **REPEAT** on the remote control repeatedly to select:
→ "TRACK" – to repeat playback of the current track.
→ "DISC" – to repeat playback of the current disc.
→ "ALL DISC" or "PROGRAM" – to repeat playback of all available discs or programmed tracks.
- 2 To resume normal playback, press **REPEAT** until "OFF" is displayed.
→ **REP** is shown, except for REPEAT OFF mode.

Random play

- 1 Press **SHUFFLE** on the remote control.
→ **SHUF** is shown and "SHUFFLE" is displayed.
→ All the available discs or programmed tracks (if programme is active) will be played in random order.
- 2 To resume normal playback, press **SHUFFLE** again.
→ **SHUF** disappears.

Notes:

- During programme play or shuffling mode, it is not possible to repeat playback the current disc (Repeat Disc mode).
- Pressing the **OPEN•CLOSE** button will cancel all repeat and shuffling modes.

CD Operation

Programming the disc tracks

Programming tracks is possible when playback is stopped. Up to 40 tracks can be stored in the memory in any order.

- 1 Load the desired discs on the disc tray (refer to "Loading discs").
- 2 Press **PROG** to start programming.
→ **PROG** starts flashing.
- 3 Press **CD** to select a disc.
- 4 Press **◀** or **▶** repeatedly to select the desired track.
- 5 Press **PROG** to store the track.
 - Repeat **steps 3–5** to store other discs and tracks.
- 6 To end programming, press **■** **once** .
→ **PROG** stays and the programme mode remains active.
→ The total number of tracks programmed and the total playing time are displayed.
- 7 To start programme play, press **▶||** (**▶**).
→ "PLAY PROGRAM" is displayed.

Notes:

- If the total playing time is more than "99:59" or if one of the programmed tracks has a number greater than 30, then "- : -" is displayed instead of the total playing time.
- If you attempt to programme more than 40 tracks, "FULL" is displayed.
- If you press any of the CD DIRECT 1/2/3 buttons on the remote control, the system will play the selected disc or track, and the stored programme will be ignored temporarily. The **PROG** symbol also will disappear temporarily from the display. It will reappear when playback of the selected disc ends.
- During programming, if no button is pressed within 20 seconds, the system will exit the programme mode automatically.

To review the programme

- Stop playback and press **◀** or **▶** repeatedly.
- To exit review mode, press **■** .

Erasing the programme

- Press **■** **once** when playback is stopped or **twice** during playback.
→ **PROG** disappears and "PROGRAM CLEARED" is displayed.

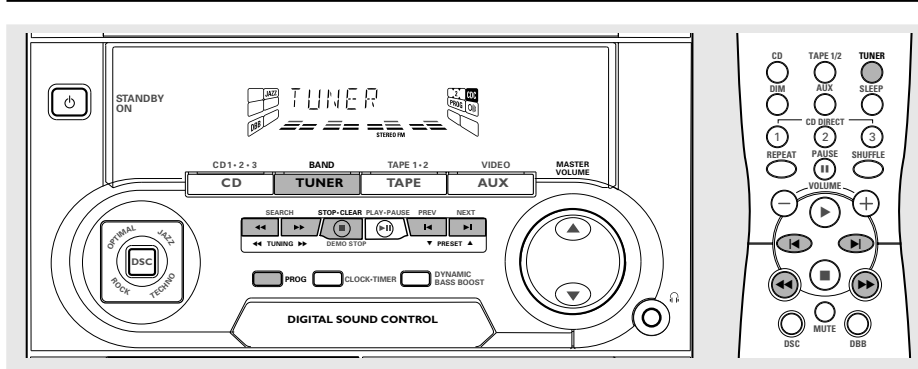
Note:

- The programme will be erased when the system is disconnected from the power supply or when the disc tray is opened.

For Recording, please refer to "Tape Operation/Recording".



Radio Reception



English

Tuning to radio stations

- 1 Press **TUNER** to select TUNER mode.
→ "TUNER" is displayed. A few seconds later, the current radio frequency will appear on the display.
→ If an FM station is received in stereo, **STEREO** is displayed.
 - 2 Press **TUNER** again to select the desired waveband : FM, MW or LW.
 - 3 Press and hold **◀◀** or **▶▶** until the frequency indication starts to change, then release.
→ The display will show "SEARCH" until a radio station with sufficient signal strength is found.
 - 4 Repeat step 3 if necessary until you find the desired radio station.
- To tune to a weak station, press **◀◀** or **▶▶** briefly and repeatedly until optimal reception found.

Storing preset radio stations

You can store up to 40 preset radio stations in the memory.

Automatic Preset Programming

- Plug and Play setting (refer to "Basic Functions - Plug and Play").
OR

- 1 Press **TUNER** to select TUNER mode.

To begin automatic preset from a desired preset number

- Press **◀** or **▶** to select the desired preset number.
→ If a radio station has been stored in one of the presets, it will not be stored again under another preset number.
- 2 Press and hold **PROG** until "AUTO" is displayed.
→ **PROG** starts flashing.
→ All available radio stations with sufficient signal strength will be stored automatically, starting from FM and followed by MW and LW band.
→ When all the available radio stations are stored or the memory for 40 presets are used, the last preset radio station will be played.

To stop storing the automatic preset

- Press **PROG** or **■** on the system.

Note:

– If no preset number is selected, automatic preset will begin from preset (1) and all your former presets will be overridden.





Radio Reception

Manual Preset Programming

- 1 Tune to your desired radio station (refer to "Tuning to radio stations").
- 2 Press **PROG**.
 - **PROG** starts flashing.
 - The next available preset number is displayed for selection.

To store the radio station to another preset number

- Press **◀** or **▶** to select the desired preset number.
- 3 Press **PROG** again to store the radio station.
 - **PROG** disappears.
- Repeat **steps 1–3** to store other radio stations.

To exit manual preset mode

- Press **■** on the system.

Notes:

- If you attempt to store more than 40 preset radio stations, "FULL" is displayed.
- During programming, if no key is pressed within 20 seconds, the system will exit the programme mode automatically.

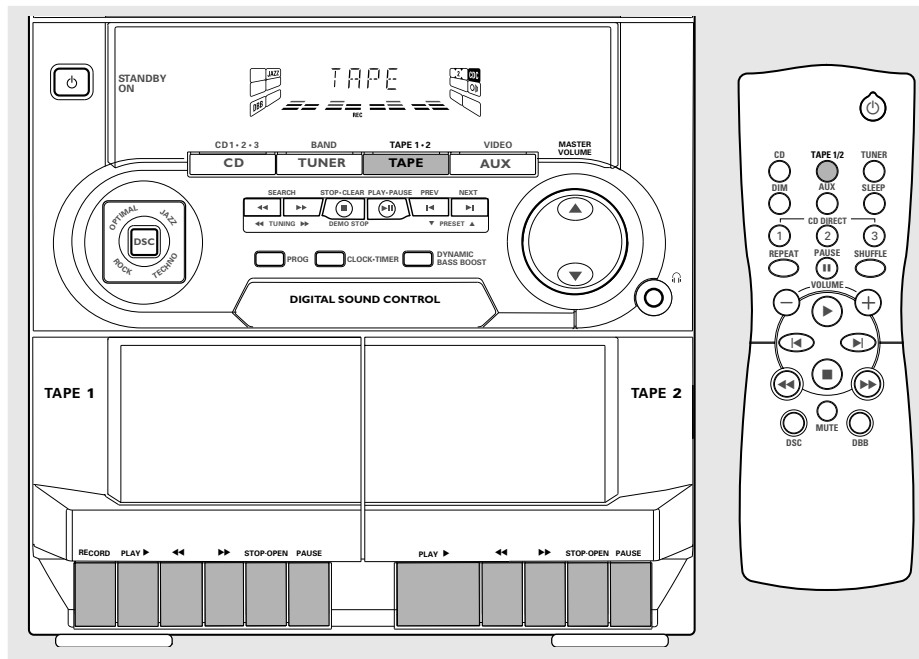
Tuning to preset radio stations

- Once you've programmed the radio stations, press **◀** or **▶** to select the desired preset number.
 - The preset number, radio frequency, and waveband are displayed.

For Recording, please refer to "Tape Operation/Recording".



Tape Operation / Recording



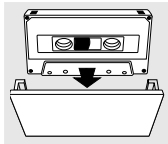
English

IMPORTANT!

- Before playing a tape, check and tighten slack tape with a pencil. Slack tape may get jammed or may burst in the mechanism.
- C-120 tape is extremely thin and is easily deformed or damaged. It is not recommended for use in this system.
- Store the tapes at room temperature and do not put them too close to a magnetic field (for example, a transformer, TV or speaker).

Loading tape

- 1 Press **TAPE** to select TAPE mode.
→ "TAPE" is displayed.
- 2 Press **STOP-OPEN** to open the tape deck door.
- 3 Load the tape with the open side downward and full spool to the left.
- 4 Close the tape deck door.



Playing tapes

To playback a selected tape deck

- Press **PLAY** ► on tape deck 1 or 2.
→ The tape will stop at the end of playback.

Continuous playback of two tapes

- 1 Load the tapes in tape deck 1 and 2.
- 2 Press **PLAY** ► on tape deck 2.
- 3 Press **PAUSE** on tape deck 1, followed by **PLAY** ►
→ Playback will begin from tape deck 2 and continue with tape deck 1. It will stop at the end of tape deck 1.

To interrupt playback

- Press **PAUSE**.
- To resume playback, press **PAUSE** again.

To stop playback

- Press **STOP-OPEN**.



Tape Operation / Recording

Rewinding / Fast forwarding

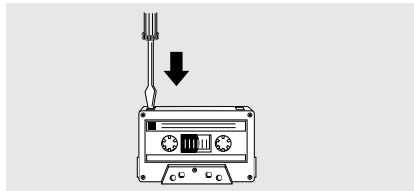
- 1 Stop playback, press ◀◀ or ▶▶.
→ The tape will stop automatically at the end of rewinding or fast forwarding.
- 2 Press **STOP•OPEN** to stop rewinding or fast forwarding.

Note:

– During rewinding or fast forwarding of a tape, it is also possible to select another source (CD or TUNER, for example).

General information on recording

- For recording, use only tape of IEC type I (normal tape).
- The recording level is set automatically, regardless of the position of the Volume, DBB, DSC and so forth.
- The tape is secured at both ends with leader tape. At the beginning and end of the tape, nothing will be recorded for six to seven seconds.
- To prevent accidental recording, break out the tab on the left shoulder of the tape side you want to protect.



IMPORTANT!

- Recording is permissible if copyright or other rights of third parties are not infringed upon.
- Recording is possible only on tape deck 1.

Preparation for recording

- 1 Load a recordable tape into tape deck 1 with full spool to the left.
- 2 Prepare the source to be recorded.
 - CD** – load the disc(s).
 - TUNER** – tune to the desired radio station.
 - TAPE** – load the prerecorded tape into tape deck 2 with the full spool to the left.
 - AUX** – connect external equipment.

When recording is in progress

→ **REC** starts flashing.

- It is not possible to listen to another source.
- It is not possible to activate the timer function during recording or tape dubbing.

One touch recording

- 1 Press **CD, TUNER** or **AUX** to select the source.
- 2 Start playback of the selected source.
- 3 Press **RECORD** on tape deck 1 to start recording.

To stop recording

- Press **STOP•OPEN** on tape deck 1.

CD Synchronised start recording

- 1 Press **CD** to select the disc.
- You can programme the tracks in the order you want them to be recorded (refer to “CD Operation - Programming the disc tracks”).
- 2 Press **RECORD** on tape deck 1 to start recording.
 - The disc will start playback automatically.

To stop recording

- Press **STOP•OPEN** on tape deck 1, then press ■ to stop disc playback.

Note:

– During CD synchronised start recording, do not fast forward/rewind the tape in tape deck 2.



Tape Operation / Recording

Dubbing tapes

- 1 Load the prerecorded tape in tape deck 2.
 - Make sure both tapes have their full spool to the left.
- 2 Press **PAUSE** on tape deck 1 and followed by **RECORD**.
- 3 Press **PLAY** ► on tape deck 2.
 - Recording will start automatically.
- Dubbing of tapes is possible on one side of the tape only. To continue recording on the reverse side, at the end of side A, flip the tape to side B and repeat the procedure.

To stop dubbing

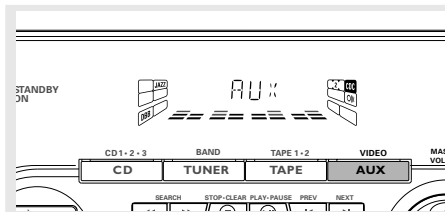
- Press **STOP-OPEN** on tape deck 1 and 2.

Notes:

- Dubbing of tapes is possible only from tape deck 2 to tape deck 1.
- To ensure good dubbing, use tapes of the same length.



External Sources



Note:

- All the sound control features (DSC or DBB, for example) are available for selection.

For Recording, please refer to “Tape Operation/Recording”.

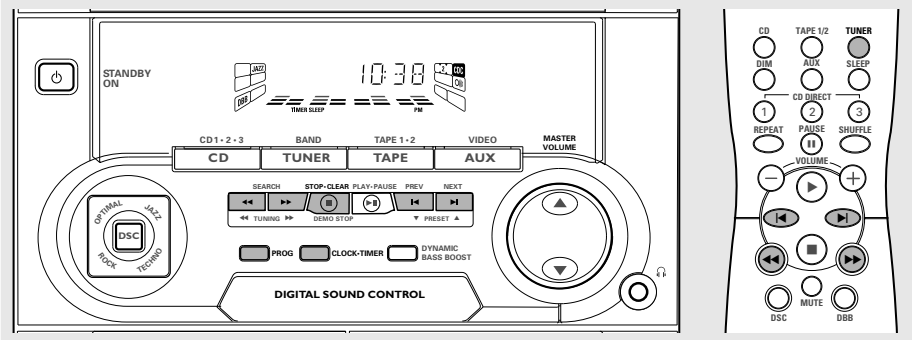
Listening to external sources

- 1 Connect the audio out terminals of the external equipment (TV, VCR, Laser Disc player, DVD player or CD Recorder) to the **AUX IN** terminals of your system.
- 2 Press **AUX** to select external equipment.
 - "AUX" is displayed.



Clock/Timer

English



View clock

The clock (if it is set) will be shown in standby mode.

To view the clock in any source mode (CD or TUNER for example)

- Press **CLOCK•TIMER**.
 - The clock is displayed for a few seconds.
 - If the clock has not been set, "--:--:--" is displayed.

Clock setting

The clock can be set in either 12-hour or 24-hour mode ("12:00 AM" or "00:00", for example)

- 1 In standby or view clock mode, press **CLOCK•TIMER** once. In other source mode, press **CLOCK•TIMER** twice.
- 2 Press **PROG** repeatedly to select clock mode.
 - "12:00 AM" or "00:00" starts flashing.
- 3 Press **◀** or **▶** on the system repeatedly to set the hour.
- 4 Press **◀** or **▶** on the system repeatedly to set the minute.
- 5 Press **CLOCK•TIMER** again to store the setting.
 - The clock starts working.

To exit without storing the setting

- Press **■** on the system.

Notes:

- The clock setting will be cancelled when the power cord is disconnected or if a power failure occurs.
- During clock setting, if no button is pressed within 90 seconds, the system will exit clock setting mode automatically.

Timer setting

The system can switch on to CD or TUNER mode automatically at a preset time, serving as an alarm to wake you up.

IMPORTANT!

- Before setting the timer, ensure that the clock is set correctly.
- The timer will always be switched on after it has been set.
- The timer will not start if a recording is in progress.
- The volume of the timer will increase gradually from the minimum level to the last tuned volume level.

- 1 Press and hold **CLOCK•TIMER** for more than two seconds to select timer mode.
 - "T _ _ : _ : _" or "C _ _ : _ : _" starts flashing. " _ : _ : _" indicates the timer or the last timer setting.
 - **TIMER** starts flashing.
- 2 Press **CD** or **TUNER** to select the desired source.



Clock/Timer

- Before setting timer, make sure the music source has been prepared.
CD – Load the disc(s). To start from a specific track, make a programme (refer to "CD Operation - Programming the disc tracks").
TUNER – tune to the desired radio station.
- 3** Press ◀ or ▶ on the system repeatedly to set the hour for the timer to start.
- 4** Press ◀ or ▶ on the system repeatedly to set the minute for the timer to start.
- 5** Press **CLOCK•TIMER** to store the timer:
→ **TIMER** remains on the display.
- At the preset time, the selected sound source will play.

To exit without storing the setting

- Press ■ on the system.

Notes:

- When the preset time is reached and the selected disc tray is empty, the next available disc will be selected. If all the disc trays are not available, Tuner will be selected automatically.
- During timer setting, if no button is pressed within 90 seconds, the system will exit timer setting mode automatically.

Deactivating the timer

- 1** Press and hold **CLOCK•TIMER** for more than **two seconds**.
- 2** Press ■ on the system to cancel the timer:
→ "OFF" is displayed and the **TIMER** disappears.

Activating the timer (for the same preset time and source)

- 1** Press and hold **CLOCK•TIMER** for more than **two seconds**.
- 2** Press **CLOCK•TIMER** again to store.
→ **TIMER** is shown.

Sleep timer setting

The sleep timer enables the system to switch to standby mode automatically at a preset time.

- 1** Press **SLEEP** on the remote control repeatedly to select a preset time.
→ The selections are as follows (time in minutes):
15 → 30 → 45 → 60 → OFF → 15 ...
→ "SLEEP xx" or "OFF" is displayed. "xx" is the time in minutes.
- 2** When you reach the desired length of time, stop pressing the **SLEEP** button.
→ **SLEEP** is shown, except for "OFF" mode.
→ The sleep timer is now set. Before the system switches to standby mode, a countdown of 10 seconds is displayed.
"SLEEP 10" → "SLEEP 9" ... → "SLEEP 1"
→ "SLEEP"

To check the remaining length of time after sleep timer is activated

- Press **SLEEP** once.

To change the preset sleep timer

- Press **SLEEP** again while the remaining sleep timer is shown.
→ The display will show the next sleep timer options.

To deactivate the sleep timer

- Press **SLEEP** repeatedly until "OFF" is displayed, or press the **STANDBY ON** button.



English

Specifications

AMPLIFIER

Output power 2 x 10 W MPO
 2 x 5 W RMS⁽¹⁾
 Signal-to-noise ratio ≥ 67 dBA (IEC)
 Frequency response 50 – 15000 Hz
 Input sensitivity
 AUX In 700 mV
 Output
 Speakers ≥ 3 Ω
 Headphones 32 Ω – 1000 Ω
 (1) (3 Ω, 1 kHz, 10% THD)

CD PLAYER

Number of programmable tracks 40
 Frequency range 20 – 20000 Hz
 Signal-to-noise ratio ≥ 80 dBA
 Channel separation ≥ 60 dB (1 kHz)
 Total harmonic distortion < 0.003%

TUNER

FM wave range 87.5 – 108 MHz
 MW wave range 531 – 1602 kHz
 LW wave range 153 – 279 kHz
 Number of presets 40
 Antenna
 FM 75 Ω wire
 AM Loop antenna

TAPE DECK

Frequency response
 Normal tape (type I) 80 – 12500 Hz (8 dB)
 Signal-to-noise ratio
 Normal tape (type I) ≥ 48 dBA
 Wow and flutter ≤ 0.4% DIN

SPEAKERS

System double port bass reflex
 Impedance 3 Ω
 Woofer 1 x 4" full range
 Dimensions (w x h x d) . 185 x 310 x 235 (mm)
 Weight\ 2.3 kg each

GENERAL INFORMATION

Material Polystyrene
 AC Power 220 – 230 V / 50 Hz
 Power Consumption
 Active 30 W
 Standby < 15 W
 Dimensions (w x h x d) . 265 x 310 x 330 (mm)
 Weight (without speakers) 5.2 kg

Subject to modification



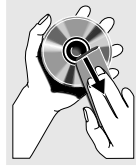
Maintenance

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

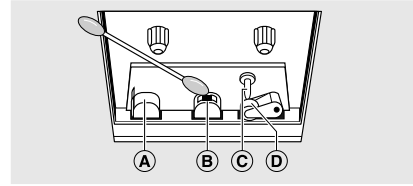


Cleaning the disc lens

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

Cleaning the Heads and the Tape Paths

- To ensure good recording and playback quality, clean the heads (A) and (B), the capstan(s) (C), and pressure roller(s) (D) 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.



Demagnetising the heads

- Use a demagnetising tape available at your dealer.

Troubleshooting

WARNING

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

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

| Problem | Solution |
|------------------------------------|--|
| CD OPERATION | |
| "NO DISC" is displayed. | <ul style="list-style-type: none"> - Insert a disc. - Check if the disc is inserted upside down. - Wait until the moisture condensation at the lens has cleared. - Replace or clean the disc, see "Maintenance". |
| "DISC NOT FINALIZED" is displayed. | <ul style="list-style-type: none"> - Use a finalised CD-RW or CD-R. |





English

Troubleshooting

RADIO RECEPTION

Radio reception is poor.

- If the signal is too weak, adjust the antenna or connect an external antenna for better reception.
- Increase the distance between the Mini HiFi System and your TV or VCR.

TAPE OPERATION/RECORDING

Recording or playback cannot be made.

- Clean deck parts, see "Maintenance".
- Use only NORMAL (IEC I) tape.
- Apply a piece of adhesive tape over the missing tab space.

GENERAL

The system does not react when buttons are pressed.

- Remove and reconnect the AC power plug and switch on the system again.

Sound cannot be heard or is of poor quality.

- Adjust the volume.
- Disconnect the headphones.
- Check that the speakers are connected correctly.
- Check if the stripped speaker wire is clamped.

The left and right sound outputs are reversed.

- Check the speaker connections and location.

The remote control does not function properly.

- Select the source (CD or TUNER, for example) before pressing the function button (▶, ◀, ▶).
- Reduce the distance between the remote control and the system.
- Insert the batteries with their polarities (+/- signs) aligned as indicated.
- Replace the batteries.
- Point the remote control directly towards the IR sensor.

The timer is not working.

- Set the clock correctly.
- Press and hold CLOCK•TIMER to switch on the timer.
- If recording or tapes dubbing is in progress, stop recording.

The Clock/Timer setting is erased.

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

The system displays features automatically.

- Press and hold ■ on the system to switch off the demonstration.