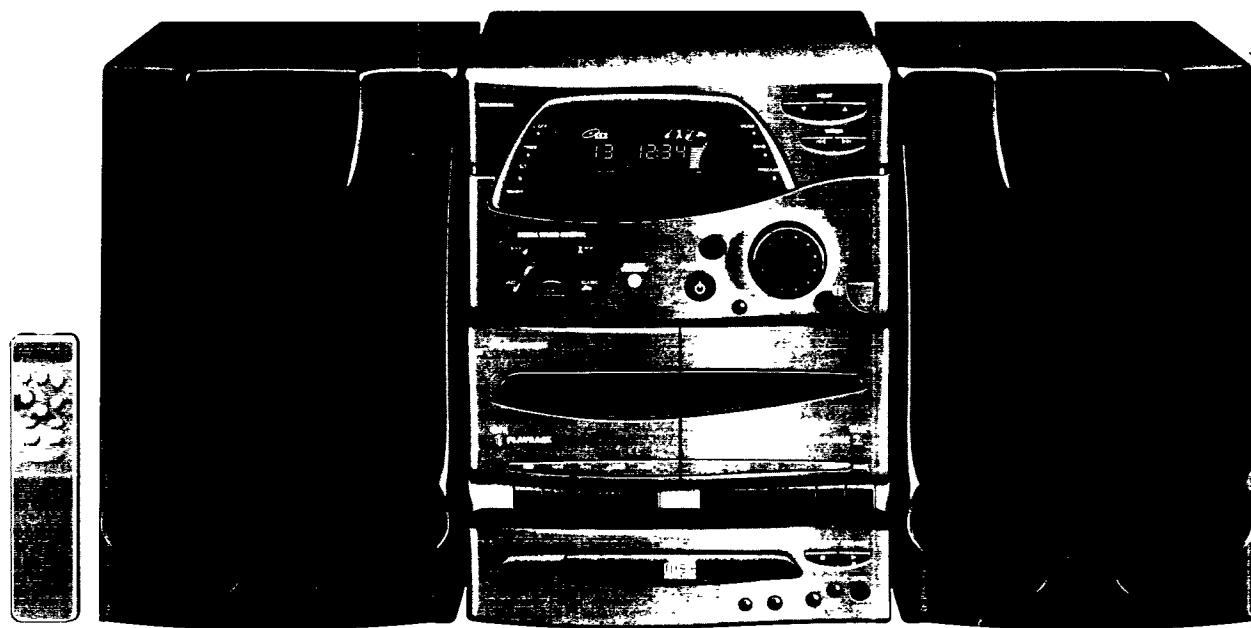


# PHILIPS

FW330 Mini Hifi System



Instructions for use  
Mode d'emploi  
Instrucciones de manejo  
使用説明書



# PHILIPS

# General Information

## España

**Declaración de conformidad con normas**


El que suscribe, en nombre y representación de:  
**Audio Electronics Sdn. Berhad – Penang**  
declara, bajo su propia responsabilidad, que el

equipo : **Minisistema con reproductor de CD**  
fabricado por : **Audio Electronics Sdn. Berhad**  
en : **Far East**  
marca : **Philips**  
modelos : **FW 330**

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

Hecho en : Penang

Firma:



Nombre : Khoo Bee Im  
Cargo : Safety Coordinator

## Mexico

Es necesario que lea cuidadosamente su instructivo de manejo.  
Garantía y seguridad ..... página 4

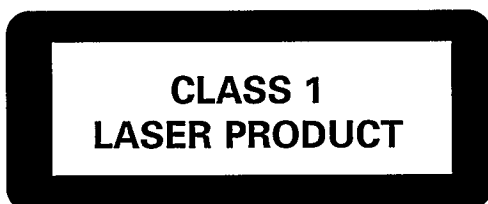


## Australia

Guarantee ..... page 4

## New Zealand

Guarantee ..... page 4



## ENGLISH

- This product complies with the radio interference requirements of the European Community.
  - The typeplate is located on the rear of the set.
  - **To disconnect the set from the mains completely, withdraw the mains plug from the wall socket.**
  - Recording is permissible insofar as copyright or other rights of third parties are not infringed.
- 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.

## FRANÇAIS

- Cet appareil est conforme aux prescriptions de la Communauté Européenne relatives à la limitation des perturbations radioélectriques.
  - La plaque signalétique se trouve à l'arrière de l'appareil.
  - **Pour séparer complètement l'appareil du secteur, il faut retirer la fiche de la prise murale.**
  - **Propriété littéraire et artistique**  
Sur le territoire français, les articles 40 et 41 de la loi du 11/03/1957 sont applicables.
  - L'enregistrement n'est autorisé que dans la mesure où les droits d'auteurs ne sont pas enfreints.
- 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)
 Veuillez 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. Veuillez 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.

# General Information

## ESPAÑOL

- Este aparato cumple los requisitos de la Comunidad Europea sobre interferencias de radio.
  - La placa tipo está situada en la parte inferior del aparato.
  - **Para desconectar el aparato completamente de la red, saque la clavija del enchufe mural.**
  - La grabación sólo está permitida siempre y cuando no se lesionen los derechos de autor u otros derechos de terceros.
- 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.

## 中文

- 本產品符合歐洲共市所製訂的無線電干擾要求。
  - 機種牌片置於本機背部。
  - 要完全隔絕總電源對裝置的供電，請將牆壁插座上的電源插頭除下。
  - 只有在不侵犯第三者版權或其它權益的情況下才可進行錄音工作。
- 1 本產品盡量減少使用不必要的包裝材料。包裝材料可被輕易分成三個由單一材料組成的部分：
    - 紙板（箱子）
    - 伸縮性聚苯乙烯（減震材料）
    - 聚乙烯（袋子、保護性泡沫膠紙）在處理這些包裝材料時，請遵守貴地的條例。
  - 2 您這台產品中含有某些可再循環和再用的材料，只要將產品交由專業化公司進行拆卸。關於將舊的產品送往再循環的途徑，請向貴地的有關方面查詢。
  - 3 別將用過的電池隨家庭垃圾一起丟棄。關於丟棄舊電池的途徑，請向貴地的有關方面查詢。
  - 4 備註：在夜間將預備狀態關閉，能節省電源。

English

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English

Français

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Français

Español

página 27

Español

中文

第38頁

中文

#### 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. The document you are now reading is your guarantee card.

#### **Guarantee**

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, and this guarantee card completed at time of purchase (this is your proof of 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 or completed guarantee card) 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 44 160**

#### GARANTIA 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 este 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**

## Precautions

### On Operating Voltage

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. The type plate is located at the rear of your system. If not, please consult your dealer.

### Adjusting the Operating Voltage (for specific versions only)

Before connecting the AC power cord to a wall outlet, make sure that the voltage selector at the rear of the system is set to the local power line voltage. If not, reset the selector before connecting to the wall outlet.

### On Placement

- Do not expose the system to humidity or rain, sand or to excessive heat.

### On safety

- Under no circumstances should you repair the unit yourself as this will invalidate the guarantee!
- This product complies with the radio interference requirements of the European Community.
- Electrostatic discharge may cause unexpected symptoms. See whether these symptoms disappear if you take the mains plug out of the wall socket and plug it in again after a short period.
- To disconnect the system from the mains completely, withdraw the mains plug from the wall socket.

### On Condensation

- 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 1 hour with no disc in the unit until normal playback is possible.

## Preparation

### Installation

- Place the system in a location with adequate ventilation to prevent internal heat build-up in your system.

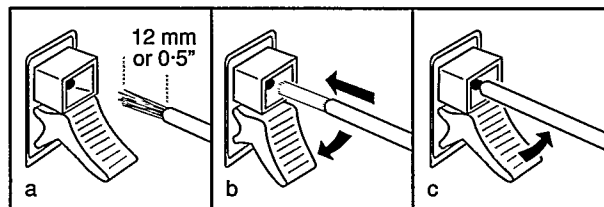
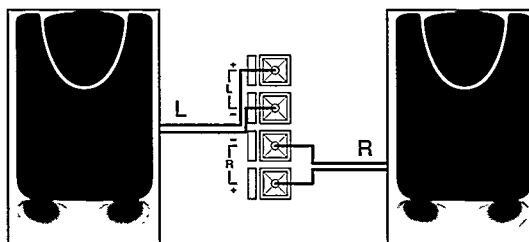
### Battery Installation (Remote Control)

- Load the batteries into the remote control transmitter as shown in the battery compartment.
- Remove the batteries if exhausted or if they will not be used again for a long period. For replacement use only batteries of the type R03, UM-4 or AAA.

### Accessories (Supplied)

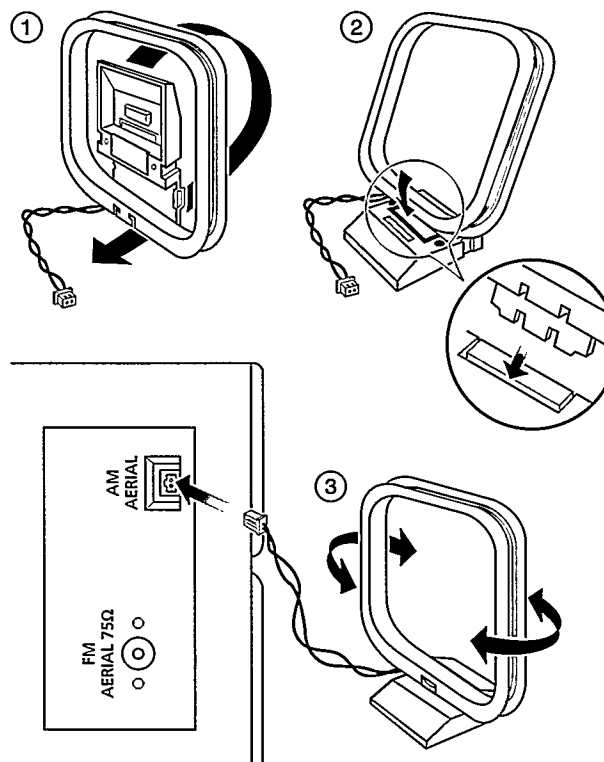
- Remote control transmitter
- Batteries (2x AAA size) for remote control transmitter
- AM loop antenna
- FM antenna wire
- Adaptor Fem/Fem Din 45325 (For UK version only)
- Cinch cable (for specific versions only)

## Speakers Connections



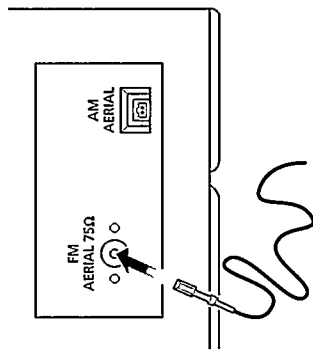
- Connect the right speaker to terminal R, with the red wire to + and the black wire to -.
- Connect the left speaker to terminal L, with the red wire to + and the black wire to -.

## AM Antenna Connection



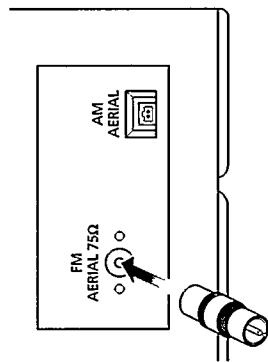
Connect the supplied loop antenna to the AM aerial terminal. Adjust the position of the AM loop antenna for optimum reception.

## FM Wire Antenna Connection

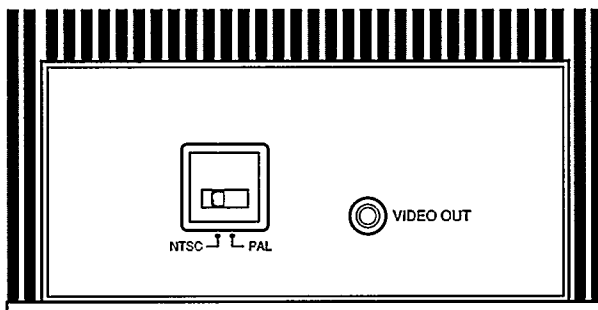


Connect the supplied FM wire antenna to the FM 75Ω terminal. Adjust the position of the FM antenna for optimum reception. For better FM stereo reception connect the outdoor FM antenna to the FM 75Ω terminal, using 75Ω coaxial cable.

## Adaptor Fem/Fem Din socket (For UK version only)



## Video Out Connection (for specific versions only)

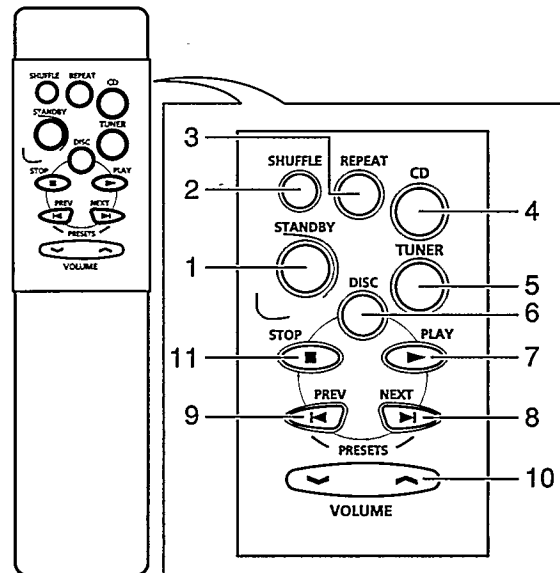


When you are playing CD-graphics disc, you will have to connect the VIDEO OUT of the system to the TV VIDEO-IN using the supplied cinch cable. Select either NTSC or PAL depending on your TV system. For playing of CD-graphics disc, please refer to the CD section.

## Connecting other equipment to your system

You can connect TV, DCC, VCR audio left and right outputs to the AUX/TV IN of the system.

## Remote Control Functions



- First select the source you wish to control by pressing one of the source selection keys (e.g. CD or TUNER)
- Then, select the desired function.

- 1 STANDBY** – to switch the system to standby mode.
- 2 SHUFFLE** – to play CD in random order.
- 3 REPEAT** – to repeat one or all tracks.
- 4 CD** – to switch to CD mode.
- 5 TUNER** – to switch to Radio mode.
- 6 DISC** – for Disc selection of CD changer.
- 7 PLAY** – to play CD.
- 8** – to select preset station in Tuner mode or to select track number in CD Mode.
- 9** – to select preset station in Tuner mode or to select track number in CD Mode.
- 10 VOLUME** or – to adjust volume control.
- 11 STOP** – to stop CD play.

## Clock Setting

### Setting the clock

During clock setting the display is in 24 hours. For examples 13:00 = 1 P.M. and 00:00 = 12 A.M.

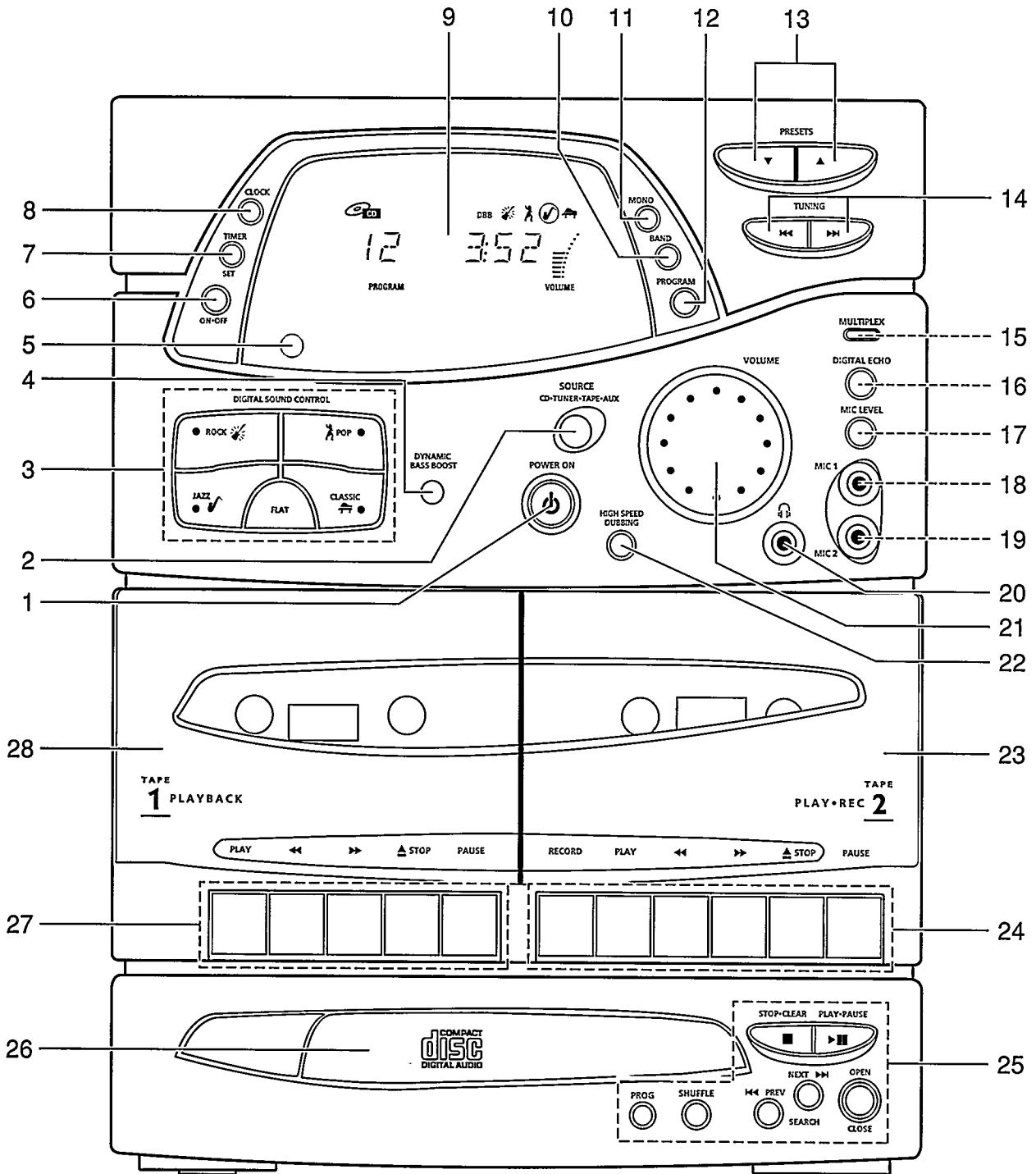
- Press **CLOCK** once.  
→ The hour digit starts flashing.
- Set the hour with **PRESETS** or .
- Press **TUNING** or once.  
→ The minute digit starts flashing.
- Set the minute with **PRESETS** or .
- Press **CLOCK** again.  
→ The clock starts running.

### Note:

- When a power interruption occurs, the clock settings are erased, and "0:00" will flash on the display.

# CONTROLS

English



# CONTROLS

## Amplifier and Tuner

- 1 POWER ON**
  - To switch the set on or to standby mode.
- 2 SOURCE**

To select the following :

  - CD** : to switch to CD mode.
  - TUNER** : to switch to Radio mode.
  - TAPE** : to switch to Tape mode.
  - AUX** : to switch to AUX mode (for external sources, e.g. TV sound).
- 3 DIGITAL SOUND CONTROL (DSC)**
  - To select the desired sound effects : ROCK, POP, JAZZ, CLASSIC, or FLAT.
- 4 DYNAMIC BASS BOOST**
  - To enhance the bass response.
- 5 IR SENSOR**
  - To receive signals from the remote control.
- 6 TIMER ON•OFF**
  - To activate or deactivate the Timer function.
- 7 TIMER SET**
  - To set the Timer function.
- 8 CLOCK**
  - To set the clock.
- 9 DISPLAY**
- 10 BAND**
  - Selection of waveband
- 11 MONO**
  - To switch between FM Mono and FM Stereo reception.
- 12 PROGRAM**
  - To program preset stations.
- 13 PRESETS ▼ or ▲**
  - To select a radio station in memory.
- 14 TUNING ◀◀ or ▶▶**
  - To tune to radio stations.
- 15 MULTIPLEX (for specific versions only)**
  - To cancel the presence of vocals in the original sound source.
- 16 DIGITAL ECHO (for specific versions only)**
  - To adjust the echo level.
- 17 MIC LEVEL (for specific versions only)**
  - To adjust the mixing level for karaoke or microphone recording.
- 18 MIC 1 (for specific versions only)**
  - Connection for microphones.
- 19 MIC 2 (for specific versions only)**
  - Connection for microphones.
- 20 🎧**
  - Connection for headphones.
- 21 VOLUME**
  - To adjust the volume level.

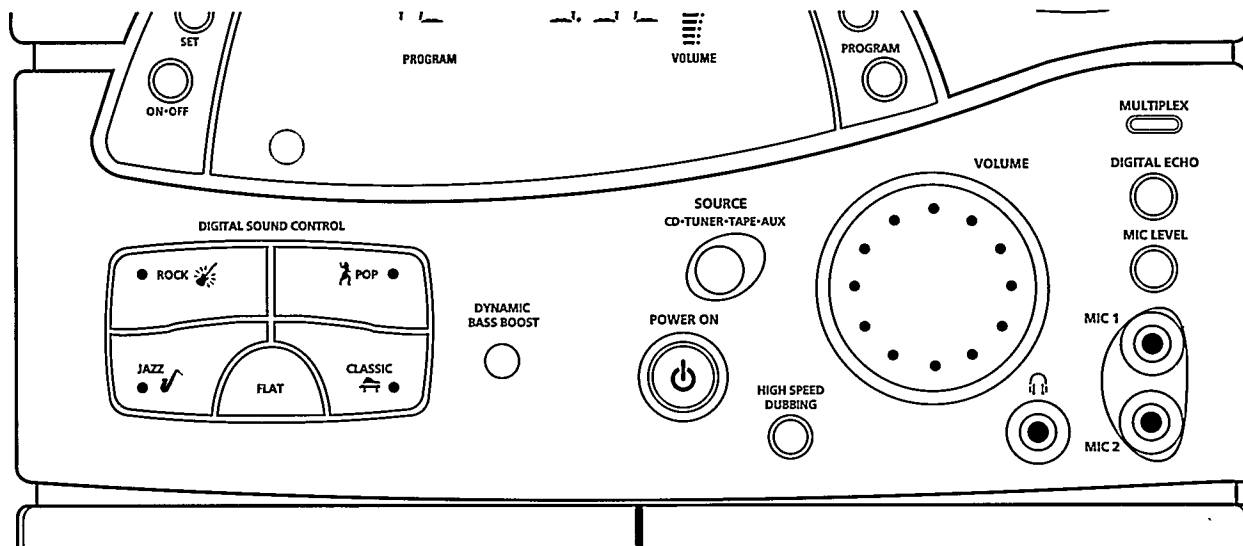
## Cassette Decks and CD

- 22 HIGH SPEED DUBBING**
- 23 CASSETTE COMPARTMENT DECK 2**
- 24 CONTROLS DECK 2 (RECORD/PLAYBACK)**
  - **RECORD** : to start recording
  - **PLAY** : to start playback.
  - **◀◀** : to fast-rewind the cassette.
  - **▶▶** : to fast-forward the cassette.
  - **▲ STOP** : to stop or eject the cassette.
  - **PAUSE** : to pause recording or playback.
- 25 CD CONTROLS**
  - **STOP•CLEAR** : to stop CD play or to clear a program.
  - **PLAY•PAUSE** : to start or interrupt CD play.
  - **OPEN / CLOSE** : to open or close the CD tray.
  - **NEXT ▶▶** : to skip to the beginning of the next track or to search forwards.
  - **◀◀ PREV** : to skip to the beginning of the current or previous track, or to search backwards.
  - **SHUFFLE** : to play in random order.
  - **PROG** : to program tracks and review the program.
- 26 CD TRAY**
- 27 CONTROLS DECK 1 (PLAYBACK)**
  - **PLAY** : to start playback.
  - **◀◀** : to fast-rewind the cassette.
  - **▶▶** : to fast-forward the cassette.
  - **▲ STOP** : to stop or eject the cassette.
  - **PAUSE** : to pause playback.
- 28 CASSETTE COMPARTMENT DECK 1**



# AMPLIFIER

English



## Switching on the system

- Press **POWER ON**.

## Switching off the system (standby mode)

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

## Selecting Sound Sources

- Press **SOURCE** to select either CD, TUNER, TAPE or AUX (or **TUNER** or **CD** on the remote control).  
→ The display indicates the selected sound source.

## Volume Adjustment

Adjust **VOLUME** (or press  $\vee$  or  $\wedge$  on the remote control) to increase or decrease the sound level .

## For Personal Listening

Connect headphones to headphones socket  $\text{H}$ , the speakers will be muted.

## Digital Sound Control

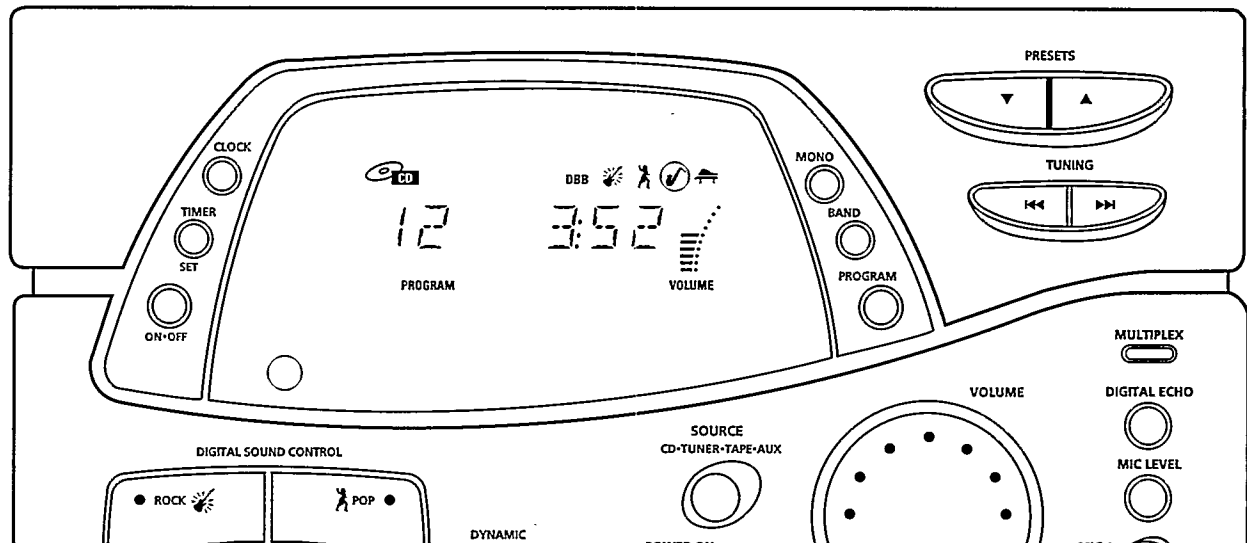
- You can enjoy the following special sound effects by pressing **ROCK**, **POP**, **JAZZ**, **CLASSIC** or **FLAT** respectively.

## Dynamic Bass Boost

- To enhance the bass response, press **DYNAMIC BASS BOOST**.

# TUNER

English



## Tuning

- 1 Press **SOURCE** to select TUNER.
  - 2 Press **BAND** to select desired waveband. LW is only available for specific model.
  - 3 Press **TUNING** ◀◀ or ▶▶ for more than 1 second.  
→ The frequency display will change until a station with sufficient strength is found.
- Repeat this procedure until the desired station is reached.
  - In order to tune to a weak station, briefly press **TUNING** ◀◀ or ▶▶ until the display shows the right frequency and/or optimum reception has been obtained.
  - To reduce interference caused by poor FM stereo reception, switch over to mono reception by pressing **MONO**.

## Storing Stations

You can store up to thirty stations in the memory.

### Manual programming

- 1 Press **PROGRAM**.  
→ "PROGRAM" flashes on the display.
  - 2 Tune to the station to be programmed.
  - 3 Press **PRESETS** ▼ or ▲ to select a desired preset number.
  - 4 Press **PROGRAM**.  
→ "PROGRAM" disappears, and the station is stored.
- Repeat above procedure for each station to be stored.

## Tuning to Preset Station

- Press **PRESETS** ▼ or ▲ (◀◀ or ▶▶ on the remote control) to select the desired preset number.

## One Touch Play

Press **BAND** or **PRESETS** ▼ / ▲ or **TUNING** ◀◀ / ▶▶ when the system is in standby mode. You can listen to the last received station without pressing any other buttons.

## Changing the MW tuning grid (for specific versions only)

### Change to 10kHz

- 1 Disconnect the system from the mains.
- 2 Keep **PROGRAM** and **TUNING** ▶▶ depressed, while re-connecting the system to the mains again.  
→ Display briefly shows "10 KHZ".

### Change to 9kHz

- 1 Disconnect the system from the mains.
- 2 Keep **PROGRAM** and **TUNING** ◀◀ depressed, while re-connecting the system to the mains again.  
→ Display briefly shows "9 KHZ".

## Switching the LW Band (for specific versions with LW only)

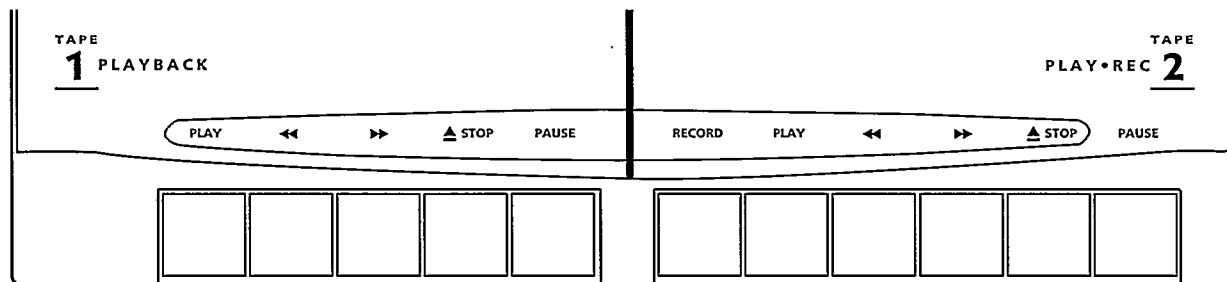
### Switching ON the LW Band

- 1 Disconnect the system from the mains.
- 2 Keep **PROGRAM** and **TUNING** ▶▶ depressed, while re-connecting the system to the mains again.  
→ Display briefly shows "LW".

### Switching OFF the LW Band

- 1 Disconnect the system from the mains.
- 2 Keep **PROGRAM** and **TUNING** ◀◀ depressed, while re-connecting the system to the mains again.  
→ Display briefly shows "LW NO".

# CASSETTE DECKS



## Loading a cassette

- Press **▲ STOP** (EJECT).
- The cassette door opens.
- Load the cassette with the open side downward.
- Close the cassette door.

## Tape Playback

- 1 Press **SOURCE** to select TAPE.
- 2 Load the cassette in **DECK 1** or **DECK 2**.
- 3 Press **PLAY** to start play.
- 4 Press **▲ STOP** to end play.
- 5 Press **PAUSE** to interrupt play.

### Fast winding/rewinding

- 1 You can wind or rewind the tape by pressing **▶▶** or **◀◀**.
- 2 Press **▲ STOP** to stop winding or rewinding.

### Note :

It is possible to wind or rewind a cassette when the set is in other source mode (e.g. tuner mode)

## Continuous playback of two cassettes

- 1 Press **SOURCE** to select TAPE.
- 2 Load the cassettes in **DECK 1** or **DECK 2**.
- 3 Press **PLAY** on **DECK 2**.
- 4 Press **PAUSE** on **DECK 1**.
- 5 Press **PLAY** on **DECK 1**.  
→ Playback will begins with **DECK 2** and will continues with **DECK 1** when **DECK 2** ends.
- 6 Press **▲ STOP** if you want to stop playback before th end of the tape in **DECK 1** or **DECK 2**.

## Recording Operation (DECK 2)

- 1 Press **SOURCE** to select TUNER or AUX.
- 2 Load a cassette in **DECK 2**.
- 3 Press **RECORD** on **DECK 2** to start recording.  
→ "RECORD" appears on the display.
- 4 Press **▲ STOP** on **DECK 2** to stop recording.

**Note :** For CD recording see CD Synchro-start recording under Compact Disc section.

### Dubbing cassettes (from DECK 1 to DECK 2)

- 1 Load the pre-recorded cassette in **DECK 1** and a blank cassette in **DECK 2**.
  - Make sure that both cassettes have their full spools to the left.
- For high speed recording, press **HIGH SPEED DUBBING**.  
→ "HIGH SPEED" appears on the display.
- 2 Press **PAUSE** on **DECK 1**.

- 3 Press **PLAY** on **DECK 1**.
- 4 Press **RECORD** on **DECK 2**.  
→ "RECORD" appears on the display.
- 5 Press **▲ STOP** on **DECK 2** to stop dubbing.

### Notes :

- At the end of side A, flip the cassette to side B and repeat procedure.
- Dubbing of cassette is possible during CD, TUNER or AUX mode. To ensure good dubbing, tapes of the same length are recommended.
- The set will be muted during high speed dubbing in Tape mode.

### Microphone mixing (for specific versions only)

- 1 Insert the microphone into the mic socket.
- 2 Press **SOURCE** to select CD, TAPE, AUX or TUNER.
- 3 Play the selected source.
- 4 Adjust the volume with **VOLUME** control.
- 5 Adjust the **MIC LEVEL** control to the mixing level that you want.
- 6 Start Singing or talking through the microphone.

### Note:

- To prevent acoustics feedback example by a loud howling sound, adjust the MIC LEVEL control to the minimum before you plug in the microphone.

### Recording the mixed sound

During microphone mixing, you can record the mixed sound on a cassette in **DECK 2**.

- 1 Load a blank cassette in **DECK 2**.
- 2 Press **RECORD**.

### Note :

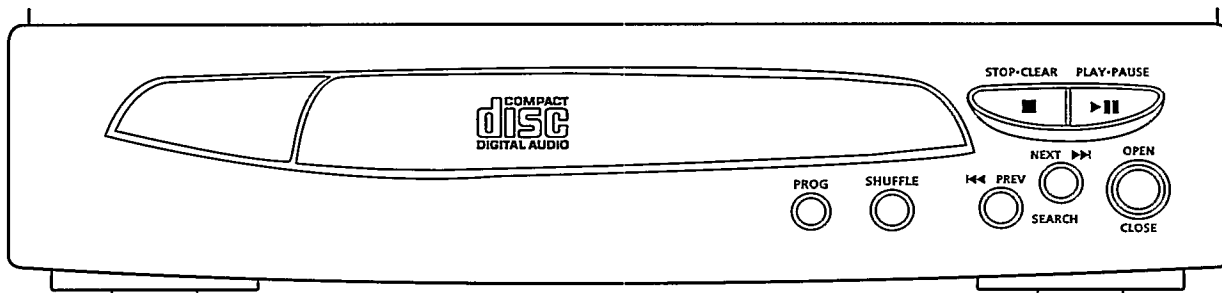
- If you do not intend to record via the microphone, unplug the microphone to avoid accidental mixing with other recording source.
- It is not possible to record the mixed sound through a microphone during cassette Dubbing mode.

## General Information

- Recording is only possible with **DECK 2**. During recording, it is advisable not to wind or rewind the cassette in **DECK 1**.
- For recording, use only cassette of IEC type I (Normal cassette).
- The recording level is set automatically, regardless of the position of **VOLUME**.
- Check and tighten slack tape before use with a pencil. Slack tape may get jammed or burst in the mechanism.
- To prevent accidental recording, break out the tab on the left shoulder of the cassette side. To re-record the cassette, cover each slot with plastic tape.
- 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 magnetic field for example, transformer, TV and loudspeaker boxes.

# COMPACT DISC

English



## Notes on handling discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape onto the disc.
- Do not expose the disc to direct sunlight or heat sources.
- After playing, store the disc in its case.

## Loading Disc

- 1 Press **SOURCE** to select CD.
- 2 Press **OPEN / CLOSE**.
- 3 Load a disc with printed side up. In addition to the conventional 12 cm CD, 8 cm CD can also be used without an adaptor.
- 4 Press **OPEN / CLOSE**.  
→ The total number of tracks and playing time appear on the display.

## Playing a Disc

- 1 Start play by pressing **PLAY•PAUSE** (or **PLAY ▶** on the remote control).  
→ The track number and the elapse playing time of the current track appear on the display.
  - To interrupt play, press **PLAY•PAUSE**.  
→ "PAUSE" appears on the display.
  - To resume play, press **PLAY•PAUSE** again (or **PLAY ▶** on the remote control).
- 2 To stop play, press **STOP•CLEAR** (or **STOP ■** on the remote control).  
→ The total number of tracks and playing time appear on the display.

## One Touch Play

Press **PLAY•PAUSE** when the system is in standby mode. If a disc has been inserted, you can listen to the disc without pressing any other buttons.

### Selecting a particular track

- Press **◀◀ PREV** or **NEXT ▶▶** ( **◀** or **▶** ) on the remote control until the desired track appears on the display.

### Searching for a particular passage during CD play

- Hold down **◀◀ PREV** or **NEXT ▶▶** until the desired passage is located. During the search the sound is played faster than normal at a reduced volume. Play returns to normal once **◀◀ PREV** or **NEXT ▶▶** is released.

## Programming Tracks

Up to 30 tracks can be stored in the memory in any order. If you try to store more than 30 tracks, display shows "FULL".

- 1 Press **◀◀ PREV** or **NEXT ▶▶** to select the desired track.
- 2 Press **PROG** to store the track.  
→ "PROGRAM" appears briefly on the display.  
Repeat above procedure to select and store other tracks.
- 3 To end programming, press **STOP•CLEAR** once.  
→ Display shows the total number of track programmed and the total playing time of the program.
  - To start the programmed play, press **PLAY•PAUSE**.

### Note :

- Program is erased when the CD tray is opened.

### Reviewing the program

- 1 Press **PROG** for more than 1 second.  
→ All the stored track numbers in the pre-selected order will successively appear on the display.

### Erasing the program (in the stop position)

- 1 Press **STOP•CLEAR**.  
→ "CLEAR" appears briefly on the display.  
→ "PROGRAM" disappears from the display.

## Playing modes : Repeat/Shuffle

### REPEAT - repeating the entire CD or a particular track

- 1 By repeatedly pressing **REPEAT** on the remote control only, the display shows the different repeating modes:  
REPEAT - the entire CD is played repeatedly.  
REPEAT 1 - the current track is played repeatedly.
- 2 To cancel Repeat Play, press **REPEAT** on the remote control until "REPEAT" or "REPEAT 1" disappears.

### SHUFFLE - playing in random order

- 1 Press **SHUFFLE**.  
→ "SHUFFLE" and track selected at random appear on the display.
  - The CD will now be played in random order, until you press **STOP•CLEAR**.
- 2 Press **SHUFFLE** again to resume normal play.

## CD Recording

### During CD recording,

- it is not advisable to wind/rewind your cassette in **DECK 1**.
- it is not possible to listen to other sound source.

### CD Synchro-start Recording

- 1 Press **SOURCE** to select CD.
- 2 Load a disc into the tray.
- 3 Load a blank cassette (full spool to the left) into **DECK 2**.
- 4 Press **◀ PREV** or **NEXT ▶** to select the desired track  
If desired, you can make a program from the disc in the order you want them to be recorded. (see **Programming Tracks**)
- 5 Press **RECORD** on **DECK 2** to start recording.  
→ "RECORD" appears on the display.  
→ CD start playing after a 7 seconds delay to prevent recording on the beginning transparent portion of the tape.
- 6 To stop recording, press **▲ STOP** on **DECK 2**.

## CD Graphics (for specific versions only)

- Press **MULTIPLEX** if you wish to eliminate the presence of vocals in the original sound source. (only applicable for karaoke CD-graphics disc.)

### Note :

- When you are playing a normal CD, for perfect reproduction of the stereo sound, it is not advisable to press **MULTIPLEX** button . If the **MULTIPLEX** button is pressed, there will be some loss of music information and you will hear mono sound.

## Setting the Timer

- The power of the system can be turned on automatically at a preset time and it can serve as an alarm to wake you up. The system will switch to Standby mode after one hour.
- Before setting the timer, make sure the clock is set correctly.
- Timer works only once for each setting.

- 1 Press **TIMER SET**.  
→ "TIMER" appears briefly and "TIMER" flag start flashing on the display.
- 2 Press **PRESETS ▼** or **▲** to select BUZZER, TUNER or CD.
- 3a **To select Tuner**
  - Select **TUNER** and press **TIMER SET** to confirm your selection.
  - Press **PRESETS ▼** or **▲** to select a preset station.  
→ The selected preset station and frequency appear on the display.
  - Press **TIMER SET** to confirm the selected station.  
→ Display briefly shows "START" and then the hour digit starts flashing.
  - Go to **step 4**.
- 3b **To select CD or BUZZER**
  - Select **CD** or **BUZZER** and press **TIMER SET** to confirm your selection.  
→ Display briefly shows "START" and then the hour digit starts flashing.
  - Go to **step 4**.
- 4 Press **PRESETS ▼** or **▲** to set the desired hour digit.
- 5 Press **TUNING ◀** or **▶** once to switch to minute digit.
- 6 Press **PRESETS ▼** or **▲** to set the desired minute digit.
- 7 Press **TIMER SET** to store the start time.  
→ "TIMER" appears on display.
- 8 Prepare the sound source.  
For listening to a disc : Load a disc in the disc tray.

### Note :

- If the set is in standby mode, buzzer will sound for one minute from the preset time.

### To cancel the Buzzer

- Press any buttons **ON THE SYSTEM**.
- Press **STANDBY ON THE REMOTE CONTROL**.

### To switch off the Buzzer temporarily (during standby mode)

- Press any buttons **ON THE REMOTE CONTROL** (except **STANDBY**).
- The buzzer is temporarily switched off. It will come on again after about ten minutes. This whole process will last for one hour.

### To Activate/Deactivate TIMER Function

- Press **TIMER ON•OFF**.  
→ "TIMER" flag appears on the display and the starting time is shown briefly.  
→ Timer is activated.
- Press **TIMER ON•OFF** again.  
→ "TIMER" flag disappears from the display.  
→ Timer is deactivated.

# MAINTENANCE / SPECIFICATIONS

English

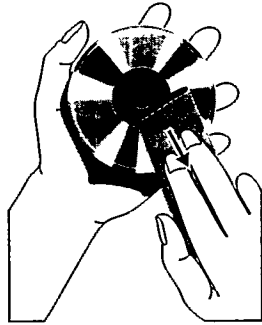
## Maintenance

### Cleaning the Cabinet

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

### Cleaning Discs

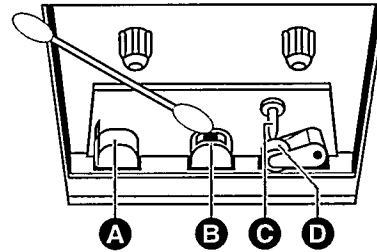
- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out.



- Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static spray intended for analog discs.

### Cleaning the Heads and the Tape Paths

- To ensure good recording and playback quality, clean the head **A** and **B**, the capstan **C** and pressure roller **D** after every 50 hours of operation.



- Use a cotton swab slightly moistened with cleaning fluid or alcohol.

## Technical Data

### <Amplifier>

Output power: 2 x 15W RMS/6 Ω  
 Frequency response: 20 - 20000 Hz  
 Signal-to-noise ratio: ≥ 80 dBA (IEC)

#### Input :-

MIC (not all versions) : 3.5 mm socket  
 Sensitivity 2.4mV  
 AUX : 400 mV  
 Impedance ≤ 47k Ω

#### Outputs :-

Headphones: 3.5 mm socket  
 impedance 32 Ω - 1000 Ω  
 Loudspeakers impedance : ≥ 6 Ω  
 Video out \* impedance 75 Ω  
 Video system \* NTSC / PAL

### <Tuner>

#### FM section :-

Tuning range: 87.5 – 108 MHz  
 Intermediate frequency 10.7 MHz  
 Antenna terminals : 75 Ω (unbalanced)  
 Sensitivity mono, 26 dB S/N : 2.5 uV

#### AM section :-

MW Tuning range: 522 – 1611 kHz (9 kHz step)  
 530 – 1710 kHz (10 kHz step)  
 LW \*\* Tuning range: 153 – 279 kHz (1 kHz step)  
 Intermediate frequency 450 kHz  
 Antenna : AM loop antenna

### <CD player>

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

### <Cassette deck>

Track format : 4 tracks, 2 channels  
 Tape speed : 4.76cm/sec ±3%  
 Frequency response : 80 – 14000 Hz  
 Normal tape (Type I) ≥ 52 dBA  
 Signal-to-noise ratio (without Dolby NR): Normal tape (Type I) ≥ 52 dBA  
 Wow and flutter: ≤ 0.15 % DIN

### <Cabinet>

Material/finish: Polystyrene with decorative paint  
 Dimensions (w x h x d): 240 x 309.5 x 280.5 mm  
 Weight: 5 kg approx. (without speaker boxes)

\* For specific versions with CD graphics only

\*\* For specific versions with LW only

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.

Symptom	Cause (and Remedy)
<b>Radio Reception</b>	
The STEREO indicator flashes.	(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.)
<b>Cassette Deck Operation</b>	
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 head Magnetic build-up in the record/playback head – See section on Maintenance on cleaning of tape heads.
Excessive wow or flutter, or sound drop-out.	Contamination of the capstans or pinch rollers – See section on Maintenance on cleaning of tape heads.
<b>CD Player Operation</b>	
The disc tray does not close.	The disc is not inserted correctly.
Set does not play.	The player is in PAUSE mode. (Press PLAY•PAUSE again.)
"NO DISC" is displayed.	The disc is inserted upside down. Moisture condensation on lens. 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 or SHUFFLE mode. (Press STOP•CLEAR follow by PLAY•PAUSE again.)
<b>General</b>	
Set not working.	Hang up problem due to Electro-static discharge, press POWER to switch off and on again. In the worst case, withdraw the mains plug from the wall socket and then reconnect the system again.
No sound output.	Adjust VOLUME. The headphones are connected, disconnect them. (Check that the speakers are connected properly.)
No sound from one speaker or unbalanced left and right sound.	(Check the connection of the defective speaker.)
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 VCR is too close to the stereo system. (Separate the stereo system from the TV or VCR.)
Clock blinking.	There was a power interruption. (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.









FW 330

