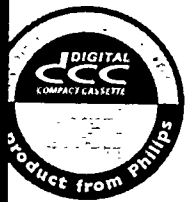
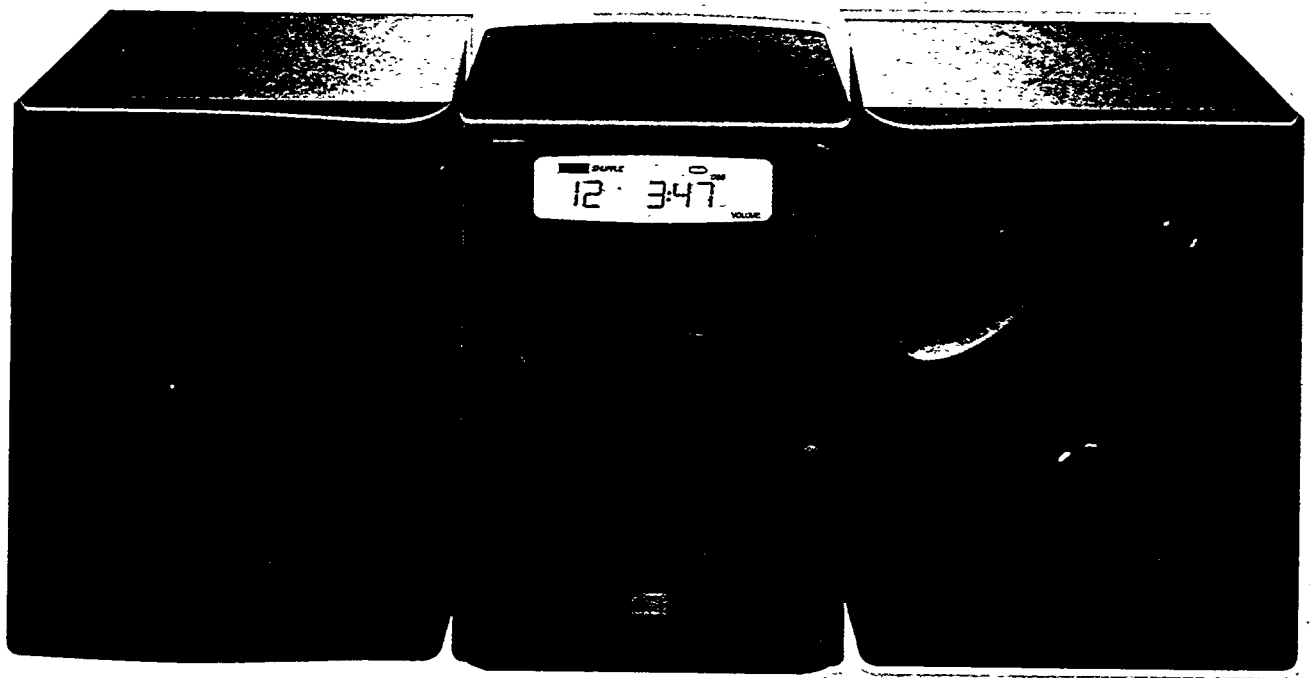


PHILIPS

FW18 Micro System



Instructions for use
Mode d'emploi
Instrucciones de manejo
Bedienungsanleitung
Gebruiksaanwijzing
Istruzioni per l'uso
Brugsanvisning
Bruksanvisning
Käyttöohje
Οδηγίες χρήσεως
Manual de utilização



PHILIPS

España

Declaración 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**
fabricado por : **Philips Singapore Pte. Ltd.**
en : **Far East**
marca : **Philips**
modelos : **FW 18**

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

Hecho en : **Singapore**

Firma : *Yoke Yoon Sheong*

Nombre : **YC Loke**
Cargo : **Safety and Approbation Manager**

Mexico

NOM

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



NOM

Australia

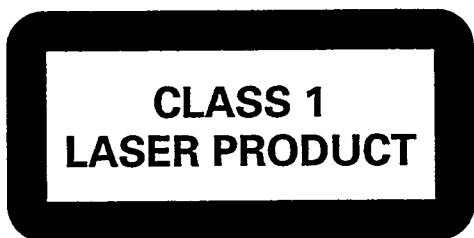
Guarantee page 4

New Zealand

Guarantee page 4

NORGE

- Typeskilt finnes på apparatens bakside.
- **Observer:** Nettbryteren ersekundertinnkoplet. Den innebygde nettdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.



Index

Important notes for users in the U.K.:

Mains Plug

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

- Remove fuse cover and fuse.
- 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 5A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

Note:

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

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

English	page 5	English
Français	page 19	Français
Español	página 33	Español
Deutsch	seite 47	Deutsch
Nederlands	página 61	Nederlands
Italiano	pagina 75	Italiano
Svenska	sida 89	Svenska
Dansk	side 103	Dansk
Suomi	sivut 117	Suomi
Ελληνικά	σελίδα 131	Ελληνικά
Português	pagina 145	Português

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 94 160
fax ☎ (09) 84 97 858**

GARANTIA PARA MEXICO

DOM

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**

General Information

- This product complies with the radio interference requirements of the European Community.
- The typeplate is located on the rear of the set.
- Recording is permissible insofar as copyright or other rights of third parties are not infringed.

- 1 All unnecessary packaging material has been omitted. We have done our utmost to make the packaging easy separable into three mono-materials:
 - cardboard (box)
 - expandible 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 off exhausted batteries with your household waste. Please inquire about how to dispose off batteries according to local regulations.
- 4 Note: Switching off the standby mode overnight will save energy.

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 or set the voltage selector. The type plate is located at the rear of your system.
- Place the system on a solid base (e.g. a cabinet).
- When the system is switched on, do not move it around.
- Place the system in a location with adequate ventilation to prevent internal heat build-up in your system.
- Do not expose the system to excessive moisture, rain, sand or to other sources of heat.
- Under no circumstances should you repair the unit yourself as this will invalidate the warranty!
- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens of the CD unit inside the system. Should this occur, the CD player will not operate normally. Leave the power on for about one hour with no disc in the unit until normal playback is possible.
- Electrostatic discharge may cause unexpected symptoms. See whether these symptoms disappear if you take the AC power cord out of the wall socket and plug it in again after a short period.
- **To disconnect the system from the power supply completely, withdraw the AC power cord from the wall socket.**

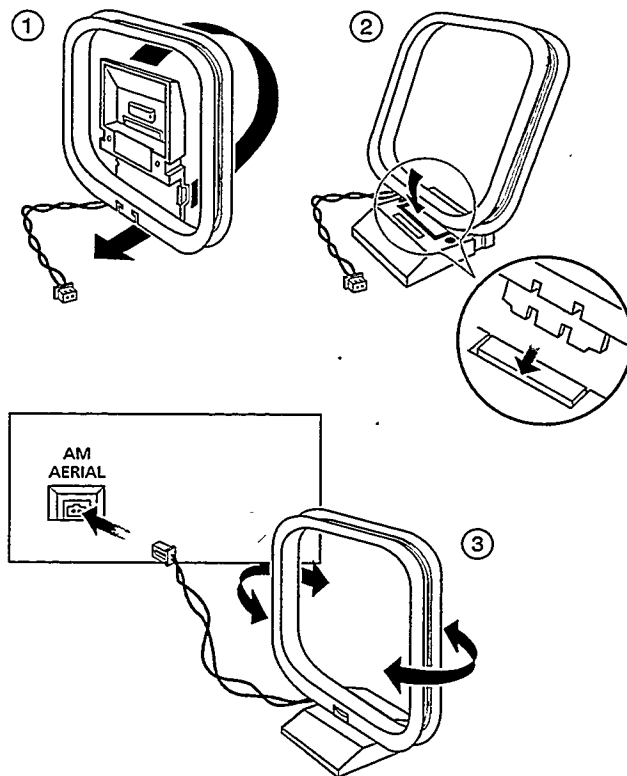
Accessories (Supplied)

- Remote control transmitter
- Batteries (2x AAA size) for remote control transmitter
- AM loop antenna
- FM antenna wire

Inserting the batteries into the Remote Control

- Insert the batteries (Type R03, UM-4 or AAA) into the remote control transmitter as shown in the battery compartment.
- To avoid damage from possible battery leakage, remove the batteries if exhausted or unused for extended period. For replacement use only batteries of the type R03, UM-4 or AAA.

AM Antenna Connection

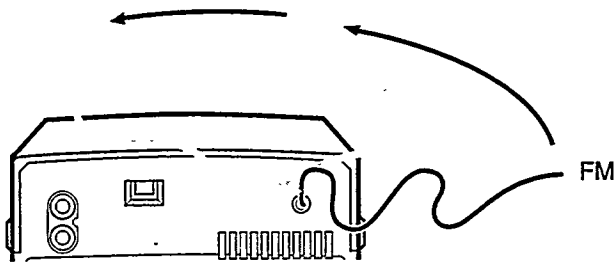


Connect the supplied loop antenna to the AM AERIAL terminal. Adjust the position of the AM loop antenna for optimum reception.

Preparations

English

FM Wire Antenna Connection

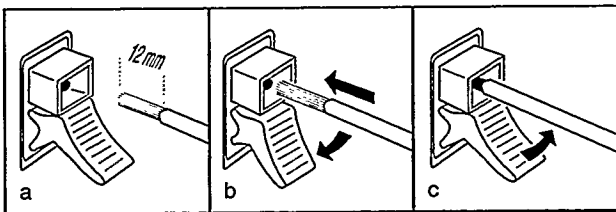
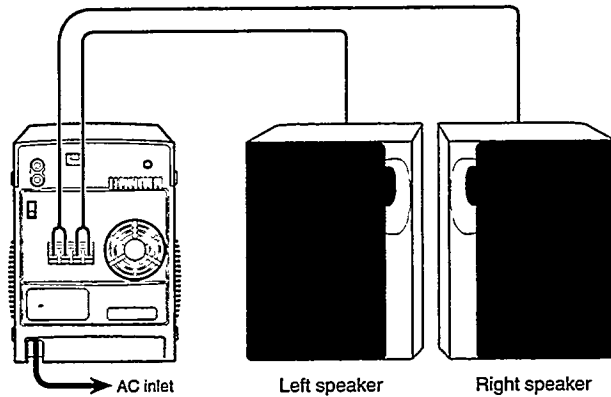


Connect the supplied FM wire antenna to the FM 75Ω terminal. Adjust the position of the FM antenna for optimum reception.

Outdoor Antenna

For better FM stereo reception connect an outdoor FM antenna to the FM AERIAL 75Ω terminal, using a 75Ω coaxial cable.

Speakers Connections



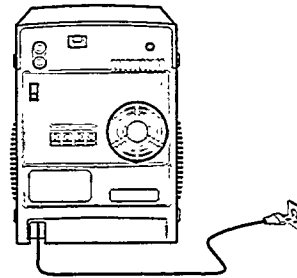
- Connect the right speaker to terminal **R**, with the red wire to + and the black wire to -.
- Connect the left speaker to terminal **L**, with the red wire to + and the black wire to -.
- Clip the blank portion of the wire as shown above.

Connecting other equipment to your system

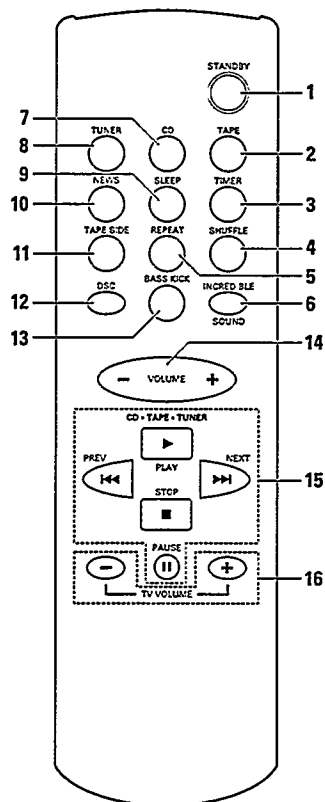
You can connect TV, DCC or VCR audio left and right outputs to the AUX/TV IN at the rear of the system.

Mains Connection

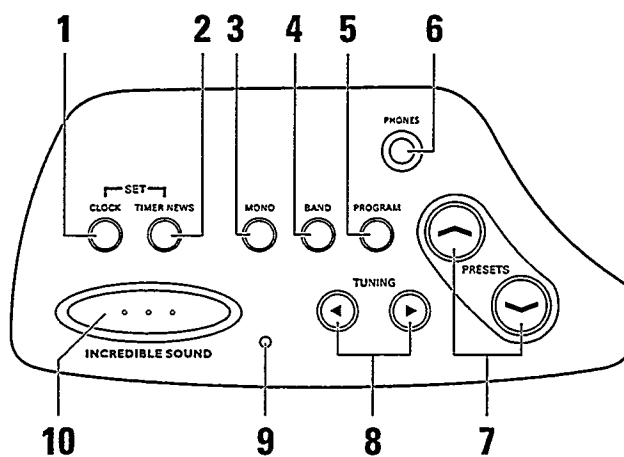
After all other connections have been made, connect the mains plug to the wall socket.



Remote Control Functions



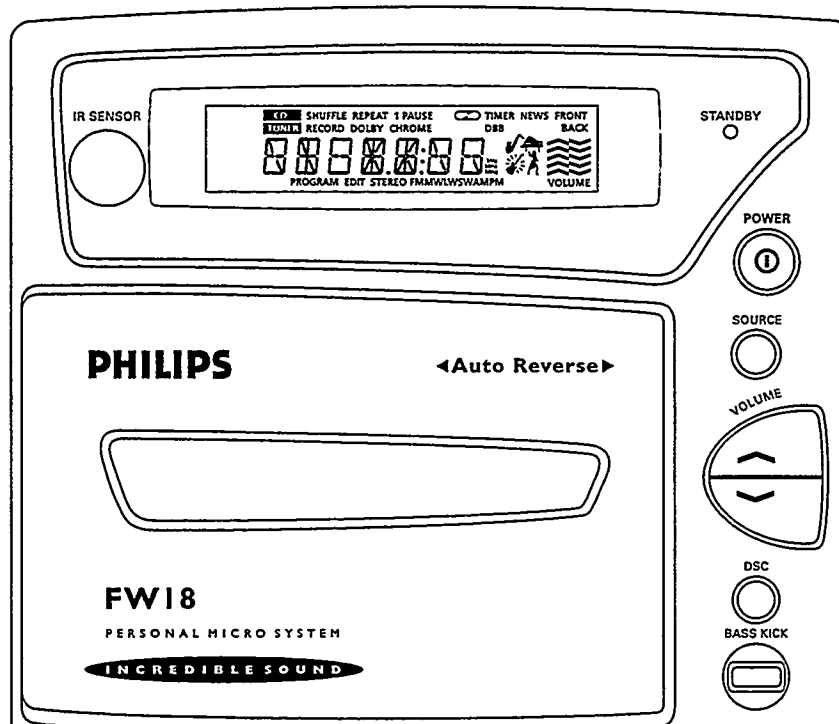
Top View



- First select the source you wish to control by pressing one of the source select keys on the remote control (e.g., CD, TUNER, TAPE). AUX can only be selected with the SOURCE button on the unit.
- Then select the desired function.

- 1 STANDBY** : to switch the unit to standby mode.
- 2 TAPE** : to select TAPE mode.
- 3 TIMER** : to start or stop timer.
- 4 SHUFFLE** : to play CD tracks at random.
- 5 REPEAT** : to repeat a disc, a program or a track.
- 6 INCREDIBLE SOUND** : to select the pseudo surround spatial sound effect.
- 7 CD** : to select CD mode.
- 8 TUNER** : to select TUNER mode.
- 9 SLEEP** : to start/stop or select sleep mode.
- 10 NEWS** : to start or stop NEWS.
- 11 TAPE SIDE** : to select the direction of play in tape mode.
- 12 DSC** : to select digital sound control: FLAT, JAZZ, CLASSIC, ROCK or POP.
- 13 BASS KICK** : to switch on and off extra bass boost.
- 14 VOLUME +/-** : to adjust the volume.
- 15 PLAY ►** : to start play in CD or TAPE mode.
STOP ■ : to stop play in CD or TAPE mode.
PAUSE || : to interrupt play in CD.
◀◀ PREV./NEXT ▶▶
 for TUNER : to select a lower/higher tuner preset station.
 for CD : to select previous/next CD track.
 for TAPE : to fast rewind/forward the tape.
- 16 TV VOLUME +/-** : to adjust the TV (RC 5 code) volume.

- 1 CLOCK SET**
- To set the clock.
- 2 TIMER/NEWS**
- To program Timer and News.
- 3 MONO**
- To switch between FM Mono and FM Stereo reception.
- 4 BAND**
- To select the waveband
- 5 PROGRAM**
- To program preset stations.
- 6 PHONES**
- To connect the headphones.
- 7 PRESETS ◁ or ▷**
- To select a radio station in memory. Also use for CLOCK/TIMER/NEWS setting.
- 8 TUNING ◀ or ▶**
- To tune to radio stations
 ◀ : lower frequencies.
 ▶ : higher frequencies.
 or to select in various set modes.
- 9 INCREDIBLE SOUND LED LIGHT**
- Light up when incredible sound is switched on.
- 10 INCREDIBLE SOUND**
- To select the pseudo surround spatial sound effect.



Important :

To begin operating the system, ensure that you have completed the preparation procedures. The set is in the standby mode when the mains plug is connected to the wall socket and "00:00" flashes on the display.

Switching the system ON

- Press **POWER** or **SOURCE** selection (or **CD, TUNER** or **TAPE** on the remote control).

Switching the system to standby mode

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

Selecting the Sound Sources

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

You can also select the sound source directly by selecting the respective PLAY button for CD and TAPE mode or PRESET button for TUNER mode.

Note :

For AUX source, ensure that you have connected the audio left and right from the external equipment (TV, VCR or DCC player).

Volume Adjustment

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

For Personal Listening

Connect the headphones to the **PHONES** socket, the speakers will be muted.

Digital Sound Control

This feature is only available in some versions.

- To enjoy the respective special sound effect, press **DSC**.
→ The display will show **ROCK, POP, JAZZ, CLASSIC** or **FLAT** and the respective icon will light up.

Incredible Sound

- In addition to all other sound settings, you can activate the incredible sound feature by pressing **INCREDIBLE SOUND**.
→ This creates a phenomenal surround sound effect even if the speakers are positioned close to the system. The sound becomes "incredibly" spatial.



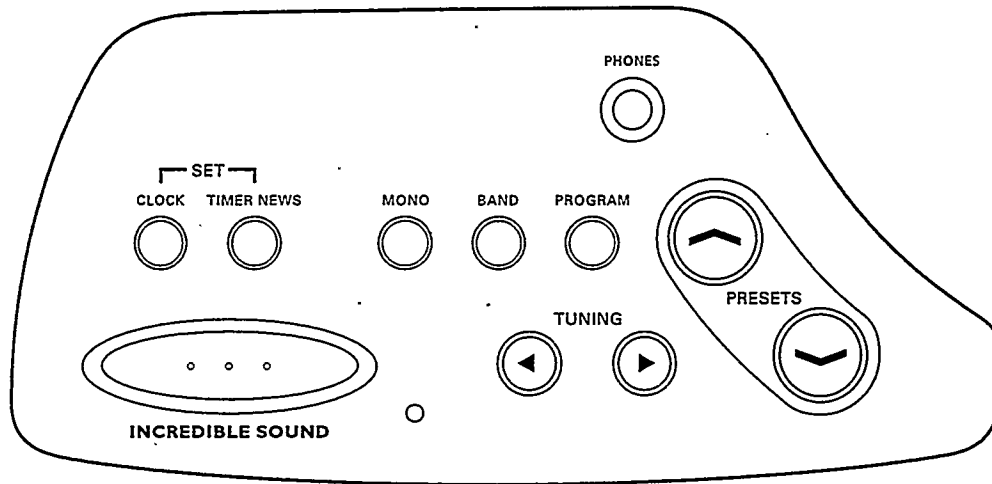
The LED lights up when the incredible sound feature is switched on.

Bass Kick

- To enhance the bass response, press **BASS KICK**.

Tuner

English



Tuning to radio stations

- 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 one second.
 - The frequency display will change until a station with sufficient signal 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 Preset Stations

You can store up to thirty stations in the memory. When a preset station is selected, the preset number appears next to the frequency.

Manual programming

- 1 Press **PROGRAM**.
 - "PROGRAM" flashes on the display.
 - 2 Press **TUNING** ◀ or ▶ to tune to the desired frequency.
 - 3 Press **PRESETS** ∨ or ∧ to select a desired preset number.
 - 4 Press **PROGRAM** again.
 - "PROGRAM" disappears, and the station is stored.
- Repeat above procedure to store other preset stations.

Tuning to Preset Station

- Press **PRESETS** ∨ or ∧ (◀◀ or ▶▶ on the remote control) to select the desired preset number.
 - The preset number, frequency and waveband appear on the display.

Changing the MW tuning grid

(for specific versions only)

Change to 10 kHz

- 1 Switch the unit to standby mode and disconnect the unit from the AC power supply (pull out the AC power cord).
- 2 Keep **PROGRAM** and **TUNING** ◀ depressed, while re-connecting the system to the AC power supply again.
 - Display briefly shows "K E 10".

Change to 9 kHz

- 1 Switch the unit to standby mode and disconnect the unit from the AC power supply (pull out the AC power cord).
- 2 Keep **PROGRAM** and **TUNING** ▶ depressed, while re-connecting the system to the AC power supply again.
 - Display briefly shows "K E 9".

Switching the LW Band

(for specific versions with LW-only)

Switching ON the LW Band

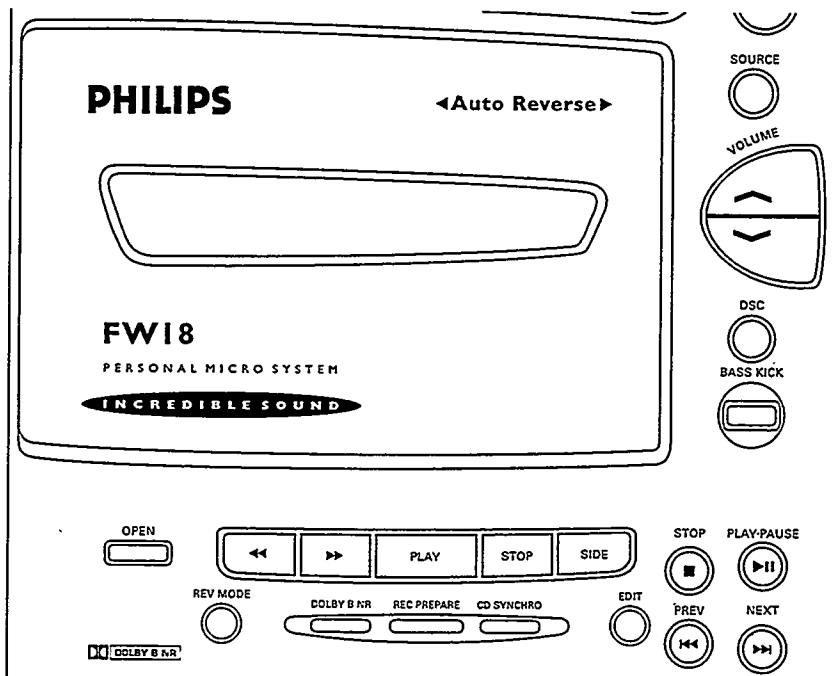
- 1 Switch the unit to standby mode and disconnect the unit from the AC power supply (pull out the AC power cord).
- 2 Keep **PROGRAM** and **TUNING** ▶ depressed, while re-connecting the system to the AC power supply again.
 - Display briefly shows "LW".

Switching OFF the LW Band

- 1 Switch the unit to standby mode and disconnect the unit from the AC power supply (pull out the AC power cord).
- 2 Keep **PROGRAM** and **TUNING** ◀ depressed, while re-connecting the system to the AC power supply again.
 - Display briefly shows "LW NO".

Cassette Deck

English



Loading a cassette

- Press **OPEN**.
- The cassette door opens.
- Load the cassette with the open side downward and the full spool to the left.
- Close the cassette door.

Tape Playback

- 1 Press **SOURCE** to select TAPE.
- 2 Load the cassette in **CASSETTE DECK**.
- 3 Press **PLAY** to start play.
 - Press **SIDE** to change the direction of the play mode.
 - "FRONT" or "BACK" appears in the display, depending on the side selected.
 - Press **REV MODE** to select the different type of play mode (see continuous playback).
 - If it is a Dolby B NR cassette, press **DOLBY B NR** to switch on the feature.
- 4 Press **STOP** to end play.

Continuous Playback

The REV MODE button (on the unit) enables you to select the different play modes.

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

Fast Forward/Rewinding

- 1 You can forward or rewind the tape by pressing **▶▶** or **◀◀** respectively.
- 2 Press **STOP** to stop forwarding or rewinding.

Note :

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

Recording from other sources

- 1 Press **SOURCE** to select TUNER or AUX.
- 2 Load a cassette in **DECK**.
- 3 Press **DOLBY B NR** if you wish to record in Dolby NR system.
- 4 Press **REV MODE** to select the play mode (**I** or **D**).
- 5 Press **SIDE** to select the side of the tape to start.
- 6 Press **REC PREPARE** on **DECK** to prepare recording.
 - "RECORD" appears on the display.
- 7 Press **PLAY** to start recording.
- 8 Press **STOP** on **DECK** to stop recording.

Note :

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

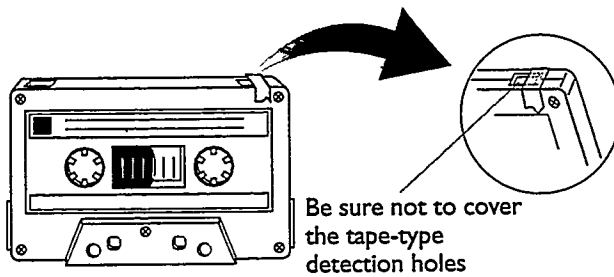
Caution:

During recording, DOLBY B NR should not be changed.

Cassette Deck


General Information

- For recording, use only cassette of IEC type I (normal cassette) or IEC type II (Chrome). The respective cassette type is selected automatically.
- The tape in the cassette is secured at both ends with leader tape. At the beginning and end of cassette, nothing will be recorded for six to seven seconds.
- 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 hole with plastic tape. Do not cover the CrO₂ tape detection hole when covering the tab opening.



- 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).

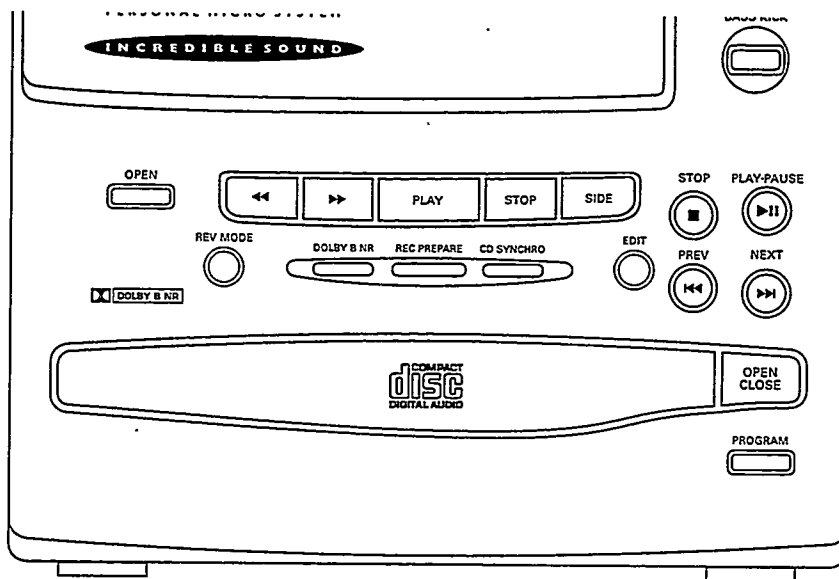
Dolby Noise Reduction (NR) System

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.

Compact Disc

English



Warning!

- 1) This set is designed for conventional CDs. Do not use any accessories like disc stabilizer rings or CD treatment sheets, etc. as offered on the market, as these may cause malfunction of the CD mechanism.
- 2) Do not load more than 1 disc into the tray.

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

Loading a Disc

- 1 Press **SOURCE** to select CD.
- 2 Press **OPEN/CLOSE**.
→ Disc tray opens;
- 3 Load a disc with *printed side up*.
- 4 Press **OPEN/CLOSE**.
→ The total number of tracks and playing time appear on the display.

Playing a Disc

- 1 Press **PLAY•PAUSE** ►|| (or **PLAY** ► on the remote control) to start play.
→ The track number and elapsed playing time of the current track appear on the display.
- To interrupt play, press **PLAY•PAUSE** ►|| (or **PAUSE** || on the remote control).
→ "PAUSE" appears on the display.
- To resume play, press **PLAY•PAUSE** ►|| again (or **PLAY** ► on the remote control).
- 2 To stop play, press **STOP** ■ (or **STOP** ■ on the remote control).

Searching for a particular track or passage

Searching for a particular track

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

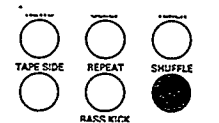
Searching for a particular passage

- 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 when **PREV** ◀◀ or **NEXT** ▶▶ is released.

Shuffle (on remote control only!)

SHUFFLE – playing all the tracks in the disc in random order. It can also be used during program mode.

- 1 Press **SHUFFLE** on the remote control
→ "SHUFFLE", the track selected at random appear on the display and starts playing.



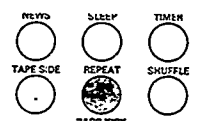
- Press **STOP** ■ to stop the playing.
- 2 Press **SHUFFLE** again to resume normal play.

Repeat (on the remote control only!)

REPEAT – repeat playing the entire disc or a particular track.

When the CD is playing;

- 1 Press **REPEAT** to toggle the different modes.
REPEAT 1 – repeat playing the current track.
REPEAT – repeat playing the entire disc.
- 2 To cancel Repeat Play, press **REPEAT** or **STOP** or **OPEN/CLOSE** on the remote control until "REPEAT 1" or "REPEAT" disappears.



Compact Disc

Programming Tracks

Programming tracks of the loaded CD is possible in stop or play mode of the CD. Reviewing of program is also possible in these modes. The display will indicate the total tracks stored of the programmed disc. Up to 25 tracks can be stored in the memory in any order. When 25 tracks have been stored, display will show "FULL".

- 1 Insert a CD with its printed side up in the CD tray.
- 2 Press **◀ PREV** or **NEXT ▶** to select the desired track.
- 3 Press **PROGRAM** to store the track.
 - Repeat steps 2 and 3 to store other tracks.

Playing the program

- Press **PLAY•PAUSE** to start program play.
 - The track number and elapsed playing time of the current track appear on the display.

Reviewing the program

- Press **PROGRAM** for about two seconds.
 - All the stored track numbers in the pre selected order will appear successively on the display.

Erasing the program (in the stop position)

- Press **STOP ■** or **OPEN/CLOSE**.
 - "CLEAR" appears on the display.
 - "PROGRAM" disappears from the display.

Note :

Program is also erased when the set is switched off.

CD Synchro Start Recording

During CD recording,

- it is not possible to listen to another sound source.

CD Synchro-start Recording

One touch dubbing is possible with the **CD SYNCHRO** button.

- 1 Insert a CD with its printed side up in the CD tray.
- 2 Insert a blank cassette (full spool to the left) into **DECK**.
 - If desired, you can make a program from the disc in the order you want them to be recorded (see Programming Tracks).
- 3 Press **REV MODE** to select the playback mode (**⏮** or **⏭**).
- 4 Press **SIDE** to select the front side of the tape.
- 5 Press **CD SYNCHRO** for more than 1 second to start recording.
 - "RECORD" appears on the display.
 - CD starts playing after a seven-second delay to prevent recording on the transparent portion at the beginning of the tape.
- 6 Press CD and cassette **STOP ■** to stop recording.

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 a 4 second pause in between tracks.

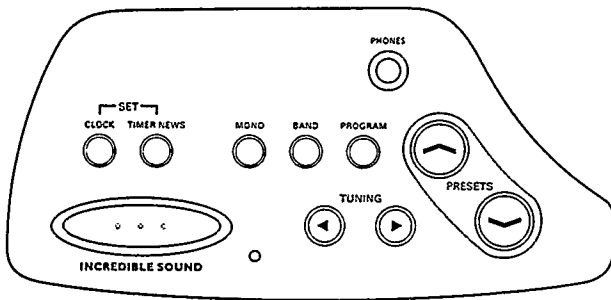
Using EDIT function

- Press **SIDE** on tape deck to select the direction for recording.
- Press **EDIT**.
 - The display shows C60 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 **CD SYNCHRO** for more than 1 sec to start CD dubbing.
 - CD will pause at the beginning of the first track to be recorded on side A of the tape.
- Press **PROGRAM** for at least 2 seconds 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 seconds 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.

Clock Setting/Timer



Clock Setting

Setting the clock

The clock is displayed in military time.

For examples 13:00 = 1 P.M. and 00:00 = 12 A.M.

- 1 Press **CLOCK** once.
→ The hour digit starts flashing.
- 2 Set the hour with **PRESETS** ^ or v.
- 3 Press **TUNING** ◀ or ▶ once.
→ The minute digit starts flashing.
- 4 Set the minute with **PRESETS** ^ or v.
- 5 Press **CLOCK** again to store the setting.
→ The clock starts running.

Note:

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

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.
- The timer works only once for each setting.

Timer Setting

- 1 Press **TIMER•NEWS**.
→ "TIMER" will appear on the display and Timer segment will flash.
- 2 Press **PRESETS** ^ or v.
→ The display will switch as follows:
TIMER ↔ NEWS
- 3 Press **TIMER•NEWS** to confirm the TIMER selection.
- 4 Press **PRESETS** ^ or v.
→ The display will switch as follows:
TUNER → CD → TAPE → REC TU (Record Tuner) → BUZZER → TUNER
- 5 Press **TIMER•NEWS** to confirm your selection.

To select TUNER

- 1 If you select TUNER, press **PRESETS** ^ or v to select a preset station.
→ The display will show the selected preset station and frequency.

- 2 Press **TIMER•NEWS** to confirm the station selected.
→ The "START" segment lights up and "00:00" flashes on the display.
- 3 Press **PRESETS** ^ or v to set the hour.
- 4 Press **TUNING** ◀ or ▶ to select minutes setting.
- 5 Press **PRESETS** ^ or v to set the minutes.
- 6 Press **TIMER•NEWS** to store the start time.
→ The TIMER is now activated.
→ The "TIMER" segment remains lit up.

To select RECORD TUNER

- 1 If you select RECORD TUNER, press **PRESETS** ^ or v to select a preset station.
→ The display will show the selected preset station and frequency.
- 2 Press **TIMER•NEWS** to confirm the station selected.
→ The "START" mode displays briefly and then follows by timer set.
- 3 Press **PRESETS** ^ or v to set the hour for the start time.
- 4 Press **TUNING** ◀ or ▶ to select minutes setting.
- 5 Press **PRESETS** ^ or v to set the minutes.
- 6 Press **TIMER•NEWS** to store the start time.
→ The "STOP" segment lights up and then follows by the timer set.
- 7 Press **PRESETS** ^ or v to set the hour for the stop time.
- 8 Press **TUNING** ◀ or ▶ to select minutes setting.
- 9 Press **PRESETS** ^ or v to set the minutes.
- 10 Press **TIMER•NEWS** to store the stop time.
→ The TIMER is now activated.
→ The "TIMER" segment remains lit up.

To select TAPE, CD or BUZZER

- 1 If you select TAPE, CD or BUZZER
→ The "START" mode displays briefly and then follows by timer set.
→ If you select TAPE, it will start play from 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.
- 2 Press **PRESETS** ^ or v to set the hour for the start time.
- 3 Press **TUNING** ◀ or ▶ to select minutes setting.
- 4 Press **PRESETS** ^ or v to set the minutes.
- 5 Press **TIMER•NEWS** to store the start time.
→ The TIMER is now activated.
→ The "TIMER" segment remains lit up.

To stop the TIMER

- Press **TIMER** on Remote Control.
→ The TIMER is now switch off.

To start the TIMER again

- Press **TIMER** on Remote Control.
→ The display will now show the last set start and stop time of the TIMER and its flag.
→ The "TIMER" segment remains lit up.

News Setting

- 1 Press **TIMER•NEWS**.
→ "TIMER" will appear on the display and Timer flag will flash.
- 2 Press **PRESETS** \wedge or \vee to select NEWS.
→ "NEWS" will appear.
- 3 Press **TIMER•NEWS** to confirm the NEWS selection.
→ The "NEWS" flag will flash.
- 4 Press **PRESETS** \wedge or \vee to select a preset station.
→ The display will show the selected preset station and frequency.
- 5 Press **TIMER•NEWS** to confirm the station selected.
→ The "START" mode displays briefly and follows by the minute timer set. The NEWS feature will start when it is activated every hour automatically (e.g. 13:00, 14:00, 15:00 ...).
- 6 Press **PRESETS** \wedge or \vee to select the minutes setting.
→ If you have selected 5 minutes. The start time on every hour will become 13:05, or 14:05 or 15:05 ...
- 7 Press **TIMER•NEWS** to store this news-start time.
→ The "STOP" displays briefly and then follows by the minute timer set.
- 8 Press **PRESETS** \wedge or \vee to select the stop time of the news programme (e.g. 13:10, or 14:10, or 15:10 ...).
→ The NEWS feature will stop after the time duration is up.
- 9 Press **TIMER•NEWS** to store this news-stop time.
→ The NEWS function is now activated.
→ The "NEWS" flag remains on screen.

Note:

- After the news time is over, the NEWS function is switched off and has to be started again if the news is to be switched on the next hour.

To stop the NEWS

- Press **NEWS** on the remote control.
- NEWS is now switch off.

To start the NEWS again

- Press **NEWS** on the remote control.
- The display will shows the next news start time.
- The "NEWS" flag remains on screen.

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 on the remote control to cancel the alarm.

Repeat Alarm (Snooze)

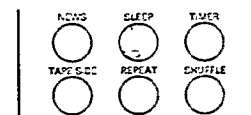
Switch off the alarm temporarily from buzzer in standby mode.

- 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).

Maintenance

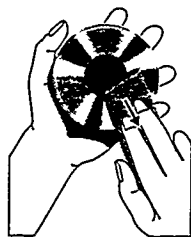
Maintenance

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

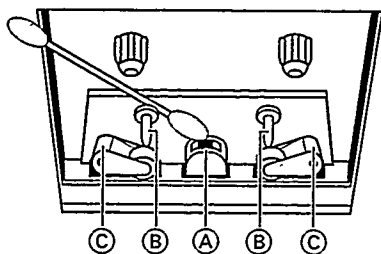
- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out.



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

Cleaning the Heads and the Tape Paths

- To ensure good recording and playback quality, clean the head (A), the capstans (B) and pressure rollers (C) after every 50 hours of operation.



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

Demagnetizing of heads

- Use a demagnetizing cassette available at your dealer.

Specifications

English

Specifications

AMPLIFIER

Output power:	2 x 45W RMS
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 - 15000 Hz (±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:	
CrO ₂ tape (type II):	80 - 15000 Hz (±5 dB)
Normal tape (type I):	80 - 14000 Hz (±5 dB)
Signal-to-noise ratio (without Dolby NR):	
CrO ₂ 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 (mm)
Weight with speakers:	11 kg approx.
Weight without speakers:	6 kg approx.

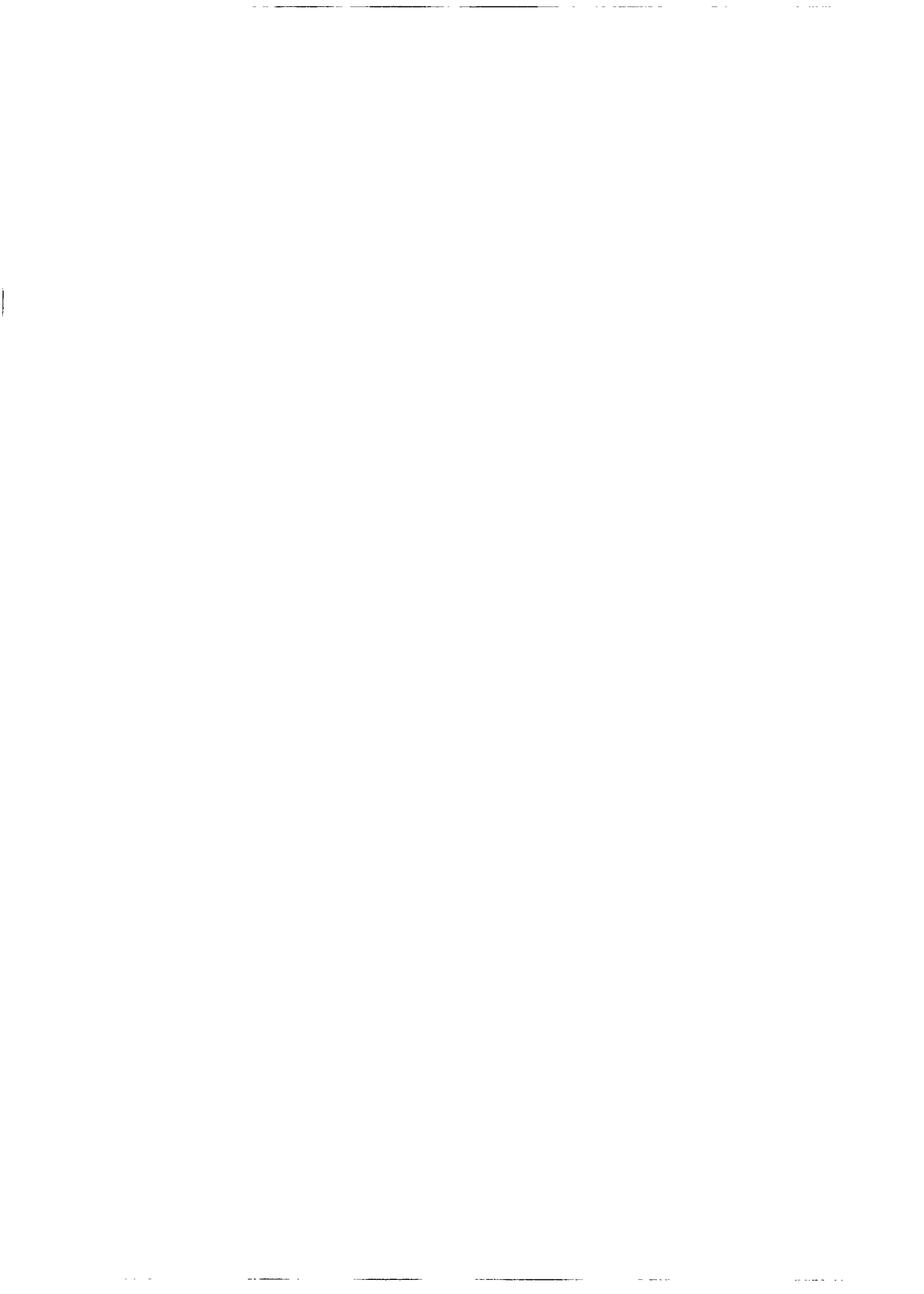
Subject to modification

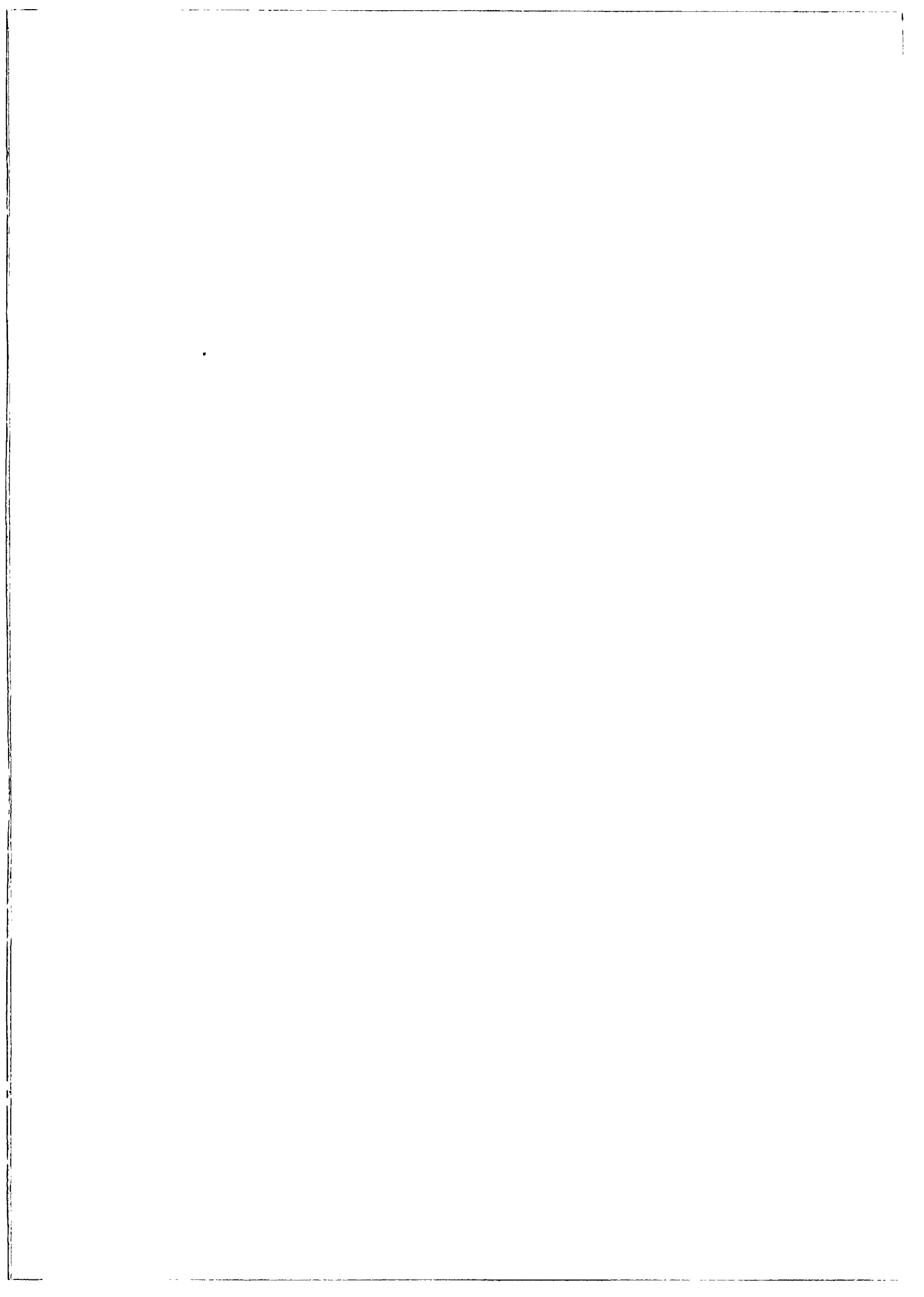
Trouble Shooting Guide

Warning! Under no circumstances should you try to repair the set yourself, as this will invalidate the guarantee.

- If a fault occurs, first check the points listed below before taking the set for repair.
- Should any problems persist after you have made these checks, consult your nearest dealer or service centre.

Symptom	Cause	Remedy
Radio Reception		
The STEREO indicator flashes	The signal strength is too weak.	Adjust the antenna.
Severe hum or noise	The signal strength is too weak. The TV or VCR is too close to the stereo system.	Adjust the antenna. Separate the stereo system from the TV or VCR. Connect the external antenna for better reception.
Interference noise during FM stereo	The signal strength is too weak.	Press MONO to receive the reception in MONO.
Cassette Deck Operation		
Recording is not possible	No cassette in the cassette deck. The small tab has been broken	Insert a blank cassette into the cassette deck. This can be reversed with a piece of adhesive tape.
Recording or playback cannot be made or there is a decrease in audio level	Dirty tape heads. Magnetic build-up in the record/playback head	See section on cassette deck maintenance. Use demagnetizing cassette
Excessive wow or flutter, or sound drop-out	Contamination of the capstans or pinch rollers.	See section on cassette deck maintenance.
CD Player Operation		
"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.	Place CD with printed side up. Wait until lens has acclimatized. Insert a CD. Replace or clean CD.
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 or poor sound.	Volume is not turned up. The headphones are connected. Speakers are wrongly or not connected.	Press VOLUME \curvearrowright . Disconnect them. Check that the speakers are connected. Make sure that the blank wire is clamped.
Reversed left and right sound.	Speakers are wrongly connected.	Check the speaker connections and speaker location.
Lack of bass sound or apparently imprecise physical location of musical instruments	Speakers are wrongly connected.	Check the speaker connection for proper phasing, red/black wires to red/black terminals.
Clock blinking	Clock shows power "OFF" time which happened more than half an hour ago.	Reset the clock.
Remote control has no effect on the set	The distance to the system is too large. Batteries are incorrectly inserted. Batteries are exhausted. Wrong sound source is selected.	Reduce the distance. Insert the batteries correctly. Replace the batteries. Select the sound source before pressing the functional button.
Timer not working	Timer not on. Dubbing/recording is active.	Press TIMER on the remote control to switch on.
"CHECK SPEAKER" is displayed	Unsuited speakers are used.	Use recommended speakers, impedance 6 Ω . Check the speaker connections for short circuits.





FW 18

