COMPACT DISC STEREO MUSIC SYSTEM

Owner's Manual

MODELS : FFH-216A/AX/AD
FE-216E

Please read this manual carefully before operating your set.
Retain it for future reference.

Designs and specifications are subject to change without notice for improvement.

(for CE Region)

P/NO.:3828SXD022C

ENGLISH



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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

Explanation Graphical Symbols:



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage wihin the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and mainten ance(servicing) instructions in the literature accompanying the appliance.

WARNING:
TO REDUCE THE RISK OF FIRE OF ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
To avoid electrical shock, do not open the cabinet, Refer servicing to qualified personnel only.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

(FOR THE CUSTOMERS IN EUROPE)
If this product is marked with the CE-symbol, it means which is conformed to EMC regulation 89/336/EEC.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

CAUTION:INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

VARNING:OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD STRÅLEN ÄR FARLIG.

Attention: Quand l'appareil est ouvert, ne pas s'exposer aux radiations invisibles du faisceau laser.

This label is located on the interior.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT
CLASSE 1	PRODUIT LASER

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the exterior.

(FOR CUSTOMERS IN CANADA)
CAUTION:
TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES CAN BE PULLY INSERTED TO PREVENT BLADE EXPOSURE.
This class B digital apparatus meets all requirements of the canadian Interference-Causing Equipment Regulations.

WARNING:
SHOCK HAZARD - DO NOT OPEN

MISE EN GARDE:
Pour éviter les chocs électriques, n'utilisez pas cette fiche (polariesée) avec une rallonge, un réceptacle ou une autre prise si vous ne pouvez pas y insérer les brouches à fond.

MISE EN GARDE
Cet appareil numérique de la classe B respecte toutes les exigences de Règlement sur le matériel brouilleur de Canada.

AVERTISSEMENT
RISQUE DE CHOC ELECTRIQUENE-PAS OUVRIR
(FOR CUSTOMERS IN THE UNITED STATES OF AMERICA)

Note to CATV system Installer:
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

NOTE:
The interference potential to the device.
This equipment generates and uses radio frequency energy and if not installed and used properly, that is in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in subparts J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residental installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user in encouraged to try to correct the interference by one of more or the following measures:
- Recorients or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

(FOR CUSTOMERS IN THE UNITED KINGDOM)
WIRING INSTRUCTIONS

This appliance is supplied with a BS1363 approved 3 amp fused mains plug. When replacing the fuse always use a 3 amp BS1362 approved type. Never use this plug with the fuse cover omitted. To obtain a replacement fuse cover contact your supplying dealer or "LG ELECTRONICS U.K.LTD"
If the mains sockets in your home differ, or are not suitable for the type of plug supplied, then the plug should be removed and a suitable type fitted. Please refer to the wiring instructions below:

Warning: The mains plug severed from the mains lead of this appliance must be destroyed. A mains plug with bared wires is hazardous if engaged in a mains output line socket.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following codes:

Blue	:	Neutral
Brown	:	Live

As the colour of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the teminals in your plug, procced as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
If a 13 amp BS1363 plug or any other type of plug is used, 3 amp BS1362 approved fuse must be fitted either in the plug or at the distribution board.

Warning: Do not connect either wire to the earth pin, marked with the letter E or with the earth symbol ⏚ or coloured green or green and yellow.

IMPORTANT SAFETY INSTRCTIONS ⚠⚠

FOR CUSTOMERS IN THE UNITED STATES

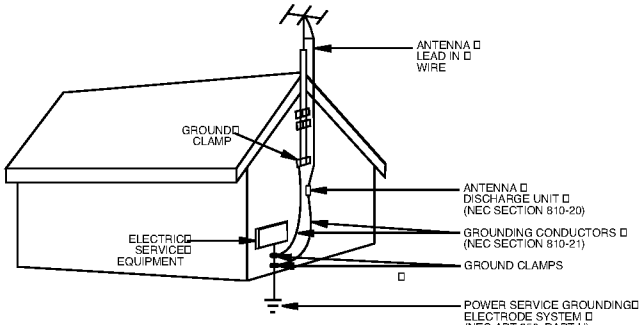
CAUTION:

- Read all of these instructions.
- Save these instructions for later use.
- Follow all warnings and instructions maked on the audio equipment.

- Read instructions - All the safety and operating instructions should be read before the product is operated.
- Retain instructions - The safety and operating instructions should be retained for future reference.
- Heed Warnings - All warnings on the product and in the operatiog instructions should be followed.
- Follow instructions - All operating and use instructions should be followed.
- Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- Water and Moisture - Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- Accessories - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a stand, tripod, bracket, or table recommended by the manufactur or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
- A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



- Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface.
  This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manu-facturer's instructions have been followed.
- Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- Power-Cord Protection - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
- Protective Attachment Plug - The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or restting or protective device. If replacement of the plug is required, be sure the service technician has used a replacement play specified by the manufacturer that has the same overload protection as the original plug.
- Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

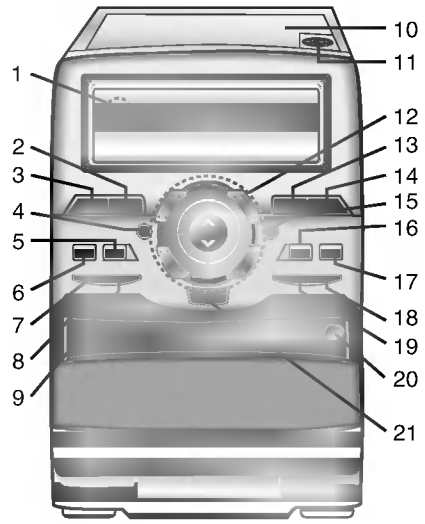


NEC-NATIONAL ELECTRICAL CODE

- Outdoor Antenna Grounding - If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges.
- Article 810 of the National Electrical Code, ANSI/NFPA 70 proviedes information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
- Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.
- Object and Liquid Entry - Never push objects of any kind into this poroduct through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  a) When the power-supply cord or plug is damaged.
  b) If liquid has been spilled, or objects have fallen into the product.
  c) If the product has been exposed to rain or water.
  d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
  e) If the product has been dropped or damaged in any way.
  f) When the product exhibits a distinct change in performance, this indicates a need for service.
- Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- Wall or Ceiling Mounting - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
- Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

CONTROL LOCATIONS

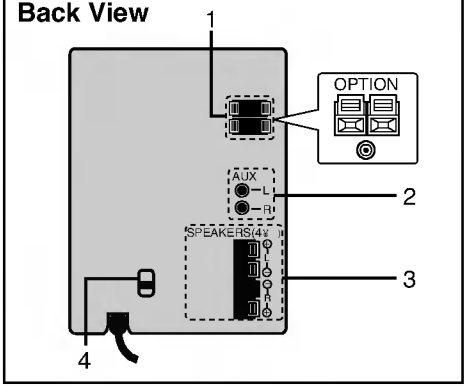
Front View



Front View

1. REMOTE SENSOR LENS
2. ⏲ TIMER BUTTON
3. CLOCK BUTTON
4. ●/II = RECORD/RECORD PAUSE BUTTON(TAPE)
5. SET(CLOCK/TIMER)/MEMORY (TUNER)/PROGRAM(CD) BUTTON
6. POWER/STAND BY BUTTON
7. EQ PATTERN BUTTON
   PLAY MODE(⇄ , ⇄),(↻)) BUTTON (OPTIONAL)
8. HEADPHONE SOCKET(🎧 (3.5mm)
9. UBB/HI-TONE BUTTON
10. CD DOOR
11. CD DOOR EJECT ⏏ BUTTON
12. ⏮◀◀/▶▶⏭ =
    TUNING /TIME DOWN/UP BUTTONS (RADIO/CLOCK)
    SKIP/SEARCH BUTTONS(CD)
    REWIND/FAST FORWARD BUTTONS (TAPE)
    ◀/▶=TAPE PLAY DIRECTION BUTTONS (◀:OPTIONAL)
    PRESET DOWN/UP BUTTONS(RADIO)
    CD PLAY BUTTON(▶)
    VOLUME UP/DOWN (∧/∨) BUTTONS
13. TUNER/BAND BUTTON
14. FUNCTION SELECTION BUTTON (TUNER/CD/TAPE/AUX)
15. II=STOP/CLEAR BUTTON(CD)
    STOP BUTTON(TAPE)
16. RDS BUTTON(OPTIONAL)
    CD PAUSE BUTTON
17. CD SYNCHRO RECORDING BUTTON
18. FM MODE/RIF(Radio Inerference Filter) BUTTON
19. TAPE COUNTER RESET BUTTON
20. TAPE DOOR EJECT POSITION (⏏)
21. MDSS BUTTON

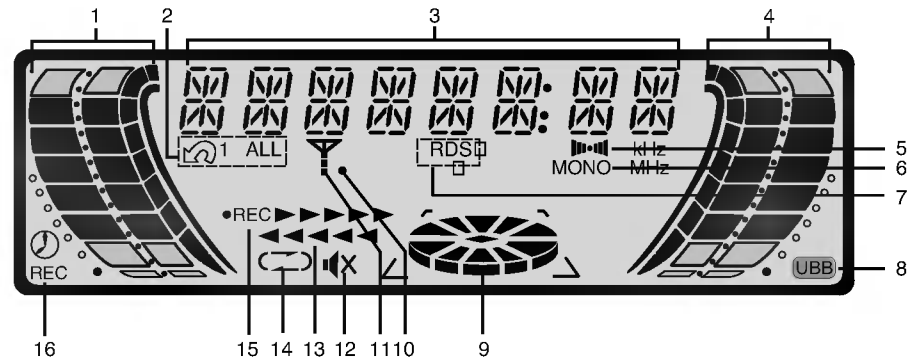
Back View



Back View

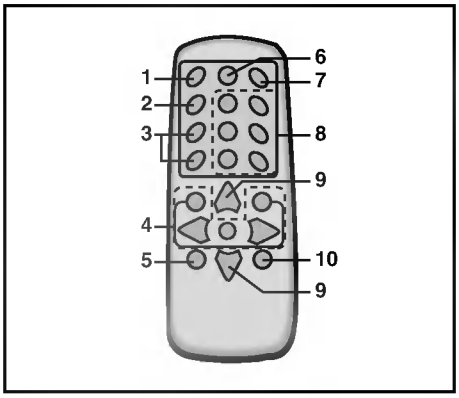
1. ANTENNA(AERIAL) CONNECTION TERMINALS
2. AUXILIARY INPUT SOCKETS
   Connect the audio output RCA (phono) type left/right plugs from your stereo TV or VCR or another Tape deck to the AUX sockets on the back of the unit.
3. SPEAKER CONNECTION TERMINALS
4. VOLTAGE SELECTOR (OPTIONAL)

DISPLAY

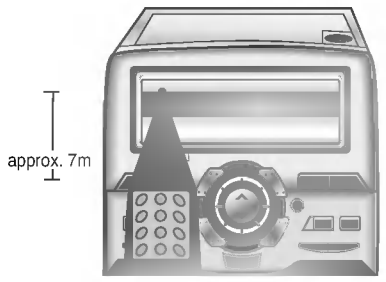


1. LEVEL indicator
2. CD REPEAT indicator
3. FUNCTION, VOLUME LEVEL, CLOCK, FREQUENCY, TAPE COUNTER, CD PLAYING TIME, MDSS, EQ PATTERN display
4. LEVEL indicator
5. FM STEREO indicator
6. FM MONO indicator
7. RDS indicator (OPTIONAL)
8. UBB indicator
9. DISC entered indicator
10. R.I.F indicator
11. AUTO TUNE RECEIVING indicator
12. MUTE indicator
13. TAPE DIRECTION indicator
14. PLAY MODE (,),( )) indicator
15. RECORD/ RECORD PAUSE indicator
16. TIMER indicator

REMOTE CONTROL

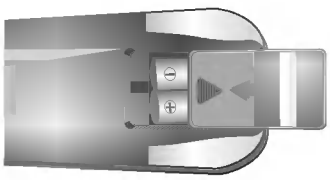


1. **POWER button**
2. **BAND(TUNER) button**
3. **PRESET UP(∧)/DOWN(∨) buttons**
4. **CD FUNCTION buttons**
   REPEAT button
   PLAY/❚❚ (PAUSE) button
   ⏮(◀◀) or ▶▶⏭(▶▶)
   = SKIP/SEARCH buttons
   ■= STOP/CLEAR button
5. **EQ. pattern button**
6. **AUX button**
7. **SLEEP button**
8. **DECK FUNCTION buttons**
   ▶/◀ = PLAY DIRECTION buttons
   (◀ : optional)
   ▶▶/◀◀ = Fast Forward/Rewind buttons
   ■ = STOP button
   ●/❚❚ = RECORD/RECORD PAUSE button
9. **VOLUME UP(+)/DOWN(-) buttons**
10. **MUTE button**



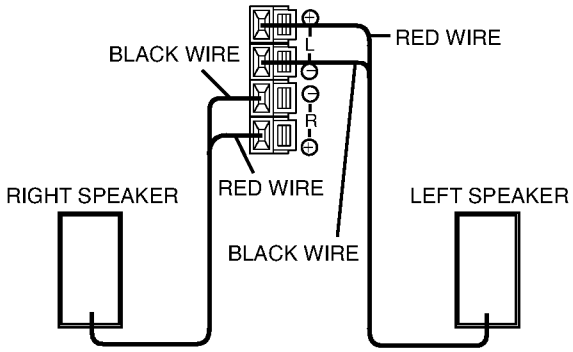
Range
The remote control device is designed for the range shown in the illustration above.

NOTE:
Strong light or obstacles between the remote control device and the stereo system may interfere with the functioning of the remote control.



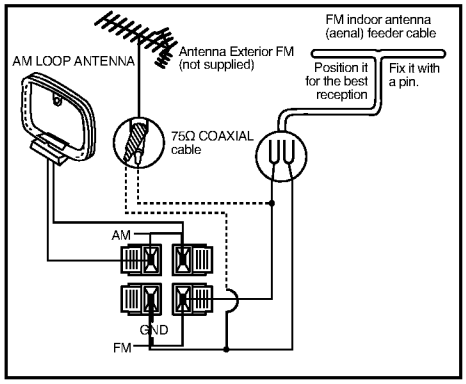
Notes on Batteries
- Your remote control comes with batteries. Use two "AAA(UM-4, IEC R03)" type high quality batteries.
- When the remote control fails to operate accurately at maximum distance from the unit, replace the worn out betteries with new ones.
- Install two "AAA" type batteries, observing correct battery polarity (⊕ and ⊖)
- Do not use different types of batteries together, or an old one with a new one.
- When you are not going to use the unit for a long time, remove the batteries to prevent possible electrolyte leakage.

CONNECTING THE SPEAKERS

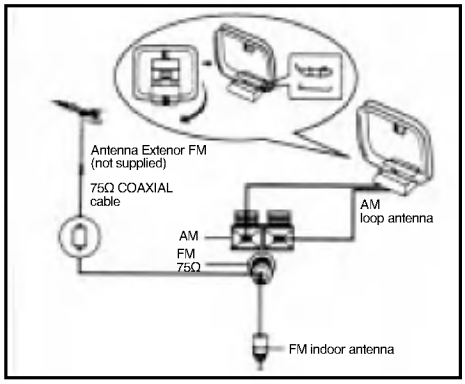


ANTENNA CONNECTIONS

● OPTION AREA



● OPTION AREA



SETTING THE CLOCK

1. Press the CLOCK button. (If the clock is already set, press and hold the CLOCK button for more than 2 seconds.) - The hours begin to blink
2. Select a 24 hour cycle or 12 hour cycle by using the TUNING/TIME DOWN/UP buttons.



(12HR) or


(24HR)

3. Press the SET/MEMORY/PROGRAM button to confirm the selected hour cycle.
4. Use the TUNING/TIME DOWN/UP buttons to set the correct hours.
5. Press the SET/MEMORY/PROGRAM button.
6. Use the TUNING/TIME DOWN/UP buttons to set the correct minutes.
7. Press the SET/MEMORY/PROGRAM and the correct time is shown on the display.
8. Press the CLOCK button at any time to display the time for about 3 seconds.

NOTES

- DIMMER FUNCTION
  In power off mode, the display will darken.

AUDIO ADJUSTMENT

■ **Volume Adjustment**
Press VOLUME ∧ button to increase the sound level, or press VOLUME ∨ button to decrease it. (Or press VOL. UP(+) or VOL. DOWN(-) on the remote control)

■ **Sound Quality Adjustment**

▶ **To activate stereo sound**
You can choose between 4 fixed sound impressions:
select a desired sound mode by using the EQ. PATTERN button.

FLAT	: linear frequency response
ROCK	: more bass, more treble
POP	: less bass, less treble
CLASSIC	: for orchestral music

▶ **Headphone Socket.**
Connect a stereo headphone plug(3.5mm) into the headphone socket.
The speakere are automatically disconnected when you plug in the headphones (not supplied).

■ **MUTE button(on remote control)**
Press this button to mute your unit.
You can mute your unit in order, for example, to answer the telephone.
the indicator appears on the display.

■ **MDSS(Multi Dynamic Sound System)**
Press the MDSS button to reinforce treble(Hi-Tone), bass(UBB: Ultra Bass Booster), and surround effect.
The MDSS indicator lights up.
To cancel it press the MDSS button again.

■ **To reinforce bass and treble**
Press the UBB/HI-TONE button to set the UBB/HI-TONE mode.
Each time UBB/HI-TONE button is pressed change as follows:

¤MUBB ON¤MUBB OFF¤MHI-TONE ON¤MHI-TONE OFF

AUXILIARY FUNCTION

1. Connect an auxiliary device i.e. TV or VCR, via the rear mounted AUX phono sockets.
2. Press the "AUX" function button.

Note:
You can also record from the auxiliary input source, see Cassette Deck Function Section.

TUNER FUNCTIONS

To listen to the Radio

1. Press the BAND(TUNER/BAND) button to select a desired waveband. (AM or FM/FM, MW or LW)
2. ① To tune to the desired station with automatic tuning, keep TUNING/TIME DOWN/UP button depressed for more than 1 second.
   ② To tune to the desired station with manual tuning, press the TUNING/TIME DOWN/UP button within 1 second repeatedly.
3. When listening to FM stations press the MODE/RIF button for FM stereo reception.
   will appear in the display.
   When a weak FM station is being received-press the MODE/RIF button so that is cleared from the display.

NOTE:
MODE/RIF (Radio Interference Filter) button
Use this button to switch to mono reception if stereo reception is distorted by noise.
When recording the MW(AM) or LW broadcast, if beat noises occurs, press this button once.

Presetting the stations

1. To clear any programme previously stored in any memory.
① Press the SET/MEMORY/PROGRAM button for more than 2 seconds in TUNER mode so that CLEAR flashes in the display.
② Press the SET/MEMORY/PROGRAM button while CLEAR is flashing in the display.

2. To memorise the stations in order
① Press the BAND(TUNER/BAND) button to select a desired waveband.
② Press the TUNING/TIME DOWN/UP button to select a desired station.
③ Press the SET/MEMORY/PROGRAM button.
MEMORY appears and preset number flashes.
④ Press the SET/MEMORY/PROGRAM button again while preset number is flashing.
⑤ Repeat step ① to② to memorise up to 30 stations.

3. To memorise in selection channel number.
① Select a desired station.
② Press the SET/MEMORY/PROGRAM button
Select a desired channel number by pressing the
③ PRESET (◀/▶) button while the preset number is flashing.
④ Press the SET/MEMORY/PROGRAM button again before the channel number stops flashing.

4. To memorise in adding channel number.
① Select a desired station.
② Press the SET/MEMORY/PROGRAM button
③ Press the SET/MEMORY/PROGRAM button again while the channel number is flashing.

TUNER FUNCTIONS

5. To recall presets
Press and hold the PRESET (◀/▶) button until the desired preset number appears or press it repeatedly.

● **RDS(Radio Date System) Reception(OPTIONAL)**
What is RDS?
RDS(Radio Date System) is a system gradually being introduced on FM in many countries, where by an inaudible stream of data is transmitted in addition to the normal radio signal. This data contains various information including station/transmitter identification, traffic information and a list of alternative frequencies for the radio station being received.

Reception of RDS Stations
1. Press the TUNER/BAND button to select FM.
2. Select a desired station by pressing the TUNING/TIME DOWN/UP button.
3. When the RDS transmission is received, the display shows the program service name (PS) after RDS indicator appears.

Notes:
- RDS is only available for FM reception.
- The PS(PROGRAM SERVICE) NAME is displayed automatically when a RDS station is received.

To recall the frequency
Press the RDS button.

CD FUNCTIONS

To play a CD

1. Press the FUNCTION button repeatedly so that 'CD' appears on the display.
- If no disc is entered in the disc drawer, the No DISC indicator is displayed.

2. Load a disc by using the CD DOOR EJECT ▲ button.

3. To start play back
- Press the PLAY (▶) button on the system or PLAY/ ▮▮ (▶▮▮) button on the remote control.

4. To pause the play
- Press the RDS(OPTIONAL)/CD PAUSE button on the system or PLAY/ ▮▮ (▶▮▮) button on the remote control.

5. To resume the play
- Press the PLAY (▶) button, RDS(OPTIONAL) /CD PAUSE button on the system or PLAY/ ▮▮ (▶▮▮) button on the remote control.

6. To stop playback
- Press the STOP/CLEAR (■) button.

7. To specify a track to play
- Press the ⏮(◀◀) or ⏭(▶▶) button repeatedly during stop or play until your desired track number appears-play will start from that track number.

8. To play a desired location on CD.
- Hold down the ◀◀ or ▶▶ button during play or pause.
- When the button is held down, there will be continuous change (of position on the CD).

9. To repeat play
- Press the REPEAT button on the remote control.
- Once, one track will repeat(↶ 1).
- Twice, all tracks will repeat(↶ ALL).
- Three times, repeat mode is cancelled

10. Programme play (this cannot be set during playback).
- A maximum of 20 tracks can be programmed.
  ① Press the SET/MEMORY/PROGRAM button.
  ② Specify a track to play with the ⏮(◀◀) or ⏭(▶▶) button
  ③ Press the SET/MEMORY/PROGRAM button to store this track.
  ④ Repeat step ② to ③.
  The programmed tracks will be played repeatedly.
  ⑤ Press the PLAY (▶) button to play the tracks.
  ⑥ To check a programme sequence.
  During programmed play press the STOP/CLEAR(■) button, and then press the SET/MEMORY/PROGRAM button repeatedly.
  ⑦ To change an existing programme.
  a) During stop mode press the SET/MEMORY/PROGRAM button until the desired program position appears in the display.
  b) Select a new track using the ⏮(◀◀) or ⏭(▶▶) button.
  c) Press the SET/MEMORY/PROGRAM button to put the new track in position.
  ⑧ **To add a programme**
  If less than 20 programme positions are in memory, additional tracks may be added by following this procedure.
  a) During stop mode press the SET/MEMORY/PROGRAM button until "00" appears in the track number position on the display.
  While the track number "00" is flashing press the SET/MEMORY/PROGRAM button again, this is now changed to the CD normal play mode.
  b) Select the track to be added by using the ⏮(◀◀) or ⏭(▶▶) button.
  c) Press the SET/MEMORY/PROGRAM button twice.
  d) Repeat step b) to c).
  e) After the last(20th) track has been entered, press the SET/MEMORY/ PROGRAM button once only.
  ⑨ **To erase a programme sequence**
  - In the stop mode press the SET/ MEMORY/PROGRAM button, and then press the STOP/CLEAR (■) button.
  - In the programmed play mode press the STOP/CLEAR (■) button twice.
  - It is also erased if the CD drawer is opened.
  ⑩ If you press the STOP/CLEAR (■) button during programmed play, the PROGRAM indicator goes out in the display and the programmed playback is cancelled.
  At that time, if you wish to resume the programmed playback press the SET/MEMORY/PROGRAM button and press the PLAY(▶) button.

CASSETTE DECK FUNCTION

1. Tape play

① Press the FUNCTION button to enter the tape mode so that 'TAPE' appears on the display.
② Press the EJECT ▲ position to open the cassette door.
③ Insert a recorded cassette with the exposed tape side down.
④ Press the PLAY(or ◀ PLAY:OPTIONAL) button to begin tape playback.
⑤ To manually change the tape play directions, press the opposite PLAY button from the direction the tape is currently playing(optional)
⑥ To stop playback at any time press the STOP /CLEAR (■) button.

2. To select a play mode (reverse mode):OPTIONAL

Press the PLAY MODE(TAPE) button during tape function or recording from another function.

= forward or backward play once only
= forward and backward play once only
= forward and backward play for six times.

3. Tape counter reset function.

During tape stop or play press the COUNTER RESET button.

4. Recording from Radio, CD or auxiliary source.

NOTE : Use only normal tapes.

① Insert a blank tape into deck.
② Set to tape function by pressing the FUNCTION button. (And press the COUNTER RESET button to reset the tape counter)
③ Select a play mode by pressing the PLAY MODE (TAPE) button.(OPTIONAL)
- If you want to record forward(▶) or backward(◀) only set to .
- If you want to record from forward(▶) to backward(◀) set to or .

④ Select a function that you want to record and play.
⑤ Press the ●/▌▌(REC/PAUSE) button again. "●REC" blinks on the display.
⑥ Press the ●/▌▌(REC/PAUSE) button again to begin recording to the direction of PLAY (▶or◀: OPTIONAL) indicator or press the ▶ or ◀ (OPTIONAL) button to begin recording to the selected play direction.

5. CD to tape synchronized recording.

NOTE : Use only normal tapes.

① Load a disc.
② Insert a blank tape into deck.
③ Select a play mode by pressing the PLAY MODE(TAPE) button repeatedly.
In mode you can record forward(▶) only and in or mode you can record from forward(▶) to backward(◀). (OPTIONAL)
④ Press the FUNCTION button repeatedly to enter the CD mode so that 'CD' appears on the display.
Stop the CD if the CD is playing.
⑤ Press the CD SYNC. button to start recording.
The CD synchronized recording begins and stops automatically at the end.
When the tape is set to auto reverse backward(◀) the CD will restart the current track from the beginning.
- If you want to record certain titles only, programme these before commencing CD synchronized recording.
- If you want to record from the desired track,select the desired track with the ⏮(◀◀) or ⏭(▶▶)button before commencing CD synchronized recording.

SLEEP TIMER FUNCTION (remote control only)

1. **To select the time to turn off:**
Press the SLEEP button. (remote control only)
In the display you can see SLEEP and 90 for about 5 seconds. This means that the system tums off automatically after 90 minutes.
Each time the button is pressed the time interval before it tums off is reduced by 10 minutes. i.e. 80...70... etc.
Select the desired time to turn off.

2. **To check the time to turn off:**
While the sleep function is active press the SLEEP button briefly. The time remaining until it turns off is displayed for about 5 seconds.

NOTE:
If you press the SLEEP button while the sleep time is displayed, the SLEEP time is reset.

3. **To turn off the sleep function:**
If you wish to stop the function press the SLEEP button repeatedly until 10 appears, and then press the SLEEP button once again while 10 is displayed.

TIMER FUNCTION

With the TIMER function you can have the radio reception and recording, CD play, tape play or auxiliary source play and recording turned on and off at the time desired.

1. Check the current time.
2. Prese the ⏲ TIMER button to enter the timer setting mode. (If you want to correct the previous memorised TIMER, press and hold the ⏲ TIMER button for more than 2 seconds.)
   The previous memorised timer on time and the "⏲" appears in the display. Each function : TAPE-AUX-TUNER-CD flashes in the display in turn.
3. Press the SET/MEMORY/PROGRAM button when the desired function is flashing.
4. If you select the TUNER or AUX.
   "REC" and "PLAY" flash in the display alternately for about 3 seconds.
   Press the SET/MEMORY/PROGRAM button to confirm the desired operating mode.
   REC: TUNER or AUX recording and play
   PLAY: TUNER or AUX play only
   - If you have selected the CD or TAPE, ignore step 4.
5. When you have selected the TUNER;
   Select the previous memorised preset number with the TUNING/TIME DOWN/UP buttons and press the SET/MEMORY/PROGRAM button. The hour ON display flashes.
   - If you have selected the CD, TAPE or AUX, ignore step 5.
6. Set the hour to switch on by pressing the TUNING/TIME DOWN/UP buttons
7. Press the SET/MEMORY/PROGRAM button to confirm the hour to switch on. The minute ON display flashes.
8. Set the minute to switch on by pressing the TUNING/TIME DOWN/UP buttons.
9. Press the SET/MEMORY/PROGRAM button to confirm the minute to switch on. The hour OFF now flashes in the display.
10. Set the hour to switch off by pressing the TUNING/TIME DOWN/UP buttons.
11. Press the SET/MEMORY/PROGRAM button.
12. Set the minute to switch off by pressing the TUNING/TIME DOWN/UP buttons.
13. Press the SET/MEMORY/PROGRAM button.
14. Adjust the volume by pressing the TUNING/TIME DOWN/UP buttons.
15. Press the SET/MEMORY/PROGRAM button.
    ⏲ appears and the timer setting has been completed.
16. Switch the system off.
    The selected function is automatically switched on and off at the time set.
17. To cancel or check the timer.
    Each time the ⏲ TIMER button is pressed you can select the timer set or cancel. You can also check the timer setting status.
    To activate or check the timer, press the ⏲ TIMER button so that "⏲" lights up in the display.
    To cancel the TIMER, press the timer button so that "⏲" in the display disappears.

SPECIFICATIONS

- **AMP**
  Output Power(4Ω, 2ch,T.H.D 10%):
  10W+10W
  Frequency Response: 40~22,000Hz
- **FM** Tuning Range(optional):
  87.5~108 MHz or
  65~74MHz and 87.5~108MHz
  S/N Ratio(98 MHz): 60/55dB(Mono/Stereo)
- **AM(MW)** Tuning Range(optional):
  522~1,611kHz, 530~1,720 kHz
  or 530~1,610 kHz
  Usable Sensitivity: 56dB
- **DECK** S/N Ratio: 50dB
  Cross Talk: 55dB
  Channel Separation: 50dB
  Erase Ratio: 65dB.
- **CD**-Frequency Response: 40~20,000Hz
  S/N Ratio: 78dB
  T.H.D: 0.1%
- **Dimensions(WxHxD)**: 161x249x271 mm
- **Weight(net)**: 3.6 kg
- **Power Requirements**: Refer to the back panel of the system.
- **Speaker System**
  Impedance: 4Ω
  Rated Input Power: 10W
  Max Input Power: 20W
  Frequency Response: 90~20,000 Hz
  Dimensions(net): 148(W)x240(H)x183(D)mm
  Weight(net): 1.67 kg

NOTE:
Designs and specifications are subject to change without notice for improvement.