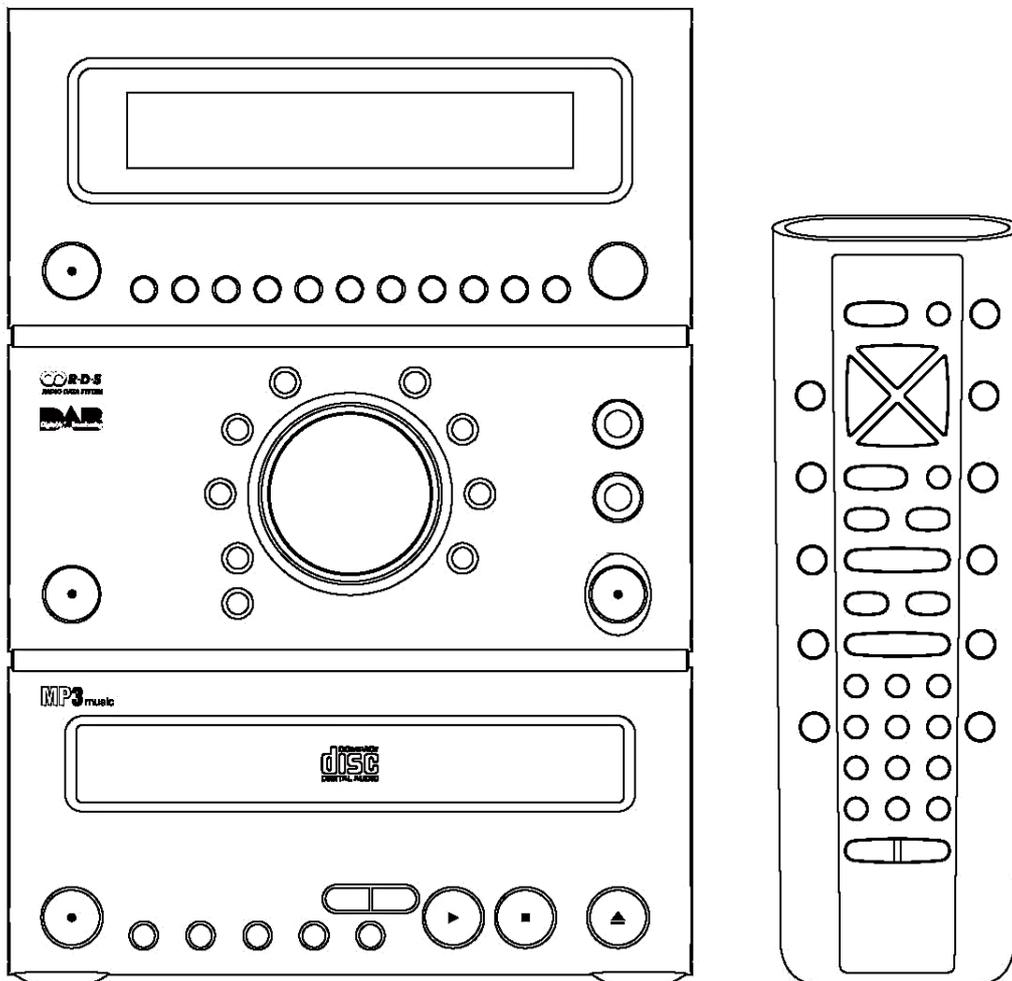# HITACHI

MINI HIFI AUDIO SYSTEM
WITH DAB TUNER RECEIVER SYSTEM
AXM75DAB

Instruction Manual

Before operating please read all these instructions thoroughly.

SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

****

DO read the operating instructions before you attempt to use the equipment.
DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between the pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug before making or changing connections.
DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.
DO be careful with glass panels or doors on equipment.
DO route the mains lead so that it is not likely to be walked on, crushed, chafed, or subjected to excessive wear and tear or heat.

****

DON'T remove any fixed cover as this may expose dangerous voltages.
DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.
DON'T allow electrical equipment to be exposed to dripping or splashing, or objects filled with liquids, such as vases, to be placed on the equipment.
DON'T place hot objects or naked flame sources such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.
DON'T use makeshift stands and **NEVER** fix legs with wood screws - to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.
DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.
DON'T listen to headphones at high volume, as such use can permanently damage your hearing.
DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a stand-by mode. Switch off using the switch on the equipment and make sure that your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.
DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

ABOVE ALL
- NEVER let anyone especially children push anything into holes, slots or any other opening in the case - this could result in a fatal electrical shock;

- NEVER guess or take chances with electrical equipment of any kind
- it is better to be safe than sorry!
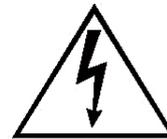***********

SAFETY PRECAUTIONS

WARNINGS
ATTENTION
To reduce the risk of
electric shock, do not
remove the cover.
There are no user
serviceable parts
inside the unit. Refer
all servicing to qualified
personnel.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

The lightening flash with arrowhead
symbol within the triangle is a warning
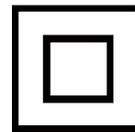sign alerting the user of "dangerous
voltage" inside the unit.

The exclamation point within the
triangle is a warning sign alerting the
user of important instructions
accompanying the products.

WARNING
To reduce the risk of fire or electric
shock, do not expose this appliance to
rain or moisture.

- Minimum distances around the apparatus for sufficient ventilations;

- The ventilation should not be impeded by covering the ventilation
  openings with items such as newspaper, table-cloths, curtains etc.

- No naked flame sources such as lighted candles should be placed
  on the apparatus;

- Attention should be drawn to the environmental aspects of battery
  disposal;

- The use of apparatus in tropical and/or moderate climates.

IMPORTANT

The mains lead on this equipment may be supplied with a moulded plug incorporating a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced, an ASTA or BS approved BS1362 fuse must be used of the same rating. If the fuse cover is detachable never use the plug with cover omitted. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. Fuse covers are available from your dealer.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

Should it be necessary to change the mains plug, this must be carried out by a competent person, preferably a qualified electrician.

If there is no alternative to cutting off the mains plug, ensure that you dispose of it immediately, having first removed the fuse, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:
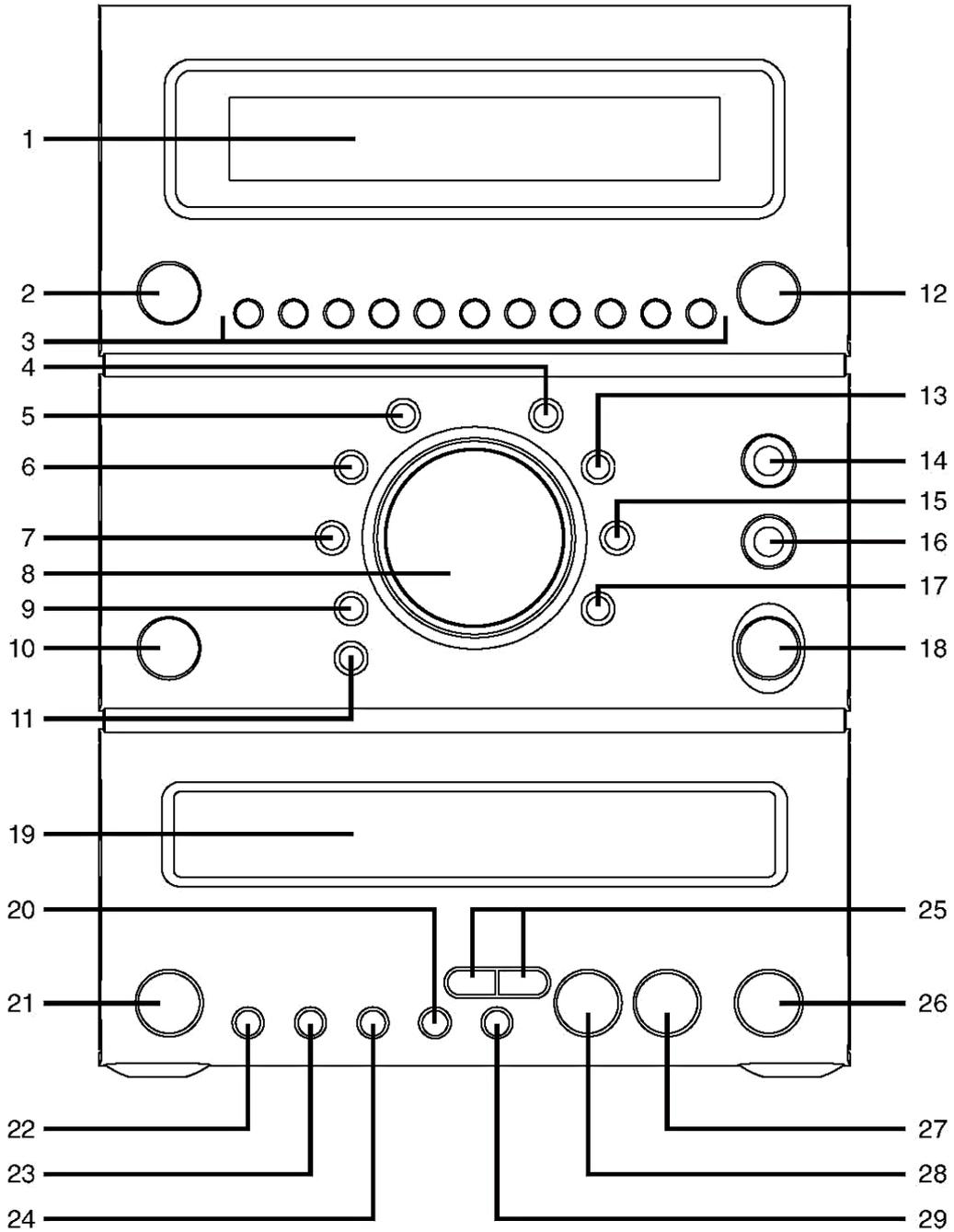
Blue   : NEUTRAL
Brown : LIVE

As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:

The wire coloured BLUE must be connected to the terminal marked with the letter **N** or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter **L** or coloured BROWN or RED.
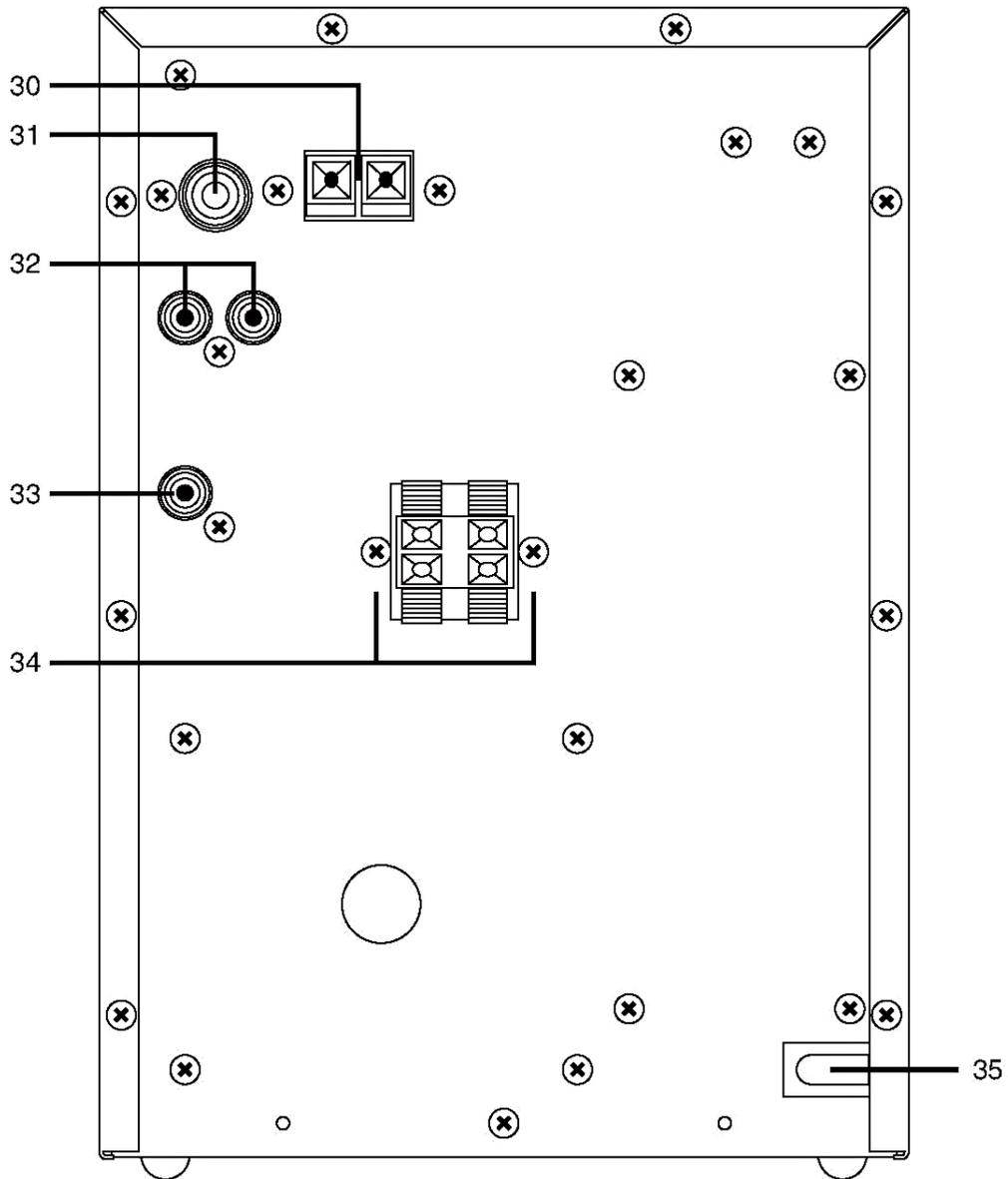
On no account connect either of these wires to the terminal marked E or by the earth symbol ⏚ or coloured green and yellow.

Alternatively, this equipment may be supplied with a rewireable plug already fitted, which may be removed if not suitable and an alternative fitted in accordance with the preceding instructions.
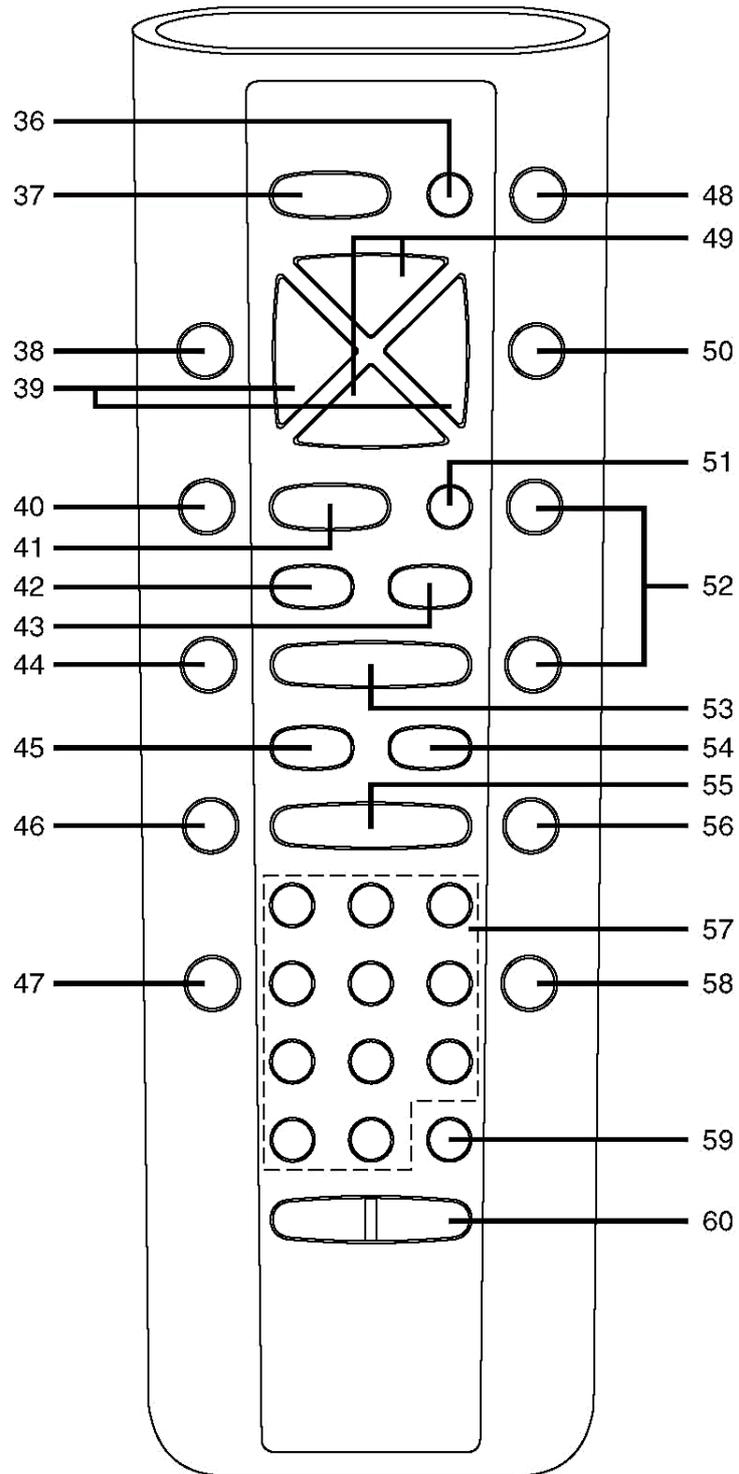
FRONT PANEL VIEW

REAR VIEW

30
31
32
33
34
35

BRIEF INSTRUCTION

Frontal view

1 MULTI-FUNCTION DISPLAY

indication unit for amplifier, tuner, and CD player.

2 DAB/FM · AM

key to select operating mode Tuner mode/for radio recordings DAB and FM, MW(AM) band selection.

3 0-9/+10

preset station memory pushbutton to save station/track selection.

4 VOLUME

to adjust volume.

5 MENU/STORE

to turn on DAB menu and tuner memory pushbutton.

6 MP3 INFO/RDS INFO

to display ID Tag of MP3 (Title, Artist & Album name) if available. to select displaying various R.D.S. information.

7 RDS PTY/SCROLL

to select displaying various R.D.S. information.

8 MULTI FUNCTION

function to change the values or adjustments of the function selected. In case no other function has been chosen, this control knob serves to adjust the volume.

9 DAB AUTO SEARCH

search DAB stations automatically.

10 AUX

key to select operating mode playback for a unitconnected to the jacks 32 "AUX".

11 FM/AM TUNING

manual/auto FM/AM stations search.

12 IR SENSOR

remote control receiver.

13 EQ/TONE

button to select preset EQ (ROCK/ POPS/JAZZ/DANCE/FLAT/ CUSTOM/TREBLE and BASS).

14 HEADPHONE 1

socket for connecting a headphone.

15 CLOCK

display clock, adjust clock and timer.

16 HEADPHONE 2

for connecting a second headphone.

17 SELECT/ALARM ON · OFF

select function at DAB mode and select alarm on/off at normal mode.

18 STANDBY

to switch the system from standby to operating state and off.

19 CD/MP3 CD-ROM transport drawer

20 INTRO

to play the beginning 10s of every track on the disc when playing CD.

21 CD

key to select operating mode playback of integrated CD player.

22 PAL/NTSC

to match the colour system of your television.

23 PROGRAM

CD/MP3 CD-ROM memory pushbutton.

24 REPEAT

repeat function/repeat of selected passage.

25 SKIP |◀/▶|

reverse/forward track selector. reverse/forward search.

BRIEF INSTRUCTION

26 OPEN CLOSE ▲

to open and close the CD/MP3
CD-ROM transport drawer.

27 STOP ■

to stop CD/MP3 CD-ROM playback.

28 PLAY ►

to start CD/MP3 CD-ROM playback.

29 PAUSE

to stop and restart CD/MP3 CD-ROM
playback.

Rear view

30 AM ANTENNA

antenna socket for AM loop
antenna.

31 DAB/FM ANTENNA

antenna socket for 75 Ohm
coaxial plug.

32 AUX

chinch jacks for external tape or
similar.

33 VIDEO OUT

socket to connecting cable to the
video input socket on the TV.

34 SPEAKER

terminals for loudspeakers
(impedance: 8 Ohm).

35 POWER SUPPLY CABLE

for connection to power source.

Remote control

36 CLOCK

display clock, adjust clock and timer.

37 EQ SETUP

button to select preset EQ setting
(ROCK/POPS/JAZZ/DANCE/FLAT/
CUSTOM).

38 SLEEP

activate and deactivate sleep timer
function.

39 ◄◄ / ►►

in CD operating mode, reverse or
forward search.

40 CD

key to select CD operating mode.

41 SELECT

to select the desired DAB ststion.

42 DISPLAY

press to turn MP3 INFO on/off.
press to display the disc content
and current operating mode.

43 MENU

to turn on DAB menu at DAB mode.

44 DAB/FM · AM

to turn on DAB or FM/AM.

45 PLAY

to start CD/MP3 CD-ROM playback.

46 AUX

key to select operating mode
playback for a unit connected
to the jacks 32 "AUX".

47 INTRO

to play the beginning 10 seconds
of every track on the disc when
playing CD/MP3 CD-ROM.

BRIEF INSTRUCTION

48 POWER

switch the system from standby to operating state and off.

49 |◄/►|

reverse/forward track selector. reverse/forward search.

50 MUTE

sound pause to switch off the sound reproduction. By pressing the button again, the sound is switched on again.

51 MANUAL TUNE

to start manual tuning at DAB.

52 VOL. +/-

to adjust volume.

53 OPEN CLOSE

to open and close the CD/MP3 CD-ROM transport drawer.

54 PAUSE

to stop and restart CD/MP3 CD-ROM playback.

55 STOP

to stop CD playback.

56 REPEAT

repeat function/repeat of selected passage.

57 0-9/+10

preset station memory pushbutton to save station/track selection.

58 RDS INFO/MP3 INFO

in TUNER operation mode, to select displaying various R.D.S. information. when playing MP3 CD-ROM to display ID Tag of MP3 (Title,Artist & Album name) if available.

59 MEMORY

CD/TUNER memory pushbutton.

60 BALANCE ◄/►

Centric adjustment of the channels on the right and on the left.

SETTING UP AND CONNECTING THE STEREO SYSTEM

Before switching on the stereo system...
... please read carefully the instructions on the following pages.
The functional arrangement of the controls makes the stereo system easier to operate.
To make use of all the options available, you should nevertheless study these instructions carefully.

Important!

Unauthorized opening of the equipment will invalidate any warranty claims.

Note:

To help your dealer identify your stereo system if after sales service is required, please quote the serial number inscribed on the name plate on the rear of the stereo system.

Installation

You must take the room layout into consideration (arrangement of power and antenna sockets).
Switch off the unit before connecting. Make sure all the connecting are correct. Plug-in connections which are too loose can cause operational malfunctions.

SETTING UP AND CONNECTING THE STEREO SYSTEM

Place your set on a stable, horizontal, vibration-free surface where there is no risk of the set falling over or being subjected to vibrations. **- This could otherwise damage the sensitive electronics inside. -**

Any heat generated by the set must be free to escape. **- Any heat build-up may cause the electronic components to malfunction or fail. -**

Therefore, if you place your set in a cabinet or on a shelf, make sure that there is enough room for heat to dissipate and air to circulate around the set. If in doubt, ask your dealer.

The ventilation slits at the rear of the set must always be free. Do not cover them by curtains, mats or newspapers. In addition, avoid placing your set next to radiators or in sunlight where additional heat could affect the set.

Protect your set from humidity. Do not place your set under a window, otherwise, in the worst case, rain could fall onto the set. Do not place any containers filled with water on the set, e.g. flower vases, potted plants, etc. If the container should fall over and water enters the set, damage is unavoidable.

However, if water does enter the set, immediately pull out the power plug and inform your dealer. He will then check the set before you use it again.
- Liquid entering the set could cause dangerous short-circuits which, in the worst case, could cause a fire. -

If you bring your set from a cold place to a warm place, leave the set switched off for a few hours. Condensation could form inside the set.
Do not allow any objects to drop into the set through the ventilation slits. They could come into contact with parts conducting electricity.
- This could lead to short-circuits.

Cleaning
Before cleaning the set, switch of the STANDBY switch on the set and disconnect the set from the mains.
Clean the housing of the set and the remote control unit using a moist cloth.
Do not use any solvents, white spirits, thinners, etc. Otherwise, they could damage the surface for the set.

Power connection
Insert the power plug in the wall socket. When you disconnect the mains plug from a socket, do not pull the cable, always pull the plug.

AM ANTENNA CONNECTION
Plug the supplied loop antenna to AM antenna socket 30 to receive AM radio broadcast.
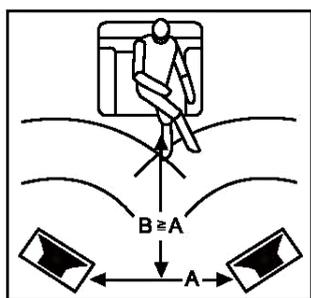
DAB/FM ANTENNA CONNECTION
Plug the supplied auxiliary antenna to DAB/FM antenna socket 31 for DAB/FM reception. In some areas where an outside 4-element aerial antenna is essential to obtain good reception quality, connect the stereo system to the outside antenna by plugging the antenna cable (coaxial, 75 ohms) into the DAB/FM antenna socket 31 at the rear of the stereo system.

SETTING UP AND CONNECTING THE STEREO SYSTEM

Connecting the loudspeakers

Press down the locking levers 34 to insert the loudspeaker cable. Attach the black wire of the loudspeaker cable to the corresponding black (negative) terminal of the machine. Connect the second wire accordingly. Connect the loudspeaker on the right side of listener to the terminals marked "R" and connect the loudspeaker on the left of the listener to the terminals marked "L".

Important

To achieve a stereo effect, the loudspeakers should be arranged to form an equal-sided triangle with the seating position of the listener. The main direction of sound projection should not be blocked by furniture, curtains, or similar objects.

AUX

The AUX connection to the auxiliary appliances is made via the plugs 32 located at the back.
- Connect the "AUX" input plugs of the amplifier with the output plugs of the auxiliary unit.

Make sure that you plug in the leads correctly to the right and left channels.

Headphone 1 & 2

Sockets to fit a 6.3mm dia. jack plug for a headphone. (Use commercially available adapters for other types of plug).

AMPLIFIER AND TUNER

Multi-function buttons

The multi-function buttons are positioned around the tuning knob. Their functions are shortly described in the following sections.
These functions can be stored separately, thus, they remain the basic adjustment when switching on the device with "STANDBY" 18.
- Select function
- Adjust values

Press button...
"VOLUME" 4, you can also get into the volume function directly when your device is in another function, VOLUME appears in multi-function display 1.

```
Volume    18
```

The volume can be changed with turning knob "MULTI FUNCTION" 8 (scale range from min-63 max).

"FM/AM TUNING" 11 for the normal station finding and for the automatic search run. (For explanations see "Station tuning").

"MENU/STORE" 5 to store the stations on each programme place. (For explanations see "Programme memory").

"EQ/TONE" 13 for preset equalizer selection to suit your listening pleasure, with turning knob "MULTI-FUNCTION" 8, ROCK/POP/JAZZ/CLASSIC/FLAT/CUSTOM appears in multi-function display 1 subsequently each time the knob is turned.

AMPLIFIER AND TUNER

"Bass" can be adjusted at CUSTOM by pressing EQ/TONE 13, 2 times. It adjusts the individual playback sound, in this case the low frequencies, BASS appears in multi-function display 1.

```
        Bass    +02
```

With turning knob "MULTI FUNCTION" 8 the bass can be changed.

"TREBLE" can be adjusted at CUSTOM by pressing EQ/TONE 13, 1 time. It adjusts the individual playback sound, in this case the high frequencies, TREBLE appears in multi-function display 1.

```
        Treble   +02
```

By turning knob "MULTI FUNCTION" 8, the "treble" can be changed.

"EQ/TONE" 13 to select preset equalizer (ROCK/POP/JAZZ/CLASSIC/FLAT/ CUSTOM) to adjust the playback sound to suit your individual pleasure.

FM/AM Station tuning

You have two possibilities of executing the station tuning function:
- manual station tuning
- auto tuning.

Switch your radio to operation mode DAB/FM/AM with button 2. Press Tuner 2 again to select DAB,FM, AM(MW) frequency band.

Manual tuning:
Press button "FM/AM TUNING" 11. Now you have to adjust the desired station with button "MULTI FUNCTION" 8 within the following 10 seconds. The corresponding frequency can be seen in multi-function display 1.

```
   FM       106.00MHz
```

By slowly turning button "MULTI FUNCTION" 8 each notch changes the receiving frequency by 0.05MHz upwards or downwards in FM band and 9KHz/10KHz upwards or downwards in AM(MW) band.

Auto tuning:
Press button "FM/AM TUNING" 11.
By quickly turning button "MULTI FUNCTION" 8 over 1/2 a turn within the following 10 seconds, the auto tuning function is started and the direction of the search run determined.

When a receivable station has been found, the auto tuning function will automatically be stopped, and the station will be tuned in optimally at the same time. The corresponding station frequency will be shown in multi-function display 1.

```
   FM        98.00MHz
```

By again turning button "MULTI FUNCTION" 8, the auto tuning function can be started again. The tuner will be muted during auto tuning.

RDS (RADIO DATA SYSTEM) for FM only

RDS (Radio Data System) allows for the name, specific type of program and text of the radio station being played to be displayed and for the time of the clock to be adjusted automatically if this information has been transmitted. "RDS" is displayed on Multi-function display 1 when the received station has the information transmitted.

To display various R.D.S. information on multi-function display 1 after tuning to a FM station, press the R.D.S. select button 6, the name of the station is displayed on the multi-function display 1. SLIGHTLY rotate the multi-function jog 8 clockwise, other RDS information is displayed on the multi-function display 1 consecutively as follows:-
-   specific type of program broadcasted e.g. VARIETY, POP, MUSIC etc.
-   time of the clock transmitted by the radio ststion.
-   text transmitted by the radio station.

Select the tuner preset station memories

On the tuner:
Select the preset station memories 1-32 using the pushbutton 3. To select a two digit preset station memory, press the relevant numeric pushbuttons in succession. The display 1 serves for check purposes.

Using the remote control
Select programme place 1-32 by pressing numeral buttons 57.
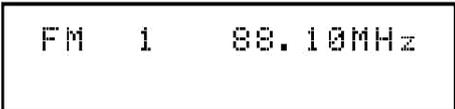
Programme memory

The program memory allows you to save 32 stations in FM and 16 stations in AM(MW)

band. You can directly call up the saved stations using the preset station memory pushbuttons on the tuner or on the remote control.

The saved stations remain saved even if the tuner is switched off or if there is a power failure.

In order to store your stations to the desired programme places proceed as follows:
1. Make sure that your radio is in operation mode TUNER, if necessary, switch over with button "DAB/FM/AM" 2.
2. Adjust the desired station as described under "Station Tuning". Here you have the possibility of selecting manual tuning or auto tuning.
3. Press button "MENU/STORE" 5. The programme place number is flashing in multi-function display 1.
4. Now select the desired programme place number within the following 5 seconds by using numeral buttons 3.
5. Then press button "MENU/STORE" 5 to save the programme.

```
FM    1      88.10MHz
```
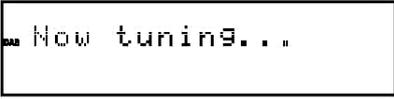
Attention:
In case the input does not take place within these 5 seconds, the programme place number remains the same. The storage function can only be activated again by pressing button "MENU/STORE" 5 afterwards.

Changing a programme number

If you wish to store a different station under any programme number, you can do so following the procedure described above. The old station will be cleared.
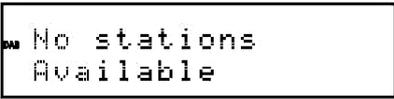
AMPLIFIER AND TUNER

DAB Tuning

When you switch to DAB mode by pressing "DAB/FM/AM" 2 or on your handset 44, "now tuning" will be shown on multi function display 1.
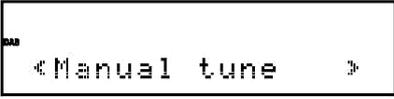
```
Now tuning...
```

If stations are found

The stations will be stored in alphanumeric order. The first station on the list will be selected and you will hear it through the speaker. To listen to other stations, see "Selecting a station".

```
Classic FM
elax It's Classi
```

If no stations are found

"No stations available" will be shown on the display.

```
No stations
Available
```

Manual tune - See Manual tune for details of using the manual tuning option to improve reception.
Autotune local - See Retuning your unit below for details of the local autotune option.
Autotune full - See Retuning your unit below for details of the full autotune option.

```
<Manual tune    >
```

Retuning your unit

Your can re-tune your unit at any time using the autosearch process. You may wish to do this if a new mulitiplex is launched or you move your unit to another room. You do not need to perform an autotune to pick up new stations within a mulitplex you are listening to as your unit monitors and refreshes the list of available stations automatically. The following two options are available:

```
Autotune....    00
■■■■■
```

Autotune local - scans all frequencies in the UK channel allocation. This should only take a few seconds.
Autotune full - scans the full range of digital frequencies in Band III. This may take a minute or more.
1.   Ensure your unit is switched on and the aerial is connected and fully extended.
2.   Push and release the "DAB AUTO SEARCH" button 9 once for local scan or hold down for around two seconds for a full scan.
     Note You can cancel autosearch by pushing the "DAB AUTO SEARCH" button 9 again during the tuning process.

AMPLIFIER AND TUNER

The display will indicate tuning is underway. When finished the unit will return to the station you were listening to and you will hear it through the speakers. All the stations found are now stored in the unit and you can select another station as described in Selecting a station.

If no stations are found, you see the message "No stations available" Check your aerial is fully extended and try one of the available tuning options.

Selecting a station

Once you have tuned your unit, you can select the digital radio station you want to listen by pressing "SCROLL" 7, turn "MULTI FUNCTION" knob 8 and "SELECT" 17 to confirm. If you have assigned stations to presets you can also select them directly by pressing the relevant numbered button 3 or 57, see Storing and recalling presets.

1. The top line of the display shows the name of the currently selected station.Press "SCROLL" 7 and rotate "MULTI FUNCTION" knob 8 to see the names of other stored stations on the buttom line of the display. Stop when you find the station to which you want to listen.

2. Press "SELECT" knob 17 or 41 to listen to the station you have selected. The display may show "Now tuning..." briefly as it finds the new station.

If a station has one or more secondary services available the display will show ">>" next to the station name on the station list and they will appear after the primary service as you press "SCROLL" knob 17, turn "MULTI FUNCTION" knob 8 and "SCROLL" knob 17 to confirm.

A secondary service will display "<<" before the station name on the station list indicating that it belongs to the primary service before it in the list.

If the station has "?" before its name the service is currently inactive or invalid. If you select a station which has this symbol, the unit tries to tune to that station. If still unavailable "Station not available". Check your aerial is fully extended.

AMPLIFIER AND TUNER

Changing the display mode

The unit has six display modes which enable you to view parts of the broadcast data on the bottom line of the display.
Press the "DISPLAY" button 42 and repeat to cycle through the six different display modes.

```
DAB Classic FM
elax It's Classi
```

Scrolling text — The default mode, displays scrolling text messages which accompany the audio, where available.

```
DAB Classic FM
Classical Music
```

Program Type — A label describing the type of content being broadcast by the service.

```
DAB Classic FM
Digitall Network
```

Multiplex name — Displays the name of the mulitiplex in which the current service is found, see "Guide to Digital Radio" on pagg 21 for more information on multiplexes.

```
DAB Classic FM
14:38 09-08-2004
```

Date and time — Displays the date and time obtained from the current mulitiplex.

```
DAB Classic FM
11D 222.06 MHz
```

Channel — Displays the mode of the channel identifier and frequency for the station to which you are tuned, see "Guide to Digital Radio" on page 21 for more information.

```
DAB Classic FM
160kbps  Stereo
```

Mode — Displays the mode of the current service, Stereo or Mono and the data rate at which the aduio signal is being transmitted. This rate is set by the broadcaster to suit the type and quality of material being transmitted.

```
DAB Classic FM
Signal error    1
```

Signal error — Displays the signal error rate for the signal to which you are tuned. As a guide values from 0 to 15 indicate good reception, 16 to 30 borderline reception and 31 or more, poor reception. You can attempt to reduce this signal error rate by adjusting your aerial position using Manual tune option described on page 18.

AMPLIFIER AND TUNER

Storing and recalling presets
The numeric buttons (1-9) enable you to store radio stations for one-touch access.

To store a station
You can store a station to a preset while listening to it or when you see the station name on the bottom line of the display while scrolling through the station list.
Press and hold down a numbered button for around two seconds to store the station under that number. The display show e.g. "Preset 1 saved" when the station has been successfully saved. Once you save a station to a preset, the station name has the preset number next to it on the station list.

To recall a previously stored station
Press the numeric button 3 under which you stored the station. If the selected preset is empty, the display shows "No Station Available". Please select another preset and make sure the preset has station stored.

Manual tune
This option provides a signal level display which you can use to find the best position for your radio and aerial.
When you select this option, the bottom line of the display shows the channel identifier and frequency. Press "MENU" button 5 or 43, rotate "MULTI FUNCTION" knob 8 to "Manual tune" and press "SELECT" knob 17 or 41. Then turn the "MULTI FUNCTION" knob 8 to choose your favorite frequency. Press "SELECT" button 17 or 41 again to confirm.

1. **Note** The list includes all channels, UK stations are in the range 11B to 12D. You see a signal level display. The empty block indiactes the minimum required level for reception and the solid blocks indicate the current level.

2. Move your aerial or radio whilst watching the display and to try to raise the current level to the empty block or beyond. The display will change to show the multiplex name on the bottom line of the display once a good signal is received and the multiplex will be added to the service list.

3. Press "MENU" button 5 or 43 to exit manual tuning or turn the "MULTI FUNCTION" knob 8 to select another channel.

18

AMPLIFIER AND TUNER

Advanced setup options

The unit has a number of advanced features which enable you to change the order and number of stations on the station list, perform manual tuning, apply Dynamic Range Control (DRC) and view the software version.

Press the "MENU" 5 or 43 to enter the advanced setup menu, turn the "MULTI FUNCTION" knob 8 to scroll through the following menu options then press "SELECT" button 17 or 41 to select that option.

Station Order

This option enables you to choose the order in which stations appear as you scroll through the station list.

When you select this option you see the currently selected order on the top row of the display and a scroll list on the bottom. Turn the "MULTI FUNCTION" knob 8 to scroll through the following options and press "SELECT" button 17 or 41 to select one:

Alphanumeric	Displays all stations in alphanumeric order. This is the default setting.
Active station	Display active stations at the top of the service list in alphanumeric order and inactive ones at the bottom in alphanumeric order. See "Selecting a station" on page 16 for information on active stations.
ENS station	Stations are displayed in ensemble order. Stations at the lower frequencies are displayed first.
Fav station	Display the six most listened to stations at the top of the station list in alphanumeric order and the rest below in alphanumeric order. Your favourite stations will be displayed with the station name when you scroll through the station list.
Prune stations	Removes inactive stations from the station list. See "Selecting a station" on page 16 for information on active ststions.
Fav ÷ presets	Available only when Fav station order (above) has been selected. Transfers your six favourite stations to the preset buttons. See page 18 for information on using presets.

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AMPLIFIER AND TUNER

```
‹DRC value      ›
```

DRC Value

DRC (Dynamic Range Control) enables you to alter the dynamic range of the received audio (dependent on broadcast material) by making the quieter sounds in a broadcast more audible. This may be useful in noisy environments or particularly quiet parts of programmes. The DRC level of a broadcast is set by a broadcaster and transmitted with the service. Changing this DRC value enables you to apply a scaling factor to this level.

When you select this option you see the current DRC value on the top line of the display and a scroll list on the bottom. Press "MENU" button 5 or 43, rotate "MULTI FUNCTION" knob 8 to "DRC Value" and press "SELECT" button 17 or 41. Select the following DRC value by tuning the "MULTI FUNCTION" knob 8 and "SELECT" button 17 or 41 to confirm.

```
DRC 1
‹DRC 1/2        ›
```

DRC 0   DRC scaling is switched off.

DRC ½   DRC scaling is set to ½ that sent with the transmitted service.

DRC 1   Applies the DRC scaling as sent with the transmitted service. This is the default setting.

Sw version

This option enables you to view the version number of the software installed in your unit. You may be asked to quote this if you contact Technical Support for advice. This option can only be viewed, no adjustment is available.

```
V1.7.2
‹Sw version     ›
```

Resetting your unit

A reset option is provided to enable you to reset your unit. This removes all presets, stored stations and favourite station settings and resets all options to defaults. Performing an autotune process will solve most problems but you may want to use this option if you move house or want to restore default values to options you have changed.

To select the reset option:

1. Press and hold the "MENU" button 5 for more than five seconds. The display will show "Clear Memory".

2. The unit will enter "Auto Tuning" mode and search for new DAB stations again.
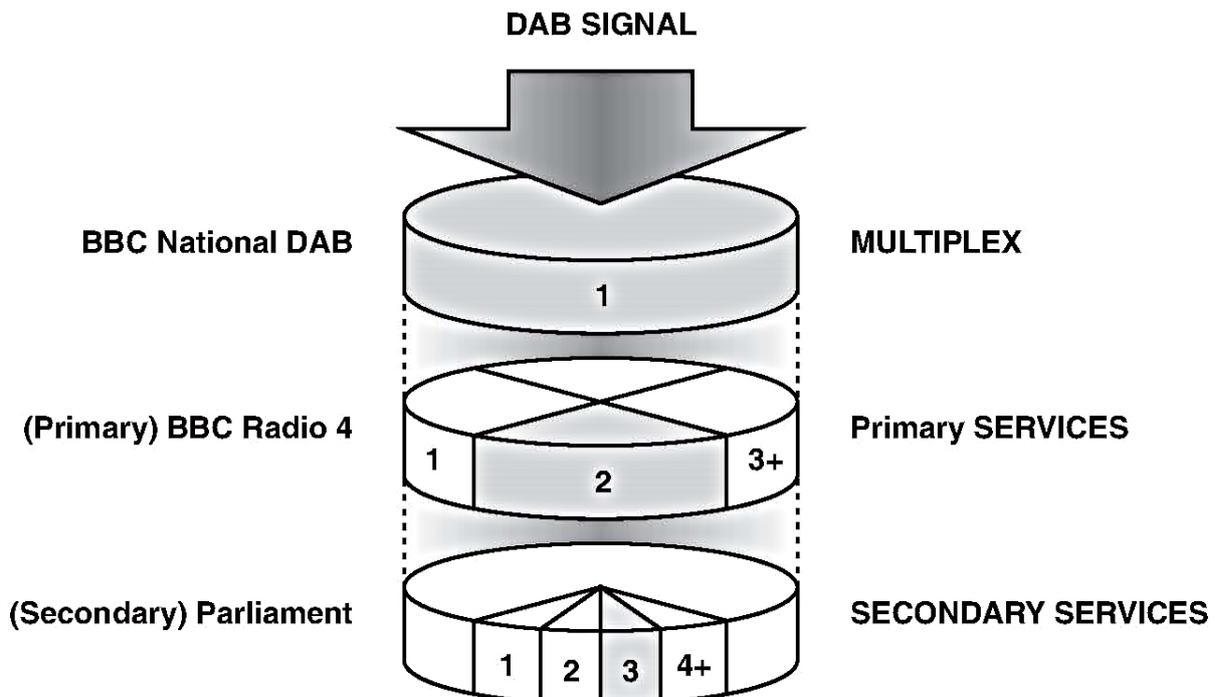
AMPLIFIER AND TUNER

Guide to digital radio

Your unit enables you to receive and listen to DAB radio programmes. Digital Audio Broadcast (DAB) uses digital signals rather than traditional analogue signals enabling near CD-quality audio with virtually interference-free reception. DAB also enables broadcasters to transmit additional data along with the audio including other audio channels, text and in the future, perhaps computer data and images.

Digital radio is broadcast as groups of data called ensembles or multiplexes. Each multiplex can contain a number of stations (services) and each station contains a primary service and can contain secondary services as illustrated in the following diagram.

Each multiplex is transmitted in a set frequency range and received by your unit for decoding. Your unit enables you to receive multiplexes broadcast in frequency band III (174-240 MHz) and store the services in each multiplex for you to access. The number of multiplexes you receive will vary depending on your location. Band III is divided into 41 channels identified as 5A to 13F. Each channel can contain one multiplex. Channels allocated to the UK are in the range 11B to 12D.

Multiplexes and stations have labels (names) which are used to identify them. Instead of needing to know a particular frequency to listen to your favourite broadcast you can simply select the station name. Secondary services and additional data such as text containing programme or multiplex information are also easily accessed using your unit.
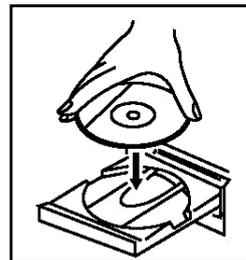
DAB SIGNAL

BBC National DAB	1	MULTIPLEX
(Primary) BBC Radio 4	1 2 3+	Primary SERVICES
(Secondary) Parliament	1 2 3 4+	SECONDARY SERVICES

CD mode

Note:
The functions of keys "CD TRACK" 3, "INTRO" 20, "REPEAT" 24, "SKIP" 25, "OPEN/CLOSE" 26, "STOP" 27, "PLAY" 28 and "PAUSE" 29 can be activated using the remote control.

Loading and removing discs

When you switch over to the operating mode "CD", the message below appears in the display unit 1:

```
        No disc
```

Press the "OPEN/CLOSE" button 26 to open the transport drawer to insert or remove the DISC.

```
        open
```

Then insert the DISC with the labelled side facing upwards. You can also play CD singles without an adapter.

The perfect functioning of the CD player is only assured with compact discs whose playtime does not exceed 74 minutes.

Close the CD transport drawer by pressing the "OPEN CLOSE" button 26. The CD will start to play.

Playing the entire DISC

Once the CD player has read and displayed the contents of the DISC, the DISC is ready for playing. Briefly press the "PLAY" button 28 to start play. During playback, the number of the track played and the play time are displayed.
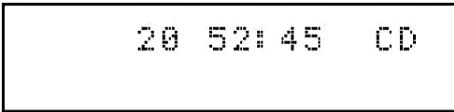
```
  ▶    01  00:01    CD
```

When the "STOP" button 27 is pressed, the total tracks and playing time are displayed.

```
     20  52:45    CD
```
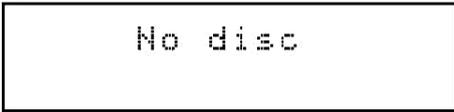
COMPACT DISC PLAYER FOR CD

When all tracks on the DISC have been played, playback stops and the indication appears in the displayed 1:

```
20 52:45   CD
```

Note:
- When selecting a track directly via the numeric buttons, the playback of the corresponding title starts immediately.
- If you insert a DISC the wrong way up, i.e. with the label side facing downwards, this will appear in the display unit:

```
No disc
```

In some cases, the CD player may skip some tracks on a disc during disc play. This problem may be caused by defects (such as scratches) in the disc being played, which are too large for the error compensation circuits to handle. If you encounter this problem, check the CD player's operation as follows, before having the unit serviced.

Play a new disc. If the CD player operates normally, the skipping problem is probably due to a defective disc.

Playback time

You can select the display mode by pressing the "DISPLAY" pushbutton 42 on remote control several times:
- the length of time the track has played.
- the remaining play time of the track.
- the total remaining play time of the CD or of the programming.

Pause

Press the "PAUSE" button 29 or 54 on remote control, in order to stop for a moment during play. Press button 29 or 54 on remote control again to restart play.

Track selection/search

Press the "SKIP" pushbuttons 25 briefly to select the tracks you want during playback in ascending or descending order.
Press the pushbutton as many times until the track you want appears in display 1.
"SKIP" right = ascending
"SKIP" left   = descending

Display unit 1 serves for check purposes.

You can also compose the track number of the desired track immediately by pressing number 0-9/+10 button 3.

Example   Press 5 to select track No.5
           Press +10 and then 5 to select
           No.15
           Press +10 and then 10 to
           select track No.20
           Press +10 three times and
           then 2 to select track No.32
If you press"◄◄ ►►" 39 pushbuttons ,you can start automatic search during playback. You can rapidly look for a certain passage. Playback is not switched off.
"►►" = forward
"◄◄" = reverse
Press the "PLAY" button 22 and 45 on the remote control, the system starts normal playback.

COMPACT DISC PLAYER FOR CD

Repeat functions

Repeat:
Press the "REPEAT" pushbutton 24 or 56 once, the unit will show the current status.
Press the "REPEAT" pushbutton 24 on main unit or 56 on remote control once, the track now playing is repeated continuously. The following message appears in the display 1:

```
    05 02:40   CD
    REPEAT 1
```

Press the "REPEAT" pushbutton 24 on main unit or 56 on remote control again to play the entire disc or the programmed tracks continuously. The following message appears in the display 1:

```
    05 02:40   CD
    REPEAT ALL
```

Press the "REPEAT" pushbutton 24 on main unit or 56 on remote control one more time to clear repeat function.

Programme memory

The built-in programme memory allows you to store up to 99 tracks and to play them back in whatever order you wish. If you should accidentally enter more than 99 tracks, the memory will stop storing tracks after it has reached 99.
It is normal that 99 min 59 will be displayed for program total time over 100 minutes.

It is possible to store a track more than once in the same programme if desired.

Example:
You wish to listen to tracks 14, 2, 9, 12 and 22 in that order on a disc as described above. When the scanner has read the disc, "20" and the total playing time will appear in the display unit.

```
    20 52:45   CD
    PROGRAM P00:00
```

Press the "MEMORY" pushbutton 59 on the remote control to switch over to programming mode. Enter the track number by pressing the numeric keys 14.

```
    20 52:45   CD
    PROGRAM P01:14
```

Enter the track number 2 by pressing the numeric keys.

```
    20 52:45   CD
    PROGRAM P02:05
```

You can then store all the remaining tracks in the same way.
After all the tracks have been stored, press button "PLAY" 28 on the main unit or 45 on the remote control to begin playing the programmed tracks. After all programmed tracks have been played the following message appears in the display:

```
    20 52:45   CD
```

By pressing button "PLAY" 28 or 45, you can play the entire programme again. To play the entire programme continuously, press button "REPEAT" 24 or 56 three times, "REPEAT ALL" appears in the display 1.

COMPACT DISC PLAYER FOR CD

Note:
The entire programme will be cleared as soon as you open the disc compartment.

Stop

You can stop play by pressing the "STOP" button 27 or 55 once.

Note on using compact discs

Always hold discs by the edges and make sure they remain clean. Do not touch the shiny rainbow surface. Do not stick any paper or adhesive tape on the side of disc with the label. Keep discs away from direct sunlight and heat sources, such as radiators. Do not leave discs in a car which is parked in direct sunlight, since the temperature inside the car can become extremely high. Clean discs with a cloth before playing them.

Do not use any solvents such as benzine, thinners, commercially available cleaners or anti-static spray intended for analog discs to clean your compact discs. After playing, store a disc in its case again.

Hints concerning the CD player

When the CD player is not in use, the drawer should always remain closed to protect the mechanism from dust. Despite this, the lens could possibly become soiled by dust or could get steamed up by a hardly visible film, so that the CD system can no longer scan the disc in the drawer. In this case, qualified personnel has to clean the lens.

Moisture

If the unit is exposed to extreme temperature fluctuations, moisture will form inside it. Condensation will form on the lens and on other parts inside the unit. If the CD player is operated under these conditions, the laser beam will not be able to read the signals. In this case you should remove the DISC, close the disc compartment, set the unit to Standby and leave it alone for around 1 hour. The moisture will then have evaporated and you will be able to use your CD player again.

PLAYING MP3 CD-ROM

Insert the MP3 CD-ROM disc.The first screen appears on your TV set. The left column is one level higher than right column. The currently selected item appears depressed.

ROOT	PAGE 01/02
FILE NAME	FILE NAME
FILE NAME	FILE NAME
FILE NAME	FILE NAME
FILE NAME	FILE NAME
FILE NAME	FILE NAME
FILE NAME	FILE NAME

Use "◄◄" or "►►" key 39 to navigate the menu. Use "PLAY" button 28 or 45 to enter the selected folder, for escape from folder press "STOP" button 27 or 55. You can navigate the MP3 tracks by using "◄◄" or "►►" key 39. Press "PLAY" button 28 or 45 to play the desired MP3 track.
While playing, you can press and hold "◄◄" or "►►" key 39 to search the track at 2X speed. Normal play will be resumed when releasing key 39. You can skip to next or previous track by pressing "►I" or "I◄" key 25 or 49. Press "STOP" key 27 or 55 to stop playing.

JPG Photo Album

Use this player to display a collection of digital photos that have been saved in JPG/JPEG format onto a CD. These discs can originate from many sources including a computer or a photo developing service.

Viewing JPEG Slideshow
Insert a CD-ROM with JPEG files, the unit will start to play slideshow automatically.
The file menu will be displayed when "STOP" is pressed.
Use the number keys to select a picture to view.
During display, use I◄ or ►I buttons to skip between photos.
(Notes: If JPEG file is large, the file is displayed through serveral passes.)

TIME AND ALARM SETTING

- Turn on the unit by pressing "STANDBY" key 18.
- Press "CLOCK" key 15 on the main unit or 36 on the remote control once will display the time.
- Press "SELECT/ALARM ON•OFF"" key 17 or 41 will activate set clock mode, and the hour digit will blink, turn the "MULTI FUNCTION" knob 8 to set the hour. Press "SELECT/ALARM ON•OFF" key 17 or 41 again, the minute digit will blink, turn the "MULTI FUNCTION" knob 8 again to set the minute. Press "SELECT/ALARM ON•OFF" 17 or 41 again to confirm.
- If RDS is available, the unit will adjust the clock automatically when at tuner mode and RDS signal is detected.
- Press "CLOCK" key 15 or 36 twice will activate the timer mode.
- Press "SELECT/ALARM ON•OFF" 17 or 41, the hour digit of alarm on will blink, turn the "MULTI FUNCTION" knob 8 to set the hour.
- Press "SELECT/ALARM ON•OFF" 17 or 41 again, the minute digit will blink, turn the "MULTI FUNCTION" knob 8 again to set the minute. Press "SELECT/ALARM ON•OFF" 17 or 41 to confirm. Then repeat the same keystroke for setting the alarm off time. If you want to deactivate the alarm, press "SELECT/ALARM ON•OFF" 17 or 41 when the clock is not displayed.

Sleep:
Press "SLEEP" button 38 on the remote control to activate sleep function. You select the desired sleep time by pressing "SLEEP" button 38 continuously, sleep timer varies from 15 min, 30 min, 45 min, 90 min, 120 min or off.

SPECIFICATIONS

Power Source   : AC230V ~ 50Hz

Frequency Range   : FM 87.5 - 108 MHz
          MW 522 - 1629 KHz

Dimensions of unit   : (W) 166 x (H) 240 x (D) 257 mm

Weight of unit   : 4.5 kg

Weight and dimensions are approximate because we continually strive to improve our products, specifications may change without prior notice.

Your Guarantee of Excellence

Thank you for purchasing this Hitachi product

In the unlikely event that this product should develop a fault, we undertake to replace or repair any part of the product which fails due to a manufacturing defect within 12 months of the date of purchase provided that:

I) The product has been installed and used only in accordance with the instructions supplied with the product.

ii) The product has not been repaired, maintained, or modified by any person other than an Hitachi authorised engineer.

iii) The product serial number has not been removed or altered.

This guarantee does not apply to product acquired second hand or for commercial or communal use.

This guarantee does not cover the replacement of exhausted batteries, the adjustment of user controls, or head cleaning and general consumer maintenance tasks.

Any parts replaced under this guarantee shall become the property of Hitachi Europe Ltd. Any claims made under guarantee must be directed to the dealer from whom the equipment was originally purchased.

Please note that evidence of the date of purchase will be required before any service under this guarantee is carried out.

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