

MICRO COMPONENT AUDIO SYSTEM WITH USB HOST MP3-CD/CD-R/RW PLAYBACK MM-UC8

Instruction Manual



Contents

Thank you for buying this SAMSUNG micro component system.

Please take time to read these instructions. They will allow you to operate your system with ease and take full advantage of its features.



CLASS 1 LASER PRODUCT KLASSE 1 LASER PRODUKT **LUOKAN 1 LASER LAITE** KLASS 1 LASER APPARAT PRODUCTO LASER CLASE 1



DO NOT REMOVE REAR COVER, NO USER

SERVICEABLE PARTS INSIDE, REFER SER-

VICING TO QUALIFIED SERVICE

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

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

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTER LOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT. FULLY INSERT.





PERSONNEL.

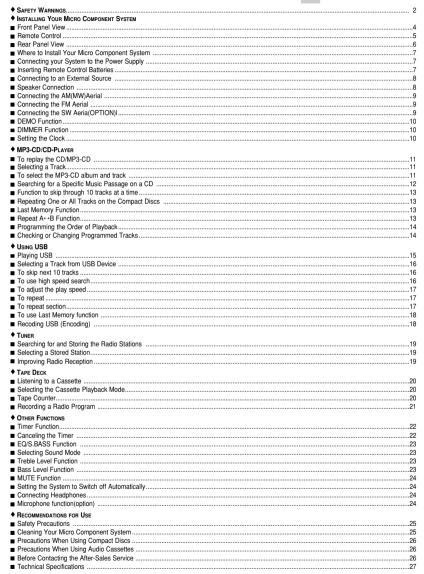
This symbol indicates that dangerous voltage constituting of a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the owners manual accompanying this unit.

(Saudi Arabian Standards Organisation)

THIS APPLIANCE IS FITTED WITH 220V SASO APPROVED PLUG.THE CUSTOMER IS ENTITLED TO A FREE SASO APPROVED 127V PLUG FROM THE LOCAL DEALER.



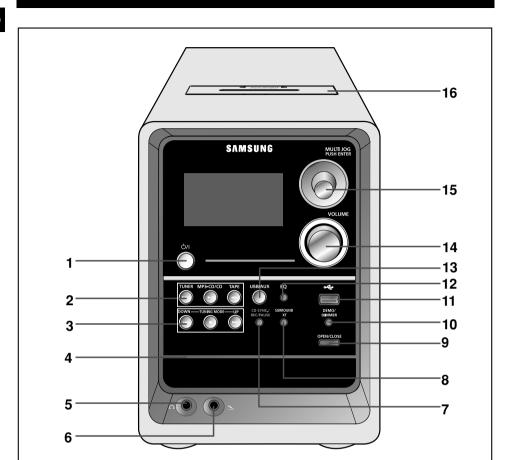








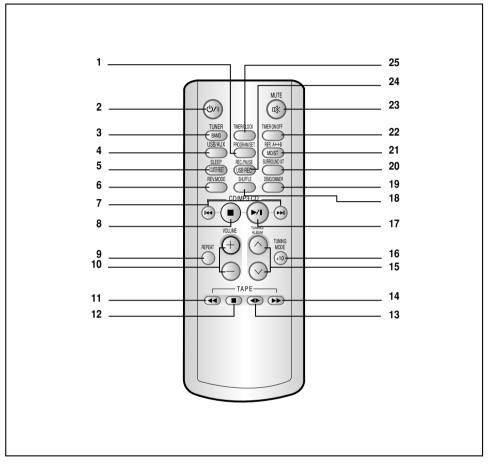




- 1. STANDBY/ON
- 2. FUNCTIONS (TUNER/MP3-CD/CD/TAPE)
- 3. SEARCH FUNCTION BUTTONS TUNING MODE OR STOP BUTTON
- 4. DISC TRAY
- 5. HEADPHONE JACK CONNECTOR
- 6. MIC(OPTION)
- 7. CD SYNCHRO / REC/PAUSE
- 8. SURROUND XT

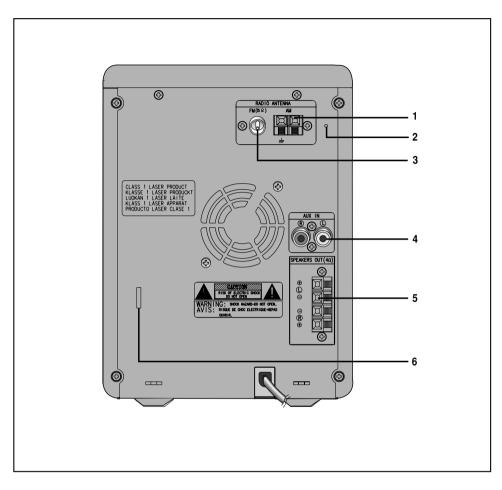
- 9. CD DOOR OPEN/CLOSE
- 10. DEMO/DIMMER
- 11. USB JACK
- 12. EQ
- 13. USB/AUX
- 14. VOLUME CONTROL
- 15. MULTI JOG(PUSH ENTER)
- 16. PUSH EJECT
 (CASSETTE DOOR OPEN/CLOSE)

Remote Control



- PROGRAM/SET
- 2. STANDBY/ON
- 3. TUNER/BAND
- 4. USB/AUX
- 5. SLEEP/COUNTER RESET
- 6. REV.MODE
- 7. CD SKIP OR SEARCH
- 8. CD STOP
- 9. REPEAT
- 10. VOLUME CONTROL
- 11. TAPE REWIND
- 12. TAPE STOP
- 13. TAPE PLAY

- 14. TAPE FAST-FORWARD
- 15. TUNING UP OR DOWN / ALBUM SKIP
- 16. TUNING MODE/+10
- 17. CD PLAY/PAUSE
- 18. SHUFFLE
- 19. DEMO/DIMMER
- 20. SURROUND XT
- 21. REPEAT A<->B/ FM MONO/STEREO
- 22. TIMER ON/OFF
- 23. MUTE
- 24. REC./PAUSE/USB REC.
- 25. TIMER/CLOCK



- 1. AM Aerial Connector Terminals
- 2. SW Aerial Connector Terminal(option)
- 3. FM Aerial Connector Terminal
- 4. AUX-Input
- 5. Loudspeaker Connector Terminals
- 6. Voltage Selector(option)

Where to Install Your Micro Component System

To take full advantage of your new micro component system, follow these installation instructions before connecting the unit.

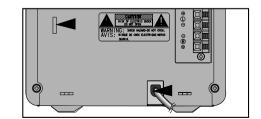
- Install the system on a flat, stable surface.
- ◆ Never place this unit on carpeting.
- Never place this unit in an outdoor area.
- Maintain an open space of approximately 6 inches (15 cm) on the sides and rear of the system, for ventilation purposes.
- Make sure that you have enough room to open the compact disc compartment easily.
- Place the loudspeakers at a reasonable distance on either side of the system to ensure good stereo sound.
- Direct the loudspeakers towards the listening area.
- For optimum performance, make sure that both speakers are placed at an equal distance above the floor.



Connecting your System to the Power Supply

The main lead must be plugged into an appropriate socket.

- Before plugging your system into a main socket, you must check the voltage setting (OPTIONAL). If the voltage of the socket does not correspond to the setting on the rear of the unit, you may seriously damage your system.
- Check the position of the **Voltage selector** on the rear of the system (OPTIONAL).
- 2 Plug the main lead into an appropriate socket.
- 3 Press the 🖒 / I button to switch your micro-component system on.

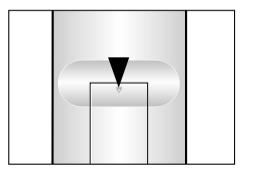


Inserting Remote Control Batteries

Insert or replace remote control batteries when you:

- ◆ Purchase the micro component system
- ♦ Find that the remote control is no longer operating correctly
- When replacing the batteries, use a new set of batteries and never mix alkaline and manganese batteries.
- Place your thumb on the position marked

 on the battery compartment cover (rear of the remote control) and push the cover in the direction of the arrow.
- 2 Insert two AAA, LR03 or equivalent batteries, taking care to respect the polarities:
 - + on the battery against + in the battery compartment
 - ♦ on the battery against in the battery compartment
- 3 Replace the cover by sliding it back until it clicks into position.





The auxiliary input can be used to take advantage of the sound quality of your micro component system when listening to other sources.

Examples: ♦ A television

- A video disc player
- ◆ A Hi-Fi stereo video cassette recorder
- To connect to the external source, the source must have an audio output. In addition, you need an RCA connection cable.
- 1 Set the system to standby mode and disconnect it and the external source from the main socket.
- 2 Connect the audio cable to the rear of the micro component system.

Connect the	To the connector marked.
Red jack	R (right)
White jack ·····	L (left)

- > For optimum sound quality, do not invert the right and left channels.
- **3** Plug the system back into the main socket and press (0/1) to switch it on.
- Select the AUX source by pressing AUX. Result: AUX is displayed.
- 5 Switch the external source on.

Example: You can watch a film and take advantage of stereo sound provided that the original sound track is in stereo (as if you were in a cinema).

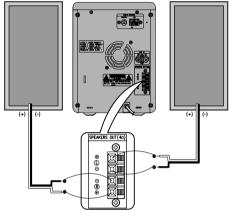


Speaker Connection

Main Speaker Connection: Connect the Speaker cords (red/black) to the Main Speaker jacks of System.

- ♦ Red wire to the + terminals
- ♦ Black wire to the terminals

(Right Speaker) (Left Speaker)



Directions in Installing Speaker

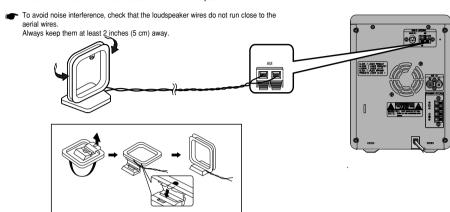
- Installation in a place near heating apparatus, under direct lay of light or with high humidity may cause performance degradation of the speaker.
- Do not install on the wall or on a high place of pole or other unstable place to prevent any safety accident caused by falling of the speaker.
- Do not take the speaker apart from TV or computer monitor.
 The speaker near the TV or computer monitor may influence the quality of the screen display.

Connecting the AM (MW)Aerial

The AM aerial (for medium waves) can be:

- Placed on a stable surface
- ◆ Fixed to the wall (you must first remove the base)

The AM aerial connector terminals are located on the rear of the system and are marked AM ANT.

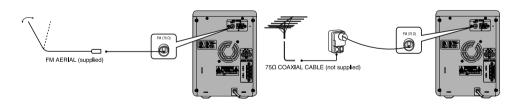


Connecting the FM Aerial

How to connect a COAXIAL TYPE aerial.

- lacktriangle Connect a 75 Ω antenna to the FM antenna terminal.
- \bullet Plug the connector on the FM aerial supplied into the coaxial socket (75 Ω) marked FM on the rear of the system.
- Follow the instructions given on Page 19 to tune into a radio station, and determine the best position for the aerial.
- ♦ If reception is poor, you may need to install an outdoor aerial.

To do so, connect an outdoor FM aerial to the FM socket on the rear of the system using a 75Ω coaxial cable (not supplied).

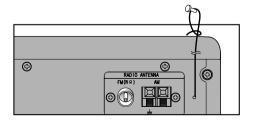


Connecting the SW Aerial (option)

How to connect a SW TYPE aerial.

Spread the SW aerial out and attach the ends to a wall,in the position providing the best reception.

If reception is poor (e.g.distance from transmitter too great,walls blocking the radio waves ,etc),install an outdoor aerial.





You can view the various functions available on your system.

1 Press the DEMO/DIMMER button.

Result: The various functions available are listed in turn on the display.

- All these functions are described in detail in this booklet. For instructions on how to use them, refer to the appropriate sections
- 2 To cancel this function, press **DEMO/DIMMER** again.



DIMMER Function

You can adjust the brightness of the VFD display depending on the surrounding lighting conditions.

- 1 Press the **DEMO/DIMMER** button.
 - Your selection switches each time the button is pressed:
 DIMMER ON(Dim) → DIMMER OFF(Bright).



Setting the Clock

Your system is equipped with a clock which allows you to turn your system on and off automatically.

You should set the clock:

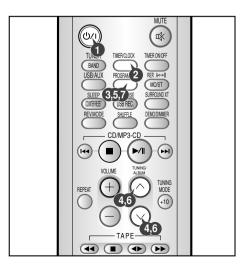
- When you first purchase the micro component system
- After a power failure
- After unplugging the unit
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.
- 1 Switch the system on by pressing (0/1).
- Press TIMER/CLOCK twice. Result; CLOCK is displayed.
- 3 Press PROGRAM/SET. Result: The hour flashes.

То	Press
Increase the hours	^
Decrease the hours ·····	····· ∨

When the correct hour is displayed, press PROGRAM/SET. Result: The minutes flash.

6	То	Press
	Increase the minutes ·····	^
	Decrease the minutes	· 🗸

- 7 When the correct time is displayed, press PROGRAM/SET.
 - Result: ◆ "TIMER" appears in the display.
 - The current time is now set.
 - You can display the time, even when you are using another function, by pressing TIMER/CLOCK once.
 - ♦ In standby,you can press MULTI JOG(PUSH ENTER) button instead of PROGRAM/SET button and press (◄/) ► buttons or turn MULTI JOG(PUSH ENTER) knob on the front panel instead of ^/ ∨ buttons on the remote control.



To replay the CD/MP3-CD

You can play 12 cm or 8 cm compact discs without an adapter.

This unit has been designed to playback the CDs: Audio CD, CD Text, CD-R. CD-RW and MP3-CD.

Continued use of irregular shape CDs (heart-shape, octagonal, etc.) can damage the unit.

- 1 Select the CD function by pressing MP3-CD/CD(►/II) button.
- Press the Open/Close (▲) button. Result: The compartment opens.
- Place your disc in the compartment, with the label on the disc facing upwards.
- 4 Close the compartment by pressing the Open/Close (▲) button again.
- 5 Press the MP3-CD/CD(►/II) button.
 - Your CD Player will take a few moments to scan through all the tracks recorded on a particular MP3-CD
 - The English name of the song may be indicated on the display only if directly downloaded from the PC or if the purchased MP3-CD is sorted according to titles(directory). (Other languages besides English may not be indicated.)
 - The English name of the track may not be indicated depending on the characteristics of the MP3-CD.
- Adjust the volume according to needs with the following procedures.
 Turn the VOLUME control of the main unit.
 - Press the VOLUME + or button of the remote control.

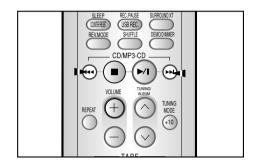
 The volume level can be adjust in 31 steps(VOL MIN,VOL 1-VOL 29 and VOL MAX).
- 7 To stop playback temporarily, press the MP3-CD/CD (►/II) button.
 ➤ Press MP3-CD/CD (►/II) again to continue playing the disc.
- 8 Press the STOP (■) button when you have finished.
- Press and hold OPEN/CLOSE button for 5 seconds, "LOCK door" will be displayed and the compartment doesn't open. In this way you must press and hold OPEN/CLOSE button for a long time until "LOCK OFF" will be displayed, the compartment can open.



Selecting a Track

You can select the track you wish to listen to, either when the compact disc player is stopped or when a disc is playing.

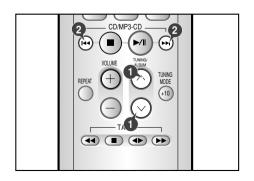
To start playback at the beginning of the	Press
Next track ·····	>> once
Current track ·····	
Previous track ·····	············ twice
Track of your choice	appropriate number



To select the MP3-CD album and track

The album and track of the MP3-CD desired to listen may be selected on stopping or during playbacks.

- 1 To move the album, press the TUNING/ALBUM ∧ / ∨ button.
- 2 To move the track, press the ◄, ► button.
 - Moves the track within the album.
 - ♦ If the I록, ► button is pressed more than the number of tracks within the album, it moves to the next album.
- This function works only with remote control.



What is MP3?

MP3 means MPEG1 Layer 3, the global standard for audio signal compression technology. It uses digital compression technology to compress original sound data by up to 12 times without sound quality degradation.

File Compatibility

- The unit will playback files created in MP3 format (Mpeg1.Layer3) with *.mp3 as their extension.
- Files created in MP2 format (Mpeg1.Layer2) with *.mp2 as their extension can also be played back.

How many MP3 files can a CD-R or CD-RW disc record?

The maximum capacity of one CD-R or CD-RW disc is 740MB.

Normally, one MP3 file has a capacity of 4MB, therefore approximately 180 files can be recorded on a single disc.

Regarding the playback of CD-R/RW

- In the case of an original CD-R(Recordable) recorded in audio CD format, CD-RW(Rewritable) and editing by the user, playback is processed on the respective completed status. (The player may not be played back according to the characteristics of the CD or recorded sta-
- ♦ The CD-RW is comparably less reflexive than CD which causes more time delay to read.

Searching for a Specific Music Passage on a CD

When listening to a compact disc, you can quickly search for a specific music passage on a track.

To search through the tracks	Pres	s and hold down
Forwards	144	for at least one second
Backwards ·····	₩	for at least one second

It is recommended that you turn the volume down before using this function.



Playback sequence of albums and tracks ♦ In case of Window Explorer display. The arrows indicates playback sequence of albums and Tracks with jpg, way or doc only are not audio files and therefore will be skipped. (E) CD-ROM drive Album 01 Skipped Album 02 Album 03 Skipped Album 06 ------ Album 07

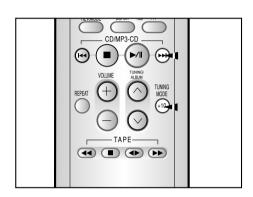
Function to skip through 10 tracks at a time

Press the +10 button briefly while playing back a CD. The track 10 tracks after the current one will then be

Example: If you want to select track 43 during playback of track 15, press the +10 button three times, and then press the button three times

 $15 \rightarrow 20 \rightarrow 30 \rightarrow 40 \rightarrow 41 \rightarrow 42 \rightarrow 43$





Repeating One or All Tracks on the Compact Discs

You can repeat indefinitely:

- A specific track on a compact disc.
- All tracks on the compact disc selected.

1	To repeat	Press Repeat on the remote control one or more times until
	The current track indefinitely ····· All tracks ·······	

To cancel this function, press REPEAT again.



Last Memory Function

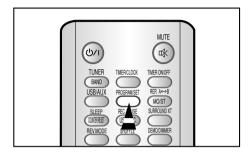
(This function is only available during playback of an MP3-CD.)



When CD playback is selected again after your CD player has been stopped or turned off, this function allows playback from the start of the track that you last listened to.

♦ Press the PROGRAM/SET button while your MP3-CD is being played

The LAST ON and LAST OFF may be repeatedly selected.

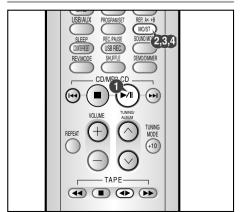


REPEAT A⇔B Function

(This function is not available during playback of an MP3-CD.)

When you select CD(TAPE) Repeat (A↔B) playback, the music passages to which you were listening is repeated 3 times.

- Press MP3-CD/CD(▶/II) / TAPE(◀▶) button. Result: The CD(TAPE) player starts playing.
- Press REP. A↔B button. Result: The indications appear: START
 - A Time is memorized.
- Press REP. A↔B button. Result: The indications appear: END
 - B Time is memorized.
 - Your selected passages are repeated 3 times.
- When you have finished the Repeat playback, press REP. A→B.



Programming the Order of Playback

(This function is not available during playback of an MP3-CD.)

You can decide:

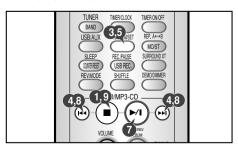
- ◆ The order of the track desired to listen
- ◆ The track not desired to listen
 - A maximum of up to 24 order of tracks desired to listen may be programmed.
 - Before selecting the track, the CD player should be stopped.
 - This function may be used simultaneously with the CD Repeat function.
 - ♦ In the case of the MP3-CD, the PROGRAM/SET button may be used as the RESUME ON, OFF function.
- 1 If the CD function is selected, stop the player by pressing button.
- Load the selected CD.
- Press PROGRAM/SET.
 Result: The following indications are displayed:



- (01 = Program no., -- -- = Track no. on the disc)
- ▲ Select the required track by pressing:
 - ♦ Id to move back through the tracks
 - ♦ ▶► to move forward through the tracks
- 5 Press PROGRAM/SET to confirm your selection.
 Result: The selection is stored and ₱₽₱₽ is displayed.
- 6 To select other tracks, repeat Steps 4 to 5.
- 7 Press MP3-CD/CD (►/II) to listen to the track selection in the order programmed.

8	То	Press
	Listen to the current track again ·····	·· Id once
	Listen to the previous track ······	·· I twice
	Listen to the next track	· >> once
	Skip forwards or backwards · · · · · one or more tracks	·· ► or ► the appropriate number of times

- To cancel the selection, press button.
 - ◆ Once if the compact disc player is stopped Result: PROG is no longer displayed.
- ➤ If you open the compartment, the selection is cancelled.



Checking or Changing Programmed Tracks

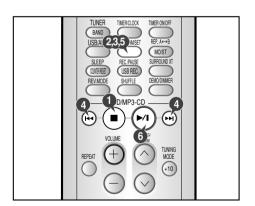
You can check or change your selection of tracks at any time.

- 1 Press once if you have started listening to the selection.
- Press PROGRAM/SET button twice. Result: The following indications are displayed:



(01 = Program no., -- = Track no. on the disc)

- If you have already programmed 24 tracks, Check is displayed instead of CH when you press **PROGRAM/SET**.
- 3 Press PROGRAM/SET one or more times until the track to be changed is displayed.
- Press
 or
 to select a different track.
- 5 Press PROGRAM/SET to confirm your change.
- 6 Press MP3-CD/CD (►/II) to start listening to the selection. Result: The first track selected is played.



Playing USB

You can play MP3 files by connecting to various external USB storage devices such as USB flash memory or HDD. time.

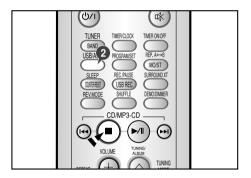
- 1 Connect the external USB storage device to your player.
- Select USB function by using the USB/AUX button.
 - The first track of the first directory plays automatically.

> To stop playing

Press the Stop () button to stop playing.

◆ Press the Stop (■) button once to pause, and press the button twice to stop completely.





- ♠ If an external USB storage device is connected while the player is turned off, the power of the player turns on automatically and it begins playing.
 - Do not connect USB charging device to the USB connection port of the player, because it may cause damage to the product.

(B)



Please be aware of the followings before using USB.

- Depending on the type of external USB storage device, it may not work even if it's connected to the player.

 Mild external USB FAT forms to a level but as NTTC.
- With external HDD, FAT format can be played, but not NTFS format.
- With USB 2.0 HDD, connect to a separate power source.

 If it's not connected to a separate power source, it may not work.
- If memory of an external USB storage device is segmented into several parts, MP3 files of only the first hard disk drive can be played.
- Regarding directories, up to fourth directory can be played.
- DRM applied files are not played.
- Digital Rights Management: Technology and service that protect the profit and rights of copyright owners by disallowing unauthorized use of digital contents.
- Even if the file name ends with .mp3, the file does not play if actual file format is MPEG layer 1 or 2.
- Disconnect the external USB storage device only in safe removal mode("USB REMOVE" display ON/OFF). Otherwise, internal file can be damaged.
- Press the Stop (\blacksquare) button more than 3 times to get into the safe removal mode.
- If you want to play files in the safe removal mode, disconnect and reconnect the external USB storage device.
- ♦ USB hub will not be recognized.
- Directory names are shown up to 14 letters, and MP3 file names up to 30 letters

Delay

- When selecting USB function, depending of the speed of the external USB storage device, reading (READ-IN) internal information can take several minutes.
- When playing a USB device, recording or finding next track may introduce some delay. Especially with a mass storage device such as HDD, depending on the type and the number of files, the delay might be several minutes.
- Even with the external USB storage devices of same capacity, depending on the speed of each product, the amount of operating time can vary.
- If the external USB storage device supports only USB VER 1.1 and the access speed is slow, the recording may not work well or noise can be recorded.

Selecting a Track from USB Device

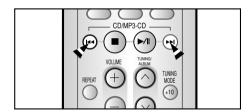
You can select a desired directory and an MP3 file during the play or

Before you begin! ♦ Connect the external USB storage device to your player.

- ◆ Select USB function by using the USB/AUX button.
- ➤ Press the TUNING/ALBUM ^ / ∨ buttons to move the directory.
 - Each time you press the button, it will move to the directory before or after and play.
 - ♦ This function works only in the remote control.



- If you want to move the file, press the *, * button shortly.
 - It moves the file within the directory.
 - ♦ If you press the ◄ , ▶ button more times than the number of the files in the directory, it will move over to the next directory.



To skip next 10 tracks

Before you begin! ◆ Connect the external USB storage device to your player.

- ◆ Select USB function by using the USB/AUX button.
- > Press the +10 button on the remote control shortly during the play. A track that is 10 tracks after the current track plays.

Example: If you want to select 43rd track while 15th track is playing, press the +10 button 3 times and then press the ▶ button 3 times.

 $15 \longrightarrow 20 \longrightarrow 30 \longrightarrow 40 \longrightarrow 41 \longrightarrow 42 \longrightarrow 43$





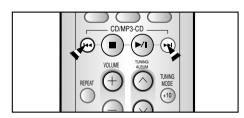
To use high speed search

Before you begin! ◆ Connect the external USB storage device to your player.

♦ Select USB function by using the USB/AUX button.

You can search the part you want quickly during the play

- > Press and hold the (,) button.
 - ♦ Whenever you press and hold the button, you can search backward or forward 2X -> 4X -> 8X times quickly.



◆ When you use the high speed search function, there is no sound.

To adjust the play speed

Before you begin! ◆ Connect the external USB storage device to your player.

◆ Select USB function by using the USB/AUX button.

You can play the desired part fast or slow during the play. This function is very useful for studying language.

- > Press and hold the TUNING/ALBUM ^ / v button during the
 - ♦ Whenever you press and hold the ∧ button, it plays faster in speeds of 1.3X \longrightarrow 1.6X \longrightarrow 2.0X.
 - ♦ Whenever you press and hold the ∨ button, it plays slower in speeds of $0.8X \longrightarrow 0.6X \longrightarrow 0.4X$.



To repeat section

Before you begin! ♦ Connect the external USB storage device to your player.

◆ Select USB function by using the USB/AUX button.



1 Press the REP.A↔B button at the beginning of desired part. A REPEAT shows.

2 Press the **REP.A**↔**B** button at the ending of desired part.

◆ A-B REPEAT shows and section repeat is played 3 times. Then it plays normal.



◆ Section repeat function works only within one track.

To repeat

Before you begin! ♦ Connect the external USB storage device to your player.

- ♦ Select USB function by using the USB/AUX button.
- > Press the REPEAT button during the play.
 - ◆ REPEAT 1 : repeat play one track only.
 - ♦ 1 ALL : repeat play one directory only.
 - ◆ REPEAT ALL : repeat play the entire directories.





To use Last Memory function

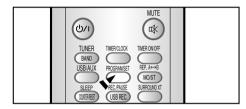
Before you begin! ♦ Connect the external USB storage device to your player.

♦ Select USB function by using the USB/AUX button.

Last Memory is a function that resumes playback from the last part of the previous listening when the user reselects USB function again after stopping the play, turning the power off or selecting another

> Press and hold the PROGRAM/SET button,

◆ LAST ON and LAST OFF are repeatedly selected.



Recoding USB (Encoding)

You can record the sounds of CD, MP3-CD, cassette tape. radio broadcast and external device in the external USB storage device as

Before you begin! ♦ Connect the external USB storage device to your player.

♦ Select USB function by using the USB/AUX button.

Example: When recording a CD

Connect the external USB storage device to your player.

Press and hold the USB REC, button.

 'SS-REC' directory is created in the external USB storage device. and the track is stored as MP3 file. If SS-BEC directory was already created, the MP3 file is saved in the directory without creating another directory.

Press the Play/Pause (>/II) button to play the CD.

◆ Press the ◄ , ▶ button to select a desired track.

If you want to stop, press the USB REC, button again.

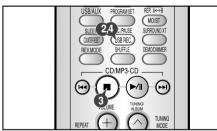
> USB Recording (Encoding) Specifications

- ♦ CD/MP3-CD: 128Kbps, 44.1KHz
- ◆ Cassette Tape and External Device: 64Kbps, 24KHz
- ♦ Radio Broadcast:64kbps,16KHz

> USB Recording (Encoding) Specifications

- ◆ MPEG 1, 2, 2.5 Layer 3
- ♦ 32Kbps~320Kbps
- ◆ 32KHz. 44.1KHz. 48KHz





- ◆ Depending on the type of the external USB storage device, recorded (encoded) file may not be played from the external USB storage device. But, the file will be played if the file is saved in the player.
 - ◆ When recording on an external USB storage device, check to make sure that there are more than 10MB of free space. When it is less than 10MB, you will not make a recording.
 - ♦ If you try to make a record on connecting an external USB storage device, the recording may fail. Wait a moment after connecting an external USB device until SPACE CHK message disappears on the screen because SPACE CHK message appears when the player is reading information necessary for recording.
 - ♦ When you make a recording a cassette tape, radio or other external device for a long time, a new file is created and saved at every 21 minutes.
 - ♦ If you make a recording for longer than 21 minutes, approximate 10 seconds will not be recorded to prepare the following recording operation.

Searching for and Storing the Radio **Stations**

You can store up to:

♦ 15 FM stations ♦ 15 AM stations ♦ 15 FM stations 5 MW stations -(option) 5 SW1 stations 5 SW2 stations

Switch the system on by pressing (6/1).

Select the required frequency band by pressing TUNER/BAND again on the front panel or BAND on the remote control. Result: The appropriate indication is displayed:

> FM Frequency Modulation ♦ MW Medium Wave SW1. SW2(OPTION) Short Wave

Press TUNING MODE To search for a station... Manually -One or more times until MANUAL is displayed Automatically One or more times until AUTO is displayed. > PRESET function is explained in detail in the section

"Selecting a Stored Station" on.

Select the station to be stored by:

- ♦ Pressing or ▶ buttons on the front panel or ∧ or ∨ buttons on the remote control to increase or decrease the frequency respectively.
- ◆ To scroll through the frequencies faster when searching manually, hold down the ◄ or ▶ buttons.
- ♦ The automatic search procedure may stop on a frequency that does not correspond to a radio station. If this happens, use the manual search mode.
- If you do not want to store the radio station found, revert to Step 4 and search for another station.

Otherwise:

a Press PROGRAM/SET.

Result: The PROG is displayed for a few seconds.

- b Pressing

 or

 buttons on the front panel or

 or

 v buttons on the remote control to assign a program number.
- c Press PROGRAM/SET to store the radio station. Result: PROG is no longer displayed and the station is stored.
- To store any other radio frequencies required, repeat Steps 3 to 5.

◆ The PROGRAM function can be used to assign a new station to an existing program number.

Selecting a Stored Station

You can listen to a stored radio station as follows:

1 Switch the system on by pressing ((6/1))

Select the required frequency band by pressing TUNER/BAND on the front panel.

3 Select the radio station as follows.

> To listen to1. the TUNING MODE button until Stored station "PRESET" is displayed. 2. I or ▶ button to select the required program.

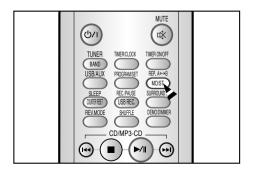


Improving Radio Reception

You can improve the quality of radio reception by:

◆ Rotating the FM or AM(MW) aerial

If reception from a specific FM radio station is poor, press MO/ST. to switch from stereo mode to mono. The quality of the sound will be





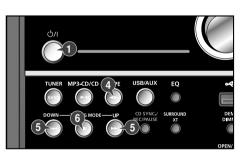
➤ ◆ Always treat your cassettes with care; refer, if necessary, to the section entitled "Precautions When Using Audio Cassettes" on

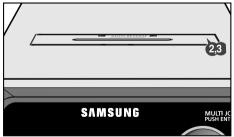
- Switch the system on by pressing (6/1).
- Open the cassette deck by pushing on the corner of the cover marked PUSH EJECT () until you hear a click and then releasing it.
 - ♦ Insert the pre-recorded cassette with the open edge of the tape facing downwards.
- Close the deck by pushing on it until it clicks into place.

To listen to	Press
Side A ·····	Tape (◄►) button once.
Side B	Tape (◄►) button twice.

Press the I or	← , → button if necessary.
То	Press
Rewind the cassette ······	
Fast-forward the cassette	/ ▶ button.

~						
ס	When	vou hav	e finished	nlavback	press	button.



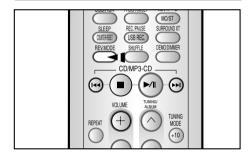


Selecting the Cassette

Your micro component system has three cassette playback modes which enable you to listen to both sides of a cassette

Press REV.MODE until the appropriate symbol is displayed.

When the display indicates	The micro component system plays back
=	One side of the selected cassette and then stops.
=	One side of the cassette. The other side of the cassette and then stops.
	Both sides of the cassette indefinitely unti- you press stop.

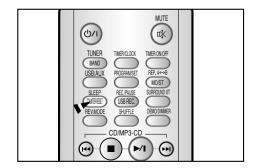


Tape Counter

When playing a cassette, a counter is displayed to enable you to take note of the counter value at the start of each track and thus start playback at the beginning of the track to which you wish to listen.

The counter is only displayed when a cassette is being played.

Before starting to record a cassette for which you wish to take note of the counter values at the beginning of each track, reset the counter by pressing and holding COUNTER RESET.



Recording a Compact Disc

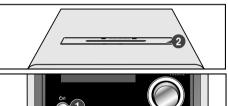
You can record a compact disc on a cassette in two different ways:

- Synchronised recording
- Direct recording

Synchronised recording

This feature enables you to synchronize the start of the recording with the start of the disc or track of your choice.

- Switch the system on by pressing $(l^1)/1$.
- 2 Insert a blank cassette in Deck.
 - ◆ Press the PUSH/EJECT button (▲) to open the cassette door, insert a cassette, and then close the cassette door.
 - Insert the cassette with the safety tabs.
- Load a compact disc.
 - ◆ Press the OPEN/CLOSE button (▲) to open the CD door.
 - ◆ Insert a CD and press the OPEN/CLOSE button (▲) to close the CD door.
- Press the MP3-CD/CD(►/II) button.
- ◆ Use the CD selection (► →) buttons to select the desired song.
- Press and hold CD SYNC/REC/PAUSE button.
 - ♦ When stopped, press the button to start the recording from the first piece of music.
 - ◆ Press and hold CD SYNC/REC/PAUSE button during the playback of CD to start the recording from the first part of the music being played.
- To stop recording, press button.





Direct recording

The direct recording mode enables you to start recording with any track on the compact disc.

- You do not need to adjust the volume, as it has no effect on the recording.
- 1 Switch the system on by pressing (0/1)
- 2 Insert a blank cassette in Deck
 - ◆ Press the **PUSH/EJECT** button (**△**) to open the cassette door, insert a cassette, and then close the cassette door.
 - Insert the cassette with the safety tabs

- 3 Load a compact disc.
 - ◆ Press the OPEN/CLOSE button (▲) to open the CD door.
 - ♦ Insert a CD and press the OPEN/CLOSE button (▲) to close the CD door
- Press the MP3-CD/CD(▶/II) button.
 - ◆ Use the CD selection (► . ►) buttons to select the desired song.
- Press the CD SYNC/REC/PAUSE button.

Result:
Recording will begin.

◆ To stop recording, press ■ button.





Recording a Radio Program

You can record a radio program of your choice.

- ◆ You do not need to adjust the volume, as it has no effect on the recording.
- 1 Switch the system on by pressing ((0/1))
- Insert a blank cassette in Deck.
- Select the TUNER function by pressing TUNER/BAND.
- Select the radio station that you wish to record by pressing or ▶ button .
- Press the CD SYNC/REC/PAUSE button. Result: REC is displayed and recording starts.
- 6 To stop recording, press button.



The timer enables you to switch the system on or off at specific times.

Example: You wish to wake up to music every morning.

- If you no longer want the system to be switched on or off automatically, you must cancel the timer.
- ◆ Before setting the timer, check that the current time is correct.
 - For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.
- **1** Switch the system on by pressing ($\frac{6}{1}$)
- 2 Press TIMER/CLOCK until TIMER is displayed.
- Press PROGRAM/SET.

Result: ON TIME is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

Set the timer switch-on time.

- a Set the hour by pressing \wedge or \vee button.
- b Press PROGRAM/SET.

Result: The minutes flash.

- c Set the minutes by pressing ∧ or ∨ button.
- d Press PROGRAM/SET.

Result: OFF TIME is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-off time already set: you can now set the timer switch-off time.

- 5 Set the timer switch-off time.
 - a Set the hour by pressing ∧ or ∨ button.
 - b Press PROGRAM/SET.

Result: The minutes flash.

- c Set the minutes by pressing ∧ or ∨ button.
- Press PROGRAM/SET.

Result: VOL 10 is displayed, where 10 corresponds to the volume already set.

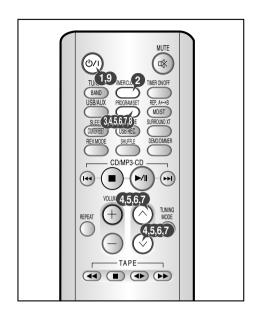
Press ^ or ∨ button to adjust the volume level and press PROGRAM/SET.

Result: The source to be selected is displayed.

7 Press ^ or ∨ button to select the source to be played when the system switches on.

If you select	You must also
TAPE (cassette) ······	Insert a cassette tape.
TUNER (radio) ·····	 a Press PROGRAM/SET. b Select a preset station by pressin ∧ or ∨ .
CD (compact disc) ······	Load a compact disc.

- 8 Press PROGRAM/SET to confirm the timer.
- 9 Press ([∆]/1) to set the system to standby mode. <u>Result</u>: [⊘] is displayed to the bottom left of the time, indicating that the timer has been set. The system will switch on and off automatically at the required times.
 - If the timer switch on and off times are identical, the word ERROR is displayed.
 - In standby,you can press MULTI JOG(PUSH ENTER) button instead of PROGRAM/SET button and press (→ → → buttons or turn MULTI JOG(PUSH ENTER) knob on the front panel instead of ^ / ∨ buttons on the remote control in step 4.5.6.7..

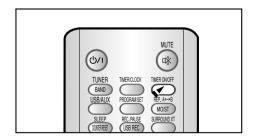


Canceling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.

You can stop the timer at any time (system on or in standby mode).

То	Press TIMER ON/OFF
Cancel the timer ·····	
	Result: (1) is no longer displayed.
Restart the timer · · · · · · · · · · · · · · · · · · ·	Twice.
	Result: (1) is displayed again.



EQ/S.BASS Function

Your micro component system is equipped with a preset equalizer that allows you to choose the most appropriate

balance between treble and bass frequencies, according to the type of music you are listening to.

Press \mathbf{EQ} or \mathbf{MULTI} $\mathbf{JOG}(\mathbf{PUSH}$ $\mathbf{ENTER})$ button until the required option is selected.

Result: Press the button repeatedly to select "EQ PASS→POP → ROCK →CLASSIC →JAZZ→ S.BASS".

S.BASS Function: S.Bass function emphasizes the bass sound to produce the effect of explosion or booms.



Selecting Sound Mode

Your compact system is equipped with the function of Power Sound/Power Surround/Power Surround XT.

The Power Surround replaces conventional stereo sound with a wider and more true-to-life sound. It creates the feeling of being right at the centre of the music and being surrounded by total music sound.

The function of Power Sound amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.

Press SURROUND XT button until the required option is select-ed. Each time the SURROUND XT button is pressed, "P.SOUND,P.SURR, P.SURR XT, OFF" is selected or cancelled in this order.

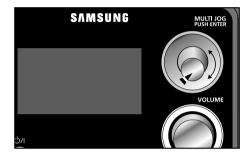


Treble Level Function

Treble Control function stresses high tones providing thudding sound effects.



2 You can select the level of high tones you desire.



BASS Level Function

BASS function stresses low tones providing thudding sound effects.

Press MULTI JOG(PUSH ENTER) button until BASS 00 is displayed.

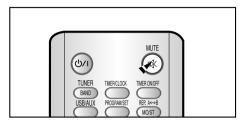
1 Turn MULTI JOG(PUSH ENTER) knob to select from BASS -07 to BASS 07 total 15 stens

You can select the level of low tones you desire.



You can turn the sound off temporarily on your system. Example: You wish to answer a telephone call.

- 1 Press MUTE (🕸).
- 2 To switch the sound back on (at the same volume as before), press MUTE again or the VOLUME buttons.



Setting the System to Switch off Automatically

While listening to a compact disc or a cassette, you can set the system to switch off automatically

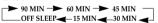
Example: You wish to go to sleep to music.

1 Press SLEEP or MULTI JOG(PUSH ENTER) button until the option

Result: The following indications are displayed:

2

Press SLEEP one or more times or turn MULTI JOG(PUSH ENTER) knob to indicate how long the system should continue playing before



- > At any time, you can:
 - ♦ Check the remaining time by pressing SLEEPor MULTI JOG(PUSH ENTER).
 - ◆ Change the remaining time by repeating Steps 1 and 2.
- To cancel SLEEP function, press SLEEP or turn MULTI JOG(PUSH ENTER) knob one or more times until OFF is display.





Connecting Headphones

You can connect a set of headphones to your micro component system so that you can listen to music or radio programmers without disturbing other people in the room. The earphones must have a 3.5ø jack or an appropriate adapter.

Connect the headphones to the PHONES jack on the front panel. Result: The loudspeakers are no longer used to output the sound.

Prolonged use of headphones at a high volume may damage your



Microphone Function (option)

The microphone enables the user to mix in his or her vocals to sing -along with the music.

Plug the microphone with a 3.5mm jack into microphone terminal.

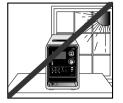


Safety Precautions

The following diagrams illustrate the precautions to be taken when using or moving your micro component system.



Ambient operating conditions: Ambient temperature 5°C-35°C Humidity 10-75%



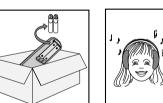
Do not expose the unit to direct sun radiation or other heat sources This could lead to overheating and malfunction of the unit.



Do not place potted plants or vases on top of the unit. Moisture entering the unit could lead to dangerous electric shock and can cause equipment damage. In such events immediately disconnect the main plug from the socket.



During thunderstorms, disconnect the main plug from the socket. Main voltage peaks due to lightning could damage the unit.



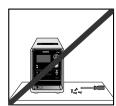
Remove the batteries from the remote control, if not used for any extended period. Leaking batteries can cause serious damage to the remote control.



When using headphones, take care not to listen at excessive volumes. Extended use of headphones at high volumes will lead to hearing



Do not place heavy items on the main lead. Main cable damage can lead to damage of the equipment (fire hazard) and can cause electric



Do not remove any equipment panels. The inside of the unit contains live components, which cause electric shock.

Cleaning Your Micro Component

To obtain the best possible results from your micro component system, you must clean the following elements regularly:

- The outer casing
- The compact disc player
- ◆ The cassette players (heads, rollers and drive capstans)
- Always unplug the system from the wall outlet:
 - ◆ Before cleaning it
 - ♦ If you are not going to be using it for a long time

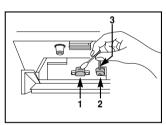
Clean the outer casing regularly using a soft cloth and a light detergent. Do not use abrasive powders, liquids or aerosol cleaners. Never let any liquids get into the system.

Compact Disc Player

- 1 Before playing a compact disc, clean it with a special CD cleaning agent. Do not use the same cleaning agents as for vinyl LP records. Carefully wipe the disc from the centre outward.
- 2 Regularly clean the player with a special cleaning disc (available from vour local dealer).

Tape Decks

- Use a cotton bud and a special cassette cleaning agent to clean the:
- ♦ Head (1)
- ♦ Rollers (2)
- Drive capstans (3)



- ◆ If you will not be using the remote control for a long time, remove the batteries to prevent corrosion
 - ◆ Although your system is very hard-wearing, it should not be used in an excessively dusty environment or subjected to shocks or extreme heat (close to heating appliances or in direct sunlight,
 - If the unit emits an unpleasant odor when in use, unplug it from the main supply and contact the after-sales service.

Precautions When Using Compact

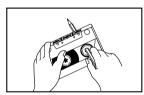
- ♦ Handle your compact discs with care. Always hold them by the edges to avoid leaving fingerprints on the shiny surface.
- ♦ When you have finished playing a compact disc, always put it back in its
- ◆ Do not fix paper or adhesive tape to the discs and do not write on the label.
- ◆ Clean them with a special-purpose cloth.
- ◆ Store your compact discs in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.





Precautions When Using Audio Cassettes

- ◆ Check that the tape in the cassette is sufficiently taut.
- ◆ To prevent erasing a cassette that you wish to keep, remove the safety tab on the upper edge of the cassette. To record a cassette, where the tab has been broken, simply cover the opening with adhesive tape.
- ♦ When you have finished playing a cassette, always put it back in its
- ◆ Store your cassettes in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
- ♦ Avoid using 120-minute cassettes as they place unnecessary strain on the tape mechanism.







Before Contacting the After-Sales

It always takes a little time to become familiar with a new appliance. If you have any of the problems listed below, try the solutions given. They may save you the time and inconvenience of an unnecessary service call.

	Problem The system does not work	Checks/Explanation The main lead is not correctly plugged into a wall socket or the wall socket is not switched on. The remote control batteries need replacing or the polarity has not been respected.
G E N E R A L	There is no sound	The volume has been completely turned down. The correct function (TUNER, MP3-CD/CD, TAPE, AUX) has not been selected. You have connected a set of earphones. The loudspeaker wires have been disconnected. The MUTE button has been pressed.
	The Timer does not work	The timer has been stopped by pressing TIMER ON/OFF.
	In case it does not work, even the action is taken as above.	Press the STOP (■)button for 5 seconds in power 'OFF' (standby), then it is returned the original position (RESET)
C D	The compact disc player does not start playing	The CD function has not been selected. The disc has been inserted face down or is either dirty or scratched. The laser sensor is dirty or dusty. The system has not been installed on a flat, horizontal surface. Condensation has formed in the player; leave the system in a warm, airy room for at least one hour.
CASSETTE	The tape does not start playing	The TAPE function has not been selected. The cassette has not been inserted correctly. The cassette player has not been closed. The tape is either slack or broken.
T E S	The volume falls off The cassette is not erased correctly There is excessive wow and flutter	The audio heads are dirty. The rollers or drive capstans are dirty. The tape is worn.
R A D I O	Reception is poor or no radio stations are received at all	The TUNER function has not been selected. The radio frequency has not been correctly selected. The aerial has been disconnected or is not facing the right way. Turn it until you find the best orientation. You are in a building that blocks radio waves; you must use an outside aerial.

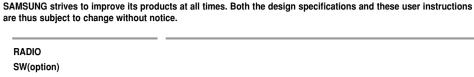
If the above guidelines do not allow you to solve the problem, take a note

- ◆ The model and serial numbers, normally printed on the rear of the system
- ♦ Your warranty details
- A clear description of the problem

Then contact your local dealer or SAMSUNG after-sales service.

Technical Specifications

TAPE DECK Frequency range



RADIO		
SW(option)		
Usable sensitivity	40 dB	
AM (MW)		
Signal/noise ratio	40 dB	
Usable sensitivity	56 dB	
Total harmonic distortion	2 %	
FM		
Signal/noise ratio	55 dB	
Usable sensitivity	10 dB	
Total harmonic distortion	0.8 %	
COMPACT DISC PLAYER		
Frequency range	20 Hz - 20 KHz (± 1 dB)	
Signal/noise ratio	70 dB (at 1 KHz) with filter	
Distortion	0.2 % (at 1 KHz)	
Channel separation	45 dB	

Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm
'	

Signal/noise ratio	40 dB	
Channel separation	33 dB	
Erasing effect	45 dB	

125 Hz ~ 10 KHz

AMPLIFIER	
Output power(4 Ω)	45 Watts/CH RMS (total harmonic distortion: 10%)
Channel separation	45 dB
Signal/noise ratio	72 dB
GENERAL	

•	
Dimensions	170(W) x 232 (H) x 332(D) mm

THIS APPLIANCE IS MANUFACTURED BY:

