

THREE-CD CHANGER VIDEO-CD MINI-COMPACT SYSTEM MP3-CD/CD-R/RW PLAYBACK

MAX-VL65 MAX-VL69

Instruction Manual



Safety Warnings

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



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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 INTERLOCKS DEFEATED, AVOID EXPO-SURE TO BEAM.



This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.



This symbol alerts you to important operating and maintenance instructions accompanying the unit.

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.

Contents

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

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Symbols

Push

Press

Front Panel View



- 1. Disc Selection buttons
- 2. Compact Disc Compartment
- 3. Demo
- 4. On/Standby
- 5. Al Sleep
- 6. Timer On/Off
- 7. Timer/Clock
- 8. Preset/Memory
- 9. Echo
- 10. Mono/ST
- 11. Mic Mixing
- 12. Deck 1/2
- 13. MIC 1, MIC 2
- Search Function buttons
 Tuning Mode or Stop button
- 15. Tuning Mode or Sto
- 16. REV.Mode
- 17. REC/Pause (PAL/NTSC)
- 18. CD Synchro Recording

- 19. Cassette Deck 1
- 20. Function Selection buttons
- 21. Cassette Deck 2
- 22. TAPE Normal / Hi-Speed Dubbing
- 23. Shuffle
- 24. Multi Jog
- 25. Return/Enter
- 26. Headphone Jack Connector
- 27. D.S.P
- 28. EQ
- 29. S.BASS
- 30. Power Surround
- 31. Volume
- 32. CD Repeat
- 33. Program
- 34. Open/Close
- 35. Disc Change

Remote Control



- 1. On/Standby
- 2. Digit Buttons
- 3. Band
- 4. +10/0
- 5. Timer On/Off
- 6. Al Sleep
- 7. TAPE Rewind
- 8. TAPE Fast-Forward
- 9. CD Stop
- 10. CD Track or Radio Station Search
- 11. Volume Decrease
- 12. Tuning Mode
- 13. Volume Increase
- 14. CD Play/Pause

- 15. TAPE Stop
- 16. TAPE Play
- 17. Counter Reset
- 18. Deck 1/2
- 19. FM Mono/ST. / VCD Zoom
- 20. Key Control
- 21. Sound
- 22. Slow
- 23. Time Search (Last Memory)
- 24. Disc View
- 25. CD Repeat
- 26. Return
- 27. Disc Number Skip
- 28. Mute

Rear Panel View

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- 1. FM Aerial Connector Terminal
- 2. SW Aerial Connector Terminal (OPTION)
- 3. AM Aerial Connector Terminal
- 4. Loudspeaker Connector Terminals
- 5. AUX-Input
- 6. VIDEO Output Connector
- 7. AUDIO Output Connectors
- 8. Voltage Selector (OPTION)

- 1. FM Aerial Connector Terminal
- 2. SW Aerial Connector Terminal (OPTION)
- 3. AM Aerial Connector Terminal
- 4. SUBWOOFER Speaker Connector Terminals
- 5. Loudspeaker Connector Terminals
- 6. AUX-Input
- 7. VIDEO Output Connector
- 8. AUDIO Output Connectors
- 9. Voltage Selector (OPTION)

Where to Install Your Mini-Compact System

To take full advantage of your new mini-compact 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.
- 1 Check the position of the Voltage selector on the rear of the system (OPTIONAL).
- 2 Plug the main lead (marked AC Cord on the rear of the system) into an appropriate socket.
- **3** Press the **On/Standby** button to switch your mini-compact system on.



Inserting Remote Control Batteries

Insert or replace remote control batteries when you:

- Purchase the mini-compact 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.
- If you will not be using the remote control for a long time, remove the batteries to prevent corrosion.



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 Loudspeakers

The loudspeaker and subwoofer connector terminals are located on the rear of the system.

The subwoofer generates low-pitched tones.

(Ex. Explosion, the sound of spacecraft flying, the sound of pondering, etc.)

- **1** Press and hold the clamp of the speaker terminal on the rear of the unit.
- 2 Insert the end of the speaker cord into the terminal.
 - Match the polarity (colors): Red (+) to red (+) and black (-) to black (-).
 - Match the polarity (colors): Blue (+) to blue (+) and black (-) to black (-); Red (+) to red (+) and black (-) to black (-).
- 3 Release the finger from the clamp.
- Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the unit.

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Connecting to an External Source

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

- Examples: A television
 - A video disc player
 - A Hi-Fi stereo video cassette recorder
- To connect the external source, the source must have an audio output. In addition, you need an RCA connection cable.
- Set the system to standby mode and disconnect it and the external source from the main.
- 2 Connect the audio cable to the rear of the mini-compact 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 On/Standby to switch it on.
- 4 Select the AUX source by pressing AUX. <u>Result</u>: AUX is displayed.
- 5 Switch the external source on.
- Adjust the volume and balance as required:
 Volume
 Equalizer
 - 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).



Connecting to the Equipment

- Using the Audio Cord, Connect the Audio Output Terminals (Left, Right) of the System with the Audio Input Terminals (Left, Right) of the Video Input Cassette Recorder, so as to Record VCD.
- Using the Video Cord, Connect the Video Output Terminal of the system with the Video Input Terminal of TV.
- Turn on the TV and Select the Video mode by pressing the TV/VIDEO SELECT button to the VIDEO Position.
- Please Pay Attention not to Connect the Audio Output Terminals (left, right) of the System with the Audio Input Terminal of TV.



Connecting the AM (MW)/LW Aerial



The AM aerial (for long and medium waves) can be:

Placed on a stable surface

 \blacklozenge 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.

To avoid noise interference, check that the loudspeaker wires do not run close to the aerial wires. Always keep them at least 2 inches (5 cm) away.





Connecting the FM Aerial

How to connect a COAXIAL TYPE aerial.

- \blacklozenge Connect a 75 Ω antenna to the FM antenna terminal.
- Plug the connector on the FM aerial supplied into the coaxial socket (75Ω) 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 WIRE 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.



Viewing the Various Functions on Your System

You can view the various functions available on your system.

- Press the Demo button. <u>Result:</u> 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** again.



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 mini-compact 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.
- Switch the system on by pressing On/Standby.
- 2 Press Timer/Clock twice. Result: CLOCK is displayed.
- 3 Press Return/Enter. Result: The hour flashes.
- 4 To... Turn the Multi Jog knob to the... Increase the hoursRight
 - Decrease the hours Left
- 5 When the correct hour is displayed, press Return/Enter.. Result: The minutes flash.
- 7 When the correct time is displayed, press Return/Enter. <u>Result:</u> The clock starts and is displayed, even when the system is in standby mode.
 - You can display the time, even when you are using another function, by pressing Timer/Clock once.
 - ♦ You can also use I → buttons to instead Multi Jog knob in step 4, 6.



Loading and Changing Compact Discs

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The CD disc changer can contain up to three 12 cm or 8 cm compact discs without using an adapter.

 Never force the compact disc carrousel when opening and closing the compartment.
 Never press down or place objects on the carrousel.

Always treat your compact discs with care; refer, if necessary, to the section entitled "Precautions When Using Compact Discs" on page 27.

1 Switch the system on by pressing On/Standby.

- 2 Press the Open/Close(▲) button on the front panel. <u>Result:</u> The compartment opens.
- **3** Place one or two discs in the front slots of the carrousel, with the label on the discs facing upwards.
 - Check that the compact disc has been correctly inserted in the holder before closing the compartment.
- 4 If you wish to load a third compact disc, press the Disc Change button on the front panel (or Disc Skip on the remote control). <u>Result:</u> The carrousel rotates by 120°.

5 Close the compartment by pressing the **Open/Close**(▲) button again.

If you wish to start playing a disc directly, you can also proceed as follows.

To play	Press
Disc 1	····· VCD/CD (►III) or Disc 1
Disc 2	Disc 2
Disc 3	Disc 3
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Result: The compartment closes automatically and the disc selected starts playing.

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6 To change or unload the compact disc changer, repeat Steps **2** to **5**.

Keep the compartment closed whenever you are not using it, to prevent dust from entering.

You can load or unload compact discs when the radio, tape or auxiliary source function is selected.

The function will be automatically entered VCD/CD from the other source when you press CD Open/Close button.



To replay the CD/MP3-CD

This is a player that enables the playback of audio CD, CD-R, CD-RW and MP3-CD and does not possess the function that saves MP3 files.

- Do not use CDs of irregular shapes like heart or octagon shapes. The performance of the player may be degraded.
- At least more than one CD should be inserted for playbacks.
- 1 Press the On/Standby button to switch on the power.
- 2 Press the VCD/CD(►II) of the main unit to select the CD function.
- 3 Insert more than one CD or a MP3-CD.
- 4 Press the VCD/CD(►II) button on the front panel or the ►II button of the remote control.
 - If there is more than one CD or an MP3-CD inserted, replays are then processed in order.
 - Your CD Player will take a few moments to scan through all the tracks recorded on a particular MP3-CD.
- Adjust the volume according to needs with the following procedures.
 Turn the Volume control on the front panel or
 - Press the VOL. + or button on the remote control.
- 6 If it is desired to stop while the playback is processing, press the VCD/CD(►II) button.

Press the VCD/CD(►II) button once again to playback again.

- 7 To stop playback, press the button.
 - A new disc may be inserted in the remaining two compartments excluding the CD which is being played back. Press the **Disc Changer** button to open the CD tray. The revolving part does not turn during playbacks.
 - If there is not even one CD inserted in the CD tray, it is indicated as "NO DISC".
 - If the CD Repeat function is not selected, 3 CDs are played back which automatically stops.



Selecting a CD in the Disc changer

The CD function is automatically selected when Disc Skip is pushed.

To select a specific disc, press the corresponding Disc (1, 2, 3) button on the front panel or Disc Skip on the remote control, until the required disc indicator flashes

Result: All the discs will be played in turn, starting with the one selected.

- If you wish to play the current disc only, press CD Repeat on the front panel one or more times, until 1 CD is displayed.
- If you use the **Disc (1, 2, 3)** function when listening to the radio or to a tape, the system switches automatically to the CD mode
 - If the disc selected is not loaded, the next disc is played automatically.



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.
- Playback will be impossible for the file of MP2 or 22KHz.

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 680MB

Normally, one MP3 file has a capacity of 4MB, therefore approximately 170 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(Rewitable) 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 status.)
- The CD-RW is comparably less reflexive than CD which causes more time delay to read.

MP3-CD Playback

HOW TO PLAYBACK MP3-CD directly

After inserting MP3-CD in the Set, Press ▶ button or

Number button after Reading.



MP3 TOTAL - 150 PAGE 003/030



↓ I : MP3 File display

7 tracks on the PAL TV screen every time;5 tracks on the NTSC TV screen every time. Select the No of song on the remote control Digits button and you can enjoy the Music.

HOW TO PLAYBACK MP3-CD on MENU MODE



Select the No of song on the remote control Digits button and you can enjoy the Music.

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Selecting a Track

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ABC

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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	Turn the Multi Jog knob
Next track	One notch to the right
Current track	One notch to the left
Previous track	Two notches to the left
Track of your choice	The appropriate number of notches to the right or to theleft

You can also use the I and I buttons on the front panel, or the in and is buttons on the remote control to select a track.



Searching for a Specific Music Passage on a CD

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

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

To search through the tracks	Press and hold down
Forwards	for at least one second
Backwards	for at least one second



Function to skip through 10 tracks at a time

Press the \pm 10/0 button briefly while playing back a CD and VCD. The track 10 tracks after the current one will then be played back.

Example: If you want to select track 43 during playback of track 15, press the +10/0 button three times, and then press the ➡ button three times or Digit 3 button once.



In selecting a track on MP3-CD, digit "0" will be entered if the button of +10/0 is pressed.

Example: If you want to select a track 40 during the playback of a certain track, press both buttons of 4 and +10/0.



Shuffle Play Function

You can listen to the tracks on a compact disc in a different order each time, as the various tracks will be selected automatically in a random sequence.

Press the Shuffle button.

- <u>Result:</u> The Shuffle indication appears and all the tracks are played in a andom order. Both the track number and the playing time are displayed.
- If this button is pressed when the CD is being played back or stopped, any track recorded in the CD may be selected to playback again.
- The CD plays back without repetitions and in the case of the MP3-CD, a track once played back may also be played back again repeatedly.
- 2 When playing tracks in a random order, you can:
 - ♦ Move on to the next track (selected at random) by pressing I<</p>
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- 3 When you have finished the random playback, press or press the **Shuffle** button again.
- The Repeat and CD Synchro function is not supported from the Shuffle playback mode.
 - Playback of video CD Version 2.0
 - When pressing the Shuffle button during the playback, the operation will stop.
 - When pressing the Shuffle button during the stop, the playback will operate with reading the video CD Version 2.0 as a Version 1.1.



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.
- All discs loaded in the carrousel

1	To repeat	Press CD Repeat on the Front Panel one or more times until
	The current track indefinitely	REPEAT 1 is displayed
		····· REPEAT 1 CD is displayed
	All discs loaded	REPEAT ALL CD is displayed

2 When you wish to stop the Repeat function, press CD Repeat until ALL CD or 1 CD is displayed, or press ■.



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Programming the Order of Playback

You can decide:

• The order of the track desired to listen

The track not desired to listen

- A maximum of up to 30 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.
- 1 If the CD function is selected, stop the player by pressing \blacksquare .
- 2 Load the selected CDs.
- 3 Press Program. <u>Result:</u> The following indications are displayed:

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

- 4. If necessary, select the disc containing the required track by pressing the corresponding **Disc (1, 2, 3)** button.
- 5 Select the required track by turning the **Multi Jog** knob: • To the left to move back through the tracks
 - To the right to move forward through the tracks
- 6 Press Program to confirm your selection.

Result: The selection is stored and $\lim_{D \ge 1} P = \lim_{D \ge 1} |$ ---- is displayed.

- 7 To select other tracks, repeat Steps 4 to 6.
- 8 Press VCD/CD (> II) to listen to the track selection in the order programmed.

То	Turn the Multi Jog knob
Listen to the current track again	One notch to the left
Listen to the previous track	Two notches to the left
Listen to the next track	One notch to the right
Skip forwards or backwards oneor more tracks	The appropriate number of notches to the right or to the le

10 To cancel the selection, press \blacksquare .

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- Once if the compact disc player is stopped <u>Result:</u> PRGM is no longer displayed.
- If you open the compartment, the selection is cancelled.
 - If you select the number of a disc which is not loaded or a track which does not exist on the CD, the selection skips to the next programmed track.
 - ◆ You can also use the I◀◀ / ▶ buttons to select the required tracks in step 5, 9.



Checking or Changing Programmed Tracks

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

- Press
 once if you have started listening to the selection.
- 2 Press Program. <u>Result:</u> The following indications are displayed:

(C = Check, 01=Program No, DI = Disc No, --- = Track No on the disc)

If you have already programmed 30 tracks, C is displayed instead of P when you press Program.

3 Press Program again.

Result: The first track selected is displayed, together with the letter C (Change).

- 4 Press Program one or more times until the track to be changed is displayed.
- 5 If necessary, press the corresponding **Disc (1, 2, 3)** button to change discs.
- 6 Press Here and Here or turn Multi Jog to select a different track.
- 7 Press Program to confirm your change.
- Press VCD/CD (►) to start listening to the selection. <u>Result:</u> The first track selected is played.
- When selecting the tracks of numbers larger than 3 digit figures (figures from the number 100), please use the **Digit** buttons.





Video CD Player Playback

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In order to playback video VIDEO-CD('S), make sure that your unit is connected to your TV set.

This unit is designed for playback of video CD('S), version 1.1 and 2.0. Only with version 2.0, is it possible to call up the on screen menu function. This unit will not play back any other video VIDEO-CD('S) other than 1.1 and 2.0 versions.

- 1 Turn on the On/Standby switch and set the VCD mode.
- 2 Press the Open/Close (▲) button on the unit, to open the CD tray. <u>Result</u>: "OPEN" is displayed and CD tray slides open.
- 3 Load a video-CD('S) with the label facing upwards in the tray.
- 4 Press the Open/Close (▲) button again to close the CD tray.
- 5 To playback:
 - ♦ In version 1.1, press the ▶∎ button for direct access to the film, as there is no menu-on-screen.
 - In version 2.0, load a video CD, "Video CD2.0", and "MENU ON" are displayed on the TV screen. Press the HI button and the menu is displayed on the TV screen. Select a number from the menu using Digits button on the remote control or Multi Jog knob and press the VCD/CD(HI) button.
 - To return to the previous menu, press the Return button.
 - When playing a video-CD('S) version 2.0, reading time on the display may take longer, depending on the disc's contents.
- 6 Press ►II button on the remote control to receive a still picture. <u>Result:</u> Pause is displayed, a still picture appears and the sound is muted.
- 7 To return to normal playback, press VCD/CD(►) button.
- 8 Press the Stop () button to stop playback.
- Please make sure that the VIDEO-CD('S) to be played is not flawed optically, as this may cause a distorted sound or the unit to malfunction.



Search Functions

You can find a certain passage faster during playback. This function is possible in CD or VCD Ver 1.1 or Ver 2.0 menu off mode.

То	Press and hold down
Scan forwards	
Scan backwards	H4

- 2 Release the Skip/Search buttons when the desired passage has been found.
- In the video CD version 1.1, where the disc's contents are over 15 minutes long, you can scan up or down by intervals of five minutes.
- - <u>Result:</u> The picture is still, and the disc's contents are forwarded or reversed by 5 minute intervals. Playback then resumes from this new position.
- In the SKIP/SEARCH or SCAN mode, the sound can only be partially heard and the picture scenes will change sporadically, until the required passage has been found.



Time Search Function

(This function is available only during the playback of a CD/VCD)

Please use this function for reproducing a desired track in a certain time of playback.

- Press the Time Search button.
- 2 Set a desired time by pressing the **Digit** buttons.
- 3 Press the Play (►II) button.



When adjusting play speed

Turn on the TV and set video mode.

Press the $\ensuremath{\textbf{Slow}}$ button on the remote controller when the play function is on.

Voices do not come out when the Slow button is pressed.
Slow playing is 1/2, 1/4, 1/8 the normal playing speed.

To return to normal operation.

- ◆ Press the VCD/CD (►II) button.
- When the slow mode or frame mode is selected a disc will only forward operation.



NTSC/PAL Selection Method

According to a DISC or TV, Press the REC/Pause button on the front panel.

Set the system to stadnby(power off) mode, press the **REC/Pause** button on the front panel.

<u>Result:</u> Each time the **REC/Pause** button is pressed, the following appears in the display:





Sound Select Function

With this function, you can playback video CD's that provide 2-channel tone(bilingual) in the original language. Similarly, with karaoke video CD's, you can select between the channel for music without vocals for sing-along purpose, or the channel complete with music and vocals.

During playback, press the **Sound** button on the remote control. <u>Result:</u> Each time the **Sound** button is pressed, the following appears in the display and on the TV screen:

Lch MONO	Rch MONO	STEREO
(L-CH)	(R-CH)	- OTENEO

- Lch MONO : Only the left channel (instrumental parts) is played back through both the right and left speakers.
- Rch MONO : Only the right channel (vocal parts) is played back through both the right and left speakers.
- STEREO : Cancels the Multiplex Sound (normal stereo playback resumes).
- You can select between listening to the tone from the left channel, the right channel or both channels.



KEY CONTROL Function

This function can work only at VCD mode when microphone is connected.

Press the \mbox{Key} Control button to adjust the key to your voice. (the 15 step key control you can select)

- Result: Each time the Key Control #, b button is pressed, the following appears on the TV screen: "KEY #-"
 - b : Low-Pitched Key
 - # : High-Pitched Key
- Key control function and VCD slow playing do not work at the same time.



VCD VIEW function

B

1

4

This function can be used conveniently to search a desired track in a VCD. This function is possible in CD or VCD Ver 1.1 or Ver 2.0menu off mode.

When you want to select a track

Press the Disc View button in the stop state.

- <u>Result:</u> "TRACK VIEW" menu is displayed on the screen. The screen is split into 9 with each screen picture being reproduced for 4 seconds.

 - Press PREV.(Id) button to see the previous tracks.
- Select a track by pressing the Digits buttons.
- 2 Select a track by pressi 3 Press the (►II) button.
 - Result: The picture that you selected is displayed in full screen.
 - When you wish to stop the DISC VIEW function, press button.
 - When using more than 10 tracks :

Press the Digits and +10/0 button, select the desired track number

(Reference page 14).

- Press NEXT(►►) button to see the next track.
- Press PREV.($\blacktriangleright\!\!\!\!<\!\!\!\!<\!\!\!\!<$) button to see the previous track.



When you want to select an INDEX

This function is convenient to search a desired scene as it displays a track reproduced by time.

- 1 Reproduce the pictures by pressing the (►II) button.
- 2 Press the **Disc View** button.
 - <u>Result:</u> "INDEX VIEW" menu is displayed on the screen. The screen is split into 9 with each screen picture being reproduced for 4 seconds.
- **3** Reproduce the pictures by pressing a desired **Digits** button. <u>Result:</u> The one of nine picture is displayed in full screen.



ZOOM Function

- Press Zoom button during playback. <u>Result</u>: The picture being reproduced will be enlarged twice as large as the previous one.
- Press Zoom button once more in the state of double sized zoom. <u>Result</u>: The picture being reproduced is enlarged four times as large as the initial one.
- **3** Press **Zoom** button in the state of four times sized zoom. <u>Result:</u> The picture will return to the initial size.
 - During operating the zoom function, if you want to move the picture upward/downward/leftward/rightward, please press the respective **Digits** button (2,4,6,8).



Last Memory Function

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.



Searching for and Storing the Radio Stations

You can store up to:



- Switch the system on by pressing On/Standby.
- 2 Select the TUNER function by pressing TUNER.
- 3 Select the required frequency band by pressing **TUNER (Band)** again on the front panel or **Band** on the remote control. <u>Result</u>: The appropriate indication is displayed:

FM	Frequency Modulation
AM(MW)	Medium Wave
LW(OPTION)	Long Wave
SW1, SW2(OPTION)	Short Wave

4	To search for a station	Press Tuning Mode
	Manually	One or more times until MANUAL is displayed.
	Automatically	One or more times until AUTO is displayed.

- 5 Select the station to be stored by:
 - Turning the Multi Jog knob to the right or to the left to increase or decrease the frequency respectively or
 - ♦ Pressing Tuning ∨ or ∧ on the remote control
 - To scroll through the frequencies faster when searching manually, hold down the Tuning Down or Up 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.
- 6 Adjust the volume by:
 - Turning the Volume knob on the front panel or
 - Pressing the VOL. + or buttons on the remote control
- 7
 - Select the stereo or mono mode by pressing Mono/ST.
- 8 If you do not want to store the radio station found, revert to Step 4 and search for another station.
 - Otherwise:
 - a Press Preset/Memory. <u>Result:</u> The PRGM is displayed for a few seconds.
 - Press Tuning Down and Up to assign a program number between 1 and 15.
 - c Press Preset/Memory to store the radio station. <u>Result:</u> PRGM is no longer flashed and the station is stored.
- **Q** To store any other radio frequencies required, repeat Steps **3** to **8**.
- The PROGRAM function can be used to assign a new station to an existing program number.





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Selecting a Stored Station

You can listen to a stored radio station as follows:

- 1 Switch the system on by pressing On/Standby.
- 2 Select the TUNER function by pressing Tuner on remote control.
- 3 Select the required frequency band by pressing **Band** on the remote control or **TUNER** (Band) again on the front panel.
- 4 Press the Tuning Mode button on the front panel of the unit, or the Tuning Mode button on the remote control until "PRESET" is displayed.
- 5 Turning Multi jog on the front panel left or right until the desired station is found or press I←4 / ▶▶ to select the desired station. or Select the desired station by pressing the station number stored,

using the **Tuning** \checkmark or \land button on the remote control. <u>Result:</u> The desired station is now received.



Improving Radio Reception

You can improve the quality of radio reception by:

- Rotating the FM or AM(MW) aerial
- Testing the positions of the FM and AM(MW) aerials before fixing them permanently
- If reception from a specific FM radio station is poor, press Mono/ST. to switch from stereo mode to mono. The quality of the sound will be improved.



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Listening to a Cassette

- Always treat your cassettes with care; refer, if necessary, to the section entitled "Precautions When Using Audio Cassettes" on page 27.
- 1 Switch the system on by pressing the On/Standby button.
- 2 Select the TAPE function by pressing TAPE on the front panel.
- 3 Open either cassette deck 1 or 2 by pushing and releasing the deck cover where PUSH EJECT (▲) is written.
- 4 Insert the pre-recorded cassette with the open edge of the tape facing downward.
- 5 Close the deck by pushing on it until it clicks into place. <u>Result</u>: Depending on the deck selected, the 1 or 2 indication is displayed in front of the counter number.
- 6 If you have inserted two cassettes, press Deck 1/2 on the front panel or directly the Deck 1/2 button on the remote control to select the cassette to be played.

<u>Result:</u> Depending on the deck selected, the TAPE 1 or TAPE 2 indication is displayed.

- To listen to...
 Press ...

 Side A
 TAPE (◄►) once
 DECK 1 and DECK 2

 Side B
 TAPE (◄►) twice
 DECK 2 only

 Result:
 The cassette starts playing.
- 8 When the cassette is stopped, select one of the following functions as required.

То	Press
Rewind the cassette	₩
Fast-forward the cassette	▶▶



CD Synchro Record Feature

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

- Synchronised recording
- Direct 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 On/Standby.
 - Insert a blank cassette in Deck 2.
- 3 Select the VCD/CD function by pressing VCD/CD on the front panel.
- 4 Load a compact disc.
- 5 Select the required disc.

2

- 6 Select the required track and press CD Synchro or press CD Synchro directly to start recording at the beginning of the disc. <u>Result:</u> REC is displayed and recording starts.
- 7 To stop recording, press ■.



Recording a Compact Disc

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

- You can only record on cassettes in Deck 2.
- You do not need to adjust the volume, as it has no effect on the recording.
- 1 Switch your system on by pressing On/Standby.
- 2 Insert a blank cassette in Deck 2.
- 3 Select the VCD/CD function by pressing VCD/CD on the front panel.
- 4 Load the compact disc.
- 5 Select the required disc.

6 Select the required track on the compact disc and press ►II on the front panel or ►II on the remote control to set the compact disc player to Pause mode.

- 7 ^{mode.} Press the **REC/Pause**.
- 8 Result: REC is displayed.
- Press the ►II to start playing the track.
- **Q** <u>Result:</u> The track is recorded on the cassette.

To stop recording, press ■.



Recording a Radio Program

You can record a radio program of your choice.

- You can only record on cassettes in Deck 2.
- You do not need to adjust the volume, as it has no effect on the recording.
- 1 Switch the system on by pressing On/Standby.
- 2 Insert a blank cassette in Deck 2.
- 3 Select the TUNER function by pressing TUNER.
- 4 Select the radio station that you wish to record by pressing Tuning ∧ or ∨ on the remote control or by press the Tuning Down or Up on the front panel.
- 5 Press REC/Pause.

 $\underline{\text{Result:}}\ REC$ is displayed in red and recording starts.

6 To stop recording, press ■.



Copying a Cassette (Dubbing)

You can copy a cassette from Deck 1 to Deck 2. Two options are available:

- Normal speed dubbing
 - High-speed dubbing
 - You do not need to adjust the volume, as it has no effect on the recording.
 - Take care not to insert the tape to be copied in Deck 2, as it will be erased when you start recording.

- 2 Insert a blank cassette in Deck 2.
- **3** Insert the tape to be copied in Deck 1.

4 To copy a cassette at... Press... Normal speed Normal Dubbing High speed Hi-Speed Dubbing <u>Result:</u> The appropriate indications are displayed and the cassette in Deck 1 is copied to the cassette in Deck 2.

5 To stop dubbing, press ■.



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 **Counter Reset**.



Selecting the Cassette Playback Mode (Deck 2 Only)

Your mini-compact system has three cassette playback modes which enable you to listen to both sides of a cassette automatically.

Press REV.Mode until the appropriate symbol is displayed.

When the display indicates... The mini-compact system plays back...



Timer Function

	timer enables you to switch the system on or off at cific times.	➤ If t dis
	mple: 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. 	© On/Standby
	 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. 	Ęcho
1	Switch the system on by pressing On/Standby .	
2	Press Timer/Clock until 🕘 TIMER is displayed.	MC 1
3	Press Return/Enter. <u>Result:</u> 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.	
4	 Set the timer switch-on time. a Set the hour by tuning the Multi Jog knob to the right or to the left. b Press Return/Enter. <u>Result:</u> The minutes flash. c Set the minutes by tuning the Multi Jog knob to the right or to the left. d Press Return/Enter. Result: OFF TIME is displayed (instead of the equalizer symbols) 	О т
	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 tuning the Multi Jog knob to the right or to the left. b Press Return/Enter . <u>Result:</u> The minutes flash. c Set the minutes by tuning the Multi Jog knob to the right or to	Ca
	c Ose the left. d Press Return/Enter. <u>Result:</u> VOL XX is displayed, where XX corresponds to the volume already set.	After haby the T by the T to use t
6	Press Tuning Down and Up to adjust the volume level and press Return/Enter.	> You
-	Result: The source to be selected is displayed.	To. Ca
7	Turn the Multi Jog knob to select the source to be played when the system switches on.	Cal

If you select ... You must also TAPE (cassette) Insert a recorded cassette in one of the decks before setting the system to standby. TUNER (radio) a Press Return/Enter. b Select the FM or AM frequency band by tuning the Multi Jog knob to the right or to the left. c Press Return/Enter. d Select a preset station by tuning the Multi Jog knob to the right or to the left. CD (compact disc) a Load one or more compact discs. **b** Select the required disc. 8 Press Return/Enter to confirm the timer.

Press On/Standby 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.



To set the timer function

You may use Multi Jog or I >>> buttons to adjust in step 4, 5, 6, 7.

Cancelling 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	Once. <u>Result</u> : ① is no longer displayed.
Restart the timer	Twice. <u>Result</u> : ① is displayed again.



Mute Function

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

- Press Mute.
- 2 To switch the sound back on (at the same volume as before), press Mute again or the Volume buttons.



Power Sound/Surround Function

Your mini-compact system is equipped with the function of Power Sound and Power Surround.

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

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

Press Power Surround button on the front panel until the required option is selected. Each time the Power Surround button is pressed, "P,SOUND, P,SURR, OFF" are selected in this order.



Selecting an Equalizer Preset

Your mini-compact 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 EQ on the front panel until the required option is selected.

To obtain a	Select
Normal balance (linear)	PASS
Balance suitable for pop music	POP
Balance suitable for rock music	ROCK
Balance suitable for classic music	CLASSIC



D.S.P Function

This model provides D.S.P modes so that you can enjoy virtually original sound.

Press D.S.P on the front panel until the required option is selected. Each time the D.S.P button is pressed, "CINEMA (Cinema mood), LIVE(Live house sound), HALL(Concert hall mood), PASS" are selected in this order.



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 AI Sleep. <u>Result</u>: playback starts and the following indications are displayed:

90 MIN

2 Press **AI Sleep** one or more times to indicate how long the system should continue playing before it switches off:

- At any time, you can:
 - Check the remaining time by pressing AI Sleep
 - Change the remaining time by repeating Steps 1 and 2
- Press AI Sleep one or more times until AI SLEEP is displayed. <u>Result</u>: The system will automatically switch off at the end of the disc or cassette.
- 4 To cancel SLEEP function, press Al Sleep one or more times until OFF is display.



Super Bass Sound

Your mini-compact system has a bass amplification function called S.Bass (Super Bass Sound). This function makes the sound more powerful and real.

- Press the S. BASS button on the front panel. <u>Result</u>: S. BASS is displayed and "SBS ON" is displayed for a few seconds.
- 2 To cancel this function, press S. BASS again.



Microphone Function

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

Preparation

Plug the microphone with a 6.3ø mic jack into microphone terminal.

- 1 Turn the Mic Mixing switch to adjust the MIC1, MIC2 volume.
- 2 Press Echo button.
- The Power Surround function and D.S.P function are not available if pluging the Microphone into Mic jacks.



Connecting Headphones

You can connect a set of headphones to your mini-compact 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. <u>Result</u>: The loudspeakers are no longer used to output the sound.

Prolonged use of headphones at a high volume may damage your hearing.



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Safety Precautions

The following diagrams illustrate the precautions to be taken when using or moving your mini-compact system.



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



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.



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



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 shock.



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



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



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



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

Cleaning Your Mini-Compact System

To obtain the best possible results from your mini-compact 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

Outer Casing

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

- 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 your local dealer).

Tape Decks

- Press Push Eject(▲) to open the cassette deck.
- - 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, etc.).
 - 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 Discs

- 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 case.
- 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.
- Always use compact discs marked digg .



Precautions When Using Audio Cassettes

- Check that the tape in the cassette is sufficiently taught.
- 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 case.
- 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 Service

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	Checks/Explanation
GENERAL	The system does not work	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. The On/Standby button has not been pressed.
	There is no sound	 The volume has been completely turned down. The correct function (TUNER, 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 <i>Timer On/Off</i> .
	In case it does not work, even the action is taken as above.	 Press the S.BASS button for 5 seconds in power 'OFF'(standby), then it is returned the original position (RESET)
C D / M P 3 C	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 a least one hour.
D	The MP-3 CD player cannot be played.	• Use the PC to confirm if the extension is *.mp3.
CASSETTES	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.
	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 of:

- 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.

SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

RADIO	
LW (OPTION)	
Usable sensitivity	60 dB
SW (OPTION)	
Usable sensitivity	40 dB
AM (MW)	
Signal/noise ratio	40 dB
Usable sensitivity	54 dB
Total harmonic distortion	2 %
FM	
Signal/noise ratio	62 dB
Usable sensitivity	10 dB
Total harmonic distortion	0.3 %
Capacity	3 discs
Frequency range	20 Hz - 20 KHz (± 1 dB)
Signal/noise ratio	90 dB (at 1 KHz) with filter
Distortion	0.05 % (at 1 KHz)
Channel separation	74 dB
Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm
Frequency range	125 Hz ~ 12 KHz
Signal/noise ratio	40 dB
Channel separation	35 dB
Erasing effect	60 dB
AMPLIFIER	
Output power	
 (6 Ω) 	2 x 60 Watts RMS (total harmonic distortion: 10 %)MAX-VL65
 MAIN (4 Ω) 	2 x 40 Watts RMS (total harmonic distortion: 10 %) ·······MAX-VL69
 SUBWOOFER (8 Ω) 	2 x 80 Watts RMS (total harmonic distortion: 10 %) ·······MAX-VL69
Channel separation	50 dB
Signal/noise ratio	75 dB
GENERAL	••••
Dimensions	270 (W) x 332 (H) x 410 (D) mm

THIS APPLIANCE IS MANUFACTURED BY:



AH68-00939B