

DVD Mini Hi-Fi System

FWD182

User manual

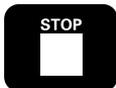


PHILIPS

DEMO MODE

To turn ON

Press & HOLD

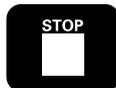


button

for 5 seconds

To turn OFF

Press & HOLD



button

for 5 seconds

PLUG & PLAY -for tuner installation

1



Plug in the unit

2

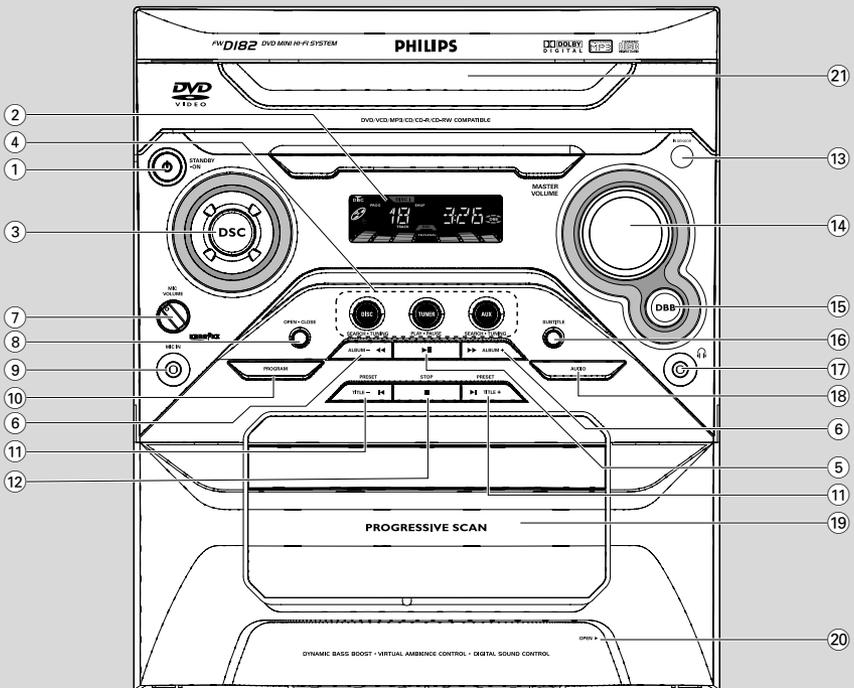


Follow instructions
in the display

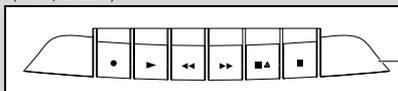
3



Press "PLAY"



Top view of cassette key



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CAUTION

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

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Features

Your DVD Mini Hi-Fi System with 2-channel full analog amplifier creates the same dynamic sound qualities that you find in full-fledged cinemas and incorporates some of the best features in home theater technology.

Other features include:

Built-in Dolby Digital decoder, supporting virtual surround and stereo.

Additional Component Connections

Lets you connect other audio and audio/visual components to the system so you can use the system's speakers.

Night mode

Lets you compress the dynamic range, reducing the difference in loudness between different sounds in Dolby Digital mode.

Parental control (rating level)

Lets you set a rating level so that your children cannot watch a DVD that has a rating higher than you set.

Sleep timer

Enables the system to switch to standby mode automatically at a preset time.

Discs for playback

Your DVD Mini Hi-Fi System will play:

- Digital Video Discs (DVDs)
- Video CDs (VCDs)
- Super-Video CDs (SVCDs)
- Digital Video Discs + Rewritable (DVD+RW)
- Compact Discs (CDs)
- Picture (Kodak, JPEG) files on CDR(W)
- Supported MP3-CD format.
- ISO 9660 / UDF format
- Max. title/album name –12 characters
- Max. title number plus album is 255.
- Max. nested directory is 8 levels.
- The max. album number is 32.
- The max. MP3 track number is 999.
- Supported sampling frequencies for MP3 disc: 32 kHz, 44.1 kHz, 48 kHz.
- Supported Bit-rates of MP3 disc are: 32, 64, 96, 128, 192, 256 (kbps).
- Following formats can't be supported
- The files like *.VMA, *.AAC, *.DLF, *.M3U, *.PLS, *.WAV
- Non-English Album/Title name
- The discs recorded under Joliet format



Region codes

DVDs must be labeled for **ALL regions** or for **Region 4** in order to play on this system. You cannot play discs that are labeled for other regions.



Notes:

- For mixed mode discs, only one mode will be selected for playback according to the recording format.
- If you are having trouble playing a certain disc, remove the disc and try a different one. Improperly formatted discs will not play on this system.

Supplied accessories

- Composite video cable (yellow)
- Component video cables (red/blue/green)
- Audio cables (white, red)
- FM wire antenna
- MW loop antenna
- Remote Control
- AC power cable



- This instruction booklet and a Quick Use Guide

General Information/Maintenance

Environmental information

Any unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your system consists of materials which can be recycled and reused if disassembled by a specialised company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Care and safety information

Avoid high temperatures, moisture, water and dust

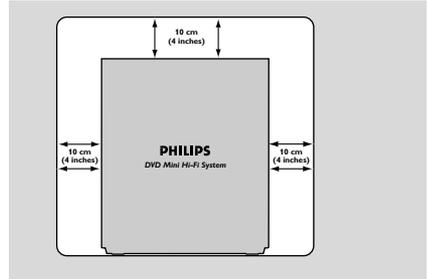
- Do not expose the system, batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight). Always keep disc trays closed to avoid dust buildup on the lens.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Don't expose the system to dripping or splashing.
- Install this unit near the AC outlet and where the AC Power can be reached easily.
- When the system is switched to standby mode, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the wall sockets.

Avoid condensation problem

- The lens may cloud over when the player is suddenly moved from cold to warm surroundings, making it impossible to play a disc. Leave the player in the warm environment until the moisture evaporates.

Do not block the vents

- Do not operate the system in an enclosed cabinet and allow about 10 cm (4 inches) of free space all around the player for adequate ventilation.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers table-cloths, curtains, etc.



Cleaning the cabinet

- Use soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Cleaning discs

- To clean a CD, wipe it in a straight line from the center towards the edge using soft and lint-free cloth. A cleaning agent may damage the disc.
- Write only on the printed side of a CDR(W) and only with a soft felt-tipped pen.
- Handle the disc by its edge. Do not touch the surface.



Cleaning the disc lens

- After prolonged use, dirt or dust may accumulate at the disc lens. To ensure good playback quality, clean the disc lens with Philips CD Lens Cleaner or any commercially available cleaner. Follow the instructions supplied with cleaner.

Finding a suitable location

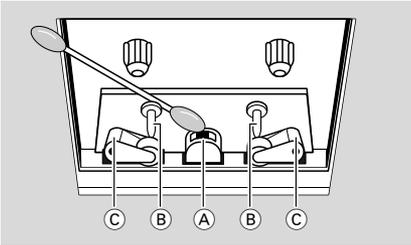
- Place the player on a flat, hard, stable surface.

Cleaning the head and the tape paths

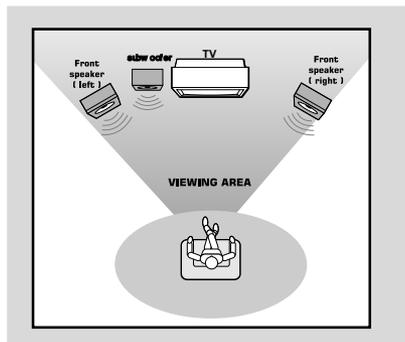
- To ensure good recording and playback quality, clean the head (A), the capstan(s) (B), and pressure roller(s) (C) after every 50 hours of tape operation.
- Use a cotton swab slightly moistened with cleaning fluid or alcohol.
- You also can clean the head by playing a cleaning tape once.

Demagnetising the head

- Use a demagnetising tape available at your dealer



Step 1: Placing speakers and subwoofer

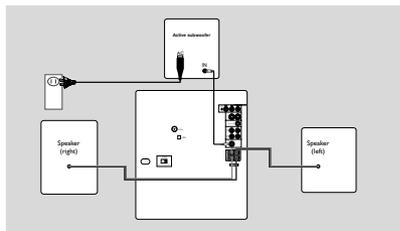


Place the front left and right speakers at equal distances from the TV set and at an angle of approximately 45 degrees from the listening position.

Notes:

- To avoid magnetic interference, do not position the front speakers too close to your TV set.
- Allow adequate ventilation around the DVD Mini Hi-Fi System.

Step 2: Connecting speakers and subwoofer



Connect the speaker wires to the SPEAKERS (FRONT) terminals, right speaker to "R" and left speaker to "L", coloured (marked) wire to "+" and black (unmarked) wire to "-". Fully insert the stripped portion of the speaker wire into the terminal as shown.

Connect the subwoofer using subwoofer cable to the SUBWOOFER OUT jack on the DVD Mini Hi-Fi System to active input jack.

Notes:

- For optimal sound performance, use the supplied speakers.
- Do not connect more than one speaker to any one pair of +/- speaker terminals.
- Use an active subwoofer only.
- Do not connect speakers with an impedance lower than the speakers supplied. Please refer to the SPECIFICATIONS section of this manual.

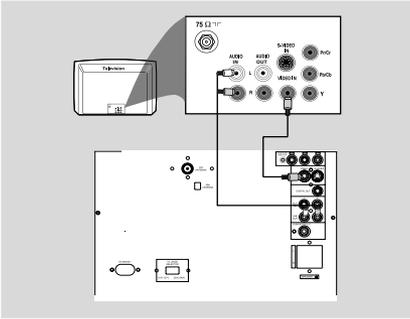
Speakers	⊖	⊕
Front Left (L)	Black	White
Front Right (R)	Black	Red

IMPORTANT!

The type plate is located on the rear of the system.

To avoid overheating of the system, a safety circuit has been built in. Therefore, your system may switch to Standby mode automatically under extreme conditions. If this happens, let the system cool down before reusing it.

Step 3: Connecting TV set



IMPORTANT!

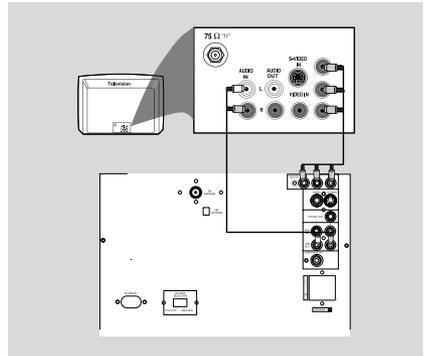
- You only need to make one video connection from the following options, according to the capabilities of your TV system.
- S-Video or Component Video connection provides higher picture quality. These options must be available on your TV set.
- Connect the system directly to the TV set.

Using Video In jack (CVBS)

- Use the composite video cable (yellow) to connect the system's **VIDEO** jack to the video input jack (or labeled as A/V In, Video In, Composite or Baseband) on the TV set.

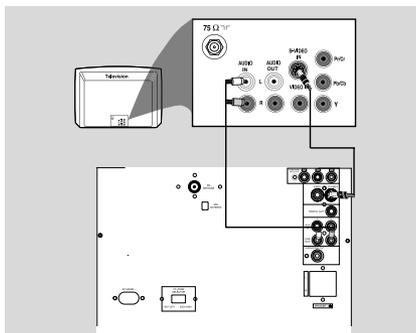
Using LINE OUT jack (L/R)

- To listen this system channels through TV, use the audio cables (white/red) to connect **LINE OUT (L/R)** jacks to the corresponding AUDIO IN jacks on the TV set.



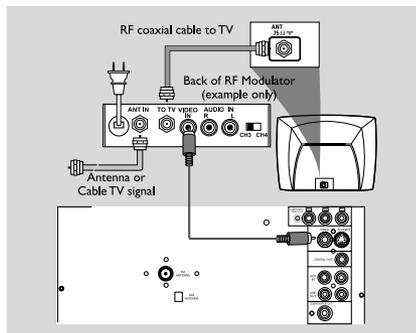
Using component Video In jack (Pr Pb Y)

- Use the component video cables (red/blue/green) to connect the system's **Pr Pb Y** jacks to the corresponding Component video input jacks (or labeled as Pr, Pb, Y or YUV) on the TV set.
- To listen this system channels through TV, use the audio cables (white/red) to connect **LINE OUT (L/R)** jacks to the corresponding AUDIO IN jacks on the TV set.



Using S-Video In jack

- Use the S-Video cable (not supplied) to connect the system's **S-VIDEO** jack to the S-Video input jack (or labeled as Y/C or S-VHS) on the TV set.
- To listen this system channels through TV, use the audio cables (white/red) to connect **LINE OUT (L/R)** jacks to the corresponding AUDIO IN jacks on the TV set.



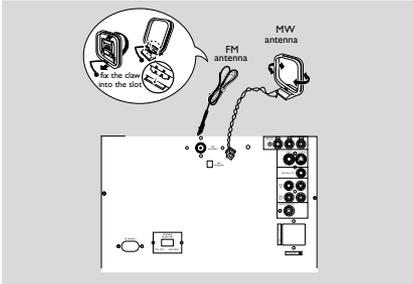
Using an accessory RF modulator

- Use the composite cable (yellow) to connect the system's **VIDEO** jack to the video input jack on the RF modulator.
- Use the RF coaxial cable (not supplied) to connect the RF modulator to your TV's RF jack.

IMPORTANT!

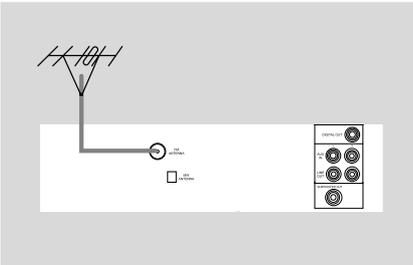
– If your TV set only has a single **Antenna In jack (or labeled as 75 ohm or RF In)**, you will need a RF modulator in order to view the DVD playback via TV. See your electronics retailer or contact Philips for details on RF modulator availability and operations.

Step 4: Connecting FM/MW antennas



- Connect the supplied MW loop antenna to the **MW** jack. Place the MW loop antenna on a shelf or attach it to a stand or wall.
- Connect the supplied FM antenna to the **FM** jack. Extend the FM antenna and fix its end to the wall.

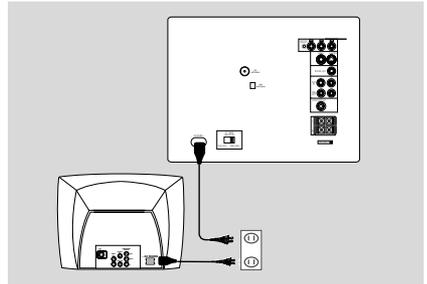
For better FM stereo reception, connect an outdoor FM antenna to the FM ANTENNA



Notes:

- Adjust the position of the antennas for optimal reception.
- Position the antennas as far as possible from your TV set, VCR or other radiation sources to prevent unwanted interference.

Step 5: Connecting the power cord



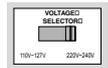
After everything is connected properly, plug in the AC power cord to the power outlet.

Never make or change any connection with the power switched on.

On the DVD Mini Hi-Fi System

"AUTO INSTALL -PRESS PLAY" may appear on the display panel. Press **▶▶** on the front panel to search and store all available radio stations or press **■** to exit.

If your system is equipped with a Voltage Selector, set the VOLTAGE SELECTOR to the local power line voltage.



IMPORTANT!

Before you operate the system, complete the preparation procedures.

Switching the system on

- Press **STANDBY ON**  or **SOURCE**.
→ The system will switch to the last selected source.
- Press **DISC, TUNER, TAPE** or **AUX** on the remote control.
→ The system will switch to the selected source.

Switching the system to Standby mode

- Press **STANDBY ON**  in the active mode.
→ The backlight of display is dim in standby.
- The volume level, interactive sound setting, last selected mode, source and tuner presets will be retained in the player's memory.

Power-saving automatic standby

- As a power-saving feature, the system will automatically switch to standby mode if you do not press any buttons within 30 minutes after a disc or tape has stopped playing.

Demonstration mode

The system has a demonstration mode that shows various features offered by the system.

Activating demonstration

- In Standby, press and hold **STOP** to activate demo mode.
→ "DEMO ON" is displayed.
→ Demonstration will begin.

Deactivating demonstration

- Press and hold **STOP** on the system, or press DISC key, or press **STANDBY ON** key, until "DEMO OFF" is displayed.
→ The system will switch to DISC mode.

Note:

– Even if you remove the AC power cord and reconnect it to the wall socket, the demonstration will remain off until you activate it again.

Plug and Play (for tuner installation)

Plug and play allows you to store all available radio stations automatically.

If plug and play has not been installed

- 1 When you turn on the system, "AUTO INSTALL - PRESS PLAY" will be displayed.
- 2 Press **▶II** on the system to start installation.
→ "INSTALL" will be displayed and followed by "TUNER" and then "AUTO PROG".
→ **PROG** will start to flash.
→ The system will search all radio stations on the FM band, and then the MW band.
→ All available radio stations with strong signal strength will be stored automatically.
→ The system will stop searching when all available radio stations are stored or when the memory for 40 preset radio stations is full.
→ The first preset radio station will play when Plug and Play is completed.

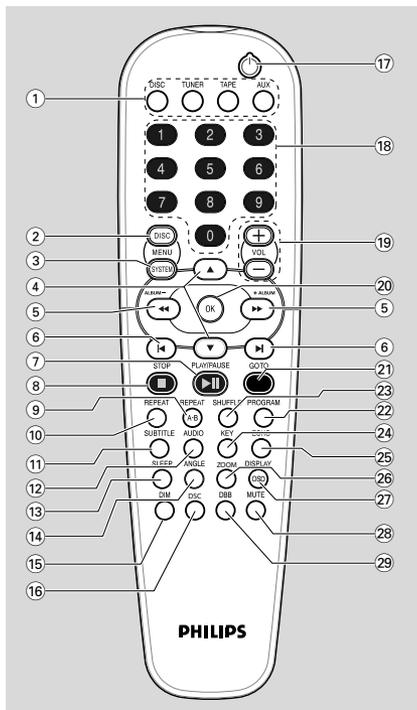
Reinstalling plug and play

- 1 In Standby mode, press and hold **▶II** on the system until "AUTO INSTALL - PRESS PLAY" is displayed.
- 2 Press **▶II** again to start installation.
→ All previously stored radio stations will be replaced.

To exit without storing the plug and play

- Press **■** on the system.

Remote control



Notes:

- First, select the source you wish to control by pressing one of the source select keys on the remote control (DISC or TUNER, for example).
- Then select the desired function (▶▶, ◀◀ or ▶/◀ for example).

① SOURCE

- to select the relevant active mode: DISC, TUNER, TAPE or AUX.
- TUNER: toggles between FM and MW band.

② DISC MENU (disc mode only)

- to enter or exit the disc contents menu.

③ SYSTEM MENU (disc mode only)

- to enter or exit the system menu bar:

④ ▲ / ▼

- to select movement direction in disc contents menu/system menu bar.

⑤ ◀◀ / ▶▶

- to tuner mode, to tune to lower or higher radio frequency. (◀◀ / ▶▶)

- in Disc mode, press to fast reverse/forward the disc.

⑥ ◀ / ▶

- in Disc mode, press to skip to the previous/next chapter/track.

- in Tuner mode, to select a preset radio station number

⑦ PLAY/PAUSE ▶||

- to start or interrupt disc playback.
- to resume playback from last stop point.

⑧ STOP ■

- to stop playing the disc.

⑨ REPEAT A-B

- to repeat a specific section on a disc.

⑩ REPEAT

- to select variations of continuous playback.

⑪ SUBTITLE

- to select desired subtitle.

⑫ AUDIO

- to select the audio channel.

⑬ SLEEP

- to set the sleep timer function.

⑭ ANGLE

- to select the angles cyclically.

⑮ DIM

- to select different brightness for VFD.

⑯ DSC

- to select various sound effect.

⑰ POWER ⏻

- to switch to standby mode.

⑱ Numeric Keypad (0-9)

- to enter a track/title number of the disc.
- to enter a number of preset radio stations.

⑲ VOL +/-

- adjust the volume level.
- adjust key control/ ECHO level in karaoke mode.
- adjust speakers level in speaker setting mode.

⑳ OK

- to exit or confirm the selection.

㉑ GOTO

- to go direct to desired title, chapter or time.

㉒ PROGRAM

- in disc mode, to program favorite tracks.
- in tuner mode, to program favorite stations.

㉓ SHUFFLE

- to playback in random mode.

- ②4 **KEY**
– to change the tone level to suit your vocal range.
- ②5 **ECHO**
– to adjust the echo level in karaoke mode.
- ②6 **ZOOM**
– to access the Zoom function.
- ②7 **DISPLAY (OSD)**
– to view the time, title or chapter information.
- ②8 **MUTE**
– to interrupt or resume sound reproduction.
- ②9 **DBB**
– to settings to enhance the bass response.

Controls on the system *(illustrations on page 3)*

- ① **STANDBY ON**
– to switch the system on or Standby mode.
- ② **DISPLAY SCREEN**
– to view the current status of the system.
- ③ **DSC**
– to select various sound effect:
- ④ **SOURCE DISC**
– to select disc tray.
- TUNER**
– to select waveband:FM/MW.
- AUX**
– to select a connected external source: AUX(auxiliary)
- ⑤ **▶|| (PLAY/PAUSE)**
for DISC to start or interrupt playback.
- ⑥ **◀◀ / ▶▶**
for DISC press to search backward/forward.
for TUNER ----- to tune to a lower or higher radio frequency.
- ⑦ **MIC VOL.**
– to adjust the mixing level for karaoke or microphone recording.
- ⑧ **OPEN.CLOSE**
– to open or close the disc tray.
- ⑨ **MIC IN**
– to connect microphone jack.
- ⑩ **PROGRAM**
– for DISC..... to program favorite tracks.

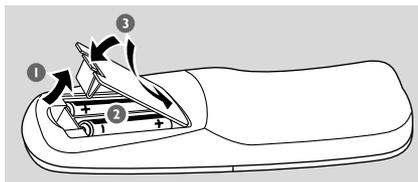
- for TUNER..... to program favorite stations.
- ⑪ **I◀ / ▶I**
– for DISC.....to skip to the previous/next chapter/track.
- for TUNER.....to select a preset radio station.
- ⑫ **STOP ■**
for DISC to stop playback or to clear a programme.
- ⑬ **SENSOR**
– point the remote control towards this sensor:
- ⑭ **VOLUME**
– to adjust master volume level.
- ⑮ **DBB**
– to settings to enhance the bass response.(Dynamic Bass Boost)
- ⑯ **SUBTITLE**
– to select the preferred language for subtitle.
- ⑰ **🎧**
– to connect headphones.
- ⑱ **AUDIO**
– to select the audio channel.
- ⑲ **TAPE DECK**
- ⑳ **▶ OPEN**
– to open the tape deck door.
- ㉑ **DISC TRAY**
- ㉒ **CASSETTE KEY**
– to control cassette play.

Preparations

IMPORTANT!

– Make sure to complete the preparation procedures before operating the system.

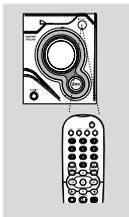
Step 1: Inserting batteries into the remote control



- 1 Open the battery compartment.
- 2 Place two batteries (Type R06 or AA) in the compartment with the correct polarity as indicated by “+” and “-” symbols.
- 3 Close the cover.

Using the remote control to operate the system

- 1 Point the remote control directly at the remote sensor (IR) on the front panel.
- 2 Select the source you wish to control by pressing one of the source select buttons on the remote control (for example TAPE, TUNER).
- 3 Then select the desired function (for example or).



CAUTION!

- Remove batteries if they are exhausted or will not be used for a long time.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed of properly.

Step 2: Setting the TV set

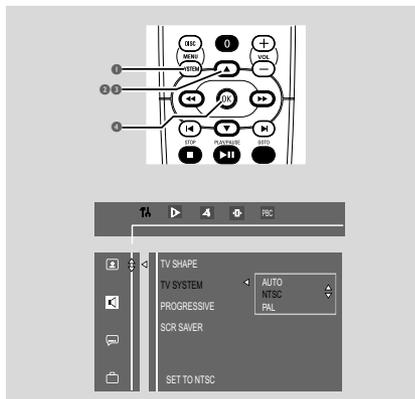
IMPORTANT!

– Make sure you have completed all the necessary connections.

- 1 Press **DISC** on the front panel (or press **DISC** on the remote control).
- 2 Turn on the TV set and set to the correct Video-In channel. You should see the blue Philips DVD background screen on the TV set.
 - You may go to channel 1 on your TV set, then press the channel down button repeatedly until you see the Video In channel.
 - Or, you can use the TV remote control to select different video modes.
 - Or, set TV to channel 3 or 4 if you are using an RF modulator.

Selecting the color system that matches your TV set

This DVD Mini Hi-Fi System is compatible with both NTSC and PAL. For the playback of a DVD disc on this DVD Mini Hi-Fi System, the color systems of the DVD, TV set and DVD Mini Hi-Fi System should match.



- 1 In disc mode, stop playback and press **SYSTEM MENU**.
- 2 Select  icon and press ▼.
- 3 Press ◀ / ▶ / ▲ / ▼ keys on the remote control to toggle through the functions and select your preferred option.
 - Move to  and press ▶▶.
 - Move to "TV System" and press ▶▶.

AUTO

– Select this if the connected TV set is compatible with both NTSC and PAL (multi system). The output format will be consistent with the video signal of the disc.

NTSC

– Select this if the connected TV set is NTSC system. It will change the video signal of a PAL video disc and output to NTSC system.

PAL

– Select this if the connected TV set is PAL system. It will change the video signal of an NTSC disc and output to PAL format.

- 4 Select an item and press **OK**.

To remove the menu

Press **SYSTEM MENU**.

Step 3: Setting language preference

You can select your preferred language settings so that this DVD Mini Hi-Fi System will automatically switch to the language for you whenever you load a disc. If the language selected is not available on the disc, the language set by default will be used instead. But the menu language of the DVD Mini Hi-Fi System cannot be changed once selected.



- 1 In disc mode, stop playback and press **SYSTEM MENU**.
- 2 Select  icon and press ▼.
- 3 Press ◀ / ▶ / ▲ / ▼ keys on the remote control to select your preferred option.
 - Move to  and press ▶▶.
 - Move to one of the following and press ▶▶.
 - Audio (disc's soundtrack)
 - Subtitle (disc's subtitles)
 - Disc Menu (on screen menu)
- 4 Press ▲ / ▼ to select a language and press **OK**.
- 5 Repeat **steps 3~4** for other settings.

To remove the menu

Press **SYSTEM MENU**.

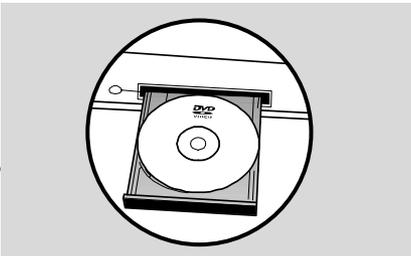
Disc Operations

IMPORTANT!

- This system is designed for regular discs. Therefore, do not use any accessories such as disc stabiliser rings or disc treatment sheets, etc., as offered on the market, because they may jam the disc mechanism.
- Do not move the system during playback. Doing so may damage the system.
- Do not push on the disc tray or put any object other than disc on the disc tray. Doing so may cause the system to malfunction.
- DVD discs and players are designed with regional restrictions. Before playing a disc, make sure the disc matches the regional code of your player.
- According to the format requirement of DVD or VCD, some operations may be different or restricted.

Playing discs

- 1 Press **STANDBY ON**  to switch on the system, and then press **DISC** to select disc mode.
- 2 Power on the TV system and set to the correct Video In channel.
→ You should see the blue Philips DVD background screen on the TV set.
- 3 Press **OPEN/CLOSE** to open the disc tray and load a disc respectively.
→ Make sure the disc label is facing up. For double-sided discs, load the side you want to play facing



- 4 Press **OPEN•CLOSE** to close the disc tray.
→ "DISC LOADING" will be displayed.

- Some discs can play automatically. For discs with Table Of Contents, a menu may appear on the TV screen. When the menu is displayed, press **◀◀ / ▶▶ / ▲ / ▼** keys to highlight your selection and press **OK** to confirm. To select a play option, press **numeric keys (0-9)**.
→ If the disc is locked by parental control, you must enter your four-digital password.
- 5 Press **▶II** to start playback.

For MP3

- Load an MP3 disc in the disc tray.
→ Press **DISC MENU** to select menu on/off.

Notes:

- Load discs with the label side facing up.
- To ensure good system performance, wait until disc reading is completed before proceeding.

Using the disc menu

For disc with Table Of Contents, a menu may appear on the TV screen once you load the disc.

To select a playback feature or item

- Press **◀◀ / ▶▶ / ▲ / ▼** or **numeric keys (0-9)** on the remote control, then press **▶II** or **OK** to start playback.

To access or remove the menu

- Press **DISC MENU** on the remote control.

Basic playback controls

To start playback

- Press ►||.

To interrupt playback

- Press ►||.
- To resume playback, press ►|| again.

To stop playback

- Press ■.

Skipping to another title (track) / chapter

- Press ◀ or ▶ on the front panel or on the remote control repeatedly during playback to skip backward or forward. Each press will take the disc to the beginning of the previous or next title (track) / chapter.

Note:

– If the player has been set to repeat chapter (track), pressing this button will replay the same chapter (track) from its beginning.

To go directly to any title (track) / chapter

For CD/VCD/MP3

- Use the **numeric keys (0-9)** to enter the number of the desired track.

For DVD

- Please see "Moving to another title/chapter".

Fast search

- 1 Press ◀◀ or ▶▶ on the front panel (or on the remote control) to fast reverse or forward the disc.
- 2 To resume normal play, press ►||.

Continuing playback from the last stop point

- In Pre-stop mode and before the disc is removed, press ►|| to resume playback from where you have stopped.

To cancel the resume mode

- Press ■ again, or go into **STANDBY, POWER OFF** or press **OPEN/CLOSE** key.

Notes:

- Resume information will be erased if you have changed the disc, opened the disc tray, changed source or disconnected the system from the power supply.
- This function is not available for MP3 disc.

Selecting various mode functions

Repeat play mode

You can only select the Repeat play mode during playback.

For DVD - repeat chapter/title

- Press **REPEAT** repeatedly to select the following:
REPEAT CHAPTER → REPEAT TITLE → REPEAT OFF

For SVCD/VCD/CD - repeat track/disc

- Press **REPEAT** repeatedly to select the following:
REPEAT TRACK → REPEAT DISC → REPEAT OFF

During program playback

- Press **REPEAT** repeatedly to select the following:
REPEAT TRACK → REPEAT PROGRAM → REPEAT OFF

For MP3 repeat - track/album/disc

- Press **REPEAT** repeatedly to select the following:
REPEAT TRACK → REPEAT ALBUM → REPEAT DISC → REPEAT OFF
MENU OFF:
- Press **REPEAT** repeatedly to select the following:
REPEAT TRACK → REPEAT DISC → REPEAT OFF

Notes:

- When you open the disc tray, the Repeat function will be cancelled automatically.
- For SVCD and VCD 2.0 discs, the Repeat function is not available when the PBC function is set to ON.

Disc Operations

Shuffle play mode

In this mode, all tracks in the current directory will be played once in a random order:

- 1 In stop mode, press **SHUFFLE** repeatedly to select the following:
SHUFFLE DISC → REPEAT SHUFFLE DISC → SHUFFLE OFF
- 2 Press **▶II** to start shuffle play.

In shuffle playback mode:

- Press **▶I** button to select another track in a shuffle order.
- 3 Press **■** to stop shuffle playback.

To cancel Shuffle mode:

- Press twice **STOP** to cancel Shuffle mode.

Notes:

- In Tuner, Tape or AUX mode, this button does not function.
- When the disc tray is opened, the Shuffle function will be cancelled automatically.
- This function is only available for CD or VCD.

Repeating a section within a chapter/track

You can play a specific section in a chapter/track repeatedly.

- 1 Press **REPEAT A-B** at your chosen start point.
- 2 Press **REPEAT A-B** again at your chosen end point.
→ The passage will now repeat continuously.
- 3 To resume normal play, press **REPEAT A-B** again.

Note:

- The REPEAT A-B function can only be set within the same chapter or track.

You can play the contents of the disc in the order you want. At most 99 tracks can be stored.

- 1 Load the desired discs on the disc trays.
- 2 While playback is stopped, press **PROGRAM** to enter program mode.
→ "P 00 :00" is displayed.
- 3 Use the **numeric keys (0-9)** to input the track number in the order you want.
→ If you attempt to program more than 99 tracks, "FULL" is displayed.
- 4 Press **OK** to store the track.
- Repeat **steps 3-5** to store other tracks.
- 5 Press **▶II** to play the program.
- 6 To stop playback, press **■** once.
- 7 To exit the program mode, press **■** again.

Note:

- This function is not available for DVD or MP3 discs.

Programing favorite tracks

Special DVD/VCD features

Changing subtitle language

This operation only works on DVDs with multiple subtitle languages.

- Press **SUBTITLE** to select the desired language.

Changing the pictures scales

This operation only works on VCDs/DVDs/ JPEGs with images.

For VCD/DVD:

- Press **ZOOM** to change the zooming scale: ZOOM X1.5 → ZOOM X2 → ZOOM X4 → ZOOM OFF.

For JPEG:

ZOOM ON → ZOOM OFF.

- Select "**ZOOM ON**", then press **I◀ / ▶I** to change the picture zooming scale: 0.25 PCT, 0.50 PCT, 1.00 PCT, 1.50 PCT, 2.00 PCT.
- To pan through the enlarged image, press **◀◀ / ▶▶ / ▲ / ▼** buttons to move the zoomed picture left, right, up or down.
- Select "**ZOOM OFF**" to exit ZOOM mode.

Changing view angle

If the playing DVD disc is recorded with multiple camera angles, the ANGLE mark on the setup page will be set to ON automatically. This allows you to view the picture from different angles.

- Press **ANGLE** buttons to select the desired angle: 1/4, 2/4, 3/4 or 4/4.

Changing sound track language

This operation only works on DVDs with multiple audio languages.

- Press **AUDIO** to select the desired language.

For VCD:

- Press **AUDIO** to select the desired audio channels for sound. This function is only available for discs recorded with different channels: LEFT VOCAL → RIGHT VOCAL → MONO LEFT → MONO RIGHT → STEREO

Note:

– If your desired language is not set in the disc, you cannot select the language via this function.

Searching for a particular passage

- 1 Press **◀◀** or **▶▶** on the system (or on the remote control) to select fast reverse search or fast forward search respectively.
- 2 Press **◀◀** or **▶▶** on the system (or on the remote control) repeatedly to select the required search speed:

For DVD

(reverse): FR X2 → FR X4 → FR X6 → FR X8 → PLAY

(forward): FF X2 → FF X4 → FF X6 → FF X8 → PLAY

For SVCD, VCD or CD

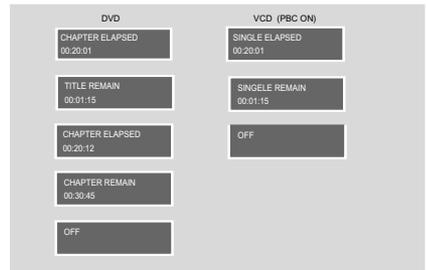
(reverse): FR X1 → FR X2 → FR X3 → FR X4 → PLAY

(forward): FF X1 → FF X2 → FF X3 → FF X4 → PLAY

- 3 To resume normal play, press **▶▶**.

Displaying the disc information during playback

- In disc mode, press **DISPLAY** repeatedly to select the following display information:



Moving to another title / chapter

Some discs may contain more than one title or chapter. If the disc has a title or chapter menu recorded on it, you can start playback from the selected item.

- 1 Press **GOTO** on the remote control to display the message of title and chapter, use **◀◀** or **▶▶** to highlight an item.

Disc Operations

- 2 Use **numeric keys (0-9)** to select a desired title/chapter number.
- 3 Press **OK** to start playback.

Note:

– Selecting a title or chapter might not be possible on certain discs.

Playing from a selected point

This function allows you to start playback at any chosen time on the disc.

For DVD

- 1 Press **GOTO** twice to activate time menu.
- 2 Enter hours, minutes and seconds from left to right in the time edit box using the **numeric keys (0-9)**.
→ Each time an item has been entered, the next item will be highlighted.
- 3 Press **OK** to start playback.

For SVCD, VCD or CD

- 4 Press **GOTO** to activate time menu, "GOTO -- : --" will be displayed on the TV screen.
- 5 Enter minutes and seconds from left to right in the time edit box using the **numeric keys (0-9)**.
→ Each time an item has been entered, the next item will be highlighted.
- 6 Press **OK** to start playback.

Note:

– In repeat disc or repeat all mode, you can search a desired time point.
– This function is not available for MP3 disc.

Some operations can be carried out directly via the menu bar on the TV screen without interrupting disc playback.

- 1 Press **SYSTEM MENU**.
→ The menu bar will be displayed across the top of the TV screen.
- 2 Press **◀◀** or **▶▶** to select:
SETUP MENU → SLOW → ANGLE → STEP → PBC.

- 3 Press **▼** to select the highlighted icon and press **◀◀** / **▶▶** / **▲** / **▼** to select your preferred option.
- 4 Press **OK** to confirm a highlighted selection.
- 5 To exit, press **SYSTEM MENU**.

IMPORTANT!

Some operations may be different or restricted according to the disc format. Refer to the jacket or case of the disc you are playing.

Note:

– When you press a button and  appears on the TV screen, this means the function is not available on the current disc or at the current time.

Playing in slow motion mode



For DVD

- 1 Select  from the menu bar and press **▼** repeatedly to select the required slow motion speed:
SF X 2 → SF X 4 → SF X 8 → SR X 2 → SR X 4 → SR X 8 → PLAY
SF = slow forward
SR = slow reverse

For SVCD or VCD

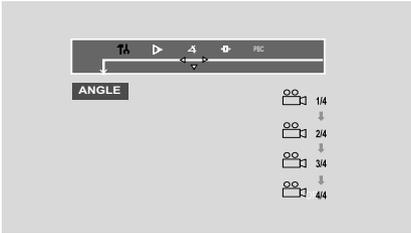
- 1 Press **▼** to select the required slow motion speed:
(forward): SF X 1 → SF X 2 → SF X 3 → PLAY
- 2 Press **▶▶** to cancel the slow function.

Note:

– This function is not available for CD or MP3 disc.

Viewing from another angle

If the playing DVD disc is recorded with multiple camera angles, the ANGLE mark on the setup page will be set to ON automatically. This allows you to view the picture from different angles. Angle selection is determined by the disc format.



- Select **ANGLE** from the menu bar and press **▲** / **▼** buttons to select the desired angle: 1/4, 2/4, 3/4 or 4/4.
→ Playback changes to the selected angle.

Advancing by frames



- 1 Select **STEP** from the menu bar and press **▼** to play the disc step by step (one frame each step).
- 2 To resume normal play, press **▶II**.

Note:

– This function is not available for CD or MP3 disc.

Playback control (PBC)

PBC playback allows you to play Video CD interactively, following the menu on the



- Select **PBC** from the menu bar and press **▼** to toggle between PBC ON and PBC OFF.

Playing a disc with PBC function

- If PBC OFF, the system will start playback automatically.
- If PBC ON, the PBC menu (if available) will appear on the TV screen for selection. Use the **numeric keys (0-9)** to enter your choice.

Note:

– This function is not available for DVD, CD or MP3 disc.

Checking the contents of DVD

- 1 Press **DISC MENU** on the remote control.
→ If the current title has a menu, the menu will appear on the screen. Otherwise, the disc menu will be displayed.
- 2 Press **◀◀** / **▶▶** / **▲** / **▼** to select the desired title or chapter; and then press **▶II** or **OK**.
→ Playback start from the selected title or chapter.
- 3 Press **DISC MENU** on the remote control to go to disc menu of the disc.

Note:

– If no title menu or root menu is recorded in the DVD disc, pressing this button will restart playback from the first track.

MP3/ Picture Disc Operations

Playing MP3/Picture disc (Kodak, JPEG)

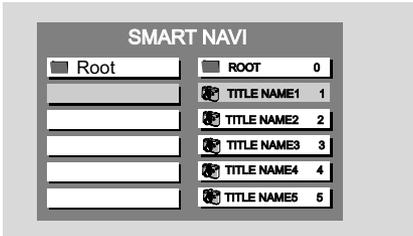
IMPORTANT!

– You have to turn on your TV set and set to the correct Video In channel.

MP3/JPEG Picture disc

- 1 Load an MP3/Picture (JPEG) disc.
→ The disc reading time may exceed 30 seconds due to complexity of the directory/file configuration.
- 2 Playback will start automatically.
→ The album/picture menu will appear on the TV screen. If not, press **DISC MENU** on the remote control.

(MP3 disc menu)



- 3 Press **◀◀ / ▶▶** on remote control to select a desired album, then press **OK** or **▶II** to confirm (for MP3 disc only).
- 4 In STOP mode, press **▲ / ▼** to select a desired title, then press **OK** or **▶II** to start playback.
- You can also use the **numeric keys (0-9)** to enter your choice.
- 5 To stop playback, press **■**.
- 6 Press **◀◀** or **▶▶** on the system to select previous/next album.

If the MP3 menu is switched off

- You can only play the current title by pressing **▶II**. While in playback mode, press **◀** or **▶** to select the previous/next title.
→ The title number will appear.

Notes:

– No album search function in menu off mode.

- 7 During JPEG or Kodak Picture disc playback, press **KEY** repeatedly to select different scan

effect. There are 12 types of scan effect for selection. The selected scan effect will be displayed on the TV screen.

Kodak Picture disc

- 1 Load a Kodak Picture disc.
→ The disc reading time may exceed 30 seconds due to complexity of the directory/file configuration.
- 2 Playback will start automatically.
- 3 Press **■**.
→ 9 thumbnail pictures will appear on the TV screen.

(example for picture disc menu)



- 4 Press **◀** or **▶** to view the previous/next page (if available).
- 5 Press **◀◀ / ▶▶ / ▲ / ▼** to move within the menu and press **OK** to select the desired picture to play.
- 6 Press **KEY** to start the slide-show playback.

During playback, you can:

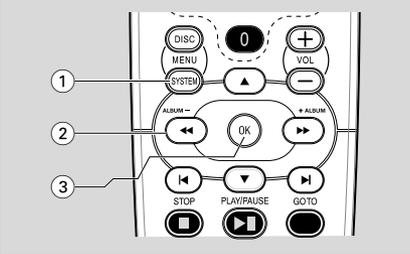
- Press **◀** or **▶** to select another title/picture in the current folder.
- Press **◀◀ / ▶▶ / ▲ / ▼** on the remote control to rotate or flip the picture files.
- Select "ZOOM ON" and press **◀**/**▶** on the system to zoom the picture in and out.
- Press **▶II** to pause/resume playback.

Notes:

- Due to the recording nature of Digital Audio MP3 (DAM), only digital audio music will play.
- It is normal to experience an occasional "skip" while you are listening to your MP3 discs.
- For multi-session discs with different formats, only the first session can be read and played.
- **DISC MENU** does not function during Kodak Picture disc playback.

Using the menu bar

You can continue some operations directly via the menu bar on the TV screen without interrupting the disc playback. But when you enter **⏸** (SETUP MENU), the playback will



- In disc mode, press **SYSTEM MENU**.
→ The menu bar will appear across the top of the TV set screen.



- Press the **◀ / ▶ / ▲ / ▼** on the remote control to navigate in the menu.
→ Press **◀ / ▶** to move through the menu bar.
→ Press **▼** to enter the selection.
- Press **OK** to confirm the selection.
→ Playback will resume or begin automatically.

To remove the menu

Press **SYSTEM MENU** or **OK**.

IMPORTANT!

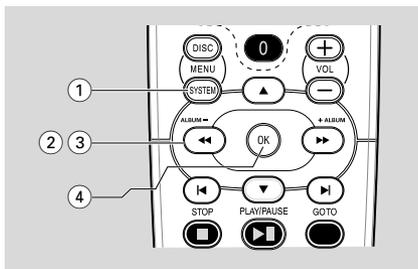
– Some operations may be different or restricted according to the disc format. Refer to the jacket or care of the disc you are playing.

▶	Slow Motion The slow motion speed will display. Press ▼ repeatedly to select a reverse or forward slow motion speed. To cancel the slow function, press ▶▶.
◀	ANGLE Press ▼ to view the same scene from different angles if the DVD is recorded with multi-angles.
◀▶	STEP Press ▼ repeatedly to play forward the disc step by step (one frame every step). To cancel the step function, press ▶▶.
PBC	PBC Press ▼ to select PBC ON or OFF, and then playback will stop automatically. (This function is not available for CD or MP3 discs.)

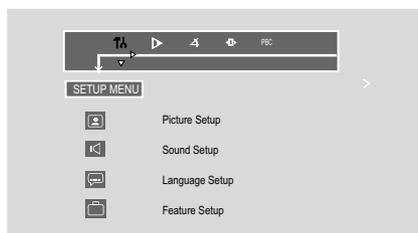
DVD Menu Operations

Using the setup menu (user preference settings)

This DVD setup is carried out via your TV set, enabling you to customize the DVD Mini Hi-Fi System to suit your particular requirements.



- 1 In disc mode, press **SYSTEM MENU**.
→ The menu bar will appear across the top of the TV screen.
- 2 Select and press to enter the setup menu. Then press / to select one of the setup menu options and press to enter the menu.
→ Playback will pause.



- 3 Press / / / on the remote control to navigate in the menu.
- 4 Press **OK** to confirm your selection.
→ Playback will resume or begin automatically.

Removing the menu

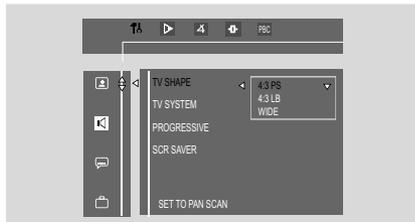
Press **SYSTEM MENU** or **OK**.

Note:

– Some features of the Setup Menu are described in “Preparations”.

Setting the TV shape

Make sure the format you need is available on the disc. If not, your setting will be invalid.



4:3PS (Pan and Scan mode)

Select this if you have a conventional TV set and your DVD is not formatted for wide screen viewing. A wide picture will display on the whole TV screen with a portion automatically cut off.

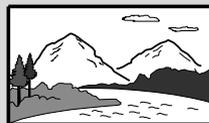
4:3LB (Letterbox mode)

Select this if you have a conventional TV set and your DVD is formatted for wide screen viewing. Black bars appear on the upper and lower portions of the TV screen.

WIDE (Wide-screen TV)

Select this if you have a wide-screen TV set (you must also set your wide screen TV to “full size”).

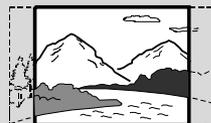
16:9 (Wide screen)



4:3 LB (Letter Box)

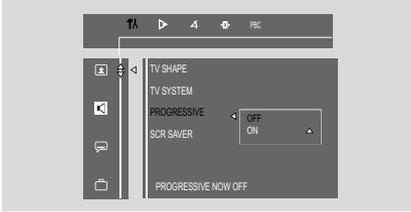


4:3 PS (Pan Scan)



Improving the image for progressive scan video output setting

This feature is only applicable when you have connected this system to a Progressive Scan TV system through the Component Video jacks.



Off

Select this if a conventional TV set is connected to your system.

On

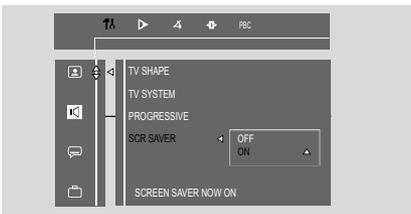
To enjoy the full quality potential offered by progressive scan feature, a progressive scan TV set is required.

You can press and hold **OPEN/CLOSE** on the panel and **1** on the remote control for more than 5 seconds to exit progressive scan .

Notes:

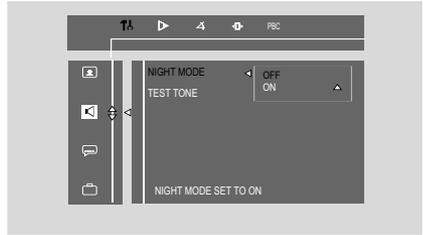
- A progressive scan TV set is required.
- The progressive scan video quality is only possible through PR PB Y output connection.

Setting the screen saver



If set to ON, the screen saver will be activated when you leave the system in stop or pause mode for 5 minutes. The default setting is ON.

Night mode - turning on/off



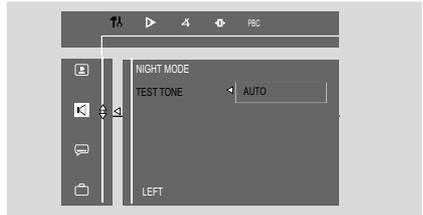
Off

Select this when you want to enjoy the sound with its full dynamic range.

On

Select this to level out the volume. High volume output will be softened and low volume output will be brought upward to an audible level. This feature is only available for movies with Dolby Digital mode.

Test Tone



AUTO

Select this item and the system will start testing the speaker from left, right, surround cyclically until you exit tone test.

-You can adjust speakers level when you testing the speaker.

-The availability of the various channels test depends on the number of speakers connected.

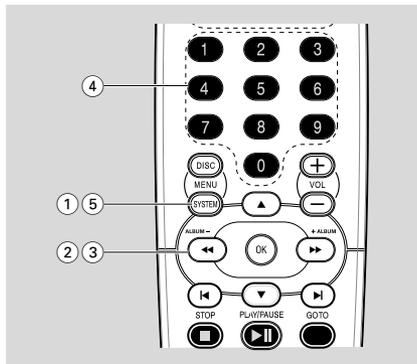
Notes:

- You can press **◀◀** to exit test tone mode at any time.
- Main volume can be adjusted during tone test.

DVD Menu Operations

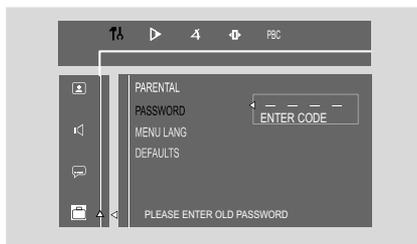
Changing the password

You can change the four-digit code used as Password.

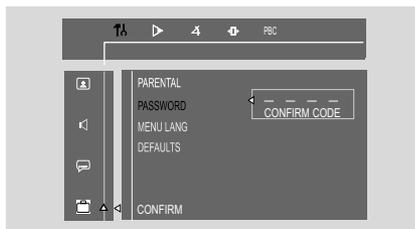


- 1 In disc mode, press **SYSTEM MENU**.
- 2 Select **PBC** icon and press **▼**.
- 3 Press **◀** / **▶** / **▲** / **▼** on the remote control to navigate in the menu.

- Move to **ENTER CODE** icon and press **▶▶**.
- Move to "PASSWORD" and press **▶▶**.



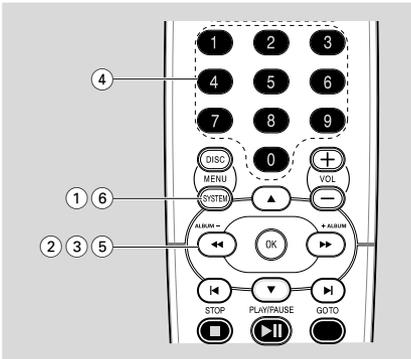
- 4 Use the **numeric keys (0-9)** to enter your four-digit code.
 - The password supplied by default is 1234.
 - If you forget the four-digit code, press **■** four times, the system will change back to the default password.
- Go to "Password" and enter your new code. Then, enter the same code again to confirm.



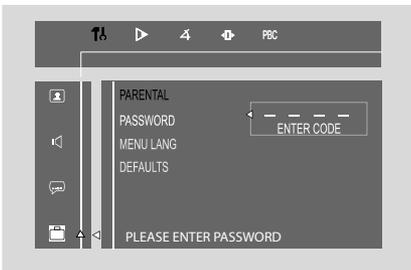
- 5 Press **SYSTEM MENU** again to remove the menu.

Restricting playback by setting parental level

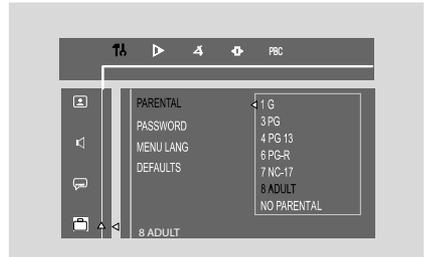
Some DVDs may have a parental level assigned to the complete disc or to certain scenes on the disc. This feature lets you set a playback limitation level. The rating levels are from 1 to 8 and are country specific. You can prohibit the playing of certain discs that are not suitable for your children or have certain discs played with alternative scenes.



- 1 In disc mode, press **SYSTEM MENU**.
- 2 Select **PBC** icon and press **▼**.
- 3 Use **◀ / ▶ / ▲ / ▼** on the remote control to navigate in the menu.
 - Move to **PBC** icon and press **▶▶**.
 - Move to "PARENTAL" and press **▶▶**.



- 4 Use the **numeric keys (0-9)** to enter the four-digit code.
- 5 Press **▲ / ▼** to select a rating level between 1-8 and press **OK**.
 - DVDs rated above the level you select will not play unless you enter your four-digit password or choose a higher level rating. Select 'No Parental' to deactivate Parental level and have all discs play.



- 6 Press **SYSTEM MENU** again to remove the menu.

Rating explanations

NO PARENTAL – It will play all discs.

8 ADULT – material for adults only; viewed only by adults due to graphic sexual scenes, violence, or language.

7 NC-17 – No children under age 17; not recommended for children under age 17.

6 PG-R – Parental Guidance – Restricted; recommended that parents restrict children under 17 from viewing or allow them to view only when supervised by a parent or adult guardian.

4 PG 13 – Material is unsuitable for children under age 13.

3 PG – Parental Guidance suggested.

1 G – General Audience; recommended as acceptable for viewers of all ages.

– Menu language

To set the screen display language. The default setting is English.

– Default

If RESET is selected, all the items in the setup menu will be reset to default setting, except Parental Setting and Password.

Tuner Operations

IMPORTANT!

- Make sure **FM** and **MW** antennas are connected.

Tuning to radio stations

- 1 Press **TUNER** to select "FM xx" or "MW xx".
- 2 Press and hold ◀◀ / ▶▶ on the system or on the remote control until the frequency indication starts to change, then release.
 - The next radio station will be tuned automatically.
 -  lights up for FM stereo reception.
- 3 To tune a weak station, press ◀◀ / ▶▶ on the system or on the remote control to search until a radio station with sufficient signal strength is found.

Presetting radio stations

You can store up to 40 preset radio stations in the memory, starting from FM and followed by MW bands.

Automatic preset programming

You can start automatic presetting from a selected preset number:

- 1 Press **TUNER** (BAND) to select TUNER mode.
 - The current radio frequency will appear on the display.

To begin automatic preset from a desired preset number

- Press ◀ / ▶ or **numeric keys (0-9)** to select the desired preset number.
- 2 Press and hold **PROGRAM** until "AUTO PROG" appears on the display.
 - **PROG** will start to flash.
 - The system will start to search all radio stations on the FM band, then MW band.
 - All radio stations with strong signal strength will be stored automatically.
 - The system will stop searching when all available radio stations are stored or when the memory of 40 preset radio stations is full.
 - The first preset radio station will then be played when completed.

To stop storing the automatic preset

- Press  to stop storing the automatic preset.

Note:

- *If no preset number is selected, automatic preset will begin from "0 !" and all your former presets will be overridden.*

Manual preset programming

- 1 Press **TUNER** (BAND) repeatedly to select the desired tuner band: FM or MW.
 - 2 Press and hold ◀◀ / ▶▶ on the system or on the remote control to search a radio frequency.
 - 3 Press **PROGRAM**.
→ "PROG" and "P 00:00" will display.
 - 4 Press ◀ / ▶ or **numeric keys (0-9)** to select the desired preset number.
 - 5 After selecting an address number; press **PROGRAM** again to store the radio station.
- Repeat **steps 3-5** to store other preset radio stations.

To stop storing the manual preset

- Press ■ on the system.

Note:

– If you attempt to store more than 40 preset radio stations, "FULL" will be displayed.

Selecting a preset radio station

- In tuner mode, press ◀ / ▶ or use the **numeric keys (0-9)** to select the desired preset number.
→ The preset number, radio frequency, and waveband are displayed.

Deleting a preset radio station

- 1 Press ◀ or ▶ to select the preset radio station to be erased.
 - 2 Press ■ on the system, "PRESET DELETED" appears on the display.
→ The radio frequency remains on the display.
→ The preset numbers of all other preset radio stations in the band with higher numbers are also decreased by one.
- Repeat **steps 1-2** to erase other preset radio stations.

Changing tuning grid

In some countries, the frequency step between adjacent channels in the MW band is 9 kHz (10 kHz in some areas). The preset frequency step in the factory is 9 kHz.

- 1 Plug the AC power cord.
- 2 Press **TUNER** to select MW mode.
- 3 Press and hold ■ for more than 3 seconds on the panel.
→ "STEP X X K" appears.

Note:

– All preset stations will be lost and need to be reprogrammed.

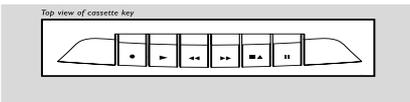
Tape Operation/Recording

IMPORTANT!

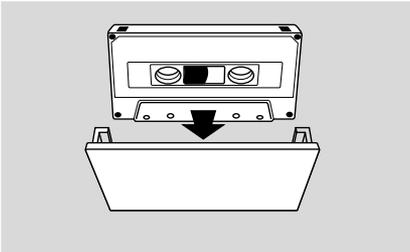
- Before playing a tape, check and tighten slack tape with a pencil. Slack tape may get jammed or may burst in the mechanism.
- Store tapes at room temperature and do not put them too close to a magnetic field (for example, a transformer, TV set or speaker).

Tape playback

- Only cassette keys can be used for tape playback control!



- 1 Press **OPEN** ► to open the tape deck door.
- 2 Insert a recorded tape and close the tape door.
- Load the tape with the open side down and the full spool to the left.



- 3 Press **TAPE** on the remote control to select tape mode.
 - 4 Press ► to start playback.
- Interrupting playback**
- Press **II** to interrupt playback.
- Stopping playback**
- Press ■ to stop playback.

Rewinding or forwarding fast when playback is stopped

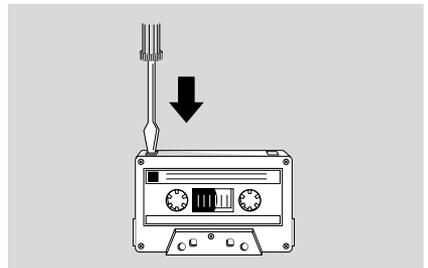
- 1 Press ◀◀ or ▶▶ on the front panel.
- 2 Press ■ when you reach the desired passage.

Resetting tape counter number

- In stop mode, press ■.

General information on recording

- If you don't intend to record via the microphone, unplug it to avoid unwanted recording source.
- For recording, only use tape of IEC type I (normal tape).
- The recording level is set automatically, regardless of the position of the Volume, Vocal, Key control and so forth.
- The type is secured at both ends with leader tape.
- To prevent accidental recording, break out the tab on the left shoulder of the tape side you want to protect.



- Press REC in Disc, Tuner or AUX mode. The record key ● cannot be pressed if there is no recordable tape in the tape deck.

IMPORTANT!

- Recording is permissible if copyright or other rights of third parties are not infringed upon.
- Recording is possible only in tape deck.

Preparation for recording

- 1 Load a recordable tape into tape deck with the full spool to the left.
- 2 Prepare the source to be recorded.
DISC – load the disc(s)
TUNER – tune to the desired radio station.
AUX – connect external equipment.

When recording is in progress

- 1 Press **DISC**, **TUNER** or **AUX** to select the source.
- 2 Start to play the selected source.
- 3 Press ● to start recording.

To stop recording

- Press ■ on the system.

Disc synchro recording

- 1 Press **DISC** to select the disc.
- You can record programmed tracks in the order you want.
- 2 Press ● to start recording.
→ "REC" will flash, but the first 9 seconds of the start passage will not be recorded.

Selecting another track during recording

- 1 Press **II** to interrupt recording.
- 2 Press ◀ or ▶ to select another track.
- 3 Press **II** to resume recording.

To stop recording

- Press ■.
→ Recording and disc playback will stop simultaneously.

Timer Operations

Setting the sleep timer

The sleep timer enables the system to switch to Standby mode automatically at a preset time.

- Press **SLEEP** on the remote control repeatedly and stop at the desired preset turn-off time.
→ Following options are available (time in minutes):
15 → 30 → 45 → 60 → 90 → 120 → OFF
→
- "zzz ⊕" will show on the display panel unless "OFF" is selected.

To check or change the setting

- Press **SLEEP** once to show the remaining time before switching off. If you continue pressing the **SLEEP** button, the next Sleep Timer option will appear on the display.

To cancel the sleep timer

- Press **SLEEP** repeatedly until "OFF" is displayed or press the **STANDBY ON** button.

Sound control

Selecting sound effect

The digital sound effect allows you to select from various preset modes that control the frequency bands of sound to optimize certain musical styles. It greatly enhances the excitement and enjoyment of your favorite music.

- Press **DSC** repeatedly to select the available sound effect.

Playing a DVD/VCD

- You can select Virtual Ambience Control as follows:
 - **CONCERT, ACTION, DRAMA, SCI-FI.**
- **Playing a CD/MP3 or in Tuner or AUX mode**
- You can select Digital Sound Control:
 - **TECHNO, ROCK, JAZZ, OPTIMAL.**

Selecting DBB effect

- Press **DBB** to set the Dynamic Bass Boost.
- You can set bass response enhancement by selecting the following options:
 - **DBB ON, DBB OFF.**

Volume control

Changing the volume level

- Rotate **VOLUME** clockwise / anti-clockwise (or press **VOL +/-**) to increase or decrease the master volume level.
 - "MIN" is displayed at minimum level.
 - "MAX" is displayed at maximum level.
 - The range is from 1dB to 39 dB and the step is 1dB.

Switching off the volume temporarily

- Press **MUTE**.
 - "MUTE ON" is displayed.
- Press **MUTE** again or adjust the volume level to cancel the MUTE mode.

Listening through headphones

Connecting headphones to  will switch off the speakers.

Disconnecting the headphones will switch on the speakers again.

Other Functions

Dimming the display

- Press **DIM** repeatedly to select different levels of brightness for the display: HIGH, MID or LOW.

Vocal

This function allows you to fade out the original vocal from a karaoke. Press **AUDIO** key to select different audio modes.

For DVD karaoke discs:

AUDIO 1, AUDIO 2, AUDIO 1 VOCAL, AUDIO 2 VOCAL.

For VCD karaoke discs:

LEFT VOCAL, RIGHT VOCAL, MONO LEFT, MONO RIGHT or STEREO.

Key control

This feature allows you to change the key tone when you play a DVD or VCD disc.

- Press **KEY**.
→ "KEY CONTROL ON" will be displayed on the TV screen for 5 seconds.
→ The Key control indicator will flash when you press **VOL +/-** to change the key tone level.
→ If you don't adjust the key control level within 5 seconds, the indicator will turn off.
- Press **KEY** again to exit key control mode.
→ "KEY CONTROL OFF" will be displayed on the TV screen for 5 seconds.

Echo

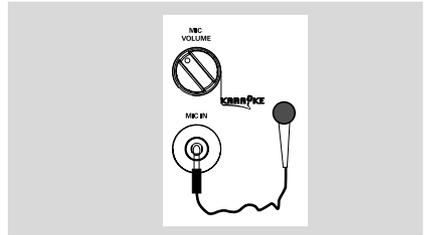
This feature allows you to add echo while singing or talking through a microphone.

- Press **ECHO**.
→ "ECHO CONTROL ON" will be displayed on the TV screen for 5 seconds.
→ Press **VOL +/-** to change the echo level between 0 and 8.
– Select level 0 to switch off Echo.
- Press **ECHO** again to exit Echo control mode.
→ "ECHO CONTROL OFF" will be displayed on the TV screen for 5 seconds.

Notes:

- Echo will be disabled automatically when the microphone is unplugged.
- "PLEASE INSERT MIC" is displayed on your TV screen if you have not connected the microphone to the system in ECHO CONTROL ON mode.

Karaoke



Connect a microphone (not supplied) to the system to sing along with the music source.

- 1 Connect a microphone to the MIC jack.
→ "P" will appear on the display.
→ "MICROPHONE PLUG IN" will display on your TV screen.
- Before connecting the microphone, set the microphone **MIC VOLUME** to the minimum level to prevent howling.
- 2 Press **DISC, TUNER, TAPE** or **AUX** to select the source to be mixed and start playback.
- 3 Adjust the volume of the source through **VOLUME** control.
- 4 Adjust the microphone volume through microphone **MIC VOLUME** control.

Notes:

- Keep the microphone away from the speakers to prevent howling.
- "MICROPHONE PLUG OUT" will display on your TV screen when you plug out the microphone.

Listening to external sources

- 1 Connect the audio out terminals of the external equipment (TV, VCR, Laser Disc player; DVD player or CD Recorder) to the AUX IN terminals of your system.
- 2 Press **AUX** repeatedly to select AUX mode directly.

Notes:

- *You are advised not to listen to and record from the same source simultaneously.*
- *All navigation sound control features are available.*

Specifications

AMPLIFIER SECTION

Output power	1200 W PMPO
Stereo mode	2x30 W RMS
Frequency Response .	150 Hz - 18 kHz / ± 3 dB
Signal-to-Noise Ratio .	> 60dB (VN-WEIGHED)
Input Sensitivity	
AUX In	500 mV
Output Sensitivity	
Headphone	1000 mV \pm 2dB
Line Out	450 mV - 550 mV

TUNER SECTION

Tuning Range	
.....FM	87.5 - 108 MHz (50 kHz steps)
.....MW	531 - 1602 kHz (9 kHz steps)
.....MW	530 - 1710 kHz (10 kHz steps)
Signal-to-Noise Ratio	FM \geq 55 dB
.....MW	\geq 35 dB

TAPE SECTION

Frequency Response	
Normal tape	80 - 12500 Hz (8 dB)
Signal-to-Noise Ratio	
Normal tape	\geq 45 dBA
JIS and WTD	\leq 0.3% DIN

DVD SECTION

Laser Type	Semiconductor
Disc Diameter	12cm / 8cm
Video Decoding	MPEG-2 / MPEG-1
Video DAC	10 Bits
Signal System	PAL / NTSC
Video Format	4:3 / 16:9
Video S/N	56 dB (minimum)
Composite Video Output	1.0Vp-p, 75 Ω
S-Video Output	Y - 1.0Vp-p, 75 Ω
.....C	- 0.286Vp-p, 75 Ω
Audio DAC	24 Bits / 96 kHz
Frequency Response	4 Hz - 20 kHz (44.1kHz)
.....	4 Hz - 22 kHz (48kHz)
.....	4 Hz - 44 kHz (96kHz)

MAIN UNIT

Power Supply Rating	110 - 127 / 220 - 240 V
.....	50/60HZ Switchable
Power Consumption	
Active	50 W
Standby	<10 W
Dimensions (w x d x h) .	265x 335 x 310 (mm)
Weight	4.11 kg
Packaging Dimensions (w x d x h)	
.....	567x460x413(mm)
Gross weight	11.25kg

SPEAKERS

Front speakers	
System	3-way, Bass reflex
Impedance	4 Ω
Speaker drivers	9.5cm woofer;
.....	5cm tweeter
Frequency response	50 Hz - 20 kHz
Dimensions (w x d x h)	
.....	190 x 207 x 310 (mm)
Weight	2.62 kg/each

Specifications subject to change without prior notice

WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer or Philips for help.

Problem	Solution
No power.	<ul style="list-style-type: none"> ✓ Check if the AC power cord is properly connected.
"UNREADABLE DISC" is displayed.	<ul style="list-style-type: none"> ✓ Check if the disc is inserted upside down. ✓ Wait until the moisture condensed at the lens has cleared. ✓ Replace or clean the disc, see "Maintenance". ✓ Use a readable disc or correctly recorded format MP3-CD.
No picture.	<ul style="list-style-type: none"> ✓ Select the appropriate video input mode on the TV set. ✓ Check if the TV set is switched on. ✓ Check the video connection. ✓ Check if the system is securely connected.
Distorted or poor picture.	<ul style="list-style-type: none"> ✓ Sometimes a slight picture distortion may appear. This is not a malfunction. ✓ Clean the disc. ✓ Connect the system to the S-video input of your TV set.
The aspect ratio of the screen cannot be changed even though you have set the TV shape.	<ul style="list-style-type: none"> ✓ The aspect ratio is fixed on the DVD disc. ✓ The aspect ratio may not be changed for some TV systems.
The DVD player does not start playback.	<ul style="list-style-type: none"> ✓ Insert a readable disc. ✓ Check the disc type, color system and region code. ✓ Clean the disc. ✓ Place the disc with the playback side down. ✓ Press SYSTEM MENU to turn off the setup menu. ✓ Cancel the parental control rating function or change the rating level. ✓ Moisture has condensed inside the system. Remove the disc and leave the system turned on for about an hour.
The system does not respond when the buttons are pressed.	<ul style="list-style-type: none"> ✓ Disconnect the power plug from the jack, and insert again.

Troubleshooting

Problem	Solution
The language for the sound or subtitle cannot be changed when playing a DVD.	<ul style="list-style-type: none">✓ Multi-language sound or subtitle is not recorded on the DVD.✓ Changing the language for the sound or subtitle is prohibited on the DVD.
No image is output when a function is selected.	<ul style="list-style-type: none">✓ Make sure the component is connected correctly.✓ Press the correct function button for the input source.
Sound cannot be heard or is of poor quality	<ul style="list-style-type: none">✓ Adjust the volume.✓ Disconnect the headphones.✓ Check that the speakers are connected correctly.✓ Check if the stripped speaker wire is clamped.✓ If the system is in pause, slow motion or fast forward/reverse mode, press ▶ to resume the normal play mode.✓ Make sure the MP3-CD was recorded within 32-256 kbps bit rate with sampling frequencies at 48 kHz, 44.1 kHz or 32 kHz.
Poor radio reception.	<ul style="list-style-type: none">✓ If the signal is too weak, adjust the antenna or connect an external antenna for better reception.✓ Increase the distance between the MiNi HiFi System and your TV set or VCR.
Recording or playback cannot be made	<ul style="list-style-type: none">✓ Clean deck parts, see "Maintenance".✓ Use only NORMAL tape.✓ Apply a piece of adhesive tape over the missing tab space.
The tape deck door cannot open	<ul style="list-style-type: none">✓ Remove and reconnect the AC power plug and switch on the system again.
Left and right sound outputs are reversed.	<ul style="list-style-type: none">✓ Check the speaker connections and location.
The remote control does not function.	<ul style="list-style-type: none">✓ Point the remote control at the remote control sensor of the unit.✓ Reduce the distance to the player.✓ Remove any possible obstacles.✓ Replace the batteries with new ones.✓ Check that the batteries are loaded correctly.
The display is dark.	<ul style="list-style-type: none">✓ Press DIM again.

Analog: Sound that has not been turned into numbers. Analog sound varies, while digital sound has specific numerical values. These jacks send audio through two channels, the left and right.

Aspect ratio: The ratio of vertical and horizontal sizes of a displayed image. The horizontal vs. vertical ratio of conventional TVs is 4:3, and that of wide-screens is 16:9.

AUDIO OUT Jacks: Jacks on the back of the DVD System that send audio to another system (TV set, Stereo, etc.).

Bit Rate: The amount of data used to hold a given length of music; measured in kilobits per second, or kbps. Or, the speed at which you record. Generally, the higher the bit rate better the sound quality. However, higher bit rates use more space on a Disc.

Chapter: Sections of a picture or a music piece on a DVD that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want.

Component Video Out Jacks: Jacks on the back of the DVD System that sends high-quality video to a TV set that has Component Video In jacks (R/G/B, Y/Pb/Pr, etc.).

Disc menu: A screen display prepared for the selection of images, sound, subtitles, multi-angles, etc recorded on a DVD.

Digital: Sound that has been converted into numerical values. Digital sound is available when you use the DIGITAL AUDIO OUT COAXIAL or OPTICAL jacks. These jacks send audio through multiple channels, instead of just two channels as analog does.

Dolby Digital: A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right and center).

JPEG: A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio.

MP3: A file format with a sound data compression system, "MPE" is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. Through the MP3 format, one CD-R or CD-RW can contain about 10 times as much data volume as a regular CD can.

Multichannel: DVD is specified to have all sound tracks constitute one sound field. Multichannel refers to a structure of sound tracks having three or more channels.

Parental control: A function of the DVD to limit playback of the disc by the age of the users according to the limitation level in each country. The limitation varies from disc to disc; when it is activated, playback will be prohibited if the software's level is higher than the user-set level.

Playback control (PBC): Refers to the signal recorded on video CDs or SVCDs for reproduction control. By using screen menus recorded on a Video CD or SVCD that supports PBC, you can enjoy interactive-type software as well as software having a search function.

Progressive Scan: It displays all the horizontal lines of a picture at one time, as a signal frame. This system can convert interlaced video from DVD into progressive format for connection to a progressive display. It dramatically increases the vertical resolution. A progressive scan TV set is needed to receive progressive scan output from the player.

Region code: A system allowing discs to be played only in preset regions. This unit will only play discs that have compatible region codes. You can find the region code of your unit from the product label. Some discs are compatible with more than one region (or ALL regions).

S-Video: Produces a clear picture by sending separate signals for luminance and the color. You can use S-Video only if your TV set has S-Video In jack.

Sampling Frequency: Frequency of data sampling when analog data is converted to digital data. Sampling frequency numerically represents how many times the original analog signal is sampled per second.

Title: The longest section of a picture or music feature on DVD, music, etc., in video software, or the entire album in audio software. Each title is assigned a title number enabling you to locate the title you want.

VIDEO OUT jack: Jack on the back of the DVD System that sends video to TV.