

Panasonic®

Operating Instructions

DVD Stereo System

Model No. SC-PM50D

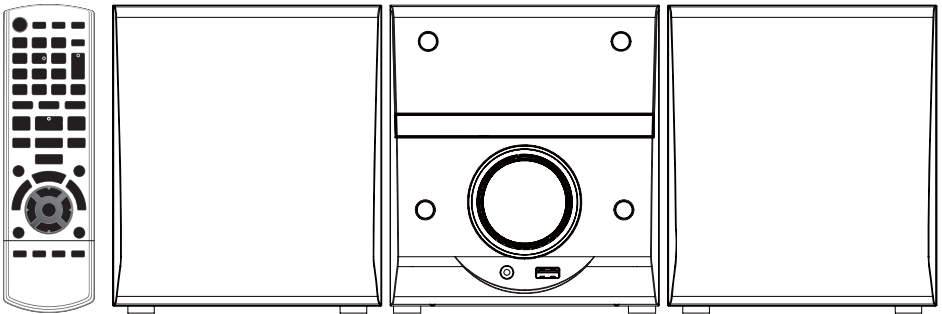


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Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully.
Please keep this manual for future reference.

GA

GS

GN

VQT4L45-2

System	SC-PM50D
Main unit	SA-PM50D
Speakers	SB-PM50D

Safety precautions

Warning!

Unit

- To reduce the risk of fire, electric shock or product damage,
 - Do not expose this unit to rain, moisture, dripping or splashing.
 - Do not place objects filled with liquids, such as vases, on this unit.
 - Use only the recommended accessories.
 - Do not remove covers.
 - Do not repair this unit by yourself. Refer servicing to qualified service personnel.

Caution!

Unit

- To reduce the risk of fire, electric shock or product damage,
 - Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure this unit is well ventilated.
 - Do not obstruct this unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.
 - Do not place sources of naked flames, such as lighted candles, on this unit.
- Install this unit so that the AC mains lead can be unplugged from the socket outlet immediately if any problem occurs.
- This unit may receive radio interference caused by mobile telephones during use. If such interference occurs, please increase separation between this unit and the mobile telephone.

(For Southeast Asia, Thailand, South Africa, the Middle East)

- This unit is intended for use in tropical climates.
- (For others)
- This unit is intended for use in moderate climates.

Battery

- Do not break open or short-circuit the battery.
- Do not charge the alkaline or manganese battery.
- Do not use the battery if the cover has peeled off.
- Do not heat or expose to flame.
- Do not leave the battery(ies) in a car exposed to direct sunlight for a long period of time with doors and windows closed.
- Remove the battery if you do not use the remote control for a long period of time. Keep in a cool, dark area.
- Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
- When disposing the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.



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



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

Caution!

CLASS 1 LASER PRODUCT

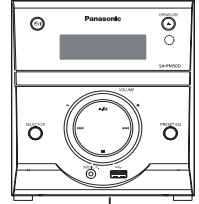
IEC60825-1:2001

CAUTION

This product contains a laser diode of higher class than 1.

To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.

Refer all servicing to qualified personnel.



Bottom of product

Caution for AC mains lead

(When using the moulded three pin mains plug)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

Before use

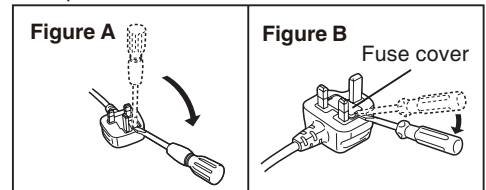
Remove the connector cover.

How to replace the fuse

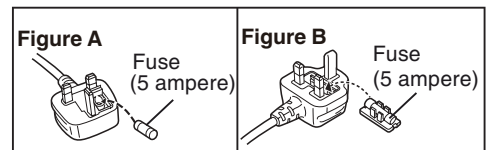
The location of the fuse differ according to the type of AC mains plug (Figures A and B). Confirm instructions below.

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.



2. Replace the fuse and close or attach the fuse cover.



Accessories

Check the supplied accessories before using this unit.

- 1 Remote control
N2QAYB000810



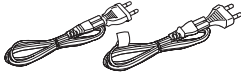
- 2 Batteries for remote control



- 1 Video cable

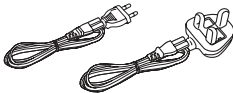


- AC mains lead
2 For Southeast Asia, Thailand



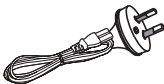
(The AC mains lead with a label is for Thailand)

- 2 For South Africa, the Middle East



(The AC mains lead with 3-pin plug is for Saudi Arabia.)







- 1 For Australia, New Zealand















About Discs/Files

Playable Discs/Files

Commercial discs

Type	Icon	Details
DVD-Video 		<ul style="list-style-type: none"> High quality video and audio discs
Video CD 		<ul style="list-style-type: none"> Video discs Including SVCD (conforms to IEC-62107)
CD 		<ul style="list-style-type: none"> Audio discs

Recorded discs

Type	Icon	Details
DVD-R/RW 	   	<ul style="list-style-type: none"> DVD-Video Format MP3 format JPEG format DivX® format
DVD-R DL 	 	<ul style="list-style-type: none"> DVD-Video Format DivX® Format
+R/+RW/+R DL		<ul style="list-style-type: none"> +VR (+R/+RW Video Recording) Format
CD-R/RW	  	<ul style="list-style-type: none"> MP3 format JPEG format DivX® format

Playable Discs/Files

- Before playback, finalize the disc on the equipment it was recorded on.
- It is not possible to play all the above-mentioned discs in some conditions because of:
 - The type of disc.
 - The condition of the recording.
 - The recording procedure.
 - How the files were made.
- In this manual, the word "file" and "track" is used alternately.

Video systems

- This system can play discs with PAL and NTSC.

Tips for making data

MP3 (Extension: ".MP3", ".mp3")

- Standard, sampling frequency, and the bit rate: 32kHz, 44.1kHz, 48kHz
32kbps - 320kbps (constant bit rate or variable bit rate).
- This system does not support ID3 tags.
- MP3 files may not be played in the recorded order. Do not make an empty folder. It may not work correctly.

JPEG (Extension: ".JPG", ".jpg", ".JPEG", ".jpeg")

- JPEG resolution is up to 2150 X 1432 (baseline) or 1400 x 900 (progressive).
- The unit only can play standard JPEG and cannot play loss free JPEG.
Standard JPEG format: For digital camera, network, etc.
Loss free JPEG format: Older type. Now rarely used.

DivX (Extension: ".DIVX", ".divx", ".AVI", ".avi")

- DivX files that are more than 2 GB or have no index may fail to play correctly on this system.
- This system supports all resolutions until a maximum of 720 x 480 (NTSC)/720 x 576 (PAL).
- You can select a maximum of eight types of audio and subtitles on this system.

Discs that cannot be played

Blu-ray, HD DVD, AVCHD discs, DVD-RW version 1.0, DVD-Audio, DVD-ROM, CD-ROM, CDV, CD-G, SACD, Photo CD, DVD-RAM, and "Chaoji VCD" (including CVD, DVCD and SVCD) that do not conform to IEC62107.

- The unit cannot support the discs recorded using DVD Video Recording (DVD-VR) Format.
- There may be differences in the display sequence on the menu screen and computer screen.
- This system cannot play files recorded using packet writing.

DVD-R/RW

- Discs must conform to UDF bridge (UDF 1.02/ISO9660).
- This system does not support multi-session. Only the default session can be played back.

CD-R/RW

- Discs must conform to ISO9660 level 1 or 2 (except for extended formats).
- Single-session disc can be played back. As for multi-session disc, only the first session can be played back.

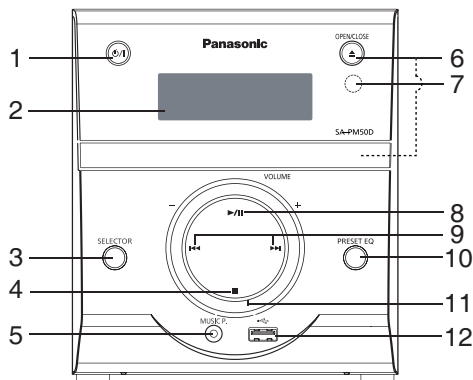
Note on using a DualDisc

A DualDisc could possibly not playback if the side of the digital audio content does not meet the technical specifications of the Compact Disc Digital Audio (CD-DA) format.

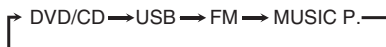
Control reference guide

Main unit

Front panel

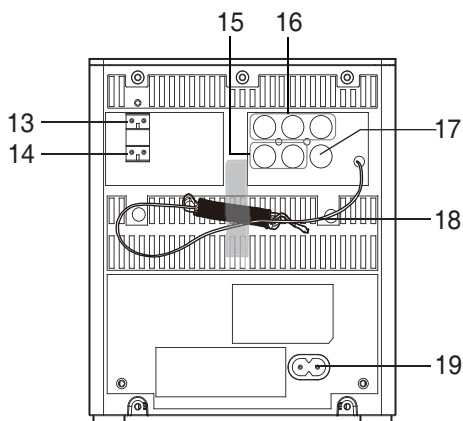


1. Standby/on switch (S/I)
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
2. FL display
3. Source select button (SELECTOR)
Each time the button is pressed, the display changes as follows.

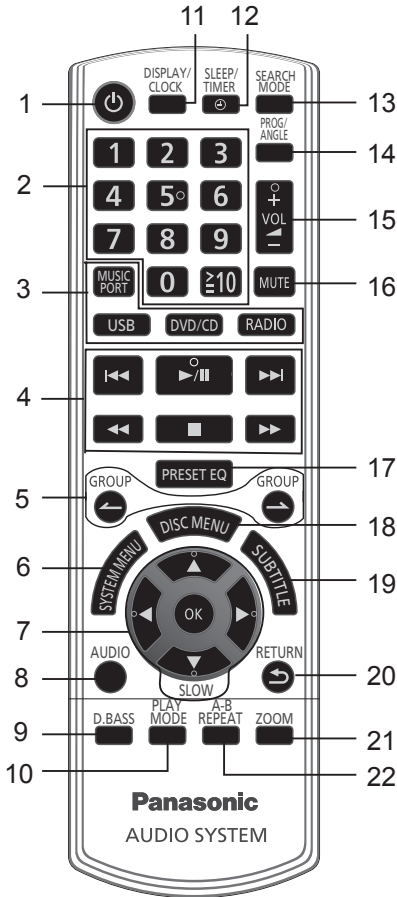


4. Stop button (■)
5. Music port jack (MUSIC P.)
6. Open or close the disc tray button (OPEN/CLOSE ▲)
To open or close the disc tray, be sure to use the OPEN/CLOSE ▲ button. Do not press the disc tray with your hand.
7. Remote sensor
8. Play/Pause button (▶/||)
9. Skip to the previous or next title, chapter, track, or file buttons (◀◀/▶▶)
10. Sound mode button (PRESET EQ)
11. Volume control (VOLUME +/-)
Turn the VOLUME control, the volume level appears on the display (VOL MIN - MAX).
12. USB port (↔)
13. Left speaker output terminal
14. Right speaker output terminal
15. Audio output terminals
16. Component video output terminals
17. Composite video output terminal
18. FM antenna wire
19. AC input socket (AC IN ~)

Back panel



Control buttons of remote control

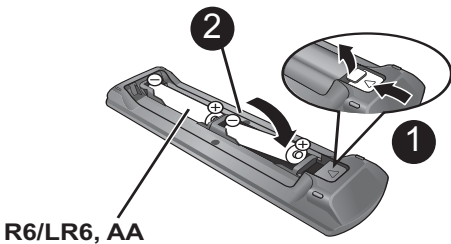


1. Standby/on switch [⏻]
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
2. Numeric buttons [1 to 9, 0, \neq 10]
3. Source select buttons
4. Basic playback buttons
5. Skip group or folder buttons (GROUP \leftarrow , \rightarrow)
6. View system setting menu button (SYSTEM MENU)
7. Cursor move buttons [\uparrow , \downarrow , \leftarrow , \rightarrow]
Confirm the selection button [OK]
Slow playback button [SLOW ∇]
8. Select audio (AUDIO)
9. Select bass boost effect (D. BASS)
10. Select the playback mode (PLAY MODE)
11. Display disc information/Clock button (DISPLAY/CLOCK)
12. Sleep/Timer operation button (SLEEP/TIMER)
13. On-screen information search button (SEARCH MODE)
14. Set program function/Select camera angle (PROG./ANGLE)
15. Adjust the volume (VOL +/-)
16. Mute the sound from the speakers (MUTE)
Press the button again to cancel.
"MUTE" is also cancelled when you adjust the volume or when you switch off the system.
17. Select the sound mode (PRESET EQ)
18. Disc top menu button (DISC MENU)
19. Select subtitle language (SUBTITLE)
20. During system setting return to previous screen (RETURN)
21. Select picture zoom (ZOOM)
22. Select A-B repeat playback (A-B REPEAT)

Preparation

Install and replace the batteries of remote control

- Risk of explosion! Keep battery(ies) away from heat, sunshine or fire. Never discard the battery in fire.
- Install the batteries so that the poles (+ and -) align with those in the remote control.
- Point the remote control at the remote control sensor, away from obstacles, at a maximum range of 7 m directly in front of the main unit.
- If you are not going to use the remote control for a long time, remove the batteries.



- If you see this symbol -

Information on Disposal in other Countries outside the European Union



This symbol is only valid in the European Union. If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

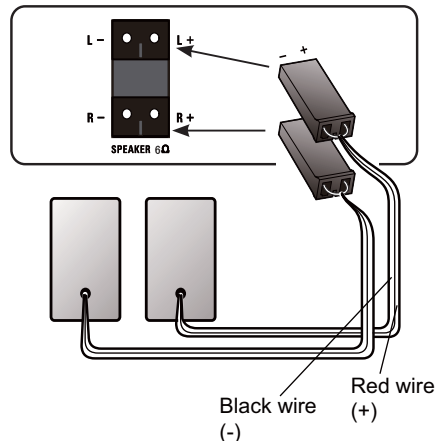
Speaker connections

Use only the supplied speakers

The combination of the main unit and speakers give the best sound. If you use other speakers, the system may be damaged and the sound quality may be decreased.

Note:

- Put the speakers on a flat safe surface.
- These speakers do not have magnetic shielding. Do not put them near PCs or other equipment easily influenced by magnetism.
- When playing at high levels for a long period, it may cause damage to the system and decrease the life of the system.
- Decrease the volume in following conditions to prevent damage:
 - When playing the distorted sound.
 - When adjusting the sound quality.
- Connect only speakers with the same or higher impedance. Refer to "Specifications" for details.
- When connecting the speakers, make sure that "+" and "-" polarities are matched properly.

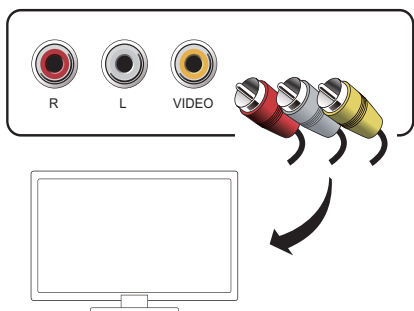


Connecting to a TV

Connect audio and video cable to output terminals of this unit and related input terminals of TV. Select the best video connection that your TV supports.

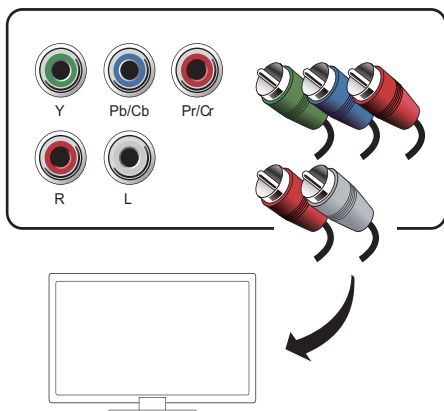
Option 1: For a standard TV connect through a composite video cable (included) and audio cable (not included).

Terminal color: R (Red), L (White), VIDEO (Yellow)



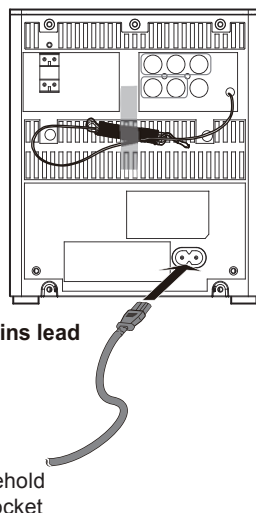
Option 2: For a Progressive Scan TV connect through component video cables (not included) and audio cable (not included).

Terminal color: Y (Green), Pb/Cb (Blue), Pr/Cr (Red)



Connecting AC mains lead

- Install this unit near the AC outlet where the AC mains plug can be easily reached.
- Connect the AC mains lead only after all the other connections have been made.
- Don't step on or pinch the AC mains lead, especially at plug, convenience receptacles, and the point where they exit from the unit.
- Unplug the unit during lightning storms or when not be used for a long time.



Note:
Use the AC mains lead that matches the socket for the area you live in.

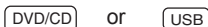
- In Saudi Arabia, always use the 3-pin AC mains lead.
- The 2-pin AC mains lead with a label is for Thailand.

System setup

Please follow below steps to select the appropriate setting.

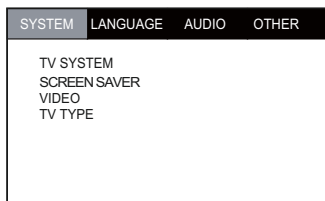
1. Press the DVD/CD or USB button.

Remote control



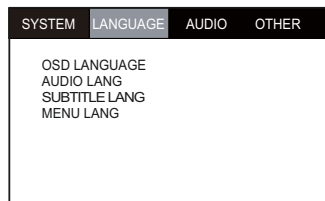
2. Press the SYSTEM MENU button to display the system setup screen.

Remote control



3. Press the ◀ or ▶ button to select the desired menu (SYSTEM/LANGUAGE/AUDIO/OTHER).

Remote control



4. Press the ▲ or ▼ button to select an item to set up.

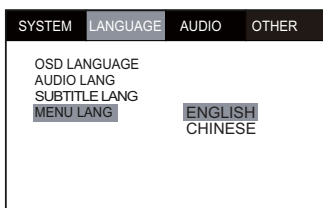
- The yellow cursor shows the selected item.
- The blue cursor shows the current setting.

Remote control



5. Press the ► button, then select the desired setting by pressing the ▲ or ▼ button and press the OK button. (Setting is completed.)

Remote control



6. Press the SYSTEM MENU button to close the screen.

- Underlined items are the factory settings in the menu.

"SYSTEM" menu

TV SYSTEM	<p>NTSC: In the case of PAL contents, it is changed into an NTSC format.</p> <p>PAL: In the case of NTSC contents, it is changed into a PAL format.</p> <p>AUTO: Select this if the connected TV is compatible with both NTSC and PAL.</p>
SCREEN SAVER	<p>Screen saver will start automatically when playback is stopped for about 5 minutes or is paused for 25 minutes if DVD/CD or USB is selected as the playback source.</p> <p>ON OFF</p>
VIDEO	<p>This sets the output method of this unit according to the television to connect.</p> <p>INTERLACE-YUV P-SCAN YPBPR (Progressive)</p>
TV TYPE	<p>4:3PS : The sides of the widescreen picture are cut so it fills the screen (unless prohibited by the disc.)</p> <p>4:3LB : Widescreen picture is shown in the letterbox style.</p> <p>16:9 : Widescreen TV (16:9).</p>

"LANGUAGE" menu

For Southeast Asia, Thailand

OSD LANGUAGE	<u>ENGLISH</u>	CHINESE	
AUDIO LANG	<u>ENGLISH</u>	CHINESE	
SUBTITLE LANG	<u>ENGLISH</u>	CHINESE	OFF
MENU LANG	This switches the language for disc menu. <u>ENGLISH</u> CHINESE		

For South Africa, the Middle East

In above table the language is changed to "ENGLISH FRENCH RUSSIAN" separately.



For Australia, New Zealand

In above table the language is changed to "ENGLISH".

"AUDIO" menu

DYNAMIC RANGE	Adjust for clarity even when the volume is low through compressing the range of the lowest sound level and highest sound level. FULL 6/8 4/8 2/8 OFF
DOWN MIX	When connecting the products (TV, etc.) not corresponding surround sound please select STEREO. When connecting the products being able to change 2 channels to multi-channel surround sound please select LT/RT. LT/RT <u>STEREO</u>
NIGHT MODE	Even when you adjust the volume to minimum the sound also can be heard clearly at night, etc.. ON OFF

"OTHER" menu

RATING	This sets the playback limitation level for DVD video discs. The password is required when setting or canceling the playback limitation. 1 KID SAFE 2 G 3 PG 4 PG 13 5 PG-R 6 R 7 NC-17 8 ADULT
PASSWORD	After inputting the password (Factory setting 0000) press the OK button (the lock is released). In the case of "  " it is possible to set RATING and desired password. ----  If you forget your old four-digit password, key in "0000".
DIVX[R] VOD	DivX VOD (Video On Demand) registration code allows you to rent and purchase movies using the DivX VOD service from the internet. For more information, visit Web Site: http://vod.divx.com
DEFAULT	This restores the unit to the factory default settings (except RATING). <u>RESTORE</u>

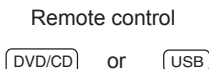
Discs/USB operation

Preparation

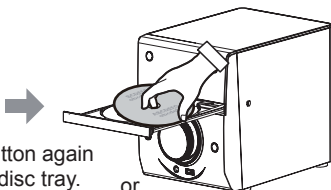
To view picture, switch on your TV and change its video input mode (example: change to "AV1" if you use "AV1" for the connection).

Basic playback

1. Select playback source (DVD/CD or USB).



2. Insert a disc or connect a USB device.



Press the button again to close the disc tray.



3. Press the ►/|| button to start playback.

When inserting a DVD disc, playback starts automatically.

If the playback cannot start automatically, please press the ►/|| button.

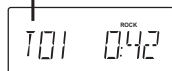
- If the disc menu appears on the screen, press the ▲, ▼, ► or ◀ button to select the desired item, then press the OK button.
- To show the disc menu screen press the DISC MENU button.



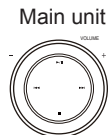
Chapter number



Track number



4. Adjust the volume.



Remote control



5. Stop playback.



Remote control



During playback press the ■ button one time. (The unit goes to PRE STOP condition.)

Press the ►/|| button to continue playback.

Press the ■ button again to stop the playback completely.

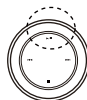
Note:

To save electricity, the power is turned off automatically if there is no button operation for about 10 minutes when playback is stopped completely or for about 30 minutes when playback is paused.

After the disc tray is opened for 3 minutes it will close automatically.

Pause playback

Main unit



Remote control

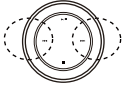


During playback press the ►/|| button.

Press the ►/|| button again to continue playback.

Skip track (chapter)

Main unit



Remote control



- During playback press the **◀◀** button to skip back to the beginning of the current track. Press the button again immediately to skip back to the beginning of the previous track.
- During playback press the **▶▶** button to skip to the next track. A track is skipped each time the button is pressed.

Search

DVD-V VCD CD MP3 DivX

Remote control



During playback each time the **◀◀** or **▶▶** button is pressed the playback speed of reverse or forward will change as X 2 → X 4 → X 8 → X 20.

The playback may not proceed at the selected speed in some conditions.

Press the **▶/||** button to return to normal playback.

- The sound is muted during fast playback. But for CD or MP3 there is sound output during playback of double-speed forward or reverse.
- For MP3 when searching to next file or previous file playback will start from the beginning of the file.
- For DivX in reverse direction when searching to the beginning of current file normal playback will start. In forward direction when searching to the end of current file, the unit goes to stop mode.

Slow playback

DVD-V VCD DivX

Remote control



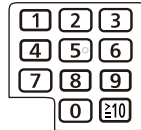
During playback press the **SLOW ▼** button to change to slow playback. Each time the **SLOW ▼** button is pressed the speed will change as 1/2 → 1/3 → 1/4 → ... → 1/8.

Press the **▶/||** button to return to normal playback.

Direct playback

DVD-V VCD CD

Remote control



In stop mode or during playback press the numeric button(s) to start directly from the track or chapter selected.

To select a 2-digit number press the **≧10** button first, and then press two numeric buttons consecutively. Some discs cannot be played back directly depending on the recorded conditions.

• Selecting by on-screen information

DVD-V VCD CD MP3 DivX

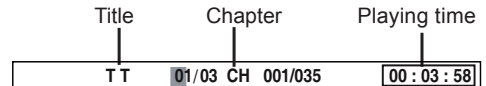
In stop mode or during playback the playback can start directly from the selected title or chapter or time.

DivX: In stop mode only the selected track can be played back.

Remote control



1. Press the **SEARCH MODE** button.

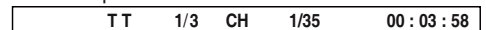


2. Press the **◀** or **▶** button to move the cursor, press the numeric button to enter the number, then press the **OK** button.

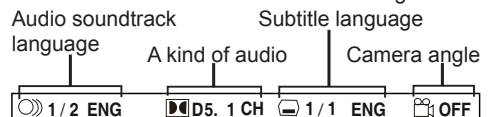
Display media information

1. Press the **DISPLAY/CLOCK** button to display the media information on the screen.

Example for DVD-video:



2. Press the **DISPLAY/CLOCK** button again.

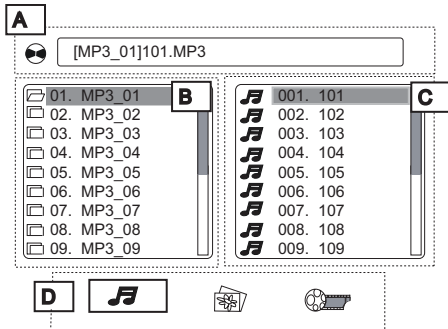


Discs/USB operation (continued)

MP3, JPEG, DivX files playback

Insert a disc or connect a USB device recorded MP3, JPEG or DivX files to the unit. The file or disc which the unit can playback, refer to page 4 -5.

Select playback source. Refer to page12. To MP3 file, below picture appears on TV. Example:



A: Shows current file name **B:** Shows folder list

C: Shows file list

The names of the files or folders named by selected language in the OSD LANGUAGE (refer to page11.) can be displayed on the TV.

How to select file:

Press the ▲ or ▼ button to select desired file, then press the OK button, playback starts.

To select the folder, press the ◀ button to move the cursor to folder list, then press the ▲ or ▼ button to select desired folder.

How to select JPEG or DivX file:

1. In above picture press the ◀ or ▶ button to move the cursor to D.
2. Press the ◀ or ▶ button to select JPEG (📷) or DivX (🎮), then press the OK button to confirm. If there is no playable file the cursor cannot move.
3. Press the ▲ button to move the cursor to file list.
4. Press the ▲ or ▼ button to select file, then press the OK button to confirm. Playback starts. To JPEG file, slide show starts.

Skip group

MP3

For MP3 file during playback press the ◀ or ▶ button to skip folder.

Remote control

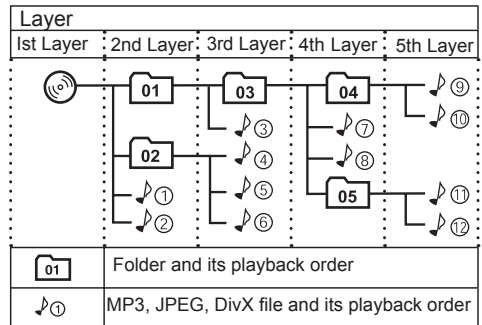
GROUP GROUP



MP3, JPEG, DivX folders/files structure

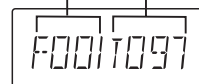
This unit can play MP3, JPEG, DivX files in below order.

It may be different to MP3, JPEG, DivX files in large capacity USB device.



- Up to 8th layer can be accessed. 9th layer and over may not be accessed.
- This unit can recognize up to 130 folders or 999 files per disc or USB device. The disc or USB device with 131 folders or 1000 files and over may not be played back in some conditions.
- After reading the MP3 file the unit display as below.

Total folder number Total track number



- All half-width lowercase alphabets used for the file name and folder name will be displayed by changing to half-width capital alphabets following specification of the unit.

Program playback (maximum 16 items)

VCD CD MP3

1. To show program setting picture

In stop mode press the PROG./ANGLE button.

Remote control



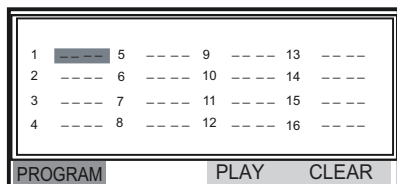
2. Select program number.

Press the ▲, ▼, ► or ◀ button to select desired program number.

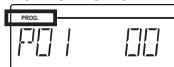
Remote control



To TV



To main unit

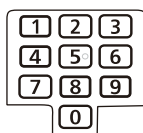


During program playback setting "PROG." appears.

When pressing the ◀ or ► button on the remote control, the program number on the main unit's display may be skipped (Example: 1→5) in accordance with the number sequence of TV display.

3. Enter a track number.

Remote control



4. Repeat steps 2-3 to program your desired track.

5. Press the ►/|| button.

Main unit



Remote control



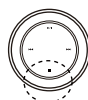
Program playback starts following the programmed track number order.

If some program track numbers have not been set, the playback will skip them.

6. Stop playback.

Press the ■ button once.

Main unit



Remote control



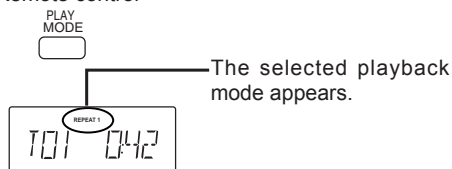
- To cancel program playback, press the ■ button in stop mode.
- The same track can be programmed more than once.
- The numeric button cannot be used to select the track during program playback.
- During program playback you can press the PLAY MODE button to select single track or all programmed tracks and play repeatedly. (Refer to page 16).

Discs/USB operation (continued)

Repeat/Random play

During playback press the PLAY MODE button repeatedly to select the desired playback mode.

Remote control



REPEAT 1	Repeat one track (chapter)
GROUP REPEAT	Repeat all tracks in current folder (Title). * For program playback it can not be selected
REPEAT	Repeat all tracks (or all programmed tracks)
Indicator disappear	Normal playback
RAND.	Random playback * For DivX playback and program playback it cannot be selected.
Indicator disappear	Random play off (Normal play)

A-B repeat playback

Remote control



Press the button during playback at the beginning of the section you want to repeat (Point A).

Press the button again at the end of the section (Point B).

The section between points A and B is played back repeatedly.

To return to normal playback, press the button again.

Note:

Repeat playback or A-B repeat playback mode may not work correctly with some discs.

Sound mode

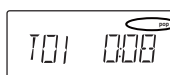
You can enjoy the sound from the speakers using the tone you like.

Press the PRESET EQ button repeatedly to select desired sound mode.

Main unit Remote control

PRESET EQ

PRESET EQ



The selected sound mode appears.

ROCK	Adds punch to rock.
CLASSIC	Clarifies higher frequencies.
JAZZ	For background music.
POP	Adds gloss to vocal.
Indicator disappear	No using sound mode.

D.Bass effect

The sound from the speakers can output D.BASS effect.

Remote control



Press the D.BASS button to turn on the effect. Press again to cancel the effect.

DVD/VCD operation

“ERROR” may appear on the TV screen during operation. This means that the function is not available on the disc now.

Selecting a top menu

Remote control



Press the DISC MENU button.

DVD-V: The top menu appears on the screen.

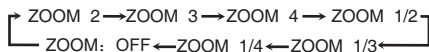
VCD: PBC: [OFF] PBC: [ON] appears on the screen.
Select PBC: [ON] when using playback control menu.
Select PBC: [OFF] when playback in normal mode.

Picture zoom

Remote control



Press the ZOOM button repeatedly during playback to select the desired zoom level.



Selecting the desired camera angle

In the case of a DVD disc (multi angle) that contains scenes shot simultaneously from multiple camera angles, it is possible to select the desired camera angle.

Remote control



Press the button repeatedly during playback until the desired angle appears.

Selecting subtitle language

Remote control



Press the button repeatedly during playback until the desired subtitle language appears on the screen.

Note:

This operation works only with discs on which multiple subtitle languages are recorded.

Selecting audio

Remote control



DVD-V: **Selecting audio soundtrack language**

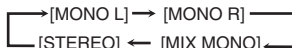
Press the button repeatedly during playback until the desired language appears on the screen.

Note:

This operation works only with discs on which multiple audio sound track languages are recorded.

VCD: **Selecting the audio channel output**

Press the button repeatedly during playback to select an audio channel.



Note:

Selecting audio channel operation may differ depending on the disc used and may not be possible on some discs.

Picture operation (JPEG)

Changing picture

During the slide show or pause mode

For slide show operation, refer to page14.

1. Remote control



Press the ▲ button, the picture changes in the UP-DOWN mirror image.

Press the ▼ button, the picture changes in the LEFT-RIGHT mirror image.

2. Remote control



Press the ► button, the picture turn in the clockwise direction.

Press the ◀ button, the picture turn in the counter-clockwise direction.

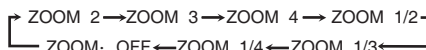
Picture zoom

During the slide show or pause mode

Remote control



Press the ZOOM button repeatedly to select the desired zoom level.



To stop slide show

During slide show

Main unit

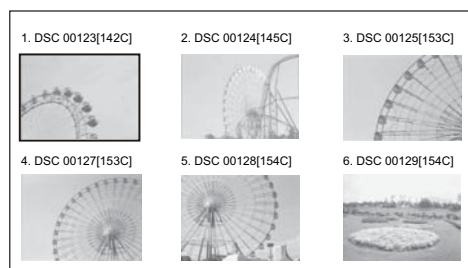


Remote control



Press the ■ button, slide show stops and the thumbnail picture appears.

Press the button again the file list appears.

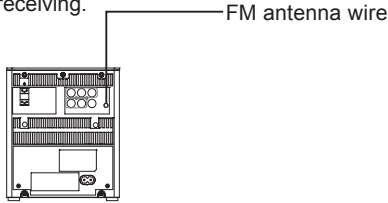


In the thumbnail picture

Press the ▲, ▼, ► or ◀ button to move cursor to select desired file, then press the OK button. The slide show will start from selected file.

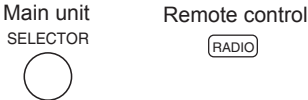
Listening to the radio

- Unwind the antenna wire, then extend the FM antenna wire as straight as possible for better receiving.



Manual tuning

1. Select FM.



2. Tuning



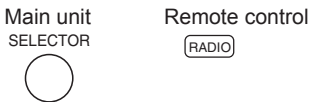
If the ◀◀ or ▶▶ button is pressed and hold for 2 seconds, the receivable station will be tuned automatically.

Memory presetting

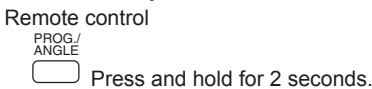
- Up to 20 stations can be preset.

Automatic presetting

1. Select FM.



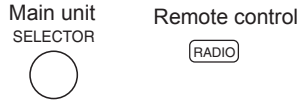
2. To tune in the receivable station automatically.



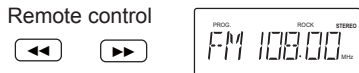
- After the "AUTO" blinks on the display for several seconds, the unit starts to scan up the band and receive the next receivable station.
- Receivable station is preset.
- You may listen to the first preset station automatically.

Manual presetting

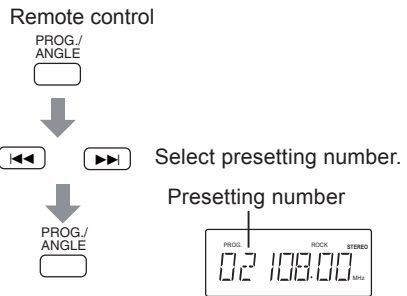
1. Select FM.



2. Search a receivable station.



3. Preset the station.



4. Repeat steps 2-3 to add more preset stations. Up to 20 stations can be preset.

- To overwrite a preset station, please select a new desired number and preset directly.

Selecting a preset station



- * When an FM stereo broadcast is received "STEREO" will display. When the reception is poor, "STEREO" disappears sometimes and blinks sometimes.

Clock setting

1. In the standby mode

Remote control



Press and hold
for 2 seconds.



2. Select hours.

Remote control



3. Select minutes in same method described above.



4. The clock starts.



- Confirmation current time
 - In standby mode press the DISPLAY/CLOCK button. After 5 minutes current time disappears.
 - In power on mode, press and hold the DISPLAY/CLOCK button for 2 seconds. After 3 seconds current time disappears.
- If a power failure occurs or the mains lead is disconnected. Please reset the clock again.

Sleep timer setting

- The sleep timer automatically turns off the power after a preset time has elapsed.

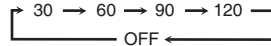
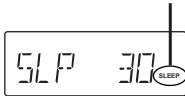
Press the SLEEP/TIMER button repeatedly, the sleep timer will change sequentially as below:

In power on mode...

Remote control



"SLEEP" appears.



- The sleep timer has been set. In this case, press the SLEEP/TIMER button to confirm the remain time before turning off the unit.

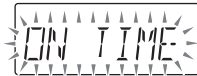
Timer setting

Set the on and off times, desired playback source. Operation will start with the selected playback source at the on time. The power will be switched off at the off time.

- Make absolutely sure that the clock is set to the correct time before setting the timer.

1. In the standby mode.

Remote control



Press and hold for 2 seconds.

The "ON TIME" blinks and the unit goes to the timer on setting mode.

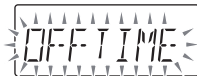
2. Set the hours of the on time.

Remote control



3. Set the minutes of the on time.

Remote control



Timer on time setting is completed. The "OFF TIME" blinks and the unit goes to the timer off setting mode.

4. Repeat steps 2-3 to set the hours and minutes of the off time.

After step 3, "SOURCE" blinks, the unit enters SOURCE setting mode.

5. Set the source to be played back.

Remote control



- DISC/USB/FM can be set as source to be played back.
- When selecting FM as the source to be played back, press the ►► or ◀◀ button to select preset station.



Source setting is completed. Whole timer setting is completed.

6. Turn on the Timer Setting.

Remote control



"⌚" appears.

- As soon as the "⌚" lights on the display, the timer will function every day.
- The power will be turned on at the on time, the "⌚" remains blinking.
- In power on mode, the "⌚" starts blink at the on time, the original playback source doesn't change. The power will be switched off at the off time.
- The timer operation will not function if a power failure occurs.
- When selecting DISC/USB as the source to be played back, if no disc is inserted or no USB device is connected, the source will skip to FM station automatically.
- When the playback starts at the on time the volume level is 12.

(Continued on next page)

Timer setting (continued)

To turn off the Timer Setting

1. In the standby mode
Press the DISPLAY/CLOCK button.

Remote control



2. Press the SLEEP/TIMER button.

Remote control



"⌚" indicator disappears.



External equipment operation

You can play music from an external equipment.

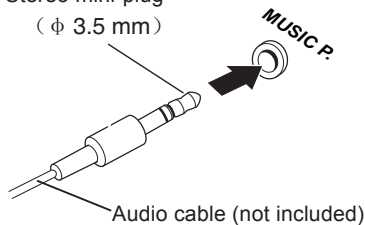
Preparation

Switch off the equalizer (if any) of the external equipment to prevent sound distortion.

Decrease the volume of this unit and the external equipment before you connect or disconnect the external equipment.

1. Connect an external equipment to the MUSIC P. jack of the unit (Front panel).

Stereo mini-plug
(ϕ 3.5 mm)



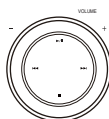
3. Play the equipment.

Play the equipment after connecting.

- Please refer to the operation instruction supplied with the connected equipment.

4. Adjust the volume.

Main unit



Remote control



If volume of the equipment is too low please turn up it.

Note:

- When MUSIC P. is selected but an audio cable is not connected, after 10 minutes the power will turn off automatically.
- (For Australia, New Zealand)
When an external equipment has been connected, but no signal from the external equipment is received, after 10 minutes the power will turn off automatically.

2. Select MUSIC P..

Main unit

SELECTOR



Remote control

MUSIC PORT



Changing the main unit and remote control mode

It is possible to affect the unit when operating the remote control of other product. At this moment please change the remote control mode. Factory default setting is "REMOTE 1".

Change the unit to "REMOTE 2"

1. In power on mode, select MUSIC P..
2. Press and hold the ■ button on the main unit and 2 button on the remote control simultaneously for at least 2 seconds. "REMOTE 2" appears.

Change the remote control to "REMOTE 2"

3. Press the 2 button and OK button on the remote control simultaneously for at least 2 seconds.

Confirmation the action

If the remote control can operate, the setting is correct.

If the remote control can not operate please change the remote control in accordance with the display on unit.

Example: The "REMOTE 2" displays on the unit, please operate step 3 above.

Return the remote control to "REMOTE 1"

- (1) In step 2 above press and hold the ■ button on the main unit and 1 button on the remote control simultaneously for at least 2 seconds. "REMOTE 1" appears.
- (2) Press the 1 button and OK button on the remote control simultaneously for at least 2 seconds.

About USB device

- Please read these instructions when connecting an USB device.
- This unit supports less than 10Mbps High Speed.
- When connecting or disconnecting USB device please adjust the volume to minimum.
- This unit only connects an USB device once. Don't try to use USB hub.
- This unit cannot recognize the USB device over 5V/500mA rated value.
- This unit subjected to the electrostatic interference when connecting the USB device may cause playback abnormally. In this case, please disconnect the USB device first, then reset the unit and the USB device.
- This unit can connect the USB device that conform to USB specification and DAP (Digital Audio Player).
- Some DAP is not compatible with this unit.
- This unit cannot play the copyright protection tracks.
- This unit cannot play the tracks being coded with special method or being encrypted.
- When connected to the USB port of this unit you can charge the USB device.
- When playing back the files in USB device, never disconnect the USB device. So doing, it will cause damage of the unit and USB device.
- This unit can play the MP3/JPEG files in USB device (Maximum data transmission rate: 320kbps).
- This unit may not play back some files in USB device even if their formats are listed before (page5).
- When playing back the files with large transmission rate, the picture or sound may be lost during playback.
- Some USB large capacity storage device may not be recognized and work normally.
- For the data losing during playback of the USB large capacity storage device will not be responsibility.

Reference information

Unit and disc care

Clean this unit with a soft, dry cloth

- Never use alcohol, paint thinner or benzene to clean this unit.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.
- Cleaning of the lens is generally not necessary although this depends on the operating environment.
- Do not use commercially available lens cleaners as they may cause malfunction.

Clean discs

- Wipe with a damp cloth and then wipe dry.



Disc handling precautions

- Handle discs by the edges to avoid inadvertent scratches or fingerprints on the disc.
- Do not attach labels or stickers to discs.
- Do not use record cleaning sprays, benzene, thinner, static electricity prevention liquids or any other solvent.
- Do not use the following discs:
 - Discs with exposed adhesive from removed stickers or labels (rented discs etc.).
 - Discs that are badly warped or cracked.
 - Irregularly shaped discs, such as heart shapes.

Region number

Region number (Regional restriction code) is built-in to the unit and DVD discs. There is a region number on the rear of the unit. The same region number or region number "ALL" of DVD discs can be used on this unit.

Region number:

For Southeast Asia,
Thailand



For South Africa,
the Middle East



For Australia, New Zealand



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- This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.
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- **DVD** is a trademark of DVD Format/Logo Licensing Corporation.
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ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

(DivX® version cannot be upgraded on this product).

DivX

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Troubleshooting guide

Before requesting service, make the checks below. If you are not sure about some of the check points, or if the solutions below were not a solution to the problem, consult your dealer for instructions.

Power		Page
No power.	• Connect the AC mains lead correctly.	9
The system automatically switches off.	• The system is switched off by the sleep timer or the auto off function.	12, 20 -21

Main unit displays		Page
"STOP" or "ERR DISC"	• You put in a disc that the system cannot play. Change to a playable disc. • You put in a blank disc or a disc that has not been finalized.	4 -
"NO DISC"	• You have not put in a disc. • You have not put in the disc correctly. Put it in correctly.	12 24
"STOP"	• USB mass storage device does not have files.	23
"ERROR"	• An incorrect operation was done. Read the instructions and try again.	-
"REMOTE 1" or "REMOTE 2"	• The remote control and main unit are in different modes. Change the remote control mode to make it the same as the main unit mode.	23

General operation		Page
The system does not respond.	• The system cannot operate correctly because of lightning, static electricity or some other external causes. Disconnect the AC mains lead, and then connect it again. • There is condensation. Let the system dry for 1 to 2 hours.	9 -
No operations can be done with the remote control.	• Point the remote control at the signal sensor on the main unit to operate. • Examine that the batteries are installed correctly. • The batteries are weak. Replace them with new ones.	8 8 -

Disc operation		Page
Playback does not start.	• If a disc contains CD-DA and other formats, correct playback is not possible. • [DivX] If playing DivX VOD content, refer to the website where you purchased it. (Example: http://vod.divx.com)	- -
Playback control menu does not show.	[VCD] Use the disc with playback control (PBC). • Press the DISC MENU button.	17
No subtitles.	• It is possible that the subtitles are not shown because of the disc.	17
Cannot select alternative languages.	• Select from the menu of the disc if one is available.	-
The SYSTEM menu cannot be accessed.	• Select "DVD/CD" or "USB" as the source.	10
Playback starts automatically from some point among content.	• [DVD-V] [VCD] [CD] When changing SELECTOR or turning the power on the playback will start from some point among content sometimes even if the [▶/] button is not pressed.	-

Sound		Page
No sound.	• Examine the connections.	8
	• Increase the volume.	12
	• There is possibly a pause in the sound when you change the play speed.	13
	• DivX Audio is possibly not output because of how the contents are made.	-
Humming heard during playback.	• An AC mains lead or a fluorescent light is near the cables. Keep other appliances and cords away from the cables of this system.	8

Picture		Page
Picture is distorted.	• It is common to experience some distortion during "SEARCH".	-
No picture.	• Examine the connection.	9
	• Make sure that the video input mode of the TV is correct.	9
A defective TV display or faded colours.	• The system and TV are using different video systems. - Use the multi-system	9, 10
Picture stops.	• DivX Picture may stop if the DivX contents are too big.	-

Progressive video		Page
There is a ghosting effect when the progressive output is on.	• Set "VIDEO" in "SYSTEM" menu to "INTERLACE-YUV".	10
Picture not in progressive output.	• Set "VIDEO" in "SYSTEM" menu to "P-SCAN YPBPR".	10

Radio		Page
Distorted sound or noise is heard. "STEREO" flickers or does not show.	• Unwind the FM antenna wire and extend it as straight as possible, then adjust its position.	19
A beat sound is heard.	• Switch off the TV or move it away from the system.	-

USB		Page
The USB mass storage device or the contents in it cannot be read.	• The format of the USB mass storage device or the contents in it is/are not compatible with the system.	23
	• USB mass storage devices with storage capacity of more than 32 GB cannot work in some conditions.	-
Slow operation of the USB mass storage device.	• Large content size or large memory USB mass storage device takes longer time to read and show on the TV.	-

Specifications

General

(For Southeast Asia, Thailand, South Africa, the Middle East)

Power supply: AC110 - 240V, 50/60Hz

(For Australia, New Zealand)

Power supply: AC220 - 240V, 50Hz

Power consumption: Approx. 22W

Standby power consumption: Less than 0.5W

Operating temperature range: 0°C to +40°C

Operating humidity range: 35% to 80% RH (no condensation)

Dimensions (W x H x D): 152mm x 175mm x 219mm

Mass: Approx. 1.5 kg

Amplifier section

RMS OUTPUT POWER both channel driven simultaneously:

10% total harmonic distortion (THD)

Total RMS max output power: 50W

(For Southeast Asia, Thailand, South Africa, the Middle East)

PMPO output power: 600W

Speaker section

Impedance: 6 Ω

Input power: 35W (Max.)

Speaker unit(s): Full range 10 cm corn type

Dimensions (W x H x D): 152mm x 175mm x 200mm

Mass: Approx. 1.5 kg

USB section

USB standard: USB 2.0 High-Speed

Media file format support: MP3 (.mp3), JPEG (.jpg, .jpeg), DivX (.divx, .avi)

USB device file system: FAT16, FAT32

Playable USB storage media: USB Thumbdrives

USB port power: 500 mA (Max.)

Sampling frequency: 32, 44.1, 48 kHz

Bit rate: MP3 32 - 320 kbps

DivX Up to 4 Mbps

Terminals section

MUSIC PORT

Terminal: Stereo, Φ3.5mm Jack

Audio output

Terminal: Pin Jack

DVD/CD section

Disc: 8cm /12cm

DVD (DVD-Video format)

DVD-R/-RW /-R DL

(DVD-Video format*1, JPEG, MP3, DivX)

DVD+R/+RW/+R DL (DVD-Video format*1)

CD (CD-DA)

CD-R/RW (CD-DA, MP3, JPEG, DivX)

VIDEO CD

SVCD *2

HDCD

*1 Finalizing is necessary

*2 Conforming to IEC62107

Sampling frequency: CD 44.1 kHz

MP3 32, 44.1, 48 kHz

Bit rate: MP3 32 - 320 kbps

Decoding: 16/20/24 bit (Linear)

Pick up: CD Wavelength 790 nm

DVD Wavelength 650 nm

Laser power: CLASS 1

Video section

Video system: PAL625/50, NTSC

Composite video output:

Output level: 1.0 Vp-p (75 Ω)

Terminal: Pin Jack (1 system)

Component video output:

Y output level: 1.0 Vp-p (75 Ω)

P_B output level: 0.7 Vp-p (75 Ω)

P_R output level: 0.7 Vp-p (75 Ω)

Terminal: Pin Jack (1 system)

(Y: Green, P_B: Blue, P_R: Red)

FM tuner section

Frequency range: FM: 87.50 - 108.00 MHz

Step: 50 kHz

Preset stations: 20 stations

Note:

Specifications are subject to change without notice. Mass and dimensions are approximate.

Limited Warranty (ONLY FOR AUSTRALIA)

Panasonic Warranty

1. The product is warranted for 12 months from the date of purchase. Subject to the conditions of this warranty Panasonic or its Authorised Service Centre will perform necessary service on the product without charge for parts or labour, if in the opinion of Panasonic, the product is found to be faulty within the warranty period.
2. This warranty only applies to Panasonic products purchased in Australia and sold by Panasonic Australia or its Authorised Distributors or Dealers and only where the products are used and serviced within Australia or its territories. Warranty cover only applies to service carried out by a Panasonic Authorised Service Centre and only if valid proof of purchase is presented when warranty service is requested.
3. This warranty only applies if the product has been installed and used in accordance with the manufacturer's recommendations (as noted in the operating instructions) under normal use and reasonable care (in the opinion of Panasonic). The warranty covers normal domestic use only and does not cover damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accident, misuse, neglect, build-up of dirt or dust, abuse, maladjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, exposure to abnormally corrosive conditions or any foreign object or matter having entered the product.
4. This warranty does not cover the following items unless the fault or defect existed at the time of purchase:
 - (a) Cabinet Part(s)
 - (b) Video or Audio Tapes
 - (c) SD cards or USB devices
 - (d) User replaceable Batteries
 - (e) DVD, Blu-ray or Recordable Discs
 - (f) Video / Audio Heads from wear and tear in normal use
 - (g) Information stored on Hard Disk Drive, USB stick or SD card
 - (h) DTV reception issues caused by TV Aerial / Cabling / Wall socket(s)
5. Some products may be supplied with Ethernet connection hardware. The warranty is limited on such products and will not cover
 - (a) Internet and or DLNA connection / setup related problems
 - (b) Access fees and or charges incurred for internet connection
 - (c) The use of incompatible software or software not specifically stipulated in the product operations manual; and
 - (d) Any indirect or consequential costs associated with the incorrect use or misuse of the hardware, its connection to the internet or any other device.
6. To claim warranty service, when required, you should:
 - Telephone Panasonic's Customer Care Centre on 132600 or visit our website referred to below and use the Service Centre Locator for the name/address of the nearest Authorised Service Centre.
 - Send or take the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt as a proof of purchase date. Please note that freight and insurance to and / or from your nearest Authorised Service Centre must be arranged by you.
 - Note that home or pick-up/delivery service is available for the following products in the major metropolitan areas of Australia or the normal operating areas of the nearest Authorised Service Centres:
 - Plasma/LCD televisions / displays (screen size greater than 103 cm)
7. The warranties hereby conferred do not extend to, and exclude, any costs associated with the installation, de-installation or re-installation of a product, including costs related to the mounting, de-mounting or remounting of any screen, (and any other ancillary activities), delivery, handling, freighting, transportation or insurance of the product or any part thereof or replacement of and do not extend to, and exclude, any damage or loss occurring by reason of, during, associated with, or related to such installation, de-installation, re-installation or transit.

Panasonic Authorised Service Centres are located in major metropolitan areas and most regional centres of Australia, however, coverage will vary dependant on product. For advice on exact Authorised Service Centre locations for your product, please telephone our Customer Care Centre on 132600 or visit our website and use the Service Centre Locator.

In addition to your rights under this warranty, Panasonic products come with consumer guarantees that cannot be excluded under the Australian Consumer Law. If there is a major failure with the product, you can reject the product and elect to have a refund or to have the product replaced or if you wish you may elect to keep the goods and be compensated for the drop in value of the goods. You are also entitled to have the product repaired or replaced if the product fails to be of acceptable quality and the failure does not amount to a major failure.

If there is a major failure in regard to the product which cannot be remedied then you must notify us within a reasonable period by contacting the Panasonic Customer Care Centre. If the failure in the product is not a major failure then Panasonic may choose to repair or replace the product and will do so in a reasonable period of time from receiving notice from you.

**THIS WARRANTY CARD AND THE PURCHASE DOCKET (OR SIMILAR PROOF OF PURCHASE)
SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES**

If you require assistance regarding warranty conditions or any other enquiries, please visit the
Panasonic Australia website www.panasonic.com.au or contact by phone on 132 600
If phoning in, please ensure you have your operating instructions available.

Panasonic Australia Pty. Limited

ACN 001 592 187 ABN 83 001 592 187

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Panasonic Corporation
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