Panasonic®

Operating Instructions

DVD Stereo System

Model No. **SC-VKX25**

dts® 2.0 Channel

DOLBY® DIGITAL

Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully.
Please keep this manual for future reference.
Your system and the illustrations can look differently.

Region code
This system plays DVD-Video marked with labels containing the region number or “ALL”:

Region	Number	Example
Southeast Asia	3	3 ALL 2 3 5
The Middle East and South Africa	2	2 ALL 2 3 5

GA GS

RQT9952-1B

System	SC-VKX25
Main unit	SA-VKX25
Speakers	SB-AKX18

– 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.

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.
  - Do not let metal objects fall inside this unit.

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.
- For South Africa
  This unit is intended for use in moderate climates.
  For others
  This unit is intended for use in tropical climates.
- 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.
- This unit utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration.

AC mains lead

- The mains plug is the disconnecting device. Install this unit so that the mains plug can be unplugged from the socket outlet immediately.

Battery

- Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
- When disposing of the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.
- 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.
- 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.
- Remove the battery if you do not use the remote control for a long period of time. Keep in a cool, dark area.

Licenses

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Table of Contents

Safety precautions 2
Licenses 3
Note on AC mains lead 4
Maintenance 4
About Bluetooth® 4
Supplied accessories 5
Preparing the remote control 5
Placement of speakers 5
Making the connections 6
Overview of controls 8
Easy Setup 10
Preparing the media 10
Media playback 11
Using the navigation menus 13
Using on-screen menus 14
Radio 16
Recording 17
Sound effects 18
Clock and timers 19
External equipment 19
Others 20
Changing system settings 20
Playable media 22
Language code list 23
Troubleshooting 24
Specifications 27

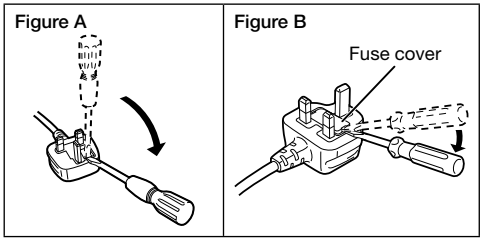
Note on AC mains lead

(For the AC mains plug of three pins)

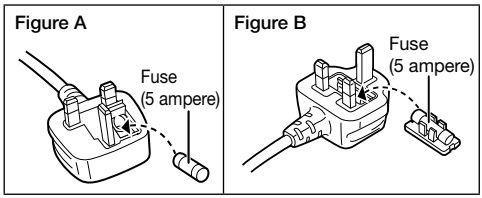
Before use
Remove the connector cover.

How to replace the fuse
The location of the fuse differs according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the 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.



Maintenance

To clean this system, wipe with a soft, dry cloth.
- Never use alcohol, paint thinner or benzine to clean this system.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.

About Bluetooth®

Panasonic bears no responsibility for data and/or information that can possibly be compromised during a wireless transmission.

Frequency band
- This system uses the 2.4 GHz frequency band.

Certification
- This system conforms to the frequency restrictions and has received certification based on frequency laws. Thus, a wireless permit is not necessary.
- The actions below are punishable by law:
  – Taking apart or modifying the main unit.
  – Removing specification indications.

Restrictions of use
- Wireless transmission and/or usage with all Bluetooth® equipped devices is not guaranteed.
- All devices must conform to standards set by Bluetooth SIG, Inc.
- Depending on the specifications and settings of a device, it can fail to connect or some operations can be different.
- This system supports Bluetooth® security features. But depending on the operating environment and/or settings, this security is possibly not sufficient. Transmit data wirelessly to this system with caution.
- This system cannot transmit data to a Bluetooth® device.

Range of use
- Use this device at a maximum range of 10 m.
- The range can decrease depending on the environment, obstacles or interference.

Interference from other devices
- This system may not function properly and troubles such as noise and sound jumps may arise due to radio wave interference if this unit is located too close to other Bluetooth® devices or the devices that use the 2.4 GHz band.
- This system may not function properly if radio waves from a nearby broadcasting station, etc. is too strong.

Intended usage
- This system is for normal, general use only.
- Do not use this system near an equipment or in an environment that is sensitive to radio frequency interference (example: airports, hospitals, laboratories, etc.).

For United Arab Emirates only

UAE-TRA
REGISTERED No:
ER34195/14
DEALER No:
DA0052708/10

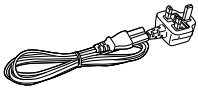
For Oman only

OMAN-TRA
R / 2083 / 14
D090281

Supplied accessories

Check and identify the supplied accessories.

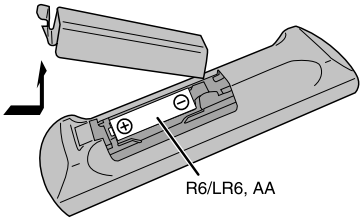
- ☐ For Southeast Asia
  2 AC mains leads
- ☐ For the Middle East and South Africa
  2 AC mains leads
  For Saudi Arabia



- ☐ 1 AM loop antenna
- ☐ 1 FM indoor antenna

- ☐ 1 Video cable
- ☐ 1 Remote control
  (N2QAYB000998)
- ☐ 1 Remote control battery

Preparing the remote control



Use alkaline or manganese battery.

Install the battery so that the poles (+ and –) align with those in the remote control.

Placement of speakers

The left and right speakers are the same.
You cannot remove the net of the speakers.

Use only the supplied speakers.
You can cause damage to the system and decrease the sound quality if you use other speakers.

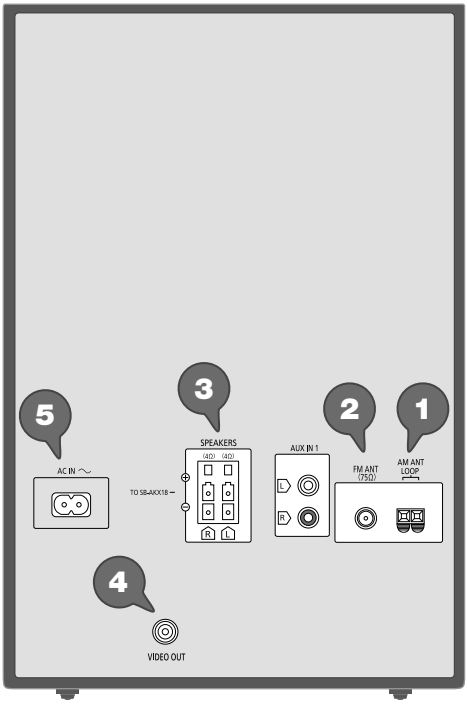
Note:
- Keep your speakers more than 10 mm from the main unit for ventilation.
- Put the speakers on a flat safe surface.
- These speakers do not have magnetic shielding. Do not put them near TVs, PCs or other equipment easily influenced by magnetism.
- When you play at high levels for a long period, it can cause damage to the speakers and decrease the life of the speakers.
- Decrease the volume in these conditions to prevent damage:
  – When the sound is distorted.
  – When you adjust the sound quality.

Irregular colour on your TV
The setup condition of the speakers can cause unwanted effects to the picture of the TV.
If this occurs, switch off the TV for 30 minutes.
If the demagnetising of the TV does not correct the problem, increase the distance between the speakers and the TV.

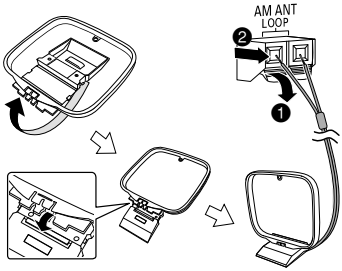
CAUTION!
- **Use the speakers only with the recommended system. If not, you can cause damage to the amplifier and speakers and can cause a fire. Consult an approved service personnel if damage occurs or if there is a sudden apparent change in performance.**
- **Do the procedures included in these instructions when you attach the speakers.**

Making the connections

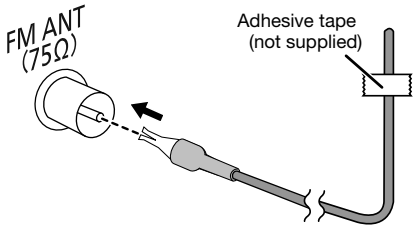
Connect the AC mains lead only after all the other connections have been made.



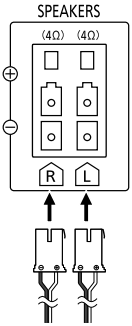
1 Connect the AM loop antenna.
Stand the antenna up on its base until it clicks.



2 Connect the FM indoor antenna.
Put the antenna where reception is best.

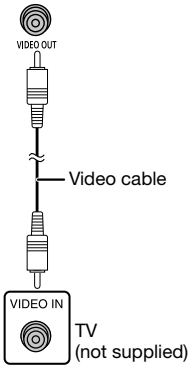


3 Connect the speakers.



4 Connect the TV to this system.

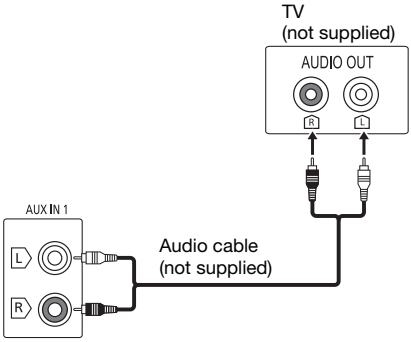
VIDEO OUT terminal



Note:
Do not make the video connections through the VCR.
The video cannot show correctly because of copy-guard protection.

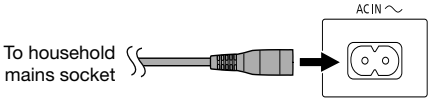
Alternative connection to a TV
To listen to the TV audio on this system, connect the audio cable to this system.

AUX 1 terminal



5 Connect the AC mains lead.

(For the AC mains plug of three pins)
READ THE “Note on AC mains lead” BEFORE CONNECTION.

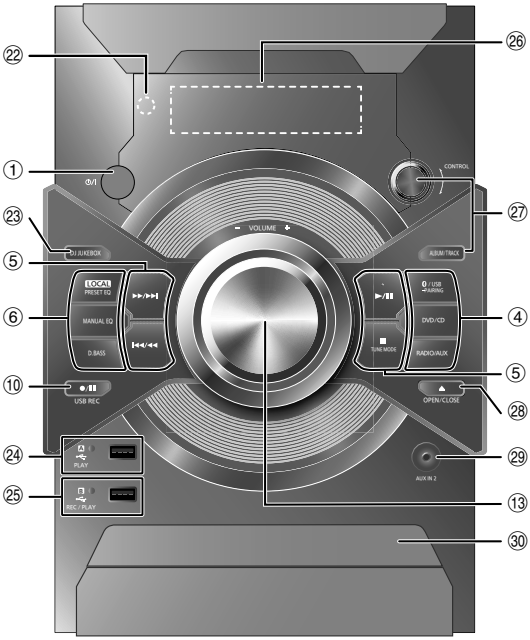


Do not use an AC mains lead from other equipment.

Conserving power
The system consumes a small amount of power even when it is in standby mode. Disconnect the power supply if you do not use the system.
Some settings will be lost after you disconnect the system. You have to set them again.

Overview of controls

Do the procedures with the remote control. You can also use the buttons on the main unit if they are the same.



① **Standby/on switch [⏻], [⏻/I]** (➡ 10, 27)
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**
To set a 2-digit number
Example: 16: [≧10] → [1] → [6]

③ Cancel an item (➡ 12)
Delete the programmed tracks (➡ 12)

④ **Select the source**
On the main unit:
To start Bluetooth® pairing, press and hold [ᛒ/USB, –PAIRING] when you are in Bluetooth® source.

⑤ Basic playback control (➡ 11)

⑥ Select the sound effects (➡ 18)

⑦ Repeat playback (➡ 12)

⑧ Show the disc top menu (➡ 13)
Show the program list (➡ 14)

⑨ View the information shown on the display panel (➡ 11)
Decrease the brightness of the display panel (➡ 25)
Press and hold the button to use this function.
To cancel, press and hold the button again.

⑩ Record content to a USB device (➡ 17)

⑪ Set the sleep timer (➡ 19)
Automatically switch off the system
The auto off function switches off the system if you do not use the system for approximately 20 minutes (except when you are in radio source or when a Bluetooth® device is connected).
Press and hold the button to use this function.
To cancel, press and hold the button again.

⑫ **Operate a Panasonic TV** (compatible models only)
Point the remote control to a Panasonic TV:
[⏻]: Switch on or switch off the TV
[AV]: Change the video input mode of the TV
[+/ –, VOL]: Adjust the volume of the TV

⑬ Adjust the volume level of the system

⑭ **Mute the sound**
To cancel, press the button again.
"MUTE" is also cancelled when you adjust the volume or when you switch off the system.

⑮ Set the play mode item (➡ 11, 12, 16, 20)

⑯ Show the on-screen menu (➡ 14)

⑰ Show the disc menu or playlist (➡ 14)

⑱ Select or confirm menu items
View frame-by-frame (➡ 11)
Browse albums on USB A-AUDIO and USB B-AUDIO source
Press [▲, ▼] to browse.

⑲ Go back to the previous screen (➡ 12, 20)

⑳ Change the system settings (➡ 10, 20)
Set the edit mode for USB B (➡ 18)

㉑ Set the clock and timer (➡ 19)

㉒ **Remote control sensor**
Distance: Within approximately 7 m
Angle: Approximately 20° up and down, 30° left and right

㉓ Select the DJ Jukebox (➡ 18)

㉔ USB A
USB port (⭠)
USB status indicator
Play MP3 tracks, Xvid and JPEG.
Record MP3 tracks to USB B.

㉕ USB B
USB port (⭠)
USB status indicator
Record sound or music tracks.
Play MP3 tracks, Xvid and JPEG.

㉖ Display panel

㉗ **Select MP3 album or track**
Press [ALBUM/TRACK] to select album or track.
Browse tracks or albums
Turn [CONTROL] to browse.
To start playback from the selection, press [►/❚❚].

㉘ Open or close the disc tray (➡ 10)

㉙ AUX IN 2 jack (➡ 20)

㉚ Disc tray

Easy Setup

The EASY SETUP screen assists you in making basic settings.

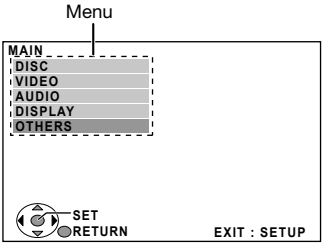
Preparation
Switch on your TV and change its video input mode (example: AV 1 , AV 2, etc.).

1 Press [⏻] to switch on the system.
If the EASY SETUP screen appears, skip steps 2 to 6.

2 Press [DVD/CD].

3 Press [SETUP] to show the SETUP menu.

4 Press [▲, ▼] to select "OTHERS" and then press [OK].



5 Press [▲, ▼] to select "EASY SETUP" and then press [OK].

6 Press [OK] to select "SET".

7 Press [▲, ▼] to select "YES" and then press [OK].

8 Follow the messages and make the settings with [▲, ▼, ◀, ▶] and then press [OK].

Language	Select the language for the on-screen messages.
TV aspect	Select the aspect ratio that suits your TV.

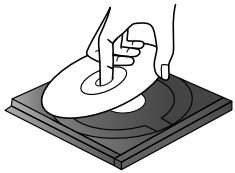
9 Press [OK] to finish EASY SETUP.
Press [SETUP] to close the screen.

Note:
Settings in the EASY SETUP can also be changed in the system settings (➡ 20, "Changing system settings").

Preparing the media

Disc

1 Press [⏏ OPEN/CLOSE] on the main unit to open the disc tray.
Put in a disc with the label facing up.



2 Press [DVD/CD].

USB

Preparation
Before you connect a USB device to the system, make sure you do a backup of the data.

1 Decrease the volume and connect the USB device to the USB port.
Hold the main unit when connecting or disconnecting the USB device.

2 Press [USB] to select "USB A-AUDIO", "USB A-VIDEO", "USB B-AUDIO" or "USB B-VIDEO".
USB status indicator lights up in red when selected.

Note:
- Do not use a USB extension cable. The system cannot recognise USB device connected through a cable.
- USB A-AUDIO and USB B-AUDIO source support MP3 format only.
- USB A-VIDEO and USB B-VIDEO source support JPEG and Xvid formats only.

Bluetooth®

You can connect and play an audio device wirelessly through Bluetooth®.

Preparation
- Switch on the Bluetooth® feature of the device and put the device near the system.
- Read the operating instructions of the device for details.

Pairing a device

Preparation
If this system is connected to a Bluetooth® device, disconnect it (➡ below, "Disconnecting a device").

1 Press [ᛒ, USB] (main unit: [ᛒ/USB, –PAIRING]) to select "BLUETOOTH".
If "PAIRING" is shown, continue with step 4.

2 Press [PLAY MODE] to select "PAIRING".
Or press and hold [ᛒ/USB, –PAIRING] on the main unit until "PAIRING" is shown. Continue with step 4.

3 Press [◀, ▶] to select "OK? YES" and then press [OK].

4 Select "SC-VKX25" from the Bluetooth® menu of the device.
If prompted for a passkey, input "0000".
The device connects with this system automatically after pairing is complete.
The name of the connected device is shown for a few seconds.

Note:
You can pair up to 8 devices with this system. If a 9th device is paired, the device that has not been used for the longest time will be replaced.

Connecting a device

Preparation
If this system is connected to a Bluetooth® device, disconnect it (➡ below, "Disconnecting a device").

1 Press [ᛒ, USB] (main unit: [ᛒ/USB, –PAIRING]) to select "BLUETOOTH".
"BLUETOOTH READY" is shown.

2 Select "SC-VKX25" from the Bluetooth® menu of the device.
The name of the connected device is shown for a few seconds.

3 Start playback on the device.

Note:
- A device must be paired to connect.
- The system can only connect to one device at a time.
- When "BLUETOOTH" is selected as the source, this system will automatically try to connect to the last connected device. ("LINKING" is shown during this process.)
- Press [FL DISPLAY] repeatedly to view the name and profile of the connected device.

Disconnecting a device

1 Press [ᛒ, USB] (main unit: [ᛒ/USB, –PAIRING]) to select "BLUETOOTH".

2 Press [PLAY MODE] repeatedly to select "DISCONNECT?".

3 Press [◀, ▶] to select "OK? YES" and then press [OK].
"BLUETOOTH READY" is shown.
To cancel, select "OK? NO".

Using the main unit
Press and hold [ᛒ/USB, –PAIRING] until "PAIRING" is shown.

Note:
A device is disconnected when you:
- Select a different source.
- Move the device out of the maximum range.
- Disable the Bluetooth® transmission of the device.
- Switch off the system or the device.

Media playback

(➡ 22, "Playable media")

Basic playback

Preparation
To view the picture, switch on your TV and change its video input mode (example: AV 1, AV 2, etc.).

Play	Press [▶/❚❚].
Stop	Press [■] during playback. The position is memorised. "RESUME STOP" shows on the screen. Press again to stop fully.
Pause	Press [▶/❚❚] during playback. Press again to continue playback.
Skip track or content	Press [⏮] or [⏭] (main unit: [⏮/◀◀] or [▶▶/⏭]).
Search (during playback) Slow-motion (during pause)	Press [◀◀] or [▶▶]. Or Press and hold [⏮/◀◀] or [▶▶/⏭] on the main unit. • Up to 5 speeds. • Press [▶/❚❚] to continue normal playback.
View frame-by-frame (during pause)	DVD-V Press [◀❚❚] or [❚❚▶] to go to the previous or next frame. DVD-VR VCD Press [❚❚▶] to go to the next frame.
View information	DVD-VR DVD-V MP3 Xvid JPEG Press [FL DISPLAY] to show available information on the display panel.

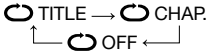
Note:
- For Bluetooth®, only Play, Stop, Pause, Skip and Search can be selected.
- Depending on the type of media, some operations are restricted.

Repeat playback

This works only when the elapsed play time can be shown. It also works with all JPEG contents.

During playback
Press [REPEAT] to select the item to play again.

Example: DVD-V



To cancel, select "OFF".

Note:
Depending on the type of media and playback mode, the display shows different items.

Link mode

(For Bluetooth® source)

You can change the link mode to suit the connection type.

Preparation
If this system is connected to a Bluetooth® device, disconnect it (➡11, "Disconnecting a device").

1 **Press [PLAY MODE] to select "LINK MODE".**

2 **Press [◀, ▶] to select the setting and then press [OK].**

MODE 1	Emphasis on connectivity.
MODE 2 (default)	Emphasis on sound quality.

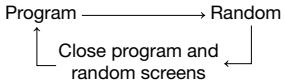
Play mode

While stopped
Press [PLAY MODE] to select the playback mode.

(For USB A-AUDIO and USB B-AUDIO source)

1-TRACK 1-TR	Play one selected track. Press the numeric buttons to select the track.
1-ALBUM 1-ALB	Play one selected MP3 album. Press [▲, ▼] to select the MP3 album.
PROGRAM PGM	Play programmed tracks. 1. Press [▲, ▼] to select the album. 2. Press [▶▶I] and then press the numeric buttons to select the track. 3. Press [OK].
RANDOM RND	Play all tracks randomly.
1-ALBUM RANDOM 1-ALB RND	Play all tracks in one selected MP3 album randomly. Press [▲, ▼] to select the MP3 album.

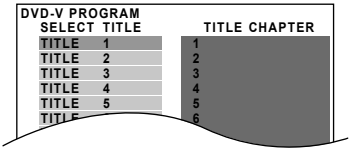
(For DVD/CD, USB A-VIDEO and USB B-VIDEO source)



Note:
- During random playback, you cannot skip to tracks which have been played.
- The setting is cancelled when you open the disc tray.
- DVD-VR Select "DATA" in "DVD-VR/DATA" (➡ 21, "OTHERS" menu) to play MP3, JPEG or Xvid contents.
- If "PLAYBACK MENU" screen appears, refer to "Using playback menu" (➡ 13).
- For a disc with MP3 and JPEG contents, select music or picture contents.
  MP3: Select "MUSIC PROGRAM" or "MUSIC RANDOM".
  JPEG: Select "PICTURE PROGRAM" or "PICTURE RANDOM".
- DVD-V Some items cannot be played even if you have programmed them.

Program playback (maximum 30 items)

1 **Press [▲, ▼] to select an item and then press [OK].**
Example: DVD-V



- Do this step again to program other items.
- To go back to the previous menu, press [⮌, RETURN].

2 **Press [▶/II] to start playback.**

To select all the items
Press [▲, ▼] to select "ALL" and then press [OK].

To clear the selected program
1. Press [▶] and then press [▲, ▼] to select the program.
2. Press [CANCEL DEL].

To clear the whole program
Press [▶] to select "CLEAR ALL" and then press [OK].

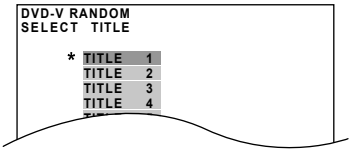
Note:
The whole program is also cleared when you:
– Open the disc tray.
– Switch off the system.
– Select another source.

Random playback

1 **Press [▲, ▼] to select a group or title.**

2 **Press [OK] to put "*" on your selection.**

Example: DVD-V



To cancel a selection, press [OK] again.

3 **Press [►/II] to start playback.**

Using the navigation menus

Using playback menu

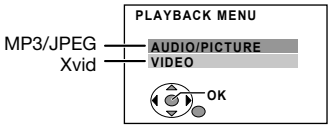
Playing data discs

MP3 JPEG Xvid

DVD-VR Select "DATA" in "DVD-VR/DATA" (➡ 21, "OTHERS" menu) to play MP3, JPEG or Xvid contents.

"PLAYBACK MENU" shows when the disc contains video (Xvid) and other formats (MP3/JPEG).

1 **Press [▲, ▼] to select "AUDIO/PICTURE" or "VIDEO" and then press [OK].**



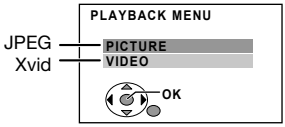
2 **Press [►/II] to start playback.**

Playing USB

JPEG Xvid

"PLAYBACK MENU" shows when you select "USB A-VIDEO" or "USB B-VIDEO".

1 **Press [▲, ▼] to select "PICTURE" or "VIDEO" and then press [OK].**



2 **Press [►/II] to start playback.**

Playing from the selected item

While the "DATA-DISC" screen is shown

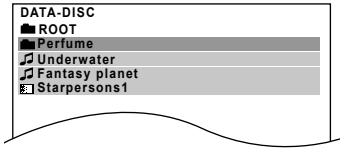
Group/Album
(Folder)

Content/Track
(File)

: MP3

: JPEG

: Xvid



1 **Press [▲, ▼] to select an item.**
Press [◄, ►] to skip page by page.

2 **Press [OK] to start playback.**
Playback starts from the item you select to the last item in the group or album.

To close the screen, press [MENU].

JPEG

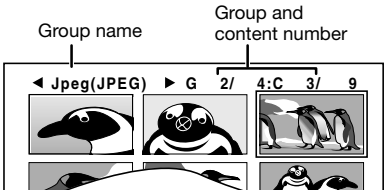
Selecting picture in thumbnail menu

While the display shows a picture

1 **Press [TOP MENU].**

2 **Press [▲, ▼, ◄, ►] to select a picture and then press [OK].**
Press [►►I] or [I◄◄] to skip page by page.

To select a picture in other groups
1. Press [▲] to select the group name.
2. Press [◄, ►] to select the group and then press [OK].



To close the screen, press [MENU].

Playing DVD-R/-RW (DVD-VR) discs

DVD-VR

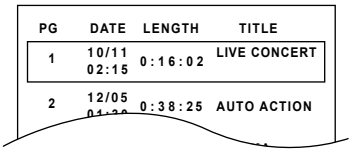
- Display shows the title only if a title is given during recording.
- You cannot edit programs, playlists and disc titles.

Playing the programs

While stopped

1 **Press [DIRECT NAVIGATOR].**

2 **Press [▲, ▼] to select the program and then press [OK].**
Press [◀, ▶] to skip page by page.



To close the screen, press [DIRECT NAVIGATOR].

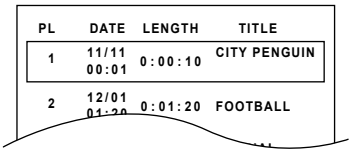
Playing the playlist

This works only when the disc contains a playlist.

While stopped

1 **Press [PLAYLIST].**

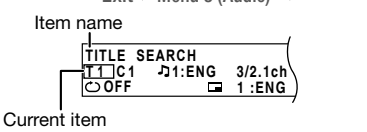
2 **Press [▲, ▼] to select the playlist and then press [OK].**
Press [◀, ▶] to skip page by page.



To close the screen, press [PLAYLIST].

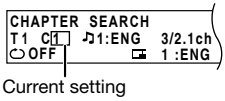
Using on-screen menus

1 **Press [FUNCTIONS] to show the on-screen menu.**



2 **Press [▲, ▼, ◀, ▶] to select an item and then press [OK].**

Example: Menu 1 (Disc/Play) DVD-V



3 **Press [▲, ▼] to make the settings and then press [OK].**

To close the screen, press [↩, RETURN].

The type of disc and the disc format can cause some items to not show or work.

Menu 1 (Disc/Play)

TRACK SEARCH, TITLE SEARCH, CONTENT SEARCH, CHAPTER SEARCH, PG SEARCH (program search), PL SEARCH (playlist search)

Start playback from a specified item

VCD This function does not work when you play a disc with the playback control (PBC) function.

Example: DVD-V : **T2 C5**

To select numbers for data disc

Example: 12: [≧10] → [1] → [2] → [OK]

♫ AUDIO

DVD-V Xvid

(with multiple soundtrack)

Select audio soundtrack

DVD-V

Change the audio mode (when using Karaoke formatted source)

Solo disc
- **OFF:** Vocals off
- **ON:** Vocals on

Duet disc
- **OFF:** Vocals off
- **V1+V2:** Vocal 1 and 2
- **V1:** Vocal 1
- **V2:** Vocal 2

DVD-VR VCD

Select "L", "R", "L+R" or "L R"

Signal type/data
LPCM/PPCM/DD/DTS/MP3/MPEG:
Signal type kHz (sampling frequency)/bit/ch (number of channels)
Example: 3/2 .1ch
.1: Low frequency effect
(not shown if there is no signal)
0: No surround
1: Mono surround
2: Stereo surround (left/right)
1: Center
2: Front left + Front right
3: Front left + Front right + Center

Xvid It can be a while before playback starts if you change the audio of a Xvid disc.

PLAY SPEED

DVD-VR DVD-V

Change play speed
– from “x0.6” to “x1.4” (in 0.1-unit step)
• Press [▶/❚❚] two times to continue normal playback.
• After you change the speed:
– Audio output will switch to 2-channel stereo.
– Sampling frequency of 96 kHz is converted to 48 kHz.

REPEAT MODE

(➡ 12, “Repeat playback”)
A-B Repeat: Repeat a specified section
Except JPEG Xvid DVD-VR (still picture part) VCD (SVCD only)
Press [OK] at the start and end points.
• To cancel, select “OFF”.

SUBTITLE

DVD-V (with multiple subtitles) VCD (SVCD only)
Select subtitle language
• For +R/+RW disc, a number display will replace the subtitles that cannot be shown.

DVD-VR (with subtitle on or off information)
ON ↔ OFF

ANGLE

DVD-V (with multiple angles)
Select a video angle

JPG DATE DATE DISPLAY

JPEG
Show the date of a picture
ON ↔ OFF

ROTATION

JPEG
Rotate a picture (during pause)

0 ↔ 90 ↔ 180 ↔ 270

Menu 2 (Video)

PICTURE MODE

NORMAL: Normal images.
CINEMA1: Mellows images and enhances details in dark scenes.
CINEMA2: Sharpens images and enhances details in dark scenes.
DYNAMIC: Enhances the contrast for powerful images.
ANIMATION: Suitable for animation.

ZOOM

Select zoom sizes
NORMAL, AUTO (DVD-VR DVD-V VCD Xvid), x2, x4
JPEG (during pause)

SOURCE SELECT

Xvid
AUTO: Converts the Xvid content automatically.
INTERLACE: Select if the Xvid content was encoded in interlace format.
PROGRESSIVE: Select if the Xvid content was encoded in progressive format.

Menu 3 (Audio)

DIALOGUE ENHANCER

Make the dialogue in films easier to hear
DVD-V (Dolby Digital, DTS, 3-channel or higher, with the dialogue recorded in the center channel)
Xvid (Dolby Digital, 3-channel or higher, with the dialogue recorded in the center channel)
ON ↔ OFF

Radio

Preparation
Press [RADIO/AUX] to select “FM” or “AM”.

Manual tuning

Press [◀◀] or [▶▶] to tune in to the station.
To tune automatically, press and hold the button until the frequency starts changing quickly.
“**ST**” is shown when a stereo broadcast is being received.

Using the main unit

1 **Press [TUNE MODE] to select “MANUAL”.**

2 **Press [|◀◀/◀◀] or [▶▶/▶▶|] to tune in to the station.**

Improving the sound quality

When “FM” is selected

1 **Press [PLAY MODE] to select “FM MODE”.**

2 **Press [◀, ▶] to select “MONO” and then press [OK].**
To cancel, select “STEREO”.
“MONO” is also cancelled when you change the frequency.

Memory presetting

You can preset up to 30 FM and 15 AM stations.

Automatic presetting

1 **Press [PLAY MODE] repeatedly to select “A.PRESET”.**

2 **Press [◀, ▶] to select “LOWEST” or “CURRENT”.**

LOWEST	Tuning begins from the lowest frequency.
CURRENT	Tuning begins from the current frequency.

3 **Press [OK] to start presetting.**
The tuner presets all the stations it can receive into the channels in ascending order.
To cancel, press [■].

Manual presetting

1 **Press [◀◀] or [▶▶] (main unit: [▶▶/▶▶|] or [|◀◀/◀◀]) to tune in to the station and then press [OK].**
“PGM” is shown.

2 **Press the numeric buttons to select a preset number.**
The new station replaces any station that occupies the same preset number.

Do steps 1 and 2 again to preset more stations.

Selecting a preset station

Press the numeric buttons, [|◀◀] or [▶▶|] to select the preset station.

Using the main unit

1 **Press [TUNE MODE] to select “PRESET”.**

2 **Press [|◀◀/◀◀] or [▶▶/▶▶|] to select the preset station.**

AM allocation setting

By main unit only

This system can also receive AM broadcasts allocated in 10 kHz steps.

1 **Press [RADIO/AUX] to select “FM” or “AM”.**

2 **Press and hold [RADIO/AUX].**

After a few seconds, the display panel shows the current minimum radio frequency. Release the button when the minimum frequency changes.
- To go back to the initial setting, do the above steps again.
- After you change the setting, preset frequencies are erased.

Recording

This system can record up to the followings depending on the available storage capacity of the USB device in USB B and the mode selected:
- MP3 disc and CD-DA to USB B
  – 255 folders or a total of 4000 tracks.
- USB A-AUDIO and others to USB B
  – 800 folders (maximum 999 tracks in an album) or a total of 8000 tracks.

To check storage space
In the stop mode (except for DVD/CD, USB A-VIDEO and USB B-VIDEO), press [FL DISPLAY].
- "UPDATE" is shown when the system is reading the device.
- "NODEVICE" is shown if there is no USB device connected to USB B.

Panasonic cannot be held responsible on the action of consumer to record copyrighted contents which can cause copyright infringement.

Note:
- All recordings are in ".mp3" format.
- You cannot do recording when you are using random playback mode.
- You cannot do recording when DJ jukebox is switched on.
- Repeat playback mode is off during recording.
- A new album is added each time you do a recording.
- The sequence of album may change after the recording.
- The recordings are kept in a folder named "REC_DATA" in the USB device.
- USB status indicator blinks in red during USB recording.

Basic recording

1 Select the source you want to record.
CD-DA
Prepare the disc playback mode (➡ 12, "Play mode")
Make sure the disc is stopped.
Radio
Tune in to the radio station.
External equipment
Connect and play the equipment
(➡ 19, "External equipment").

2 Press [USB REC ●/II] to start recording.
The name of the folder that keeps the recording is shown.

Stop recording	Press [■]. "WRITING" is shown.
Pause recording	Press [USB REC ●/II] during recording. Press again to continue recording. **Note:** You can pause during recording from radio, AUX 1 or AUX 2 (except in SYNCHRO mode). A track mark is added every time you pause (➡18, "Adding track marks").

Note:
- Wait for a few seconds for the system to prepare the USB device before recording starts.
- When the next track of the CD-DA disc is being recorded, it will be shown on the display.

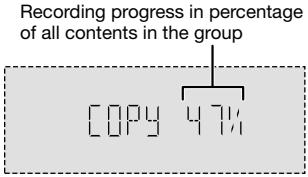
Recording MP3 tracks

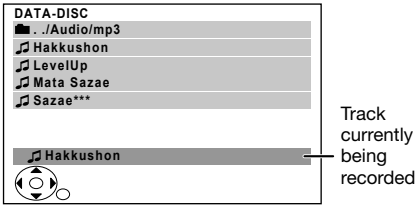
Recording from MP3 disc

1 Put in the disc.

2 Press [▲, ▼] to select the album and then press [OK].

3 Press [USB REC ●/II] to start recording.
Example: Recording an album from MP3 disc.

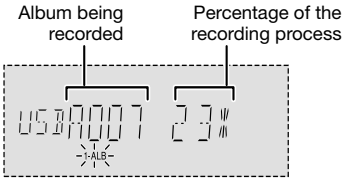




Recording from USB A-AUDIO

1 Prepare the source you want to record.
You can also use playmode function to record specified files (➡ 12, "Play mode").

2 Press [USB REC ●/II] to start recording.
Example: Recording an album from the USB device.



Stop recording	Press [■]. Recording stops at the last fully recorded track in the album. For example, if you stop recording during the fourth track, only the first three tracks are recorded."NO FILE RECORDED" is shown if no track is recorded.

Note:
- Some tracks can use a longer time to record.
- Some tracks cannot be recorded because of the condition of the source.
- When recording from MP3 disc, the recorded file name will be different from the original file.
- When recording from USB A-AUDIO, the recorded file name will be the same as the original file (maximum 32 characters).

Adding track marks

When recording from radio or external equipment, you can divide tracks using various modes.

Before recording
Press [EDIT MODE] to select the setting.

MANUAL	Add a track mark manually. Press [OK] during recording to add a track mark.
SYNCHRO (For AUX 1 or AUX 2 source)	Recording starts automatically when the other equipment starts to play. Recording pauses when it detects silence for 3 seconds.
TIME MARK	A track is automatically divided at 5-minute intervals.

Note:
- During recording, if you press [OK] or pause recording while using "TIME MARK" mode, the 5-minute counter is reset.
- You cannot add track marks manually in "SYNCHRO" mode.

Deleting recorded tracks

1 Press [ᛒ, USB] (main unit: [ᛒ/USB, –PAIRING]) to select "USB B-AUDIO".

2 Press [▲, ▼] to select album.

3 Press [|◀◀] or [▶▶|] to select the track.

4 Press [EDIT MODE] to select the mode.

TRK DEL	Delete a single track.
ALB DEL	Delete one album (maximum 999 tracks).
FORMAT	Format the USB device.

5 Press [OK].
The selected item to be deleted is shown.

6 Press [OK].
"SURE? NO" is shown.

7 Press [◀, ▶] to select "YES" and then press [OK].
"WRITING" is shown.
To cancel, select "NO".

Sound effects

Sound effects

1 Press [SOUND] to select the sound effect.

2 Press [◀, ▶] to select the setting and then press [OK].

PRESET EQ	Select the desired preset EQ setting. *Using the main unit* Press [LOCAL PRESET EQ].
BASS MID TREBLE	–4 to +4 *Using the main unit* 1. Press [MANUAL EQ] to select "BASS", "MID" or "TREBLE". 2. Press [|◀◀/◀◀] or [▶▶/▶▶|] to adjust the level.
SURROUND	"ON SURROUND" or "OFF SURROUND" (default)
INPUT LEVEL (For AUX 2 source)	"NORMAL" (default) or "HIGH" **Note:** Select "NORMAL" if the sound is distorted during "HIGH" input level.
D.BASS	"D.BASS ON" (default) or "D.BASS OFF" *Using the main unit* Press [D.BASS].

DJ jukebox

(For USB A-AUDIO and USB B-AUDIO source)

You can use DJ jukebox to add cross-fading effect between songs. You can also use additional features with the "Panasonic MAX Juke" app (➡ below).

By main unit only

1 Press [DJ JUKEBOX] to select the setting.

OFF CROSSFADE	Cancel cross-fading.
ON CROSSFADE	Add cross-fading.
OFF	Switch off DJ jukebox.

2 During stop mode, turn [CONTROL] to select the repeat setting.

RANDOM REPEAT RND	Play all tracks randomly and repeat all tracks.
ALL TITLE REPEAT	Repeat all tracks.

Note:
DJ jukebox effect is cancelled when you switch off the system or change to another source.

Using the "Panasonic MAX Juke" app
You can download and install the free Android™ app "Panasonic MAX Juke" on Google Play™ for additional features, such as to request song playback from multiple devices simultaneously.

Clock and timers

Setting the clock

This is a 24-hour clock.

1 **Press [CLOCK/TIMER] to select "CLOCK".**

2 **Press [▲, ▼] to set the time then press [OK].**

To check the time
Press [CLOCK/TIMER].

Note:
Reset the clock regularly to maintain accuracy.

Sleep timer

The sleep timer switches off the system after the set time.

Press [SLEEP] to select the setting (in minutes).
To cancel, select "OFF".

SLEEP 30 → SLEEP 60 → SLEEP 90 → SLEEP120 → OFF

To check the remaining time
Press [SLEEP].

Note:
- The play timer and sleep timer or the record timer and sleep timer can be used together.
- The sleep timer always comes first. Be sure not to set an overlap of timers.

Play and record timer

(Except for Bluetooth® source)

You can set the timer to come on at a certain time to:
- Wake you up (play timer).
- Record from the radio or the external equipment (record timer).

Play timer and record timer cannot be used together.

Preparation
Set the clock.

1 **Press [CLOCK/TIMER] to select "◴PLAY" or "◴REC".**

2 **Press [▲, ▼] to set the start time.**

3 **Press [OK].**

4 **Do steps 2 and 3 again to set the end time.**

5 **Press [▲, ▼] to select the source you want to play or record and then press [OK].**

To start the timer

1 **Prepare the audio source.**

Play timer	Prepare the music source you want to listen to (disc, USB, radio or external equipment) and set the volume.
Record timer	Connect the USB device to USB B and tune to the radio station or select the external equipment.

2 **Press and hold [◴, –PLAY/REC] and then press the button again to select the setting.**

TIMER OFF	Cancel the setting.
◴PLAY ON	Start the play timer. "◴PLAY" is shown.
◴REC ON	Start the record timer. "◴REC" is shown.

The system must be switched off for the timer to operate.

To check the settings
Press [CLOCK/TIMER] to select "◴PLAY" or "◴REC".
In standby mode, press [CLOCK/TIMER] two times.

Note:
- The play timer starts at a low volume and increases gradually to the preset level.
- The record timer starts 30 seconds before the set time with the volume muted.
- The timer comes on at the set time every day if the timer is on.
- If you switch off the system and switch on again while a timer is in operation, the timer will not stop at the end time.

External equipment

Preparation
- Disconnect the AC mains lead.
- Switch off all equipment and read the appropriate operating instructions.

Using the auxiliary input

You can connect the TV and listen to the audio through this system.

1 **Connect the TV to this system.**
(➡ 7, "Alternative connection to a TV")

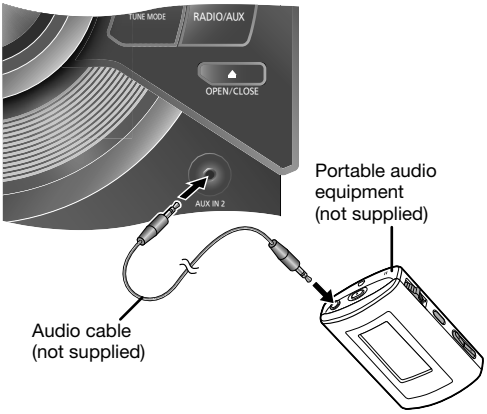
2 **Press [RADIO/AUX] to select "AUX 1".**

Note:
- You can also connect other equipment (such as Blu-ray Disc player, DVD recorder, VCR, etc.) to the AUX 1 terminal of this system.
- Sound distortion can occur when you use an adaptor.

Connect to a portable audio equipment

You can play music from a portable audio equipment.

Preparation
- Switch off the equaliser (if any) of the portable audio equipment to prevent sound distortion.
- Decrease the volume of the system and the portable audio equipment before you connect or disconnect the portable audio equipment.



1 **Connect the portable audio equipment.**
Plug type: Ø 3.5 mm stereo

2 **Press [RADIO/AUX] to select "AUX 2".**

3 **Play the portable audio equipment.**

Others

Bluetooth® standby

This function automatically switches on the system when you establish a Bluetooth® connection from a paired device.

1 **Press [ᛒ, USB] (main unit: [ᛒ/USB, –PAIRING]) to select "BLUETOOTH".**

2 **Press [PLAY MODE] to select "STANDBY MODE".**

3 **Press [◀, ▶] to select "ON STANDBY MODE" and then press [OK].**
To cancel, select "OFF STANDBY MODE".

Changing system settings

1 **Press [DVD/CD].**

2 **Press [SETUP] to show the SETUP menu.**

3 **Press [▲, ▼] to select the menu and then press [OK].**
To go back to the previous menu, press [⮌, RETURN].

4 **Press [▲, ▼] to select an item and then press [OK].**

5 **Press [▲, ▼] to make the setting and then press [OK].**

6 **Press [SETUP] to close the screen.**

- The settings stay intact even if you put the system on standby mode.
- Underlined items are the factory settings in the menu.

EASY SETUP allows successive settings of the items in the shaded area.

"DISC" menu

AUDIO
Change the audio language.

ENGLISH	FRENCH	SPANISH
RUSSIAN	ORIGINAL※1	OTHER ----※2

SUBTITLE
Change the subtitle language.

AUTO※3	ENGLISH	FRENCH
SPANISH	RUSSIAN	OTHER ----※2

MENUS
Change the language for disc menus.

ENGLISH	FRENCH	SPANISH
RUSSIAN	OTHER ----※2	

RATINGS
Set a ratings level to limit DVD-Video playback.
Setting ratings
0 LOCK ALL: To prevent playback of discs without ratings levels.
1 to 7: To prevent playback of DVD-Video with the same ratings recorded on them.
8 NO LIMIT
When you set the ratings level, a password screen is shown.
Follow the on-screen instructions.
Do not forget your password.
A message screen is shown if a DVD-Video with higher ratings level is played.
Follow the on-screen instructions.

PASSWORD
Change the password for "RATINGS" (➡ above).
1. Select "CHANGE" and then press [OK].
2. Input the current password with the numeric buttons and then press [OK].
3. Input the new password with the numeric buttons and then press [OK].

If "VERIFY" is shown, make sure that the new password is correct and input it again.

*1 The original language designated on the disc is selected.
*2 Input the applicable code from the “Language code list” (➡ 23).
*3 If the language selection for “AUDIO” is not available for the disc played, the subtitles in that language will be shown (if available on the disc).

“VIDEO” menu

TV ASPECT
Change the setting to suit your TV and preference.
16:9: Widescreen TV (16:9)
4:3PAN&SCAN: Regular aspect TV (4:3)
The sides of the widescreen picture are cut off so it fills the screen (unless prohibited by the disc).

4:3LETTERBOX: Regular aspect TV (4:3)
Widescreen picture is shown in the letterbox style.

TIME DELAY
When connected with an AV amplifier and Plasma TV, adjust if the audio is out of sync with the video.

0 ms	20 ms	40 ms
60 ms	80 ms	100 ms

NTSC DISC OUT
Change PAL 60 or NTSC output when you play NTSC discs.
NTSC: Output signals from NTSC discs remains as NTSC.
PAL60: NTSC discs can be viewed on PAL TV.

For the Middle East and South Africa
“PAL60” is the factory preset.

STILL MODE
Specify the type of picture shown when in pause mode.
AUTO
FIELD: The picture is not blurred, but the picture quality is lowered.
FRAME: Overall quality is high, but the picture is blurred.

“AUDIO” menu

DOLBY DIGITAL *
BITSTREAM
PCM

DTS *
BITSTREAM
PCM

For the Middle East and South Africa
MPEG*
BITSTREAM
PCM

* Select “BITSTREAM” when the equipment can decode the bitstream (digital form of multi-channel data). If not, select “PCM”. (If the bitstream output to the equipment without a decoder, there can be high levels of noise output that can do damage to your speakers and hearing.)

DYNAMIC RANGE
ON: Adjust for clarity even when the volume is low. The range between the lowest and the highest sound levels is compressed. Convenient for late night viewing. (Only works with Dolby Digital.)
OFF

“DISPLAY” menu

LANGUAGE
Select the language for the on-screen messages.
ENGLISH FRANÇAIS ESPAÑOL
РУССКИЙ

“OTHERS” menu

JPEG
SLIDE SHOW TIME
To change the slideshow time.
1 SEC to 15 SEC (in 1-unit)
15 SEC to 60 SEC (in 5-unit)
60 SEC to 180 SEC (in 30-unit)
“3 SEC” is the factory preset.

EASY SETUP
SET: Shows the EASY SETUP settings.

DVD-VR/DATA
Select to play only DVD-VR or DATA format.
DVD-VR: To play video on DVD-R/RW.
DATA: To play data files on DVD-R/RW.

SCREEN DIMMER
This is to prevent burnt mark on the TV screen.
OFF
WAIT 5 MIN: If there is no operation for 5 minutes, the picture becomes grey. The TV screen will go back to the normal position when you do some operations. (This does not apply during video playback.)

DEFAULTS
This returns all values in the SETUP menus to the default settings.
RESET
The password screen is shown if “RATINGS” (➡ 20, “RATINGS”) is set. Input the same password and then press [OK], then switch off the system and switch on again.

Playable media

Commercial discs

Type	Icon	Details
DVD-Video	DVD-V	• High quality video and audio discs
Video CD	VCD	• Video discs • Including SVCD (conforms to IEC62107)
CD	CD	• Audio discs

Recorded discs and USB devices

Type	Icon	Details
DVD-R/RW R 4.7 R W	DVD-V DVD-VR MP3 JPEG Xvid	• DVD-Video format • Version 1.1 of the DVD Video Recording format • MP3 format • JPEG format • Xvid format
DVD-R DL R R DL	DVD-V DVD-VR Xvid	• DVD-Video format • Version 1.2 of the DVD Video Recording format • Xvid format
+R/+RW/+R DL	DVD-V	• +VR (+R/+RW Video Recording) format
CD-R/RW	MP3 JPEG Xvid	• MP3 format • JPEG format • Xvid format
USB A-AUDIO/ USB B-AUDIO	MP3	• MP3 format
USB A-VIDEO/ USB B-VIDEO	JPEG Xvid	• JPEG format • Xvid format

- Before playback, finalise the disc on the device it was recorded on.
- It is not possible to play all the above-mentioned media in some conditions because of:
  - The type of media.
  - The condition of the recording.
  - The recording procedure.
  - How the files were made (➡ below, “About MP3/ JPEG/Xvid files”).

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.

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.

Video systems

- This system can play discs with PAL and NTSC, but your TV must complement with the system used on the disc.
- Videos from PAL discs cannot be correctly shown on an NTSC TV.
- This system can convert NTSC signals to PAL 60 to show video on a PAL TV (➡ 21, “NTSC DISC OUT” in “VIDEO” menu).

About MP3/JPEG/Xvid files

- This system can access up to:
  - Data disc: 255 folders (excluding root folder) and 4000 tracks.
  - USB A-AUDIO/USB B-AUDIO: 800 albums (including root folder) and 8000 tracks.
  - USB A-VIDEO/USB B-VIDEO: 4000 picture and video contents and 255 groups (excluding root folder).

MP3 (Extension: “.MP3”, “.mp3”)
- This system supports ID3 tags (USB A-AUDIO and USB B-AUDIO only).
- Sampling frequency and compression rate:
  - DVD-R/RW: 11.02, 12, 22.05, 24 kHz (8 to 160 kbps), 44.1 and 48 kHz (32 to 320 kbps)
  - CD-R/RW: 8, 11.02, 12, 16, 22.05, 24 kHz (8 to 160 kbps), 32, 44.1 and 48 kHz (32 to 320 kbps)
- MP3 disc must conform to ISO9660 level 1 or 2 (except for extended formats).

JPEG (Extension: “.JPG”, “.jpg”, “.JPEG”, “.jpeg”)
- JPEG files taken on a digital camera that conforms to DCF Standard (Design rule for Camera File system) Version 1.0 are shown.
  - Files that have been changed, edited or saved with a computer picture editing software are possibly not shown.
- This system cannot show moving pictures, MOTION JPEG and other such formats, still pictures other than JPEG (example: TIFF), or play pictures with attached audio.

Xvid (Extension: ".XVID", ".xvid", ".AVI", ".avi")

- Xvid files that are more than 2 GB or have no index can fail to play correctly on this system.
- This system supports all resolutions until a maximum of 720 x 480 (NTSC)/720 x 576 (PAL).

- There can be differences in the display sequence on the menu screen and computer screen.
- This system cannot play files recorded using packet write.

DVD-R/RW

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

CD-R/RW

- Discs must conform to ISO9660 level 1 or 2 (except for extended formats).
- This system supports multi-session but if there are many sessions, it uses more time for playback to start. Keep the number of sessions to a minimum to prevent this.

USB device

- This system does not guarantee connection with all USB devices.
- This system does not support USB device charging.
- This system can support USB devices of up to 32 GB.
- Only FAT 12/16/32 file system is supported.
- This system supports USB 2.0 full speed.

Note:
The above media may not be played in some cases due to the type of media, the condition of the recording, the recording method, and how the files were created.

Language code list

Abkhazian:	6566	Malayalam:	7776
Afar:	6565	Maltese:	7784
Afrikaans:	6570	Māori:	7773
Albanian:	8381	Marathi:	7782
Amharic:	6577	Moldavian:	7779
Arabic:	6582	Mongolian:	7778
Armenian:	7289	Nauru:	7865
Assamese:	6583	Nepali:	7869
Aymara:	6589	Norwegian:	7879
Azerbaijani:	6590	Oriya:	7982
Bashkir:	6665	Pashto, Pushto:	8083
Basque:	6985	Persian:	7065
Bengali, Bangla:	6678	Polish:	8076
Bhutani:	6890	Portuguese:	8084
Bihari:	6672	Punjabi:	8065
Breton:	6682	Quechua:	8185
Bulgarian:	6671	Rhaeto-Romance:	8277
Burmese:	7789	Romanian:	8279
Byelorussian:	6669	Russian:	8285
Cambodian:	7577	Samoan:	8377
Catalan:	6765	Sanskrit:	8365
Chinese:	9072	Scots Gaelic:	7168
Corsican:	6779	Serbian:	8382
Croatian:	7282	Serbo-Croatian:	8372
Czech:	6783	Shona:	8378
Danish:	6865	Sindhi:	8368
Dutch:	7876	Singhalese:	8373
English:	6978	Slovak:	8375
Esperanto:	6979	Slovenian:	8376
Estonian:	6984	Somali:	8379
Faroese:	7079	Spanish:	6983
Fiji:	7074	Sundanese:	8385
Finnish:	7073	Swahili:	8387
French:	7082	Swedish:	8386
Frisian:	7089	Tagalog:	8476
Galician:	7176	Tajik:	8471
Georgian:	7565	Tamil:	8465
German:	6869	Tatar:	8484
Greek:	6976	Telugu:	8469
Greenlandic:	7576	Thai:	8472
Guaraní:	7178	Tibetan:	6679
Gujarati:	7185	Tigrinya:	8473
Hausa:	7265	Tonga:	8479
Hebrew:	7387	Turkish:	8482
Hindi:	7273	Turkmen:	8475
Hungarian:	7285	Twi:	8487
Icelandic:	7383	Ukrainian:	8575
Indonesian:	7378	Urdu:	8582
Interlingua:	7365	Uzbek:	8590
Irish:	7165	Vietnamese:	8673
Italian:	7384	Volapük:	8679
Japanese:	7465	Welsh:	6789
Javanese:	7487	Wolof:	8779
Kannada:	7578	Xhosa:	8872
Kashmiri:	7583	Yiddish:	7473
Kazakh:	7575	Yoruba:	8979
Kirghiz:	7589	Zulu:	9085
Korean:	7579		
Kurdish:	7585		
Laotian:	7679		
Latin:	7665		
Latvian, Lettish:	7686		
Lingala:	7678		
Lithuanian:	7684		
Macedonian:	7775		
Malagasy:	7771		
Malay:	7783		

Troubleshooting

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the solutions indicated do not solve the problem, consult your dealer for instructions.

Common problems

The unit does not work.
- The safety device has been activated. Do the following:
  1. Press [⏻/I] on the main unit to switch the unit to standby mode. If the unit does not switch to standby mode,
     – Press and hold the button for a minimum of 10 seconds. Or,
     – Disconnect the AC mains lead and connect it again.
  2. Press [⏻/I] again to switch on the unit. If the problem persists, consult your dealer.

The display panel lights up and changes continuously in standby mode.
- Press and hold [■] on the main unit to select "DEMO OFF".

No operations can be done with the remote control.
- Examine that the battery is installed correctly. (➡ 5)

Sound is distorted or no sound.
- Adjust the volume of the system. (➡ 9)
- Switch off the system, determine and correct the cause, then switch on again. It can be caused by straining of the speakers through excessive volume or power, and when using the system in a hot environment.
- Xvid Audio is possibly not output because of how the contents are made.

A humming sound can be heard during playback.
- An AC mains lead or fluorescent light is near the cables. Keep other appliances and cords away from the cables of this system.

The sound level reduces.
- The protection circuit has been activated due to the continuous use at high volume output. This is to protect the system and maintain the sound quality.

No sound from the TV.
- Confirm the audio connection. (➡ 7)

You have forgotten your ratings password.
- Reset all the settings to factory preset.
  1. Press [DVD/CD] and then press [■].
  2. Press [■] on the main unit and [≥10] on the remote control at the same time.
     "INIT" is shown.

Other equipment operates with the supplied remote control.
- Change the remote control mode. (➡ 27)

Disc

Display not shown correctly.
Playback does not start.
- You have not put in the disc correctly. Put it in correctly. (➡ 10)
- Disc is dirty. Clean the disc.
- Replace the disc if it is scratched, warped, or non-standard.
- There is condensation. Let the system dry for 1 to 2 hours.
- If a disc contains CD-DA and other formats, correct playback is not possible.

The total number of tracks shown is incorrect.
The disc cannot be read.
Distorted sound is heard.
- You put in a disc that the system cannot play. Change to a playable disc. (➡ 22)
- You put in a disc that has not been finalised.

Playback starts slowly.
- Playback starts slowly when an MP3 content has still picture data. Even after the content starts, the correct play time will not be shown.
- Xvid This is usual on Xvid video.

Groups deeper than the eighth layer on a data disc are not shown correctly.
MP3 Xvid JPEG
- Groups deeper than the eighth layer are shown as the eighth layer.

A menu screen shows during skip or search.
- This is usual for Video CDs.

Playback control menu does not show.
VCD with playback control (PBC).
- Press [■] two times and then press [▶/II].

The program and random playback functions do not work.
- DVD-V These functions do not work with some DVD-Videos.

Programmed items are not played.
- DVD-V Some items cannot be played even if you have programmed them.

No subtitles.
- Show the subtitles ("SUBTITLE" in Menu 1 (➡ 15)).
- It is possible that the subtitles are not shown because of the disc.

Cannot select alternative languages.
- Select from the menu of the disc if one is available.

Point B is automatically set.
- The end of an item becomes point B when it is at the end. (➡ 15)

The SETUP menu cannot be accessed.
- Select "DVD/CD" as the source. (➡ 10)
- Cancel the program and random playback. (➡ 12, 13)

USB

The USB device or the contents in it cannot be read.
- The format of the USB device or the contents in it are not compatible with the system.
- USB devices with storage capacity of more than 32 GB cannot work in some conditions.
- Make sure you have selected the correct USB source and format type. (➡ 10, 22)

Slow operation of the USB device.
- Large content size or large memory USB device takes longer time to read.

Bluetooth®

Pairing cannot be done.
- Check the Bluetooth® device condition.
- The device is out of the 10 m communication range. Move the device nearer to the system.

The device cannot be connected.
- The pairing of the device was unsuccessful. Do pairing again. (➡ 11)
- The pairing of the device has been replaced. Do pairing again. (➡ 11)
- This system might be connected to a different device. Disconnect the other device and try pairing the device again. (➡ 11)
- The system may have a problem. Switch off the system and then switch on again.

The device is connected but audio cannot be heard through the system.
- For some built-in Bluetooth® devices, you have to set the audio output to "SC-VKX25" manually. Read the operating instructions of the device for details.

Sound from the device is interrupted.
- The device is out of the 10 m communication range. Move the device nearer to the system.
- Remove any obstacle between the system and the device.
- Other devices that use the 2.4 GHz frequency band (wireless router, microwaves, cordless phones, etc.) are interfering. Move the device nearer to the system and distance it from the other devices.
- Select "MODE 1" for stable communication. (➡ 12)

Playback image and sound are not synchronised.
- Restart the playback app of the device.
- Connect the device to the system with an audio cable (not supplied). (➡ 19, 20)

Radio

Sound is distorted.
"ST" flickers or does not show.
- Use an optional FM outdoor antenna. The antenna should be installed by a competent technician.
- Press [PLAY MODE] to select "MONO". (➡ 16)

A beat sound is heard.
- Switch off the TV or move it away from the system.
- Move mobile telephones away from the system if the interference is apparent.

A low hum is heard during AM broadcasts.
- Move the antenna away from other cables and cords.

Main unit displays

The display panel is dark.
- Press and hold [–DIMMER] on the remote control to increase the brightness of the display panel. (➡ 9)

"A NO DEV"
"B NO DEV"
- The USB device is not connected. Examine the connection.

"ADJUST CLOCK"
- The clock is not set. Adjust the clock. (➡ 19)

"ADJUST TIMER"
- The play and/or record timer is not set. Adjust the play and/or record timer. (➡ 19)

"AUTO OFF"
- The system has not been used for 20 minutes and will switch off within a minute. To cancel, press any button. (➡ 9)

"CAN'T REC"
"DEVICE FULL"
- You cannot do recording because the remaining recording time of the USB device is less than the total time of the music source. Change to a USB device which has enough recording time and do the recording again. (➡ 17)

"DVD H □ □"
"DVD F □ □"
□ is a number.
- Disconnect the AC mains lead, and then connect it again. If the service numbers fail to clear, note the service number and contact a qualified service person.

"DVD U11"
- Disc is dirty. Clean the disc.

"ERROR"
- An incorrect operation was done. Read the instructions and try again.

"ERROR" (during recording)
- You cannot select other playback source (example: radio, USB etc.) or press [|◀◀] or [▶▶|] during recording. Stop the recording function.
- You cannot open the disc tray when recording from an AM source.

"F61"
- Examine and correct the speaker cords connection. (➡ 6)
- Disconnect the USB device. Switch off the system and then switch on again.

"F70"
- Examine the Bluetooth® connection. (➡ 11)
- Disconnect the Bluetooth® device. Switch off the system and then switch on again. (➡ 11)

"F76"
- There is a problem with the power supply.
- Disconnect the AC mains lead and consult your dealer.

"F77"
- Disconnect the AC mains lead and consult your dealer.

"TR FULL"
- The number of files has exceeded the supported limit.

"ALB FULL"
- The number of groups or albums has exceeded the supported limit.

“NODEVICE”
“NO DEVICE”
- You cannot do recording or check available storage space because there is no USB device connected to USB B.

“NO DISC”
- You have not put in a disc.
- You have not put in the disc correctly. Put it in correctly. (➡ 10)

“NO MP3”
- Select an MP3 content before recording can start.

“NO PLAY”
“UNSUPPORT”
- Examine the content. You can only play supported format. (➡ 22)
- The files in the USB device can be corrupted. Format the USB device and try again.
- The system may have a problem. Switch off the system and then switch on again.
- You put in a disc that the system cannot play. Change to a playable disc. (➡ 22)
- You put in a blank disc.
- You put in a disc that has not been finalised.

“NO TRACK”
- There is no MP3 file in the USB device.

“PLAYERROR”
- You played an unsupported MP3 file. The system will skip that track and play the next one.

“REC ERROR”
- You disconnected the USB device while recording. Connect the USB device and do recording again. (➡ 10, 17)
- Error occurred during USB recording. Disconnect the USB device and then connect again. (➡ 10, 17)

“REMOTE 1”
“REMOTE 2”
- The remote control and the main unit are using different codes. Change the code of the remote control. (➡ 27)
  - When “REMOTE 1” is shown, press and hold [OK] and [1] for a minimum of 4 seconds.
  - When “REMOTE 2” is shown, press and hold [OK] and [2] for a minimum of 4 seconds.

“TEMP NG”
- The temperature protection circuit has been activated, and the system will switch off. Let the unit cool down before switching it on again.
- Check that the ventilation opening of the unit is not obstructed.
- Ensure this unit is well ventilated.

“USB OVER CURRENT ERROR”
- The USB device is using too much power. Disconnect the USB device, switch off the system and then switch on again.

“VBR”
- The system cannot show the remaining play time for variable bit rate (VBR) tracks.

TV displays

“THIS DISC CANNOT BE PLAYED IN YOUR REGION.”
- You can only play DVD-Video if the region code is compatible with this system. You can check the compatible region code at the rear of the main unit. (➡ Cover page)

“⊘”
- The operation is prevented by the system or disc.

“THIS TYPE OF DEVICE CANNOT BE PLAYED. PLEASE INSERT A DIFFERENT DEVICE.”
- Make sure there is video or picture content in the USB device.

Picture

Picture is distorted.
- It is common to experience some distortion during “SEARCH”.
- Make sure that the system is connected directly to the TV, and is not connected through a VCR. (➡ 7)
- Xvid Change the “SOURCE SELECT” in Menu 2. (➡ 15)

No picture.
- Examine the connection. (➡ 7)
- Make sure that the video input mode of the TV is correct. (➡ 7)

A defective TV display or faded colours.
- The system and TV are using different video systems.

  For Southeast Asia
  - Use the multi-system or NTSC TV.

  For the Middle East and South Africa
  - Use the multi-system or PAL TV.
- The system used on the disc does not complement your TV.
  - Videos on PAL discs cannot be correctly shown on an NTSC TV.
  - This system can convert NTSC signals to PAL 60 to be shown on a PAL TV (“NTSC DISC OUT” in “VIDEO” menu). (➡ 21)

Picture stops.
- Xvid Picture can stop if the Xvid contents are more than 2 GB.

Menus not shown correctly.
- Change the zoom ratio to “NORMAL” in “ZOOM” in Menu 2. (➡ 15)
- Change the “TV ASPECT” in “VIDEO” menu. (➡ 21)

Auto zoom function does not operate correctly.
- Switch off the zoom function of the TV.
- Use the other preset aspect ratios or manual adjustment. (➡ 21)
- Zoom function does not work well especially in dark scenes or does not work at all due to the type of disc.

Remote control code

When other Panasonic equipment responds to the remote control of this system, change the remote control code for this system.

Preparation
Press [RADIO/AUX] to select “AUX 1” or “AUX 2”.

To set the code to “REMOTE 2”

1 **Press and hold [RADIO/AUX] on the main unit and [2] on the remote control until “REMOTE 2” is shown.**

2 **Press and hold [OK] and [2] for a minimum of 4 seconds.**

To set the code to “REMOTE 1”

1 **Press and hold [RADIO/AUX] on the main unit and [1] on the remote control until “REMOTE 1” is shown.**

2 **Press and hold [OK] and [1] for a minimum of 4 seconds.**

Note:
After you set the code, you can continue to use the TV operation buttons on the remote control to operate a Panasonic TV (➡ 9).

System memory reset

Reset the memory when the following situations occur:
- There is no response when buttons are pressed.
- You want to clear and reset the memory contents.

1 **Disconnect the AC mains lead.**

2 **While you press and hold [⏻/I] on the main unit, connect the AC mains lead again.**
Continue to press and hold the button until “– – – – – – – –” is shown.

3 **Release [⏻/I].**
All the settings are set back to the factory preset. It is necessary to set the memory items again.

Specifications

Amplifier section

RMS output power stereo mode	
Front Ch	175 W per channel (4 Ω), 1 kHz
Total RMS stereo mode power	350 W (30% THD)
PMPO output power	3900 W

Tuner, terminals section

Preset station	FM 30 stations AM 15 stations
Frequency modulation (FM)	
Frequency range	87.50 MHz to 108.00 MHz (50 kHz step)
Antenna terminals	75 Ω (unbalanced)
Amplitude modulation (AM)	
Frequency range	522 kHz to 1629 kHz (9 kHz step) 520 kHz to 1630 kHz (10 kHz step)
AUX 1	
Audio input	Pin jack (1 system)
AUX 2	
Sensitivity	100 mV, 4.7 kΩ

USB section

USB port	
USB standard	USB 2.0 full speed
Media file format support	
USB AUDIO	MP3 (*.mp3)
USB VIDEO	JPEG (*.jpg, *.jpeg), Xvid (*.xvid, *.avi)
USB device file system	FAT12, FAT16, FAT32
USB port power	500 mA (max)
Bit rate	Up to 4 Mbps (Xvid)
USB recording	
Bit rate	128 kbps
USB recording speed	1x
Recording file format	MP3 (*.mp3)

Bluetooth® section

Version	Bluetooth® Ver. 2.1 + EDR
Class	Class 2
Supported profiles	A2DP, AVRCP, SPP
Operating frequency	2.4 GHz band, FH-SS
Operation distance	10 m line of sight

Video section

Video system	PAL, NTSC
Composite video output	
Output level	1 Vp-p (75 Ω)
Terminal	Pin jack (1 system)

Disc section

Disc played (8 cm or 12 cm)
(1) DVD (DVD-Video, Xvid[*4, 5])
(2) DVD-R (DVD-Video, DVD-VR, JPEG[*3, 5], MP3[*2, 5], Xvid[*4, 5])
(3) DVD-R DL (DVD-Video, DVD-VR, Xvid[*4, 5])
(4) DVD-RW (DVD-Video, DVD-VR, JPEG[*3, 5], MP3[*2, 5], Xvid[*4, 5])
(5) +R/+RW (Video)
(6) +R DL (Video)
(7) CD, CD-R/RW (CD-DA, Video CD, SVCD[*1], MP3[*2, 5], JPEG[*3, 5], Xvid[*4, 5])

[*1] Conforming to IEC62107
[*2] MPEG-1 Layer 3, MPEG-2 Layer 3
[*3] Exif Ver 2.1 JPEG Baseline files
Picture resolution: between 160 x 120 and 6144 x 4096 pixels (Sub sampling is 4:0:0, 4:2:0, 4:2:2 or 4:4:4). Extremely long and narrow pictures may not be displayed.
[*4] Plays Xvid video.
[*5] The total combined maximum number of recognisable audio, picture and video contents and groups: 4000 audio, picture and video contents and 255 groups (Excluding Root folder).

Pick up

Wavelength	
CD	790 nm
DVD	655 nm

Speaker section

Speaker unit(s)	
Woofer	16 cm cone type
Tweeter	6 cm cone type
Impedance	4 Ω
Dimensions (W x H x D)	200 mm x 334 mm x 233 mm
Mass	3.0 kg

General

Power supply	AC 220 V to 240 V, 50/60 Hz
Power consumption	62 W
Dimensions (W x H x D)	230 mm x 335 mm x 249 mm
Mass	3.0 kg
Operating temperature range	0°C to +40°C
Operating humidity range	35% to 80% RH (no condensation)

Power consumption in standby mode
0.5 W (approximate)
Power consumption in standby mode (With Bluetooth® "STANDBY MODE" set to "ON STANDBY MODE")
0.6 W (approximate)

Note:
- Specifications are subject to change without notice. Mass and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyser.

Panasonic Corporation
Web Site: http://panasonic.net

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En
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