Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully.

Please keep this manual for future reference.

Panasonic Corporation
Web Site: http://www.panasonic.com

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Your system and the illustrations can look differently.
The symbols on this product (including the accessories) represent the following:

AC
Class II equipment (The construction of the product is double-housed.)
ON
Standby

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 recommended accessories.
- Do not allow metal objects or water to 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 a confined space. Ensure the unit is installed in an environment which provides proper ventilation. Ensure that air vents are not obstructed.
- 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.
- This unit is intended for use in moderate and 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.
- Set the unit up on an even surface away from direct sunlight, high temperature, high humidity, and excessive vibration.

Maintenance

Disconnect the AC mains lead before maintenance.

Clean this system with a soft, dry cloth.
- Never use alcohol, paint thinner or benzine to clean this system.
- Do not use any chemical treated cloth.

CAUTION:

- 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 use the battery if the cover has peeled off.
- Do not break open or short-circuit the battery.
- Do not leave the battery(ies) in a car exposed to direct sunlight, high temperature, 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.

About Bluetooth®

Panasonic bears no responsibility for data and/or information that is 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 Bluetooth® certification based on frequency tests. Thus, a wireless permit is not necessary.
- The antennas below are puntuated by law in some countries:
  - Talking phone or modifying the 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 the Bluetooth SIG, Inc.
- Depending on the specifications and settings of a device, it may fail to connect in some operations can be different.
- This system supports Bluetooth® security features. But depending on the operating environment and/or settings, the system may receive radio interference and transmit data wirelessly to the system with caution.

AC mains lead
- Use this device at a maximum range of 10 m.
- The range can decrease depending on the environment, obstacles and interference sources.

Interference from other devices
- This system may not function properly and troubles such as noise and sound jumps may arise due to radio frequency interference. If this unit is too close to other Bluetooth® devices or the devices that use the 2.4 GHz range, such as cordless phones or 2.4 GHz equipment. The Bluetooth® devices may fail to connect or some operations can be different.

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

Note on AC mains lead

For the AC mains plug of three pins

Before-use
- Remove the battery if you do not use the remote control for a long period of time. Keep in a cool, dark area.

Supplied accessories

Check and identify the supplied accessories.
- 1 AC mains lead
- 4 AC mains leads
- 1 Ferrite core
- 1 IM floor antenna
- 1 Remote control battery

Use the AC mains lead that is suitable for your household mains voltage.

Preparing the remote control

Preparation
Disconnect all connected devices and cables from the unit.

Transporting the unit

Preparation
Disconnect all connected devices and cables from the unit.

Note:
- Keep the unit at least 10 m away from other objects for proper reception.
- The speakers do not have magnetic shielding. Do not put them near PCs or other equipment easily influenced by magnetism.
- If the speaker is located too close to other Bluetooth® devices or the devices that use the 2.4 GHz range, such as cordless phones or 2.4 GHz equipment, the level of radio frequency interference can rise. The interference affects the sound and may cause noise, sound jumps or connection drops.
- Depending on the specifications and settings of a device, it may fail to connect or some operations can be different.
- Interference from other devices
- This system may not function properly if radio waves from a nearby broadcasting station, etc. is too strong.

Bluetooth® devices or the devices that use the 2.4 GHz range may cause radio frequency interference. Please ensure that the radio frequency interference is not too strong.

Using the remote control
- The speakers do not have magnetic shielding. Do not put them near PCs or other equipment easily influenced by magnetism.
- If the speakers are located too close to other Bluetooth® devices or the devices that use the 2.4 GHz range, such as cordless phones or 2.4 GHz equipment, the level of radio frequency interference can rise. The interference affects the sound and may cause noise, sound jumps or connection drops.
- Depending on the specifications and settings of a device, it may fail to connect or some operations can be different.
- Interference from other devices
- This system may not function properly if radio waves from a nearby broadcasting station, etc. is too strong.
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.

• Check that the power supply voltage is correct.
• Check that the power cable is properly connected.
• Check that the AC mains lead is correctly connected.
• Check that the remote control is working correctly.

The display panel lights up and changes continuously in standby mode.

• Press and hold [OK] until the display panel changes to "REMOTE 1" and "REMOTE 2".
• Disconnect the AC mains lead.

Remote control code

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

Preparatory steps

Press [SELECT] repeatedly on the unit to select "AUX".

To set to the code to "REMOTE 2"

1 Press and hold [SELECT] on the unit and [OK] until "REMOTE 2" is shown.

2 Press and hold [OK] for 4 minutes.

To set to the code to "REMOTE 1"

1 Press and hold [SELECT] on the unit and [OK] on the remote control until "REMOTE 1" is shown.

Sound from the device is interrupted.

• The device is out of the 10 m communication range. Move the device nearer to the system.
• The device is already connected to the system. Disconnect the AC mains lead and reconnect it.
Overview of controls

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

- Standby/on switch [I/O] (1)
  Press to switch the unit from standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

- Decrease the brightness of the display panel
  The illumination is also switched off.
  To cancel, press the button again.

- Select the audio source
  Press [SELECT] repeatedly to select the source.

- USB – → FM – → D 3
  On the unit:
  To start Bluetooth® pairing, press and hold (1).

- Basic playback control
  View the status menu.
  View the content information.

Preparing media

USB Preparation

Before you connect a USB device to the system, make sure you do the below steps.

- Decrease the volume and connect the USB device to the USB port.

- Press [SELECT =, +] repeatedly to select "USB".

Note:
- Do not use a USB extension cable. The system cannot be used.
- The display panel will not show the USB device.
- When the USB device is connected, some buttons cannot be used.
- If this system is connected to a Bluetooth® device, turn off the Bluetooth® transmission of the device.
- Move the device out of the maximum range.
- Disable the Bluetooth® transmission of the device.

Bluetooth®

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

Preparation

- Switch on the unit.
- Switch on the Bluetooth® device and put the device near the system.
- Repeat the operations described for the device for detail.

Pairing a device

Preparation

If the system is connected to a Bluetooth® device, disconnect it ("Disconnecting a device").

- Press [ ] if "PAIRING" is shown, continue with step 3.

- Press [PLAY MENU] to select "PAIRING" and then press [OK].

- Select "SC-UA3" from the Bluetooth® menu of the device.

Note:
- If prompted for a passkey, input "0000" or "1234".
- The device connects with this system automatically after pairing is complete.
- The MAC address (example: 00:CA:53:B3:10:0F) may be shown before "SC-UA3" is shown.
- The name of the connected device is shown for a few seconds.

Using the unit

Press [ ] and hold (1) until "PAIRING" is shown.

- Press [SELECT =, +] repeatedly to select "USB".

Disconnecting a device

While a Bluetooth® device is connected

- Press [PLAY MENU] repeatedly to select "DISCONNECT".

- Press [ ] to select "OK" and then press [OK].

- BLUETOOTH READY is shown. To cancel, select "OK NO".

Using the unit

Press [ ] and hold (1) until "PAIRING" is shown.

- Press [SELECT =, +] repeatedly to select "MANUAL".

Media playback

The following marks indicate the availability of the file.

USB device with MP3 files.

Basic playback

- Press [ ] 

Step:

Press [ ]

The position is memorised.

Press again to stop fully.

Press [ ]

Press [ ] to select the preset number and then press [OK].

Manual presetting

- Press [PLAY MENU] repeatedly to select "MEMORY"

- Press [ ] to select the mode and then press [OK].

- MODE 1: Preselecting

- MODE 2: Selecting the preset number.

- Note:
  - When playing music contents with this function, the radio and audio output may not be synchronised. In this case, select "OFF".
  - Select "MODE 1" if the sound is interrupted.

Memory presetting

You can preset up to 30 FM stations.

Automatic presetting

- Press [PLAY MENU] to select "AUTOMATIC".

- Press [ ] to select "LOWEST" or "CURRENT" and then press [OK].

- LOWEST: Tuning begins from the lowest frequency.

- CURRENT: Tuning begins from the current frequency.

The tuner presets all the stations it can receive into the channels in ascending order.

- Press [ ] to select the preset.

Manual presetting

- Press [PLAY MENU] repeatedly to select "TUNE MODE".

- Press [ ] on the unit to select "MEMORY".

- Continue with step 3.

- Press [ ] to select the preset number and then press [OK].

- D.BASS LEVEL to select the MP3 album.

- RANDOM (default) Repeat all tracks.

- All Repeat: Repeat all tracks.

Select a preset station

- Press [PLAY MENU] repeatedly to select "TUNE MODE".

- Press [ ] on the unit to select "MEMORY".

- Continue with step 3.

- Press [ ] to select the preset number and then press [OK].

- Press [ ] to select the preset station.

Music playback

You can view the available information, such as MP3 album and track number, on the display panel.


Example: MP3 album number and track number display

- Album number
- Track number

Note:
- Maximum characters that can be shown: Approximately 32
- The system supports ver. 1.0, 1.1 and 2.3 ID3 tags.
- Text data that the system does not support can show differently.
- This system supports ver. 1.0, 1.1 and 2.3 ID3 tags.
- This system does not support ID3 tags ver. 2.4.
- The display panel will not show the USB device.
- When the USB device is connected, some buttons cannot be used.

Note on USB device

- This system does not guarantee connection with all USB devices.
- The system supports USB 2.0 full speed.
- The system can support USB devices up to 32 GB.
- The system has a built-in function to protect all the USB devices.

- Note on USB files

- Files are defined as tracks and folders are defined as albums.
- Tracks must have the extension "mp3" or "MP3".
- Tracks will not necessarily be played in the order you recorded them.
- Some music files fail to work because of the sector size.
- MP3 file on USB device
- This system can access up to:
  800 albums (including root folder)
  8000 tracks
  999 tracks in one album

Sound effects

Prevent EQ

- Press [ ] to select "PRESET EQ".

- Press [ ] to select the setting and then press [OK].

- Press [ ] on the unit to select "OFF".

- Note:
  - These setting changes are selected when you switch on a preset EQ setting.

- Dome

- Press [ ] to select "D.BASS" and then press [OK].

- Press [ ] to select "OFF D.BASS".

- Note:
  - D.BASS LEVEL: This function affects the pitch level of the track and modifies it for the desired sound. Depending on the track, the effect may be small.

Illumination

You can switch on or switch off the illumination on the system.

- Press [ ] to select "ILLUMINATION".

- Press [ ] to select "ON" and then press [OK].

- To cancel, select "OFF".

- Note:
  - When the dimmer function is switched on, the illumination on the system will remain off when you switch on the illumination function.

Jukebox

You can use the jukebox function to add cross-fade effect between songs.

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. You can also call up the tracks you want to play through the app. For details on the app, refer to the site below.

http://www.panasonic.com/support/idos/1946.html

- Press [PLAY MENU] to select "JUKEBOX".

- Press [ ] on the unit to select the setting and then press [OK].

- Press [ ] to select the setting and then press [OK].

- Press [ ] to select the MP3 album.

- Press [ ] to select the MP3 album.

- Press [ ] to select the preset album.

- Press [ ] to select the preset station.

- Note:
  - This system does not guarantee connection with all USB devices.
  - The system supports USB 2.0 full speed.
  - The system can support USB devices up to 32 GB.
  - The illumination will be replaced.
  - This system has a built-in function to protect all the USB devices.

Changing the repeat setting

- Press [PLAY MENU] repeatedly to select "PLAYMODE".

- Press [ ] on the unit to select "REPEAT".

- Continue with step 3.

- Press [ ] to select the repeat setting and then press [OK].
Using a microphone

Clock and timers

Setting the clock
This is a 24-hour clock.
1. Press [SETUP] to select “CLOCK”.
2. Press [A, T] to set the time and then press [OK].
3. Press [SETUP] to select “SLEEP” and then press [OK].
   • In standby mode, press [DISPLAY] to
   • 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”.
   • Formats the sleep timer is shown for a few seconds every minute.
   • Sleep timer does not work if you change the volume level.

Karaoké

Preparation
Select the music source.
• Do not connect cables at sharp angles.
• Make sure the microphone and cables are well supported.
• Sound distortion can occur when you use an adapter.
• If you want to connect equipment other than those described, refer to the audio dealer.

Using the microphone

1. Connect a microphone (not supplied) to the microphone jack, and decrease the volume of the microphone.
2. Plug type: Ø 6.3 mm monaural
3. To check the current setting, press [OK].
4. Press [SETUP] repeatedly to select “MIC EQ”.
   • “SINGING” or “SPEECH”
5. Press [SELECT <, >] to select the effect.
   • “OFF”, “L”, “R”, “L+R” (accompaniment only)
6. The setting is cancelled when you change to another source.
7. When using microphone sound not formatted for karaoke, it is recommended to use “VOCAL CANCEL” for most songs.

Using the optical input

You can connect a VCR, DVD player etc., and listen to the audio through this system.
1. Press [SETUP] repeatedly to select “AUX”.
2. Press [A, T] to select the mode and then press [OK].
3. Press [SELECT <, >] to select “DI-MODE” or “AUX MODE”.
4. Press [A, T] to select the mode and then press [OK].
   • MODE 1: Select the mode using the karaoke effect function.
   • MODE 2: Select the mode when watching TV, movies or an external audio player with a karaoke function.

External equipment

Preparation
• Do not connect cables at sharp angles.
• Make sure the microphone and cables are well supported.

Using the karaoke effect function

1. Press [SELECT <, >] to select “MIC VOL”.
2. Press [A, T] to set the volume and then press [OK].
3. Do step 2 again to set the end time.
4. Press [A, T] to select the source you want to play and then press [OK].

To change the speed of a song.
Press [KEY] repeatedly to select “SPEED”.
1. Press [SETUP] repeatedly to select “CLOCK”.
2. Press [A, T] to select the mode and then press [OK].
3. Press [A, T] to select “PLAY ADJ” and then press [OK].

When you do not use the microphone, disconnect it from the microphone jack, and decrease the volume of the microphone.

Using the receiver

1. Press [SELECT <, >] to select “MIC VOL”.
2. Press [A, T] to set the volume and then press [OK].

Using the speaker

1. Press [SETUP] repeatedly to select “BLUETOOTH STANDBY”.
2. Press [A, T] to select “ON” and then press [OK].

Note:
• This function will not work when you are in a radio source or when a Bluetooth device is connected.

Using the software

1. Press [SETUP] repeatedly to select “SW VER.” and then press [OK].

Note:
• Some devices may take longer to respond. If you are connected to a Bluetooth device before switching off the system, wait for a minimum of 5 seconds before disconnecting from your Bluetooth device again.

Software update

1. Press [SETUP] repeatedly to select “SW VER.” and then press [OK].

Note:
• This version is shown.

Specifications

General

Power supply: AC 220 V to 240 V, 50/60 Hz
Power consumption: 51 W
Power consumption in standby mode (approximate)
   • With “BLUETOOTH STANDBY” set to “OFF” 0.5 W
   • With “BLUETOOTH STANDBY” set to “ON” 0.6 W

Dimensions (W x H x D)
265 mm x 665 mm x 272 mm
Mass
8 kg

Operating temperature range
0°C to +40°C

Operating humidity range
20% to 80% RH (no condensation)

Amplifier section
RMS output power
Front L/R (2 x channel) 150 W per channel (4 Ω), 1 kHz, 1% THD Total RMS power 300 W
FM/AM output power 3300 mW

Tuner, terminals section
Frequency modulation (FM)
Preset memory
30 stations
Sampling frequency 87.50 MHz to 108.00 MHz (50 kHz step)
Antenna terminals 75Ω (unbalanced)

Digital audio input
Optical digital input
Optical terminal
Sampling frequency 32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Audio format PCM

Audio analog input
Audio input
Pin jack (1 system)

Microphone
Terminal Mono, 6.3 mm jack (2 system)

Others

Auto off
This function automatically switches off when you do not use it for approximately 20 minutes.

Software update
Occasionally, Panasonic may release updated software for the unit that may add or improve the unit’s feature operation. These updates are available free of charge. For more details, refer to the following website.
http://panasonic.jp/support/global/cs/details, refer to the following website.

Blue-tooth® handsfree
This function automatically switches on when you stop the system operation.

Version
Bluetooh: Ver. 2.1 + EDR

USB section
USB port
USB standard
Media file format support
MP3 (32-320 kbps)
FAT12, FAT16, FAT32

Supported profiles
A2DP (HSP, HFP)
Supported frequency band
2.4 GHz band (IEEE 802.11b)
Operating frequency
2.402 MHz to 2.480 MHz

Minimum power (DBP)
4 dBm
Operating distance
10 m line-of-sight

Support code
SBC

Speaker section
Stereo (left, right)
Weather 13 cm cone type 2 pieces
Tower 4 cm cone type 4 pieces