

Panasonic[®]

Operating Instructions
CD Stereo System

Model No. **SC-AKX18**



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



PH PN

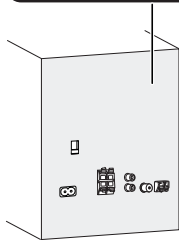
RQT9894-M

Confidential
Until: 1 Jan 2014

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


Your system and the illustrations can look differently. These operating instructions are applicable to the following system.

System	SC-AKX18
Main unit	SA-AKX18
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.

For South America
CAUTION!
 Set the voltage selector to the AC voltage in your area (→ "Making the connections"). If not, the system can be damaged or cannot operate correctly.

FCC Note:
 This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 (1) This device may not cause harmful interference, and
 (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:
 Panasonic Corporation of North America
 Two Riverfront Plaza, Newark, NJ 07102-5490
 Support Contact Telephone No.: 1-800-211-PANA (7262)

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MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

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.
- Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration.
- This unit is intended for use in moderate climates.
- The mains plug is the disconnecting device. Install this unit so that the mains plug can be unplugged from the socket outlet immediately.
- 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.

Battery

- Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
- When disposing the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.
- 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.

Table of contents

Safety precautions	3
Customer Service	3
Supplied accessories	4
About Bluetooth®	4
Preparing the remote control	4
Placement of speakers	4
Making the connections	5
Overview of controls	6
Disc	7
Bluetooth®	7
Radio	8
USB	9
Recording	10
Sound effects	11
Clock and timers	12
Auto off	13
Software version	13
External equipment	13
Troubleshooting	14
Maintenance	15
Specifications	15

Customer Service

Customer Service Directory

Obtain information products and operative assistant; localize the closer distributor or Service Center; buy spare parts and accessories by our web site to Latin American:

<http://www.lar.panasonic.com>

Also you may contact us directly by our Contact Center:

Panama	800-PANA (800-7262)
Colombia	01-8000-94PANA (01-8000-947262)
Ecuador	1800-PANASONIC (1800-726276)
Costa Rica	800-PANA737 (800-7262737)
El Salvador	800-PANA (800-7262)
Guatemala	1-801-811-PANA (1-801-811-7262)
Chile	800-390-602 From a cell phone: 797-5000
Venezuela	800-PANA-800 (800-7262-800)
Uruguay	0-800-PANA (0-800-7262)
Peru	0-800-00-PAN (0-800-00726)
Argentina	0800-333-PANA (0800-333-7262) 0810-321-PANA (0810-321-7262)
Paraguay	0800-11-PANA (0800-11-7262)
Dominican Republic	809-200-8000

Supplied accessories

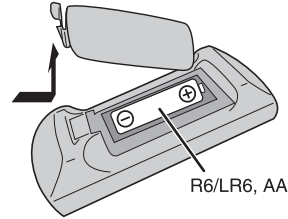
Check and identify the supplied accessories.

- 1 AC power supply cord
- 1 AM loop antenna
- 1 FM indoor antenna



- 1 Remote control battery
- 1 Remote control (N2QAYB000944)
- For South America**
1 Power plug adapter

Preparing the remote control



Use alkaline or manganese battery.

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

About Bluetooth®

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.).

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.

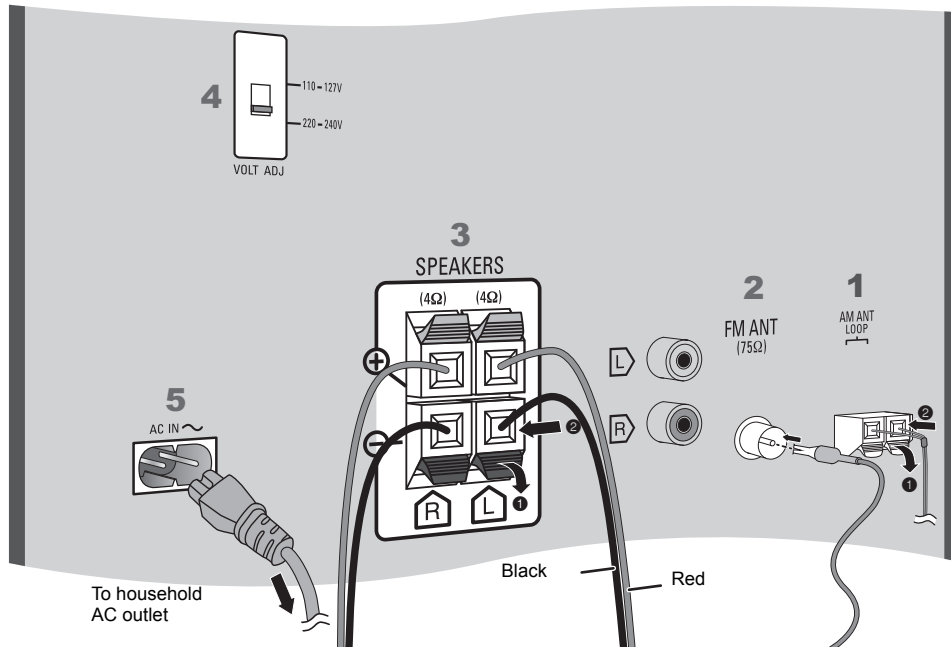
CAUTION!

- 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.

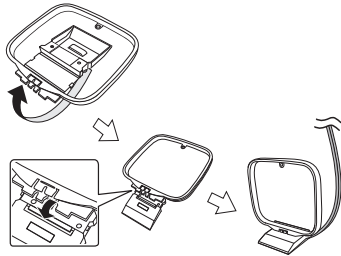
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Making the connections

Connect the AC power supply cord only after all the other connections have been made. The illustrations shown are of the model for South America. Your unit may differ in appearance.

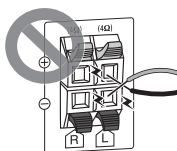


- 1 Connect the AM loop antenna.**
Stand the antenna up on its base until it clicks.



- 2 Connect the FM indoor antenna.**
Place the antenna where reception is best.

- 3 Connect the speakers.**
Connect the speaker cables to the terminals of the same color.



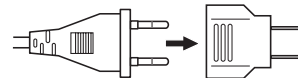
Be careful not to cross (short-circuit) or reverse the polarity of the speaker wires as doing so may damage the speakers.

- 4 For South America Set the voltage.**
Use a flat-head screwdriver to set the voltage selector to the AC voltage in your area.

- 5 Connect the AC power supply cord.**

For South America

If the power plug does not fit your socket, use the power plug adapter.



Do not use an AC power supply cord from other equipment.

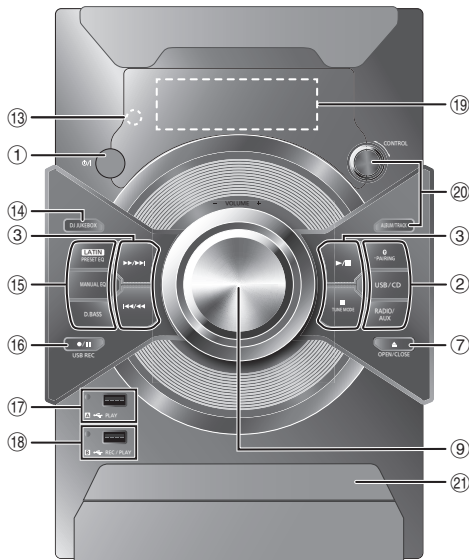
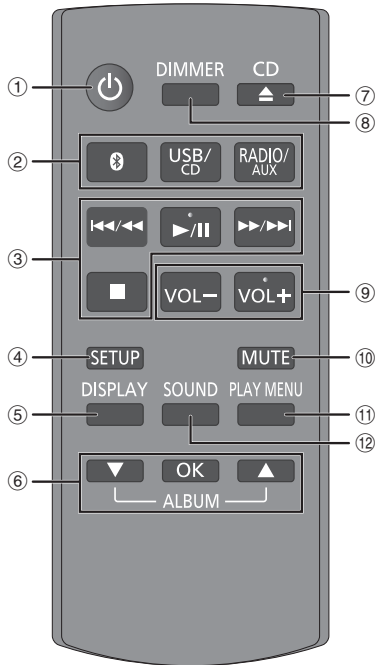
Conserving power

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.

RQT9894

5

Overview of controls



- ① **Standby/on switch** [⏻], [⏻/⏹]
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
- ② Select the audio source
- ③ Basic playback control
- ④ View the setup menu
- ⑤ View the content information
- ⑥ Select and confirm the option
- ⑦ Open or close the disc tray
- ⑧ **Decrease the brightness of the display panel**
Press and hold the button to use this function. To cancel, press and hold the button again.
- ⑨ Adjust the volume of the system
- ⑩ **Mute the sound of the system**
Press the button again to cancel. "MUTE" is also canceled when you adjust the volume or when you switch off the system.
- ⑪ View the play menu
- ⑫ View the sound menu
- ⑬ **Remote control sensor**
Distance: Within approximately 7 m
Angle: Approximately 20° up and down, 30° left and right
- ⑭ Select the DJ effects
- ⑮ Select the sound effects
- ⑯ Recording operation control
- ⑰ **USB A**
USB port (↔)
USB status indicator
Play MP3 tracks
Record MP3 tracks to **USB B**
- ⑱ **USB B**
USB port (↔)
USB status indicator
Record sound or music tracks
Play MP3 tracks
- ⑲ Display panel
- ⑳ **Browse track or albums**
(CD)
Turn [CONTROL] to browse the track.
Press [▶/⏸] to start playback from the selection.
(MP3)
Press [ALBUM/TRACK] to select album or track and then turn [CONTROL] to browse.
Press [▶/⏸] to start playback from the selection.
- ㉑ Disc tray

RQT 9894

6

Disc

Playing disc

- 1 Press **[▲ OPEN/CLOSE]** on the main unit to open the disc tray.
Put in a disc with the label facing up.
Press **[▲ OPEN/CLOSE]** again to close the disc tray.
- 2 Press **[USB/CD]** to select "CD" and then press **[▶/||]** to start playback.

Stop playback	Press [■] .
Pause playback	Press [▶/] . Press again to continue playback.
Skip album <small>(MP3)</small>	Press [▲, ▼] .
Skip track	Press [◀◀/▶▶] or [▶▶/▶▶] .
Search through track	Press and hold [◀◀/▶▶] or [▶▶/▶▶] .

Viewing available information

You can view the available information on the display panel.

Press **[DISPLAY]**.

Note:


- Maximum characters that can be shown: approximately 32
- This system supports ver. 1.0 and 1.1 ID3 tags.
- Text data that the system does not support can show differently.

Play menu

- 1 Press **[PLAY MENU]** to select "PLAYMODE" or "REPEAT".
- 2 Press **[▲, ▼]** and then press **[OK]** to select the desired mode.

PLAYMODE	
OFF PLAYMODE	Play all tracks.
1-TRACK 1TR	Play one selected track on the disc. Press the numeric buttons to select the track.
1-ALBUM 1ALBUM <small>(MP3)</small>	Play one selected album on the disc. Press [▲, ▼] to select the album.
RANDOM RND	Play a disc randomly.
1-ALBUM RANDOM 1ALBUM RND <small>(MP3)</small>	Play all tracks in one selected album randomly. Press [▲, ▼] to select the album.

REPEAT

ON REPEAT 	Repeat playback.
OFF REPEAT	Cancel repeat playback.

Note:

The setting returns to the default "OFF PLAYMODE" when you open the disc tray.

Note on disc

- This system can play CD-R/RW with CD-DA or MP3 format content.
- Some CD-R/RW cannot be played because of the condition of the recording.
- MP3 files are defined as tracks and folders are defined as albums.
- This system can access up to:
 - CD-DA: 99 tracks
 - MP3: 999 tracks, 255 albums and 20 sessions
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).
- Recordings will not necessarily be played in the order you recorded them.

Bluetooth®

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

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

Preparation

Switch on the Bluetooth® feature of the device and put the device near the system.

Pairing a device

- 1 Press **[0]** to select "BLUETOOTH".
If "PAIRING" is shown, continue with step 3.
- 2 Press and hold **[0]** until "PAIRING" is shown.
- 3 Select "SC-AKX18" 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.

Note:

- A device must be paired to connect.
- 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 paired device

Preparation

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

- 1 Press [0] to enter Bluetooth® mode.
"BLUETOOTH READY" is shown.
- 2 Select "SC-AKX18" from the Bluetooth® menu of the device.
The name of the connected device is shown.

Note:

- 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.

Disconnecting a device

- 1 Press [PLAY MENU] to select "DISCONNECT?".
- 2 Press [▲, ▼] to select "OK? YES" and then press [OK].

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.

Link mode

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

Preparation

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

- 1 Press [PLAY MENU] to select "LINK MODE".
- 2 Press [▲, ▼] to select "MODE 1" or "MODE 2" and then press [OK].

MODE 1	Emphasis on connectivity.
MODE 2	Emphasis on sound quality.

Note:

The default setting is "MODE 2".

Standby mode

This function allows you to switch on and connect to the system from a paired device.

- 1 Press [SETUP] to select "BLUETOOTH STANDBY".
"BLUETOOTH READY" is shown.
- 2 Press [▲, ▼] to select "ON".
When Bluetooth® standby mode is set to "ON", the system will switch on automatically when you establish a Bluetooth® connection from the paired device.

Radio

Manual tuning

- 1 Press [RADIO/AUX] to select "FM" or "AM".
- 2 Press [PLAY MENU] to select "TUNE MODE".
- 3 Press [▲, ▼] to select "MANUAL" and then press [OK].
- 4 Press [◀◀/▶▶] or [▶▶/▶▶] to select the frequency of the required station.

Using the main unit

- 1 Press [RADIO/AUX] to select "FM" or "AM".
- 2 Press [TUNE MODE] to select "MANUAL".
- 3 Press [◀◀/▶▶] or [▶▶/▶▶] to select the frequency of the required station.

Improving the sound quality

When "FM" is selected

- 1 Press [PLAY MENU] to select "FM MODE".
- 2 Press [▲, ▼] to select "MONO" and then press [OK].
To cancel, select "STEREO".
"MONO" is also canceled when you change the frequency.

Memory presetting

30 FM and 15 AM stations can be preset.

Automatic presetting

- 1 Press [PLAY MENU] to select "AUTO PRESET".
- 2 Press [▲, ▼] to select "LOWEST" or "CURRENT" and then press [OK] to start presetting. To cancel, press [■].

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

Manual presetting

Preparation

Tune in to the desired station (→ "Manual tuning").

- 1 Press [OK] and then press [▲, ▼] to select desired preset channel.
- 2 Press [OK] to confirm.

Selecting a preset station

- 1 Press [PLAY MENU] to select "TUNE MODE".
- 2 Press [▲, ▼] to select "PRESET" and then press [OK].
- 3 Press [◀◀/▶▶] 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/FM allocation setting

By main unit only

For South America

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

For Central America and the Caribbean

This system can also receive FM broadcasts allocated in 0.2 MHz 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.

USB

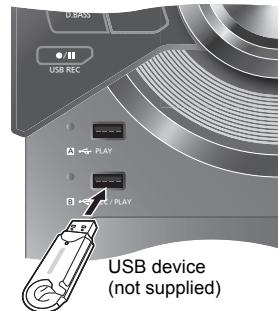
You can connect and play music tracks from your USB device.

Connecting a USB device

Preparation

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

Do not use a USB extension cable. The system cannot recognize USB device connected through a cable.



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

Hold the main unit when connecting or disconnecting the USB device.

Basic playback

- 1 Press [USB/CD] to select "USB".
- 2 Press [▶/||] to start playback.

Stop playback	Press [■]. "RESUME" is shown. Press [▶/] to continue playback. OR Press [■] two times to stop the playback fully.
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For other operations, refer to "Disc".

Compatible USB devices which are defined as mass storage class:

- USB devices that support bulk-only transfer.
- USB devices that support USB 2.0 full speed.

Note:

- Files are defined as tracks and folders are defined as albums.
- Track must have the extension ".mp3" or ".MP3".
- This system can access up to:
 - 255 albums (including root folder)
 - 2500 tracks
 - 999 tracks in one album
- CBI (Control/Bulk/Interrupt) is not supported.
- NTFS file system is not supported (only FAT 12/16/32 file system is supported).
- Some files can fail to work because of the sector size.

Viewing available information

You can view the available information on the display panel.

Press [DISPLAY].

In the stop mode	Available storage space or remaining recording time of USB device.
During recording	Information that is related to recording.
During playback or pause	Information of the current track.

Recording

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.
- Repeat playback mode is off during recording.
- A new album is added each time you do a recording.
- The sequence of album can change after the recording.
- The recordings are kept in a folder named “REC_DATA” in the USB device.

USB A	<ul style="list-style-type: none"> • Play MP3 tracks. • Record MP3 tracks to USB B.
USB B	<ul style="list-style-type: none"> • Record sound or music tracks. • Play MP3 tracks. <p>Note: USB status indicator blinks in red during USB recording.</p>

Basic recording

1 Select the source you want to record.

(CD)

Prepare the disc playback mode.

Record all tracks	Select “OFF PLAYMODE” (⇒ “Play menu”).
Record a single track	Select “1-TRACK” (⇒ “Play menu”).

Make sure the disc is stopped.

Bluetooth®

Connect and play the Bluetooth® device (⇒ “Bluetooth®”).

Radio

Tune in to the radio station.

External equipment

Connect and play the equipment (⇒ “External equipment”).

10 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 the radio, Bluetooth® or AUX (except in SYNCHRO mode). A track mark is added every time you pause (⇒ “Adding track marks”).

Note:

- Wait for a few seconds for the system to prepare the USB device before you start recording.
- USB recording indicator blinks during USB recording.

(CD)

- When the next track is being recorded, it will be shown on the display.

Recording MP3 tracks

(MP3)

You can record MP3 tracks from a disc to a USB device.

1 Prepare the source you want to record.

Record all tracks	Select “OFF PLAYMODE” (⇒ “Play menu”).
Record programmed tracks	Program the tracks you want (⇒ “Program playback”).
Record specified album or track	Select “1-ALBUM” or “1-TRACK” (⇒ “Play menu”).

2 Press [USB REC ●/II] to start recording.

Example: Recording an album from a disc to a USB device.



Album being recorded Percentage of the recording process

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.
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Note:

- Some tracks can use a longer time to record.
- Some tracks cannot be recorded because of the condition of the source.
- The recorded folder name may be different from the original folder because of the auto rename function.

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Advanced recording functions

■ High-speed recording

- 1 Put in the disc you want to record.
- 2 Press [SETUP] to select "REC MODE".
- 3 Press [▲, ▼] to select "NORMAL" or "Hi-SPEED".
- 4 Press [USB REC ●/III] to start recording.

 **Recording speed:**

CD: Three times (3x) the normal speed.
 CD-RW: Two times (2x) the normal speed.

Note:

- If you cannot record at high-speed because of the condition of the disc, record the CD at normal speed.
- The sound is muted during high-speed recording.

■ Adding track marks

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

Before recording

- 1 Press [SETUP] to select "REC MODE".
- 2 Press [▲, ▼] to select the desired setting.

MANUAL	Add a track mark manually. Press [OK] during recording to add a track mark.
SYNCHRO (For AUX 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 the recorded tracks


- 1 Press [SETUP] to select "EDIT MODE".
- 2 Press [▲, ▼] to select the desired mode.

TRACK DEL	Delete a single track.
ALBUM DEL	Delete one album (maximum 999 tracks).
FORMAT/ALL DEL	Format the USB device. Delete all albums in the internal memory.

- 3 Press [OK].
The selected item to be deleted is shown.
- 4 Press [OK].
"SURE?NO" is shown.
- 5 Press [▲, ▼] to select "YES" or "NO" and then press [OK].
Select "YES" to confirm the deletion. "WRITING" is shown.

Sound effects

- 1 Press [SOUND] to select sound setting.
- 2 Press [▲, ▼] to change sound setting.

PRESET EQ	HEAVY SOFT CLEAR VOCAL FLAT
BASS MID TREBLE	Adjust the level (-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	OFF SURROUND ON SURROUND
INPUT LEVEL (For AUX source)	NORMAL HIGH Note: Select "NORMAL" if the sound is distorted during "HIGH" input level.
RE-MASTER 	ON REMASTER OFF REMASTER
D.BASS	OFF D.BASS ON D.BASS

DJ effect

By main unit only

You can use the DJ effect to adjust the sound.

- 1 Press [DJ JUKEBOX] to select "A" or "B".

A	Plays the selected playlist from the smartphone app.
B	Plays songs randomly from selected source.

- 2 Press [▶/||] to start playback.

Note:

When recording, the DJ effect is canceled.

Clock and timers

Setting the clock

For South America

This is a 24-hour clock.

For Central America and the Caribbean

This is a 12-hour clock.

To check current time

- Press [DISPLAY] when the system is in standby mode.
- Press [SETUP] to select "CLOCK" when the system is switched on.

- 1 Press [SETUP] to select "CLOCK".
Current time is shown.
- 2 Within 10 seconds, press [OK] and then [▲, ▼] to set the time.
- 3 Press [OK].

Note:

Reset the clock regularly to maintain accuracy.

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.

To set the play timer

- 1 Press [SETUP] to select "TIMER ADJ".
- 2 Press [▲, ▼] to select "⊙PLAY" and then press [OK].
- 3 Press [▲, ▼] to set start time and the press [OK].
- 4 Do steps 2 and 3 again to set the end time.
- 5 Press [▲, ▼] to select the source you want to play and then press [OK].
- 6 Press [▲, ▼] to set the volume.

To set the record timer

- 1 Press [SETUP] to select "TIMER ADJ".
- 2 Press [▲, ▼] to select "⊙REC" and then press [OK].
- 3 Press [▲, ▼] to set start time and the press [OK].
- 4 Do steps 2 and 3 again to set the end time.
- 5 Press [▲, ▼] to select the source you want to 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 (for USB recording) and tune to the radio station or select the external equipment.

- 2 Press [SETUP] to select "TIMER SET".
- 3 Press [▲, ▼] to set the timer.

When only play timer is set.	PLAY ON PLAY OFF
When only record timer is set.	REC ON REC OFF
When both play and record timers are set.	PLAY ON REC OFF REC ON PLAY OFF REC OFF PLAY OFF

Play timer: "⊙" is shown.

Record timer: "⊙" is shown and the USB recording indicator lights up.

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

■ To check the settings

1 Press [DISPLAY] when the system is switched off.

Current time is shown.

2 Within 5 seconds, press [DISPLAY] again.

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.

Sleep timer

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

1 Press [SETUP] to select "SLEEP".

2 Press [▲, ▼] to select the setting (in minutes).

To cancel, select "OFF".

30MIN → 60MIN → 90MIN → 120MIN → OFF

Auto off

The system automatically switches off if there is no audio input and when you do not use it for 30 minutes.

1 Press [SETUP] to select "AUTO OFF".

2 Press [▲, ▼] to select "ON" or "OFF".

Software version

You can check the software version of the system.

1 Press [SETUP] to select "SW VER".

Current software version is shown.

2 Press [OK] to exit.

External equipment

Preparation

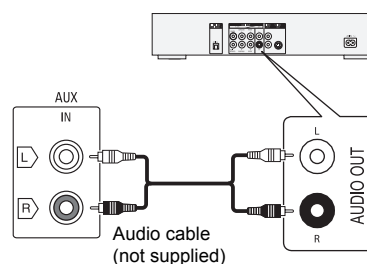
- Disconnect the AC power supply cord.
- Switch off all equipment and read the appropriate operating instructions.

Note:

Components and cables are sold separately.

Using the auxiliary input

You can connect a VCR, DVD player etc. and listen to the audio through this system.



1 Connect the external equipment.

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

3 Play the external equipment.

Note:

- If you want to connect equipment other than those described, refer to the audio dealer.
- Sound distortion can occur when you use an adapter.

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 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.

Sound is distorted or no sound.

- Adjust the volume of the system.
- Switch off the system, determine and correct the cause, then switch the system 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.

A humming sound can be heard during playback.

- An AC power supply cord or fluorescent light is near the cables. Keep other appliances and cords away from the cables of this system.

■ Disc

Display not shown correctly.

Playback does not start.

- You have not put in the disc correctly. Put it in correctly.
- 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.

The total number of tracks displayed 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.
- You put in a disc that has not been finalized.

■ 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.
- The pairing of the device has been replaced. Do pairing again.
- This system might be connected to a different device. Disconnect the other device and try pairing the device 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-AKX18" 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.

■ Radio

Sound is distorted.

- Use an optional FM outdoor antenna. The antenna should be installed by a competent technician.

A beat sound is heard.

- Switch off the TV or move it away from the system.

A low hum is heard during AM broadcasts.

- Move the antenna away from other cables and cords.

■ USB

The USB device or the contents in it cannot be read.

- The format of the USB device or the contents in it is/are not compatible with the system.
- USB devices with storage capacity of more than 32 GB cannot work in some conditions.

Slow operation of the USB device.

- Large content size or large memory USB device takes longer time to read.

■ Main unit displays

"AC LOW"

- The household AC power supply is fluctuating. The sound level of the system will reduce gradually to protect the system.

"ERROR"

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

"F61"

- Examine and correct the speaker cords connection.
- Disconnect the USB device. Switch off the system and then switch it on again.

"NODEVICE"

- The USB device is not connected. Examine the connection.

"NO PLAY"

"UNSUPPORT"

- Examine the content. You can only play supported format.
- The files in the USB device can be corrupted. Format the USB device and try again.

"NOT MP3 → ERROR"

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

"PLAYERROR"

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

“REMOTE 1” “REMOTE 2”

- The remote control and the main unit are using different codes. Change the code of the remote control.
 - When “REMOTE 1” is shown, press and hold [OK] and [RADIO/AUX] for a minimum of 4 seconds.
 - When “REMOTE 2” is shown, press and hold [OK] and [USB/CD] 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.

“VBR-”

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

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 [USB/CD] to select “CD”.

■ To set the code to “REMOTE 2”

- Press and hold [USB/CD] on the main unit and [RADIO/AUX] on the remote control until “REMOTE 2” is shown.
- Press and hold [OK] and [USB/CD] for a minimum of 4 seconds.

■ To set the code to “REMOTE 1”

- Press and hold [USB/CD] on the main unit and [USB/CD] on the remote control until “REMOTE 1” is shown.
- Press and hold [OK] and [RADIO/AUX] for a minimum of 4 seconds.

System memory reset (initialization)

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.

- Disconnect the AC power supply cord.**
- While you press and hold [⏻] on the main unit, connect the AC power supply cord again.** Continue to press and hold the button (approximately 10 seconds) until “-----” is shown.
- Release [⏻].** All the settings are set back to the factory preset. It is necessary to set the memory items again.

Maintenance

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

Specifications

Amplifier section

RMS output power stereo mode

Front Ch (both ch driven)	175 W per channel (4 Ω), 1 kHz, 30% THD
Total RMS stereo mode power	350 W (30% THD)

Tuner, terminals section

Preset memory	FM 30 stations AM 15 stations
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Frequency modulation (FM)

Frequency range	87.50 MHz to 108.00 MHz (50 kHz step)
For South America	87.5 MHz to 108.0 MHz (100 kHz step)
For Central America and the Caribbean	87.9 MHz to 107.9 MHz (200 kHz step)
Antenna terminals	75 Ω (unbalanced)

Amplitude modulation (AM)

Frequency range	522 kHz to 1629 kHz (9 kHz step)
For South America	520 kHz to 1630 kHz (10 kHz step)
For Central America and the Caribbean	520 kHz to 1710 kHz (10 kHz step)

AUX input	Pin jack
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Disc section

Disc played (8 cm or 12 cm)	CD, CD-R/RW (CD-DA, MP3*)
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Pick up	Wavelength	790 nm (CD)
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Audio output (disc)	Number of channels	2 ch (FL, FR)
	FL = Front left channel	
	FR = Front right channel	

* MPEG-1 Layer 3

Bluetooth® section

Bluetooth® system specification	Version 2.1
Wireless equipment classification	Class 2
Supported profiles	A2DP, AVRCP, SPP
Operating frequency	2402 MHz to 2480 MHz
Operation distance	10 m line of sight

RQT9894

USB section

USB port

USB standard	USB 2.0 full speed
Media file format support	MP3 (*.mp3)
USB device file system	FAT12, FAT16, FAT32
USB port power	500 mA (max)
Bit rate	16 kbps to 320 kbps (playback)

USB recording

Bit rate	128 kbps
USB recording speed	1x, 3x max (CD only)
Recording file format	MP3 (*.mp3)

Speaker section

Type 2 way, 2 speaker system (bass reflex)

Speaker unit(s)

Woofer	16 cm cone type
Tweeter	6 cm cone type

Impedance 4 Ω

Output sound pressure 86 dB/W (1 m)

Frequency range 45 Hz to 22 kHz (-16 dB)
50 Hz to 20 kHz (-10 dB)

Dimensions (W x H x D) 200 mm x 334 mm x 193 mm

Mass 2.5 kg

General

Power supply

For South America
AC 110 V to 127 V/220 V to 240 V, 50/60 Hz

For Central America and the Caribbean
AC 120 V, 60 Hz

Power consumption 50 W

Dimensions (W x H x D) 230 mm x 335 mm x 243 mm

Mass 2.7 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)
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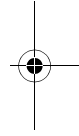
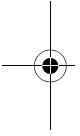
Note:

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

safety application draft



akx18ph_rqt9894-m_en Page 1 Monday, October 21, 2013 8:59 AM



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