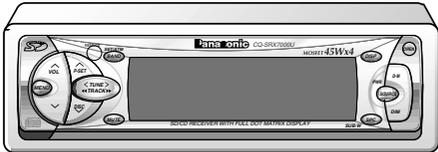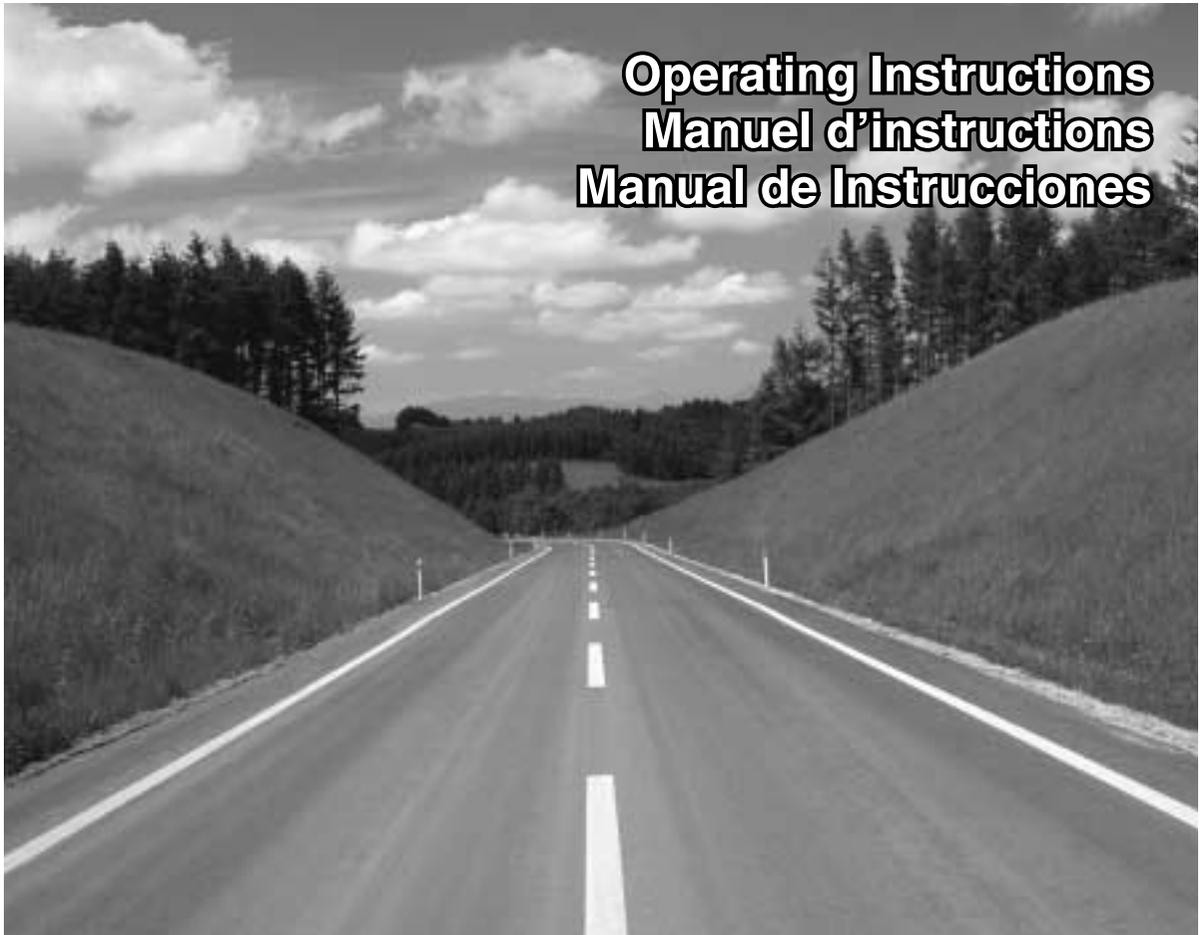# Panasonic®

SD/CD Player/Receiver with Dot Matrix LCD and CD Changer Control
Lecteur SD - CD - récepteur avec affichage à cristaux liquides à matrice de points et commande de changeur CD
Reproductor de CD/SD/receptor con visualizador de matriz de puntos y control de cambiador de CD

CQ-SRX7000U

Operating Instructions
Manuel d'instructions
Manual de Instrucciones

COMPACT
disc
DIGITAL AUDIO
TEXT

SD

- Please read these instructions carefully before using this product and save this manual for future use.
- Prière de lire ces instructions attentivement avant d'utiliser le produit et garder ce manuel pour l'utilisation ultérieure.
- Lea con atención estas instrucciones antes de utilizar el producto y guarde este manual para poderlo consultar en el futuro.

Safety Information

Radio Frequency Interference Statement (Part 15 of the FCC Rules) :
Applies only in U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital, pursuant to Part 15 of the FCC Rules.

● These limits are designed to provide reasonable protection against harmful interference in an automobile 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 consult the dealer or an experience radio technician for help.

FCC Warning:
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.

For Canada:
This Class B digital apparatus complies with Canadian ICES-003.

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION:
THIS PRODUCT IS A CLASS I LASER PRODUCT.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Laser products:
Wave length: 780 nm
Laser power: No hazardous radiation is emitted with safety protection.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE ONLY THE INCLUDED COMPONENTS.

Label Indication and Location

Panasonic
Model No. **CQ-SRX7000U**
N° De Modèle

1 2 V   4Ω   10 A   FM75Ω

Manufactured by Matsushita Communication Industrial Co., Ltd.
Yokohama Japan   Made in Japan

Serial No.
N° De Série

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

Find the model number and serial number on either the back or bottom of the unit. Please record them in the space below and retain this booklet as a permanent record of your purchase to help with identification in case of theft.

MODEL NUMBER   **CQ-SRX7000U**

SERIAL NUMBER

DATE PURCHASED

FROM

Consignes de sécurité

Información para seguridad

MISE EN GARDE:
POUR RÉDUIRE LES RISQUES D'INCENDIE OU D'ÉLECTROCUTION, N'EXPOSEZ PAS CET APPAREIL À LA PLUIE OU À L'HUMIDITÉ.

ADVERTENCIA:
PARA REDUCIR EL RIESGO DE INCENDIOS O SACUDIDAS ELÉCTRICAS, NO EXPONGA ESTE PRODUCTO A LA LLUVIA NI A LA HUMEDAD.

ATTENTION:
CET APPAREIL EST UN PRODUIT LASER DE CLASSE 1.
L'UTILISATION DE COMMANDES OU RÉGLAGES OU L'EXÉCUTION D'OPÉRATIONS AUTRES QUE CELLES QUI SONT INDIQUÉES DANS CE DOCUMENT PEUVENT RÉSULTER EN UNE EXPOSITION À UN RAYONNEMENT DANGEREUX.
N'OUVREZ PAS LES COUVERCLES ET N'ESSAYEZ PAS D'EFFECTUER VOUS-MÊME DES RÉPARATIONS. ADRESSEZ-VOUS À UN PERSONNEL QUALIFIÉ POUR TOUTE RÉPARATION.

PRECAUCIÓN:
ÉSTE ES UN PRODUCTO LÁSER DE LA CLASE 1.
LA UTILIZACIÓN DE CONTROLES, EL HACER AJUSETES O EL SEGUIR PROCEDIMIENTOS DISTINTOS DE LOS ESPECIFICADOS EN ESTE MANUAL PODRÍA CAUSAR UNA EXPOSICIÓN PELIGROSA A LA RADIACIÓN.
NO ABRA LAS CUBIERTAS NI HAGA REPARACIONES USTED MISMO. SOLICITE LOS TRABAJOS DE SERVICIO AL PERSONAL CALIFICADO.

Produits laser:
Longueur d'onde: 780 nm
Puissance du laser: Aucune radiation dangereuse n'est émise avec la protection de sécurité.

Productos láser:
Longitud de onda: 780 nm
Potencia láser: Con protección de seguridad no se emite radiación peligrosa.

AFIN DE PRÉVENIR TOUT RISQUE D'INCENDIE OU D'INTERFÉRENCES, UTILISER UNIQUEMENT LES COMPOSANTS FOURNIS.

PARA REDUCIR RIESGO DE INCENDIOS O SACUDIDAS ELÉCTRICAS, Y PARA EVITAR LAS INTERFERENCIAS MOLESTAS, UTILICE SOLAMENTE LOS COMPONENTES INCLUIDOS.

Déclaration d'interférence de fréquences radio (Partie 15 des Règlements FCC):
Cet appareil numérique de Classe B est conforme au règlement ICES-003 canadien.

Il est recommandé de noter, dans l'espace prévu cidessous, les numéros de modèle et de série inscrits soit à l'arrière soit sons le fond de l'appareil, et de conserver ce manuel comme mémorandum de l'achat afin de permettre l'identification de l'appareil en cas de vol.

NUMÉRO DE MODÈLE **CQ-SRX7000U**

NUMÉRO DE SÉRIE

DATE DE L'ACHAT

VENDEUR

Busque el número del modelo y el número de serie ya sea en la parte trasera o en el fondo de la unidad. Sírvase anotar dichos números en el espacio siguiente, y mantenga este librete como una anotación permanente de su compra para ayudar en la identificación en el caso de robo.

NÚMERO DEL MODELO **CQ-SRX7000U**

NÚMERO DE SERIE

FACHA DE COMPRA

NOMBRE DE LA TIENDA

CQ-SRX7000U

Panasonic welcomes you to our ever growing family of electronic product owners. We know that this product will bring you many hours of enjoyment. Our reputation is built on precise electronic and mechanical engineering, manufactured with carefully selected components and assembled by people who take pride in their work. Once you discover the quality, reliability, and value we have built into this product, you too will be proud to be a member of our family.

❏ Use This Product Safely

When Driving
Keep the volume level low enough to be aware of road and traffic conditions.

When Car Washing
Do not expose the product, including the speakers, CDs and SD Memory Card to water or excessive moisture. This could cause electrical shorts, fire, or other damage.

When Parked
Parking in direct sunlight can produce very high temperatures inside your vehicle. Give the interior a chance to cool down before switching the unit on.

Use the Proper Power Supply
This product is designed to operate with a 12 volt, negative ground battery system (the normal system in a North American car.)

Disc Mechanism
Do not insert coins or any small objects. Keep screwdrivers and other metallic objects away from the disc mechanism and disc.
Never load an SD Memory Card into the CD slot. Otherwise the main unit or the SD Memory Card might be damaged.

Use Authorized Servicenters
Do not attempt to disassemble or adjust this precision product. Please refer to the Servicenter list included with this product for service assistance.

For Installation
The product should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30˚.

❏ Components

- Operating instructions. 1
- Installation hardware . . . . 1 set (➡ page 40)
- Power Connector 1
- Remote control unit 1
- Lithium battery (CR2025) 1
- Warranty card 1

❏ Before Reading These Instructions

You can operate this unit by pressing buttons on the main unit and the remote control.

These instructions describe buttons that are concerned with operations as follows.
Example) Press **[P•SET △]** or **[P•SET ▽]** / **[△]** or **[▽]**.
　　　　　　　(buttons on the main unit / buttons on the remote control)

Some operations can be activated by pressing buttons only on the main unit or only on the remote control. Those cases are described in the instructions.
Example) Press **[SPC]** on the main unit to change the sound space.

Contents

CQ-SRX7000U

5

Features

This 1-DIN system is equipped with a CD player, SD player, FM/AM tuner, CD changer controller and high power amplifier with high tone 45 W x 4 channels.

The SD player in this system can play only an SD Memory Card whose music data are compressed in AAC or MP3 method.
An optional software, "RealJukebox for Panasonic" is required in recording or editing operation for SD Memory Cards. Refer to page 38 for more information.

Full-dot colorful expressiveness <3D dot matrix display>

You can select an operation quickly because operation items are shown on the display. You can also enjoy variety of actions and direction.

Various sound control functions

● Space function of 7-mode DSP (➡ page 30), Equalizer: HEQ (Human Equalizer) and GEQ (Graphic Equalizer) (➡ page 24).
● Super bass sound: DDBC (Digital Dynamic Bass Control) (➡ page 32), SDBB (Super Dynamic Bass Boost) (➡ page 26).
● CD changer control (➡ page 22).

Anti-theft removable face

You can remove the panel when you leave your car (➡ page 45)

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Remote Control Preparation

Battery Installation

1. Remove the battery holder.
   Take hold of the holder at position B and pull it out by pushing position A in the direction shown by the arrow.
2. Install the battery on the battery holder.
   Set a new battery properly with its (+) side facing up as shown in the figure.
3. Insert the battery holder.
   Push the battery holder back into its original position.

(Back side)

Lithium battery

Position B

Position A

Battery holder
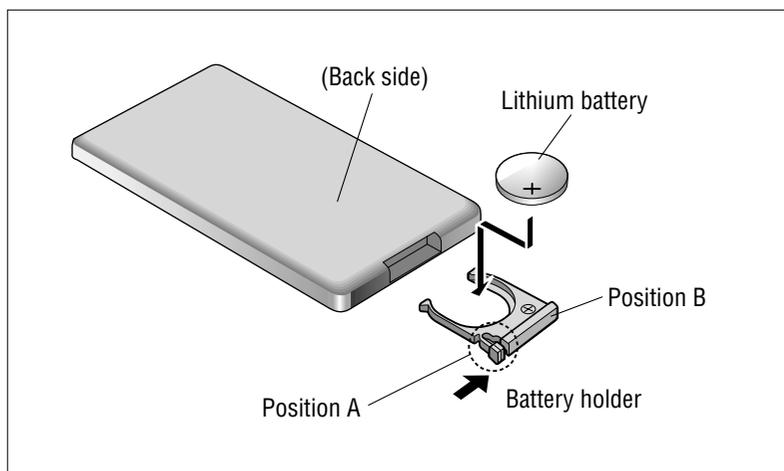
Battery Notes

Remove and dispose of an old battery immediately.
Battery Information:
● Battery Type: Panasonic lithium battery (CR2025)
● Battery Life: Approximately 6 months under normal use (at room temperature)

Caution: Improper use of batteries may cause overheating, an explosion or ignition, resulting in injury or a fire. Battery leakage may damage the unit.

● Do not disassemble or short the battery. Do not throw a battery into a fire.
● Keep batteries away from children to avoid the risk of accidents.
● Be careful to the disposal rules when you dispose of batteries.

Point the remote control unit at the main unit's sensor (REMOTE).

CQ-SRX7000U

General

[VOL∧] [VOL∨] (Volume) **[DISP]** (Display) —————— **[DIM]** (Dimmer)
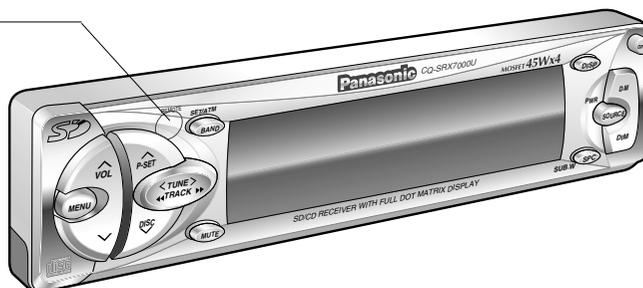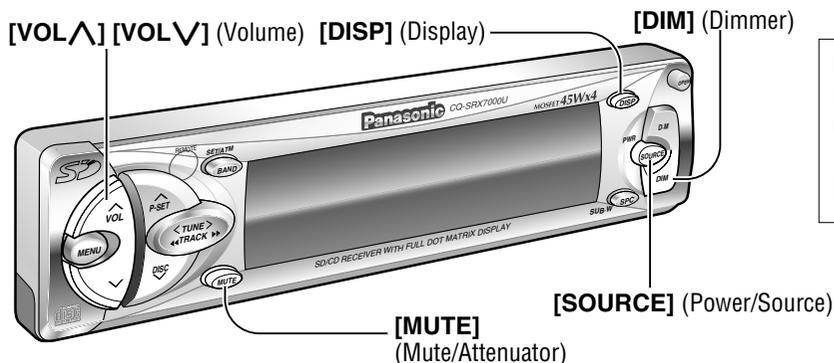
Note : When you use this unit for the first time, a demonstration message appears on the display. **To cancel this display, press [DISP]**.

[SOURCE] (Power/Source)

[MUTE] (Mute/Attenuator)

Turn the key in the ignition until the accessory indicator lights.

Power

ON : Press **[SOURCE]**.

Note : When the power is switched on by pressing and holding **[SOURCE]** for more than 2 seconds, a demonstration message appears on the display. **To cancel this display, press [DISP].**

OFF : Press **[SOURCE]** again for more than 1 second. After turning off the ignition key, A security message is displayed, and the warning alarm that reminds you to take the panel and the SD Memory Card is activated. (When S-LED is set to ON ➡ page 36)

Volume

[VOL∧] : Up
[VOL∨] : Down

VOLUME 20   Setting Range : 0 to 40

Note : The sound level for each source is stored in memory. (For radio, one volume setting for AM, one volume setting for all FMs)

[SOURCE] (Power/Source)

[VOL∧] [VOL∨] (Volume)

[DISP] (Display)

[MUTE] (Mute/Attenuator)

Source

Press **[SOURCE]** to change the source.

Radio
↓
CD Player
(When a CD is in the player)
↓
SD Player
(When a SD Memory Card is in the player)
↓
CD Changer
(When a CD changer is connected and magazine is in the changer)
↓
AUX In
(When AUX-IN setting is set to ON) (➡ page 36)
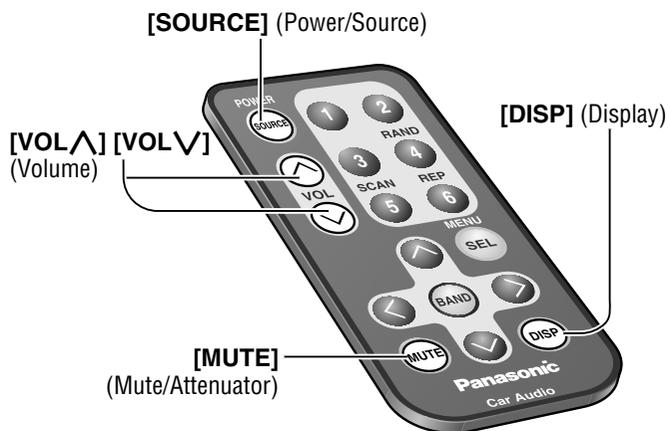
MUTE/ATT (Attenuator)

MUTE/ATT ON : Press **[MUTE]**.
MUTE/ATT OFF : Press again.
Decreasing volume range depends on setting. (MUTE/ATT setting ➡ page 36)

MUTE   : No sound

ATTENUATION   : Decrease the volume to 1/10 of previous level.
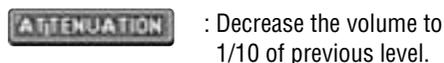
Dimmer

Press **[DIM]** on the main unit to change the dimmer level.

DIMMER 3	→	DIMMER 2	→	DIMMER 1
(Brighter)		(Medium)		(Darker)

Default : DIMMER 2
(With side marker lights ON)
DIMMER 3
(With side marker lights OFF)
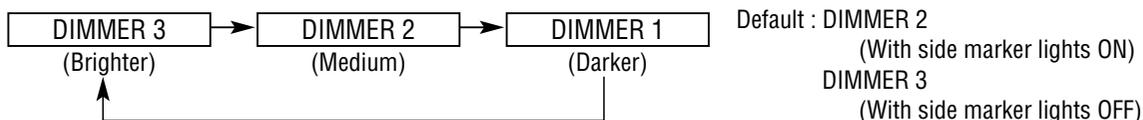
Notes :
● Set the display brightness for each of the cases in which the side marker lights are on and the side marker lights are off.
● Be sure to connect the illumination lead. (➡ page 46)

Display Change

When Power is ON

Press **[DISP]**.

Mode Display *1

Mode & Spectrum
Analyzer Display

Spectrum Analyzer Display *2

Display OFF *3

Mode & Clock Display

*1 The title information can be displayed in the CD/SD mode. (➡ page 17 and 21)
*2 If you press a button, the Mode & Spectrum Analyzer Display appears for 5 seconds.
*3 If you press a button, the light is turned on, the Mode Display appears, and the light is turned off approximately 5 seconds later.

Notes :
● Set the Spectrum Analyzer pattern in a separate procedure. (➡ page 34)
● "ADJUST" is displayed before adjusting the clock. (Adjustment ➡ page 34)

Press and hold **[DISP]** for more than 2 seconds.
Indicators which are not displayed on Mode Display are displayed.
(Sound, sound space and SD data information etc.)

Press **[DISP]** again to cancel.

AUDIO Indicator

When Power is OFF

Press **[DISP]**.

Clock Display

Display OFF

(Back light is on)

(Back light is off)

Radio

[BAND]
(Auto preset memory)

[D · M] (Direct memory)

Panasonic *CQ-SRX7000U* MOSFET *45Wx4*

SD/CD RECEIVER WITH FULL DOT MATRIX DISPLAY

[SOURCE]
(Source)

[TUNE<] [TUNE>] (Tune)

[P•SET∧] [P•SET∨] (Preset station)

Radio Mode Display

FM1   87.9 MHz
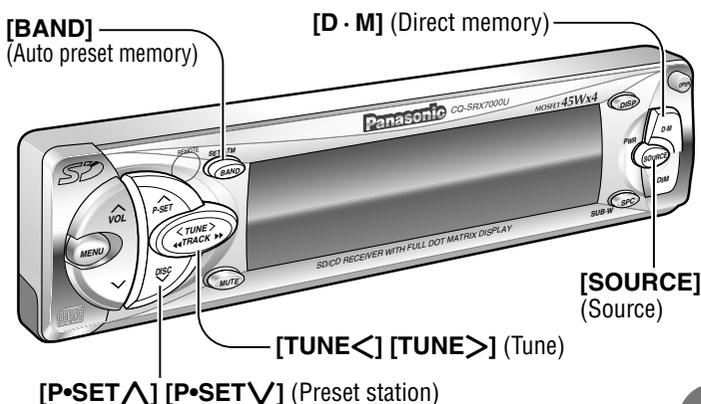
Band   Stereo Indicator   Frequency
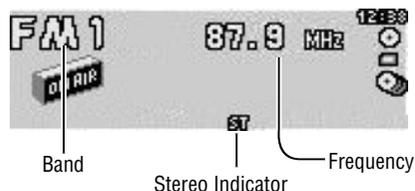
Note: The stereo indicator lights during reception of an FM stereo broadcast.

[SOURCE] (Source)

[1] to **[6]** (Preset station)

[BAND] (Auto preset memory)

[<] [>] (Tune)

[∧] [∨]
(Preset station)

1 **Radio Mode**

Press **[SOURCE]** to change to radio mode.

2 **Band**

Press **[BAND]**.

FM1
↓
FM2
↓
FM3
↓
AM
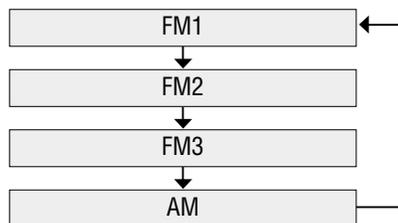
3 **Tuning**

[TUNE>] / [>] : Up
[TUNE<] / [<] : Down
Press and hold **[TUNE>]** or **[TUNE<]** / **[>]** or **[<]** for more than 0.5 seconds, then release. Seeking will start.
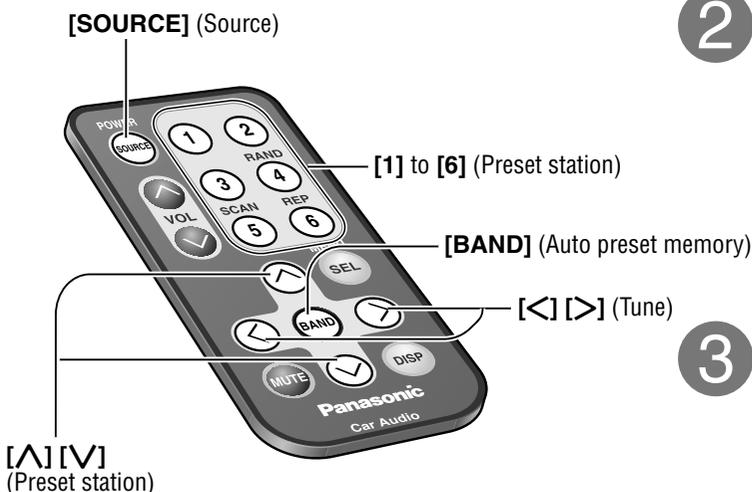
Direct Memory

Your favorite radio station can be memorized in the D·M button and you can call back radio stations just by pressing the button whatever the current sound source is, even if the power is off.   Default : FM 87.9 MHz

Memorize	**Recalling the Direct Memory**
① Select a band and frequency (step ❶, ❷ and ❸ on the above.)	Press **[D · M]** on the main unit. Press **[D · M]** on the main unit again to cancel and return to the previous source.
② Press and hold **[D · M]** on the main unit for more than 2 seconds. Frequency blinks once and is saved in the memory.	

Notes:
● New station is overwritten on existing saved station after following memorization procedure.
● Only the following operations are practicable while the Direct Memory radio station is being played: turning the power on or off, switching the source, adjusting the volume, turning on or off Mute (Attenuator), adjusting dimmer, switching the display, and loading a disc or a card.
Cancel the Direct Memory function to resume the normal operations.

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One-touch selection of a preset station

Up to 6 stations each can be saved in the FM1, FM2, FM3 and AM preset station memories.

Manual Preset Memory

Manually save a station in the preset memory.

Select a band and frequency (step ❶, ❷ and ❸ on the previous page)

① Press and hold **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** for more than 2 seconds until the preset number blinks.

② Press **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** to select a preset number.

③ Press and hold **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** for more than 2 seconds to memorize.

The display blinks once, and a receiving station is saved in the memory.

`FM2 3   87.9`
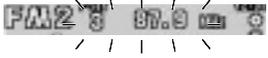
Note: Frequency setting can be performed even after selecting a preset number.

Entering numbers directly from the remote control

Select a band and frequency (step ❶, ❷ and ❸ on the previous page)
Press and hold **[1]** to **[6]** on the remote control for more than 2 seconds.

Auto Preset Memory

Automatically save strong stations in the preset memory.

Select a band (step ❶, ❷ on the previous page)

Press and hold **[BAND]** for more than 2 seconds.

Scanning

`FM2 3   87.9`
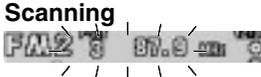
● The 6 strongest available stations will be automatically saved in the memory under preset numbers **1** to **6**.
● Once set, the preset stations are sequentially scanned for 5 seconds each.
● To stop the scanning, press **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]**. (Pressing **[1]** to **[6]** on the remote control also can stop the scanning.)

Note: New stations are overwritten on existing saved stations after following this procedure.

Preset Station Calling

Select a band (step ❶, ❷ on the previous page)

Press **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** to select the preset number for tuning in the preset station.

Entering numbers directly from the remote control

Press **[1]** to **[6]** on the remote control.

CQ-SRX7000U

CD Player
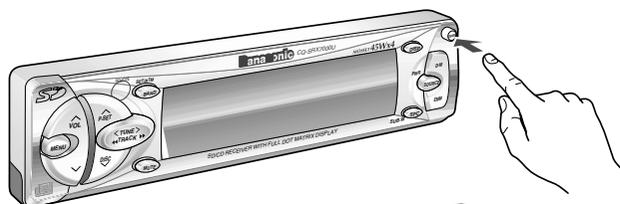
1 Open the Front Panel

Press **[OPEN]** on the front panel.

2 Disc Insert

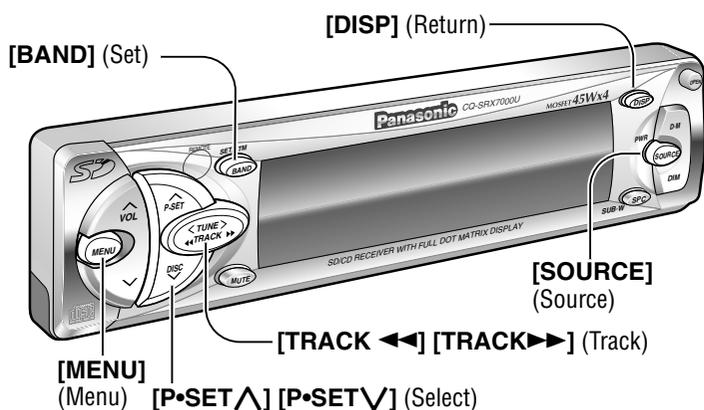Playback starts. Close the front panel.
Notes :
- Do not insert a disc when this indicator ⊙ lights.
- Loading a CD when the power is off allows the power to be turned on.
- Ejecting the CD when the unit is in the CD mode allows the power to be turned off.

Label Side
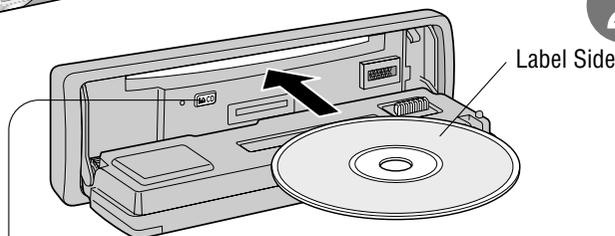
To Stop and Eject the Disc
Press **[▲CD]**

[DISP] (Return)

[BAND] (Set)

[SOURCE] (Source)

[TRACK ◄◄] [TRACK►►] (Track)

[MENU] (Menu)   **[P•SET∧] [P•SET∨]** (Select)

[SOURCE] (Source)

[5] (Scan)

[∧] [∨] (Select)

[BAND] (Set)

[4] (Random)

[6] (Repeat)

[SEL] (Menu)

[<] [>] (Track)

[DISP] (Return)

CD Player Mode Display

Track Number

Play Time

When a CD is inside
(Blinks during CD play)

Scan, Random and Repeat Indicator

When CD is in the player

Press **[SOURCE]** to change to CD player mode and playback starts.

Track Selection

[TRACK►►] / [>] : Next track
[TRACK◄◄] / [<] : Beginning of the current track
Previous track
(Press twice.)

Track Search

Press and hold.
[TRACK►►] / [>] : Fast forward
[TRACK◄◄] / [<] : Fast reverse
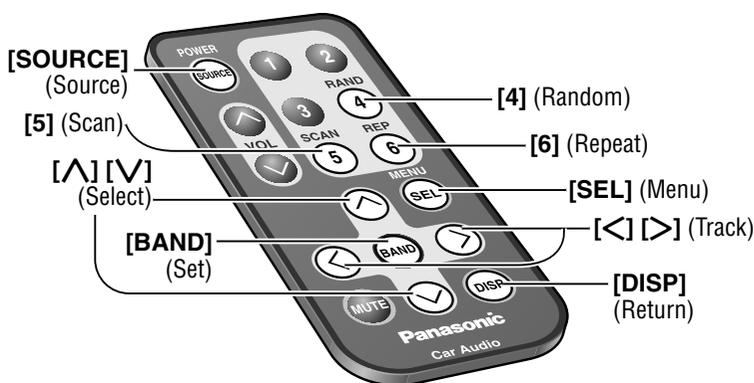
Cautions:
- **Never load an SD Memory Card into the CD slot. Otherwise the main unit or the SD Memory Card might be damaged.**
- To avoid damaging the front panel, do not push it down or place objects on it while it is open.
- Do not use irregularly shaped CDs.
- Do not pinch your finger or hand in the front panel. Do not insert foreign matter into the disc and card slots.
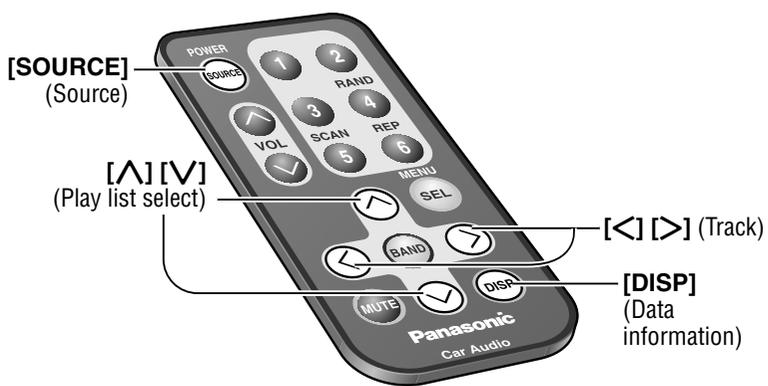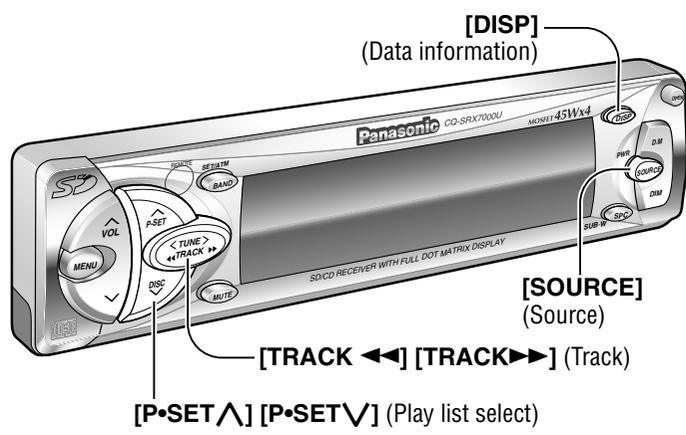
CD Mode Setting from Menu

① Press **[MENU] / [SEL]** during CD playing.

② Press **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** to select an item.

③ Press **[BAND]** to switch on or off in turn.

CD Menu Display

Notes:
- ● Operations except setting should be performed after returning to the mode display.
- ● If no keys have been pressed for more than 15 seconds, the display returns to the previous one after changing to the menu display.
- ● Press **[DISP]** to return to the regular mode.

Play Setting

Random Play

Select **RAND**

| ON | : All the available tracks are played in a random sequence. |
| OFF | : Cancel |

Scan Play

Select **SCAN**

| ON | : The first 10 seconds of each track play in sequence. |
| OFF | : Cancel |

Repeat Play

Select **REP**

| ON | : Repeat the current selection. |
| OFF | : Cancel |

Title Information

Title Display

Select **TITLE**

| ON | : Display |
| OFF | : No display |

- ● "NO TITLE" is displayed when there is no information.
- ● When the title display is set to ON, the mode display appears.

Title Scroll

Select **TITLE SCROLL**

| ON | : Continuous scroll |
| OFF | : Scroll stops after a circle scroll. Press and hold **[BAND]** for more than 2 seconds to have an another circle scroll. |

Direct Play Setting from Remote Control
Random, scan and repeat can be set by the remote control when the menu is not displayed.
Press **[4]** (Random) / **[5]** (Scan) / **[6]** (Repeat) on the remote control. Press again to cancel.

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SD Player

1 Open the Front Panel

Press **[OPEN]** on the front panel.

2 Memory Card Insert

① Load a card by pushing the center of the back of the card until it is locked.
② Playback starts. Close the front panel.

Cut Side

Label Side

Notes :
● Loading an SD Memory Card when the power is off allows the power to be turned on.
● Ejecting the SD Memory Card when the unit is in the SD mode allows the power to be turned off.
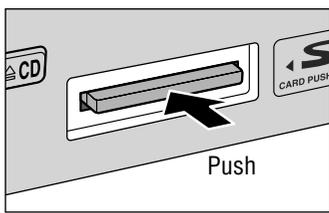
To Stop and Eject the SD Memory Card

Press the center of the back of the card to be unlocked.

Push

[DISP]
(Data information)

SD Player Mode Display

Track Number   Play Time
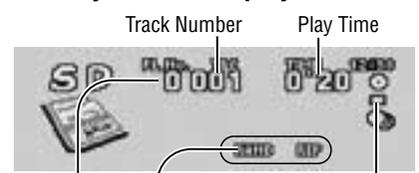
Play List Number   When an SD Memory Card is inside
                      (Blinks during SD play)
          Random and Repeat
          Indicator

[SOURCE]
(Source)

[TRACK ◄◄] [TRACK►►] (Track)

[P•SET∧] [P•SET∨] (Play list select)

When an SD Memory Card is in the player

Press **[SOURCE]** to change to SD player mode and playback starts.

Track Selection

[TRACK►►] / [>] : Next track
[TRACK◄◄] / [<] : Beginning of the current track
                     Previous track
                     (Press twice.)

[SOURCE]
(Source)

[∧] [∨]
(Play list select)

[<] [>] (Track)

[DISP]
(Data information)

Track Search

Press and hold.
[TRACK►►] / [>] : Fast forward
[TRACK◄◄] / [<] : Fast reverse

● Refer to the "About SD" (➡ page 38) and "Notes on SD Memory Card" (➡ page 56) for the information of the SD Memory Card.
● Refer to the Operating Instructions and online help for the PC software "RealJukebox for Panasonic" for the information of the play list etc.

Play List Selection

Press **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** to select the play list during SD playing.

Playback of the track in the selected play list starts.
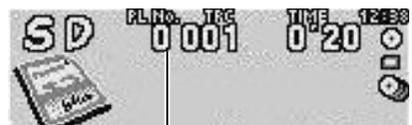
Play List Number

Notes :
● Same play list will be played continuously after all tracks are played in the selected play list.
● The play list selection is also available from the menu display (➡ page 20).

When play list number 2 is selected.

To Return to All Track Playing

Select play list number "0" to return to the all track playback.

SD Memory Card Data Information

Press and hold **[DISP]** for more than 2 seconds to display the SD Memory Card data information.

While playing music that was compressed in the AAC compression format

AAC compression format

Bit rate

While playing music that was compressed in the MP3 compression format

MP3 compression format

Bit rate

Cautions:
● **Never load an SD Memory Card into the CD slot. Otherwise the main unit or the SD Memory Card might be damaged.**
● To avoid damaging the front panel, do not push it down or place objects on it while it is open.
● Confirm that the direction of the card is correct, and that the card is not inverted. Forced loading may cause trouble.
● Do not pinch your finger or hand in the front panel. Do not insert foreign matter into the disc and card slots.

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SD Player (continued)

SD Mode Setting from Menu

① Press **[MENU] / [SEL]** during SD playing.

② Press **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** to select an item.

③ Press **[BAND]** to switch on or off in turn.

③ Press **[BAND]** to set. (Play list and music list)

SD Menu Display

Notes:
- Operations except setting should be performed after returning to the mode display.
- If no keys have been pressed for more than 15 seconds, the display returns to the previous one after changing to the menu display.
- Press **[DISP]** to return to the regular mode.

Play Setting

Random Play	Select **RAND**	ON : All the available tracks are played in a random sequence. OFF : Cancel ● When play list is playing, all the available tracks from the play list are played in random sequence.
Repeat Play	Select **REP**	ON : Repeat the current selection. OFF : Cancel
Play List Refer to the Operating Instructions and online help for the PC software "RealJukebox for Panasonic" for the information of the play list,etc.	Select **PLAY LIST**	From the play list display, ① Select your favorite play list with pressing **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]**. ② Press **[BAND]** to set. Playback of the track in the selected play list starts. PLAY LIST △ 01-PLAY LIST 1 02-PLAY LIST 2 ▽ 03-PLAY LIST 3 ● Select "00-DEFAULT PLAYLIST" to return to the all track playback.
Music List **When all track playback** Display all tracks in the SD Memory Card. **When play list playback** Display all tracks in the play list.	Select **MUSIC LIST**	From the music list display, ① Select your favorite track with pressing **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]**. ② Press **[BAND]** to set. Playback of the selected track starts. MUSIC LIST △ 001-MUSIC LIST 1 002-MUSIC LIST 2 ▽ 003-MUSIC LIST 3

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Title Information

Title Display	Select TITLE	ON : Display OFF : No display	
		● "NO TITLE" is displayed when there is no information. ● When the title display is set to ON, the mode display appears.	
Title Scroll	Select TITLE SCROLL	ON : Continuous scroll OFF : Scroll stops after a circle scroll Press and hold **[BAND]** for more than 2 seconds to have an another circle scroll.	

Direct Play Setting from Remote Control
Random and repeat can be set by the remote control when the menu is not displayed.
Press **[4]** (Random) / **[6]** (Repeat) on the remote control. Press again to cancel.

[DISP] (Return)

[BAND] (Set)

[MENU]
(Menu) **[P•SET∧] [P•SET∨]** (Select)

[4] (Random)

[6] (Repeat)

[SEL] (Menu)

[∧] [∨]
(Select)

[BAND] (Set)

[DISP] (Return)

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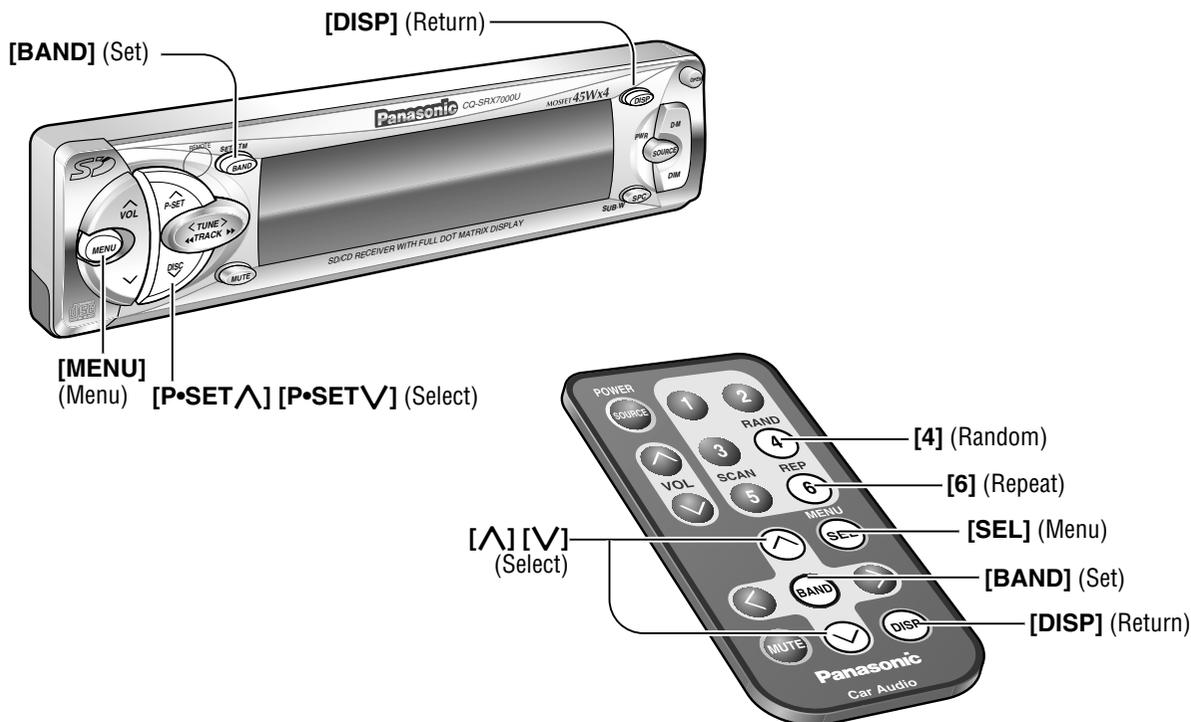
CD Changer

CD changer functions are designed for optional Panasonic CD changer unit.
Connect the CD changer, and load a magazine.

Notes :
● Loading a magazine when the power is off allows the power to be turned on.
● Ejecting the magazine when the unit is in the CD changer mode allows the power to be turned off.

[BAND] (Set)

[DISP] (Return)

[SOURCE]
(Source)

[MENU]
(Menu)

[TRACK ◄◄] [TRACK►►] (Track)

[P•SET/DISC∧] [P•SET/DISC∨] (Select)

CD Changer Mode Display

Track Number   Play Time

Disc Number

When a CD changer is
connected
(Blink during CD changer
play)

Scan, Random and
Repeat Indicator

[SOURCE] (Source)

[5] (Scan)

[4] (Random)

[6] (Repeat)

[∧] [∨]
(Disc/Select)

[SEL] (Menu)

[BAND]
(Set)

[<] [>]
(Track)
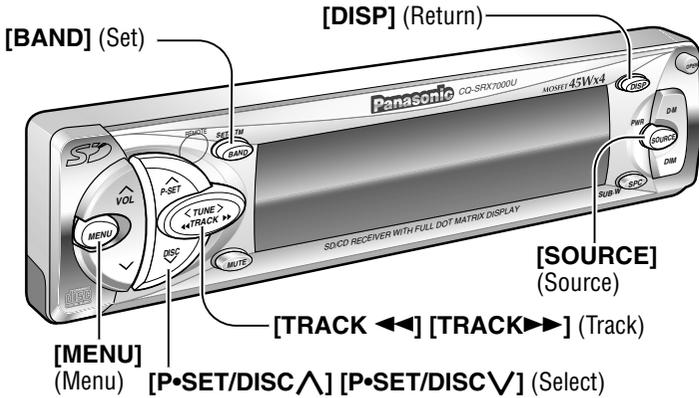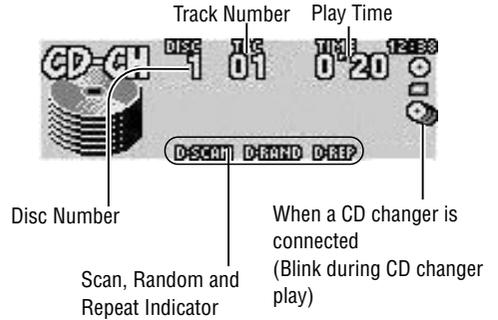
[DISP]
(Return)

❶ CD Changer Mode

Press **[SOURCE]** to change to CD changer mode and play back starts

Note : Load a magazine with CDs when "NO DISC" is displayed.

❷ Disc Selection

[DISC∧] / [∧] : Next disc.
[DISC∨] / [∨] : Previous disc.

❸ Track Selection

[TRACK►►] / [>] : Next track.
[TRACK◄◄] / [<] : Beginning of the
current track.
Previous track
(Press twice)
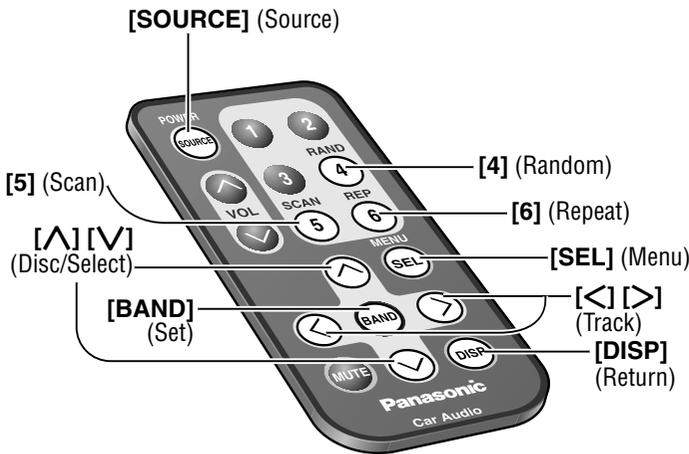
Track Search

Press and hold.
[TRACK►►] / [>] : Fast forward
[TRACK◄◄] / [<] : Fast reverse

Caution: Do not use irregularly shaped CDs.

CQ-SRX7000U

CD Changer Mode Setting from Menu

① Press **[MENU] / [SEL]** during CD changer playing.

② Press **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** to select an item.

③ Press **[BAND]** to switch on or off in turn.

CD Changer Menu Display

Notes:
- Operations except setting should be performed after returning to the mode display.
- If no keys have been pressed for more than 15 seconds, the display returns to the previous one after changing to the menu display.
- Press **[DISP]** to return to the regular mode.

Play Setting

Random Play	Select RAND	ON : All the available tracks on all discs in the magazine are played in a random sequence.	
		OFF : Cancel	
	Select D. RAND	ON : All the available tracks on current discs are played in a random sequence.	
		OFF : Cancel	
Scan Play	Select SCAN	ON : The first 10 seconds of each track on the discs plays in sequence.	
		OFF : Cancel	
	Select D. SCAN	ON : The first track of all the discs in the magazine is played for 10 seconds each.	
		OFF : Cancel	
Repeat Play	Select REP	ON : Repeat the current selection.	
		OFF : Cancel	
	Select D. REP	ON : Repeat the current disc selection.	
		OFF : Cancel	

Direct Play Setting from Remote Control

Random, scan and repeat can be set by the remote control when the menu is not displayed.

Press **[4]** (Random) / **[5]** (Scan) / **[6]** (Repeat) on the remote control. Press again to cancel.

Press and hold **[4]** (Random) / **[5]** (Scan) / **[6]** (Repeat) for more than 2 seconds on the remote control to activate disc random, disc scan and disc repeat. Press and hold again for more than 2 seconds to cancel.

CQ-SRX7000U

Various Settings

[BAND] (Set)

Panasonic CQ-SRX7000U MOSFET **45W×4**

SD/CD RECEIVER WITH FULL DOT MATRIX DISPLAY

AUDIO Menu Display

[DISP]
(Return)

[TUNE<] [TUNE>] (Select)
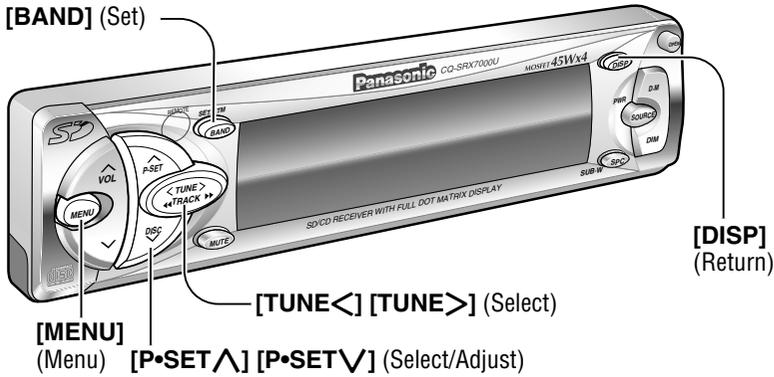
[MENU]
(Menu) **[P•SET∧] [P•SET∨]** (Select/Adjust)

Tone Quality
(Human Equalizer/HEQ)

There are 49 ready patterns to make presetting easier.

Default : FLAT(0)
Setting range : 1 - 3 for each patterns (49 patterns)

Press **[MENU] / [SEL]** to select AUDIO.

| Current Source |
| AUDIO |
| PICTURE |
| FUNCTION |

Press **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** to select

HEQ

Press **[BAND]** to set.

Save Your Tone Quality Preference
(Graphic Equalizer/GEQ)

You can adjust the level from bass to treble in each of 7 frequency bands. Up to 5 tone quality preferences can be saved in memory. (Preset memory 1 to 5)

Default : 0 dB for each frequency
Setting range : –12 to +12 in 2 dB step

A tone quality that excludes blurred bass and is comfortable to listen to is already saved under preset number 6.

Note: You can not save under preset number 6.
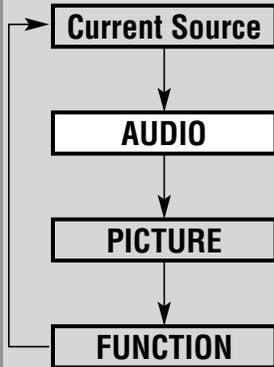
Press **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** to select

GEQ

Press **[BAND]** to set.
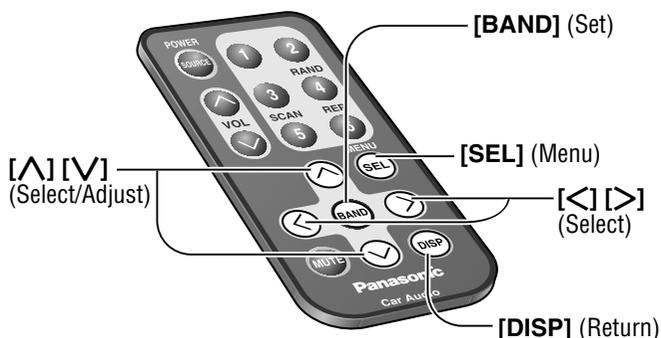
<Audio Setting>

[BAND] (Set)

[SEL] (Menu)

[∧] [∨]
(Select/Adjust)

[＜] [＞]
(Select)

[DISP] (Return)

Notes:
● Operations except setting should be performed after returning to the mode display.
● If no keys have been pressed for more than 15 seconds, the display returns to the previous one after changing to the menu display.
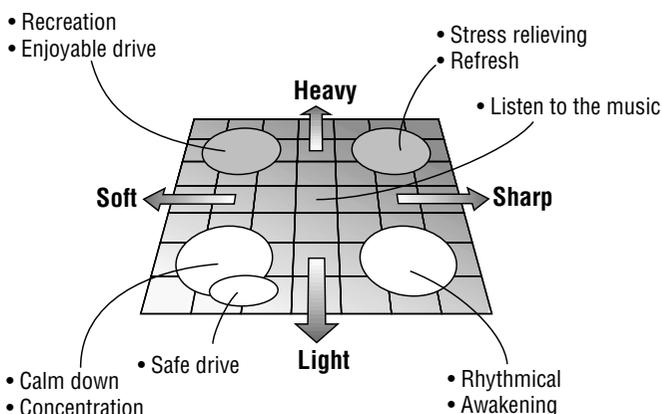● Press **[DISP]** to return to the regular mode.

[P•SET∧] / [∧] : Heavy bass

[P•SET∨] / [∨] : Light bass

[TUNE＞] / [＞] : Sharp treble

[TUNE＜] / [＜] : Soft treble

Press **[BAND]** to set.

• Recreation
• Enjoyable drive

• Stress relieving
• Refresh

Heavy

• Listen to the music

Soft ⟵ ⟶ **Sharp**

Light

• Calm down
• Concentration

• Safe drive

• Rhythmical
• Awakening

GEQ Adjustment

Adjust the level for each frequency.
① Press **[TUNE＞]** or **[TUNE＜] / [＞]** or **[＜]** to move the cursor.
② **[P•SET∧] / [∧]** : Upper level.
   [P•SET∨] / [∨] : Lower level

GEQ Adjusting Display

Memorize

① Position the cursor on "P•SET" using **[TUNE＞]** or **[TUNE＜] / [＞]** or **[＜]**.
② Press **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** to select preset number 1 to 5.
③ Adjust the level for each frequency.

Note: New setting is overwritten on existing saved setting after following this procedure.

Calling Back the Preset Tone Quality

After changing to the GEQ adjusting display,
① Position the cursor on "P•SET" using **[TUNE＞]** or **[TUNE＜] / [＞]** or **[＜]**.
② Press **[P•SET∧]** or **[P•SET∨] / [∧]** or **[∨]** to select one of the preset numbers 1 - 6

Note: Memorizing and callback can not be performed by using **[1]** to **[6]** on the remote control.

CQ-SRX7000U

Various Settings (continued)

[BAND] (Set)

Panasonic CQ-SRX7000U   MOSFET 45W×4

REMOTE SET DIM

SD/CD RECEIVER WITH FULL DOT MATRIX DISPLAY

AUDIO Menu Display

FM **AUDIO** PICTURE FUNCTION

NEO
GEQ
■ BAL/FAD
■ POSI

[DISP]
(Return)

[TUNE〈] [TUNE〉] (Select/Adjust)
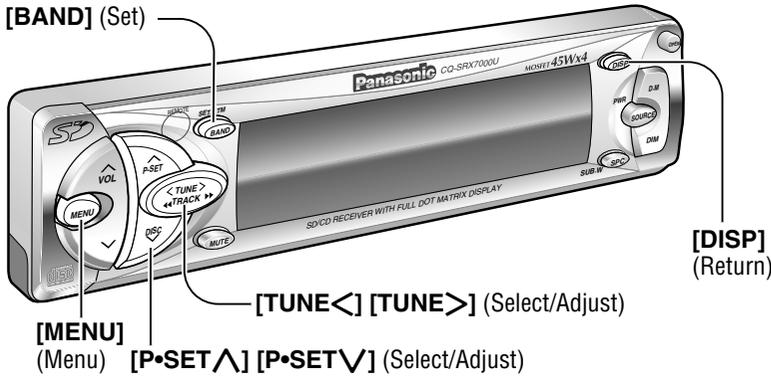
[MENU]
(Menu)   **[P•SET∧] [P•SET∨]** (Select/Adjust)
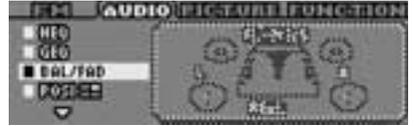
Balance and Fader

You can adjust the sound balance among the front, rear, right and left speakers.
Default : L/R(Balance) : Center
FRONT/REAR(Fader) : Center
Setting range : 15 levels each

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

BAL/FAD

Press **[BAND]** to set.

Sound Image
(Position)

You can adjust the sound image in accordance with a listener's position.

Default : OFF

Press **[MENU] / [SEL]** to select AUDIO.

Current Source
↓
AUDIO
↓
PICTURE
↓
FUNCTION

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

POSI

Press **[BAND]** to set.

Rear Speakers as Sub-Woofers
(Super Base Control Sub-Woofer/SBC-SW)

You can utilize the rear speaker connected to the built-in amplifier as Sub-Woofers that outputs only bass.

Default : OFF

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

SBC SW

Press **[BAND]** to set.

Bass Enhancement
(Super Dynamic Bass Boost/SDBB)

The bass of the 4 speakers connected to the built-in amplifier is enhanced, so that you can enjoy heavy bass sound.

Default : OFF
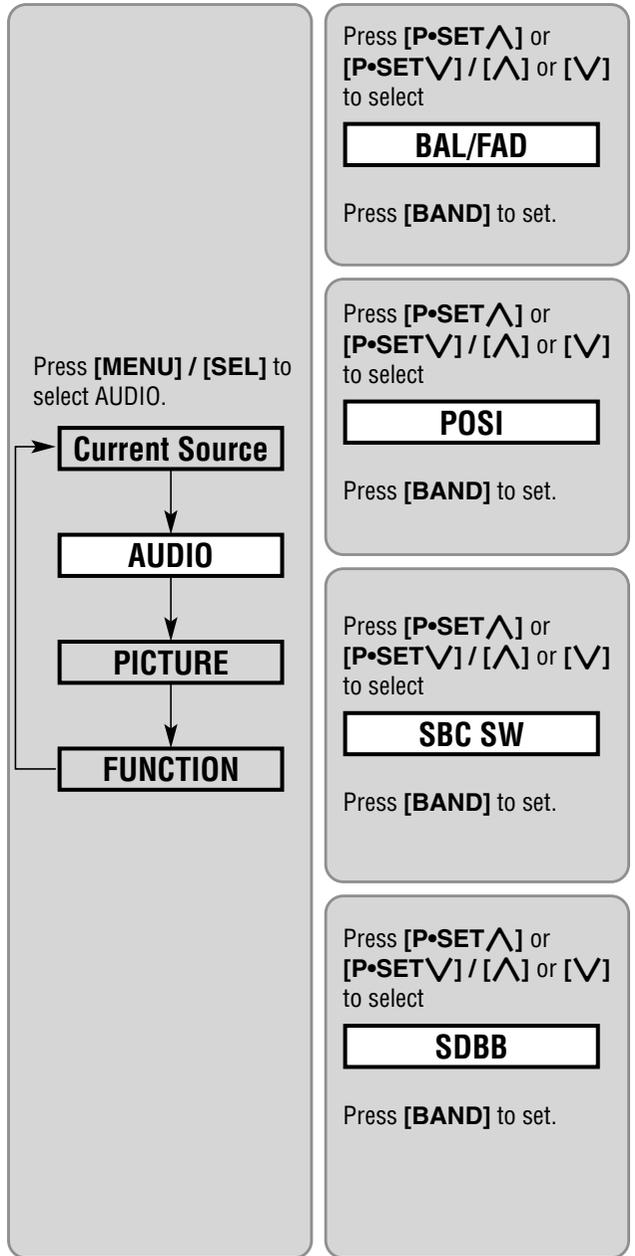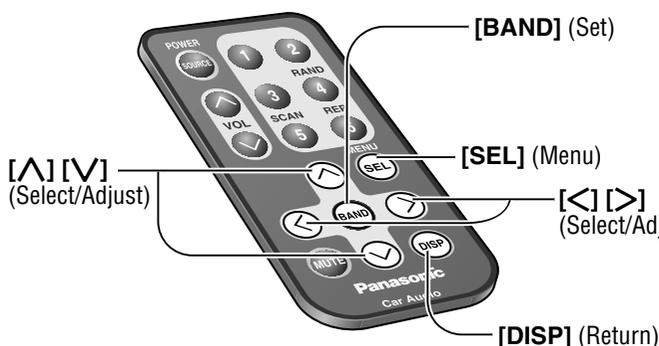
Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

SDBB

Press **[BAND]** to set.

<Audio Setting>

[BAND] (Set)

[SEL] (Menu)

[∧] [∨]
(Select/Adjust)

[<] [>]
(Select/Adjust)

[DISP] (Return)

Notes:
- Operations except setting should be performed after returning to the mode display.
- If no keys have been pressed for more than 15 seconds, the display returns to the previous one after changing to the menu display.
- Press **[DISP]** to return to the regular mode.

L/R (Balance)	FRONT/REAR (Fader)
[TUNE>] / [>] : Right enhanced	**[P•SET∧] / [∧]** : Front enhanced
[TUNE<] / [<] : Left enhanced	**[P•SET∨] / [∨]** : Rear enhanced

Press **[BAND]** to set.

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to change.　Press **[BAND]** to set.

RIGHT	: Front right
LEFT	: Front left
FRONT	: Front
REAR	: Rear

| OFF | : All seats |

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to change.　Press **[BAND]** to set.

| OFF/STEREO | : Regular Output (Stereo) |
| ON/MONO | : Bass Enhancement (Monaural) |

SBC-SW ON

- Adjust the Sub-Woofer output level (➡ page 32). It is also interlocked with the preout (rear speaker output).
- BAL/FAD, POSI, SDBB and SPACE (➡ page 30) settings for rear speaker output will be invalid.

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to change.　Press **[BAND]** to set.

TYPE 1	: Variable, low
TYPE 2	: Variable, high
TYPE 3	: Fixed, low
TYPE 4	: Fixed, high

| OFF | : Normal output |

- Variable : Bass enhancement along with the volume
- Fixed : Bass enhancement with fixed range

Boost pressure

dB
12
8

OFF 0

300Hz

TYPE1(Variable: low)
TYPE2(Variable: high)
TYPE3(Fixed: low)
TYPE4(Fixed: high)

Frequency

CQ-SRX7000U

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Various Settings (continued)

[BAND] (Set)

Panasonic *CQ-SRX7000U* MOSFET *45W×4*

REMOTE SET DIM
PWR D-M
DISP

VOL
P-SET
SOURCE
MENU
< TUNE >
TRACK
DIM
DISC
SUB W SPC
MUTE

SD/CD RECEIVER WITH FULL DOT MATRIX DISPLAY

AUDIO Menu Display

FM **AUDIO** PICTURE FUNCTION
LEVEL ► +10
SBC SW
DLY +00
SUB
CENTER
CENTER

[DISP]
(Return)

[TUNE<] [TUNE>] (Select/Adjust)

[MENU]
(Menu) **[P•SET∧] [P•SET∨]** (Select)

Preparations :
- Connect an optional center speaker and power amplifier. (➡ page 47)
- Turn off the DSP effect before adjusting the volume level and delay time of the center speaker. (Refer to the following.)

Center Speaker Volume Level

Default : 0
Setting range : – ∞, –10 to +10 in 2 dB step

Center Speaker Delay Time

Default : 0
Setting range : –10 to +10
        (1 step = 0.001 seconds)

Press **[MENU] / [SEL]** to select AUDIO.

Current Source
↓
AUDIO
↓
PICTURE
↓
FUNCTION
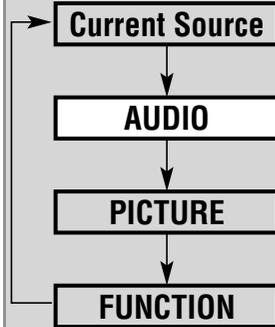
Press **[P•SET∧]** or
[P•SET∨] / [∧] or **[∨]**
to select

CENTER

Press **[BAND]** to set.

Center Speaker Volume Adjustment Procedure

Preparations :
Set the following before adjusting the volume of the center speaker.
- Sound space : SPACE OFF (➡ page 30)
- Sound space range (WIDE / NARROW) : 0 (➡ page 30)

1. Adjust the center speaker volume.
Adjust the volume so that middle tone such as vocal is oriented toward the front center.

2. Adjust the sound space and its range (DSP effect).
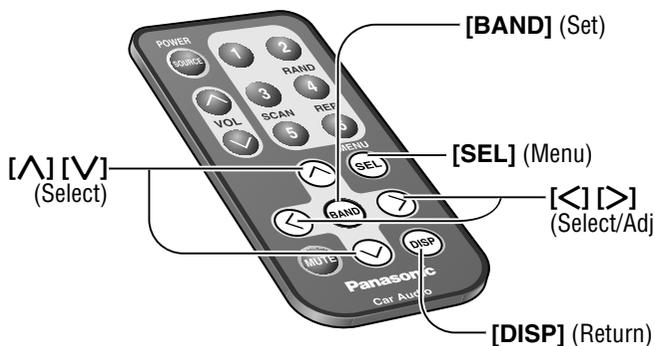
<Audio Setting>

[BAND] (Set)

[∧] [∨]
(Select)

[SEL] (Menu)

[<] [>]
(Select/Adjust)

[DISP] (Return)

Notes:
- Operations except setting should be performed after returning to the mode display.
- If no keys have been pressed for more than 15 seconds, the display returns to the previous one after changing to the menu display.
- Press **[DISP]** to return to the regular mode.

Press **[P•SET∧]** or
[P•SET∨] / [∧] or **[∨]**
to select

LEVEL

[TUNE>] / [>] : Up

[TUNE<] / [<] : Down

– ∞ : No sound from the center speaker

Press **[BAND]** to set.

Press **[P•SET∧]** or
[P•SET∨] / [∧] or **[∨]**
to select

DELAY

[TUNE>] / [>] : Longer delay time, farther sound image (Center speaker output timing is delayed)

[TUNE<] / [<] : Shorter delay time, closer sound image (Center speaker output timing is advanced)

0 : The output timing of the center speaker is synchronized with that of the other speakers.

Press **[BAND]** to set.

3. Adjust the center speaker volume again.
Adjust the center speaker delay time and volume to suit with the sound space setting.

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Various Settings **(continued)**

[P•SET∧] [P•SET∨] (Select)

[DISP] (Return)
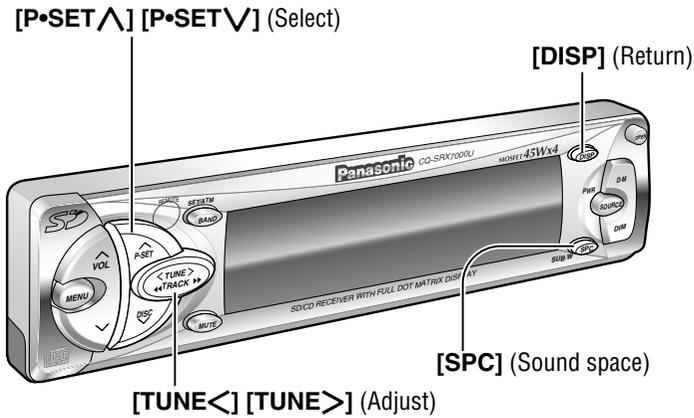
Sound Space Setting Display

[SPC] (Sound space)

[TUNE<] [TUNE>] (Adjust)
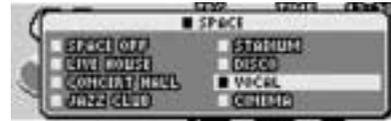
Sound Space Reproduction
(SPACE)

Sound space can be made in a car like being in a concert hall.
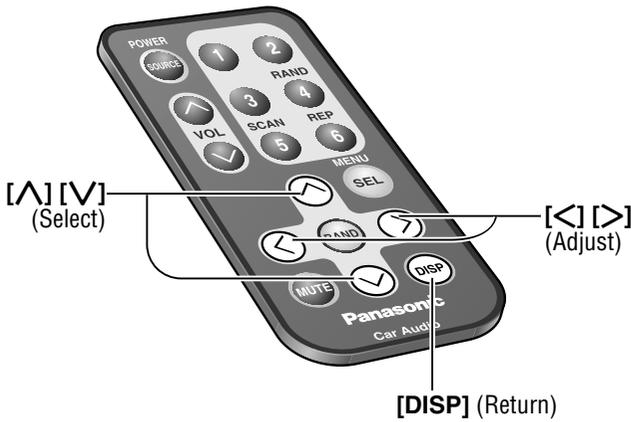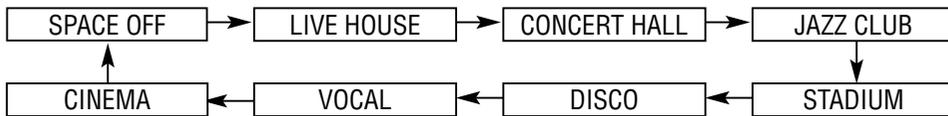Sound space range can be adjusted.

Default : Sound space....SPACE OFF
         Sound range....0
Setting range : Sound space....8 types (including SPACE OFF)
                Sound space range....–3 to +3

Sound space is available for each mode (AM, FM, CD, SD, CD
Changer and AUX-IN).

Press **[SPC]** on the main
unit to change to the sound
space setting menu mode.

<Sound Space Setting>

Notes:
- Operations except setting should be performed after returning to the mode display.
- If no keys have been pressed for more than 15 seconds, the display returns to the previous one after changing to the menu display.
- Press **[DISP]** to return to the regular mode.

[∧] [∨]
(Select)

[<] [>]
(Adjust)

[DISP] (Return)

Sound Space Type Setting

Press **[SPC]** on the main unit to change the sound space type.
(**[P•SET∧]** and **[P•SET∨] / [∧]** and **[∨]** are also available to change the sound space type.)

SPACE OFF	→	LIVE HOUSE	→	CONCERT HALL	→	JAZZ CLUB
CINEMA	←	VOCAL	←	DISCO	←	STADIUM

Sound Space Range (WIDE / NARROW)

[TUNE>] / [>] : Wide space atmosphere

[TUNE<] / [<] : Narrow space atmosphere

Various Settings (continued)

DDBC SUB-W Menu Display

[DISP] (Return)

[SPC] (DDBC SUB-W menu)

[TUNE<] [TUNE>] (Select/Adjust)

[P•SET∧] [P•SET∨] (Select)
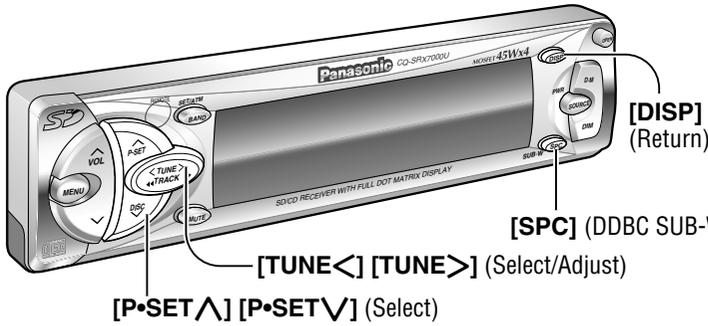
These adjustments are effective when Sub-Woofers are connected or when the rear speakers are used as Sub-Woofers. (➡ page 26)

Sub-Woofer Volume
(DDBC Volume Level)

Default : 0
Setting range : – ∞, –10 to +10 in 2 dB step

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

LEVEL

Sense of Distance
(DDBC Delay Time)
There is no delay time between speaker and Sub-Woofer sound, so that you can enjoy dynamic heavy bass.

Default : 0
Setting range : –10 to +10
(1 step = 0.001 seconds)

Press and hold **[SPC]** for more than 2 seconds to change to DDBC SUB-W menu mode.

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

DELAY

Bass Control
(DDBC Cut off Frequency)
The upper limit of the bass cut off frequency is controlled, so that you can enjoy a clear sound.

Default : OFF
Setting range : 4 levels (including OFF)

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

LPF

<Sub-Woofer Output Setting> DDBC / Digital Dynamic Bass Control
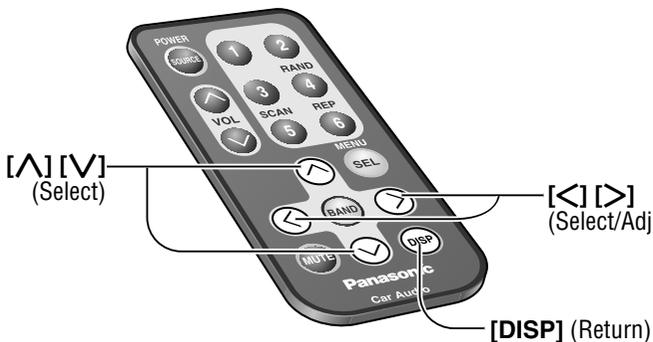
[∧] [∨]
(Select)

[<] [>]
(Select/Adjust)

[DISP] (Return)

Notes:
- Operations except setting should be performed after returning to the mode display.
- If no keys have been pressed for more than 15 seconds, the display returns to the previous one after changing to the menu display.
- Press **[DISP]** to return to the regular mode.

[TUNE>] / [>] : Up

[TUNE<] / [<] : Down

– ∞ : No Sub-Woofer sound

[TUNE>] / [>] : Sub-Woofer output timing is delayed than other speakers.

[TUNE<] / [<] : Sub-Woofer output timing is advanced than other speakers.

0 : The output timing of the Sub-Woofers is synchronized with that of the other speakers.

Press **[TUNE>]** or **[TUNE<] / [>]** or **[<]** to change the cut off frequency.

| OFF | : Regular output, high tone included |

| 100Hz | 150Hz | 200Hz | : High tone excluded |

(Select the top limit of output lower frequency range.)

Follow the setting below when using an adjusting function built in an external amplifier.
- DDBC Delay Time : 0
- DDBC Cut off Frequency : OFF

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Various Settings (continued)

[BAND] (Set)

Panasonic CQ-SRX7000U MOSFET 45Wx4

PICTURE Menu Display

AM AUDIO PICTURE FUNCTION
■ S·A PATTERN
■ CONTRAST
■ CLOCK - OFF
■ CLOCK ADJ

SD/CD RECEIVER WITH FULL DOT MATRIX DISPLAY

[DISP]
(Return)

[TUNE<] [TUNE>] (Select/Adjust)
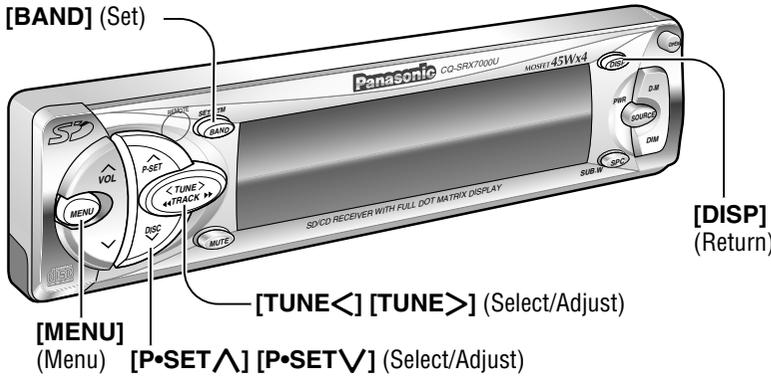
[MENU]
(Menu)   **[P•SET∧] [P•SET∨]** (Select/Adjust)

Spectrum Analyzer Display Pattern

Default : Pattern A
Variety : 6 types

	Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select
	S·A PATTERN
	Press **[BAND]** to set.

Contrast

Allows you to adjust the display contrasts for better viewing.

Default : Level 3
Setting range : Level 1 to Level 5

Press **[MENU] / [SEL]** to select PICTURE.

→ **Current Source**
   ↓
   AUDIO
   ↓
   PICTURE
   ↓
   FUNCTION

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

CONTRAST

Press **[BAND]** to set.

Clock Display

Default : ON (Not adjusted. "--:--" will appear.)

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

CLOCK

Clock Adjustment

(12 hour system)
Default : Not adjusted. "12:00"
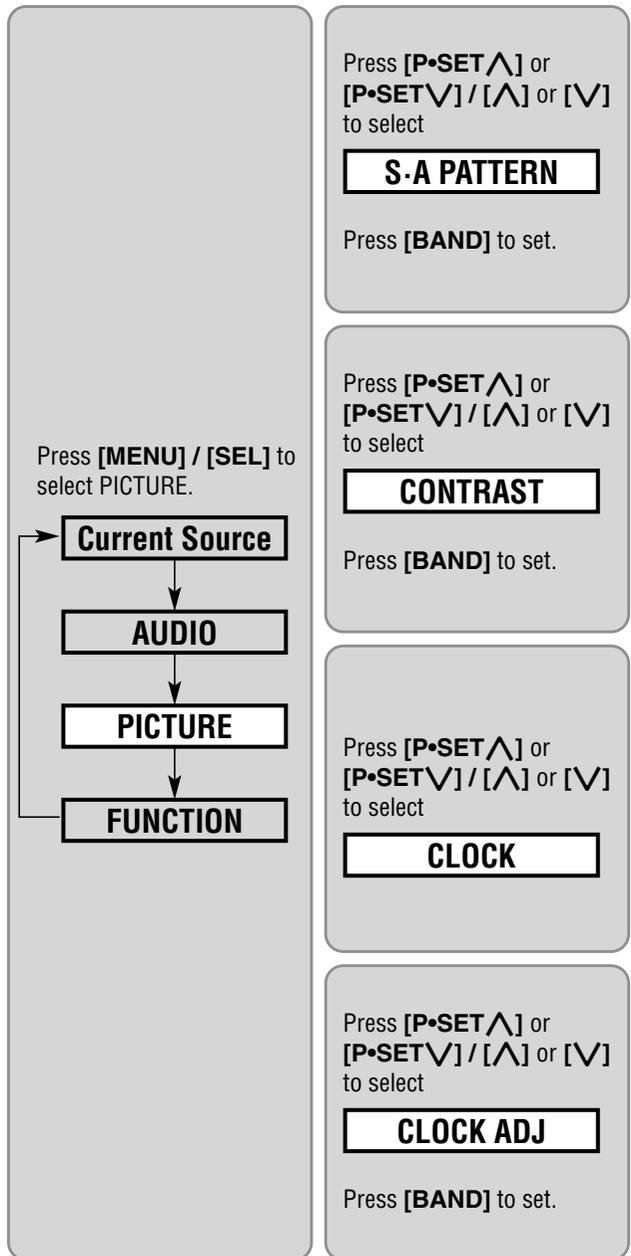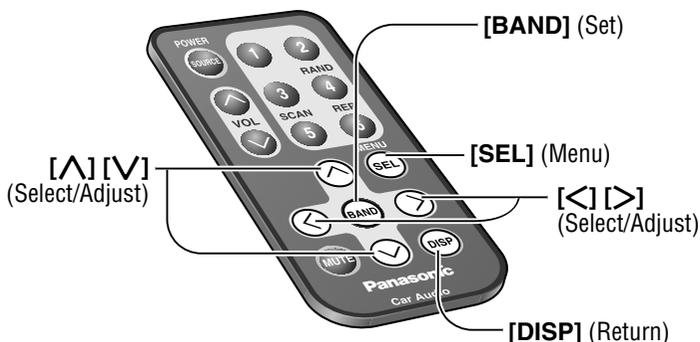
Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

CLOCK ADJ

Press **[BAND]** to set.

<Display Setting>

[BAND] (Set)

[SEL] (Menu)

[∧] [∨]
(Select/Adjust)

[<] [>]
(Select/Adjust)

[DISP] (Return)

Notes:
- Operations except setting should be performed after returning to the mode display.
- If no keys have been pressed for more than 15 seconds, the display returns to the previous one after changing to the menu display.
- Press **[DISP]** to return to the regular mode.

[TUNE>] or **[TUNE<] / [>]** or **[<]** to change.

Press **[BAND]** to set.

| A | : Display showing a cube that continues to change |

| B | : Display showing a globe that continues to change |

| C | : Display showing a flower or doll pattern |

| D | : Display showing a bird flapping its wings |

| E | : Display showing the image of a circuit |

| STD | : Standard spectrum analyzer display (15 band) |

Note: Switch the screen display to have the Spectrum Analyzer Display. (➡ page 13)

[TUNE>] / [>] : Level up

[TUNE<] / [<] : Level down

Press **[BAND]** to set.

Press **[BAND]** to switch on or off in turn.

| ON | : Clock display ON |

| OFF | : Clock display OFF |

Clock Display
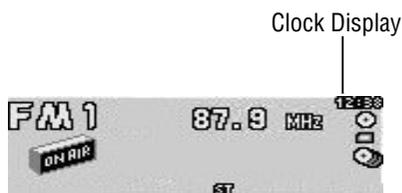
Hour / Minute Switch

[TUNE<] / [<] : The hour display

[TUNE>] / [>] : The minute display

Hour / Minute Adjustment

[P•SET∧] / [∧] : Put forward hour/minute.

[P•SET∨] / [∨] : Put back hour/minute.

Press **[BAND]** to set.

CQ-SRX7000U

Various Settings (continued)

[BAND] (Set)

Panasonic CQ-SRX7000U   MOSFET *45W×4*

SD/CD RECEIVER WITH FULL DOT MATRIX DISPLAY

[DISP]
(Return)

[MENU]
(Menu)   **[P•SET∧] [P•SET∨]** (Select)

FUNCTION Menu Display

FM   AUDIO PICTURE FUNCTION
■ MUTE KEY = MUTE   ■ S·LED   = OFF
■ EXT.MUTE = OFF
■ AUX-IN   = OFF
■ BEEP   = OFF
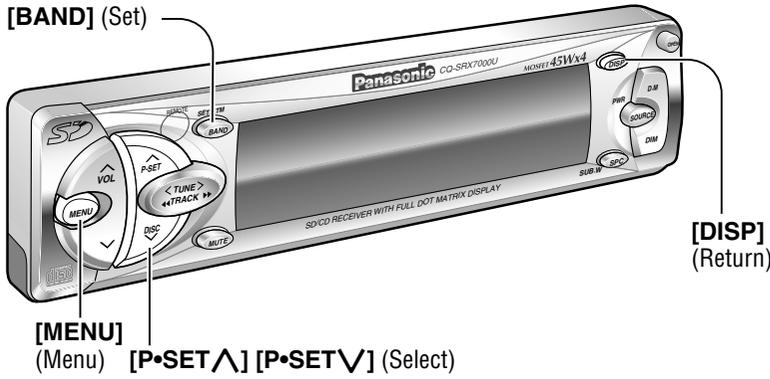
Mute/ATT (Attenuator)

Decreasing range by pressing **[MUTE]** button can be selected.

Default : Mute

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

MUTE KEY

Navi Mute

Allows you to mute the current source while your navigation system provides voice guidance. (not available yet)
Default : Lv 0
Preparation : Connect the Navi Mute lead.

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

EXT. MUTE

Press **[MENU] / [SEL]** to select FUNCTION.

Current Source
↓
AUDIO
↓
PICTURE
↓
FUNCTION

Excluding AUX-IN from Source Selection

Default : ON

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

AUX-IN

Button Operation Sound
(Signal/beep sound)

Default : ON

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

BEEP

Security Function

Default : ON

Press **[P•SET∧]** or **[P•SET∨]** / **[∧]** or **[∨]** to select

S·LED

<Function Setting>

[BAND] (Set)

[SEL] (Menu)

[∧] [∨]
(Select)

[DISP] (Return)
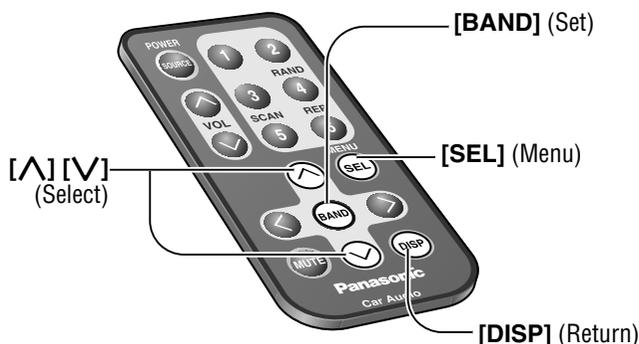
Notes:
- Operations except setting should be performed after returning to the mode display.
- If no keys have been pressed for more than 15 seconds, the display returns to the previous one after changing to the menu display.
- Press **[DISP]** to return to the regular mode.

Press **[BAND]** to switch between mute or attenuator in turn.

| MUTE | : No sound |
| ATT | : Decrease to 1/10 |

Press **[BAND]** to change the volume level of the sound source as shown.

Lv 0	: No sound
Lv 1	: Decrease to 1/30
Lv 2	: Decrease to 1/10
OFF	: Unchanged

Note: The setting state of the Navi Mute is displayed when the voice guidance is used (except when the setting state is OFF).

MUTING LV.0

Press **[BAND]** to activate the function or inactivate it in turn.

| ON | : External input (AUX-IN) is selectable as a source. |
| OFF | : External input (AUX-IN) is not selectable as a source. |

With AUX-IN set to OFF, AUX-IN will not be selected when **[SOURCE]** is pressed.(➡ page 12 about source selection)

Press **[BAND]** to switch the beep on or off in turn.

| ON | : Operation sound is heard when pressing buttons. |
| OFF | : No sound |

Press **[BAND]** to activate the function or inactivate it in turn.

| ON | : Security function is active. |
| OFF | : Security function is inactive. |

PLEASE REMOVE
PANEL AND SD CARD

Security Function

When the key in the ignition is turned OFF.
- Security message will be displayed.
- The panel removal and SD Memory Card removal alarm will be active.

When the front panel is removed.
- The security indicator blinks. (➡ page 45)

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CQ-SRX7000U

About SD

The SD player in this unit is only for playing.

The player supports only SD Memory Cards on which SD audio-formatted-sound-data is written in AAC or MP3 method. (You can neither format the card nor record / delete data on the card.)

Because Panasonic SD Audio Player (SV-SD75) are equipped with a SD Memory Card and other items that are required to write music data on the card except a personal computer, you can use those.

(Accessories supplied to SV-SD75)
- **SD Memory Card, 64 MB**
- **Software* "RealJukebox for Panasonic" (in the CD-ROM, Panasonic Media Manager V2)**
- **USB reader/writer device**
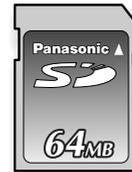
Refer to the operating instructions for Panasonic SD Audio Player and accessories described above and the online help, in addition.

* This is a software that can copy data from a music CD or MP3 to an SD Memory Card via the hard disc. This software allows you to change or input a list name, a title, artist and so on.

Ask Panasonic Servicenter for dealer location or visit our web site www.panasonic.com/sd.

Notes:
- Use the only SD Memory Cards that are supplied with Panasonic SD Audio Player or are specified in the operating instructions for Panasonic SD Audio Player. Other SD Memory Cards that are not recommended may not be used.
- Use the software, what is called "RealJukebox for Panasonic", supplied with Panasonic SD Audio Player for writing music data on a card.

This unit may not read music data that are written by the use of a software other than RealJukebox for Panasonic.

Written Data

- Music data that are not supported by SD Audio Standard V1.0 may not be readable.
- We do not compensate users for damaged or deleted data due to the defects of this unit or a personal computer, the electrostatic influence or the electrical noise influence on a SD Memory Card, and etc. Panasonic assumes no responsibility for problems resulting from the damaged or deleted data.

CQ-SRX7000U

❏ Terms for SD

AAC
is an abbreviation for "Advanced Audio Coding". This is one of the audio compression methods and applied in the picture compression standard, "MPEG-2" or "MPEG-4". AAC can reproduce higher tones compared to MP3 by covering a wide sound range.

MP3
is an abbreviation for "MPEG-1 Audio Layer-3". This is one of the audio compression methods and applied in the picture compression standard, "MPEG-1".

SD Memory Card
SD is an abbreviation for "Secure Digital". This is a recording medium that features a function of protecting copyright, compact, lightweight, large capacity and high-speed writing. This medium can record pictures, music, and so on.

> **Be sure to use a SD Memory Card that has less than 64 megabytes of memory.**

The following cards can not be accepted.
- Memory card except SD (such as multimedia card)
- Card that has data compressed by other than AAC or MP3
- Card that has other than SD audio data
- Card that has not been formatted (unformatted card)
- Card that contains no data (blank card)

SD audio player
is an exclusive player for SD Memory Cards that received data from CDs or digital contents delivered through the internet in the future.

Play list
has the following two types.
- **Default play list**
is an all-track list i.e. a mass of all music data recorded in a personal computer or saved in a SD Memory Card (up to 999 tracks).
- **Play list**
is a grouped list. You can make a play list by selecting your favorite music (up to 99 tracks) or you can make it from the list saved in an SD Memory Card.

Music list
is a list which shows tracks in the SD Memory Card or in the play list (when play list is played by this unit).

All music data recorded in a personal computer

All music data are checked out in an SD memory card

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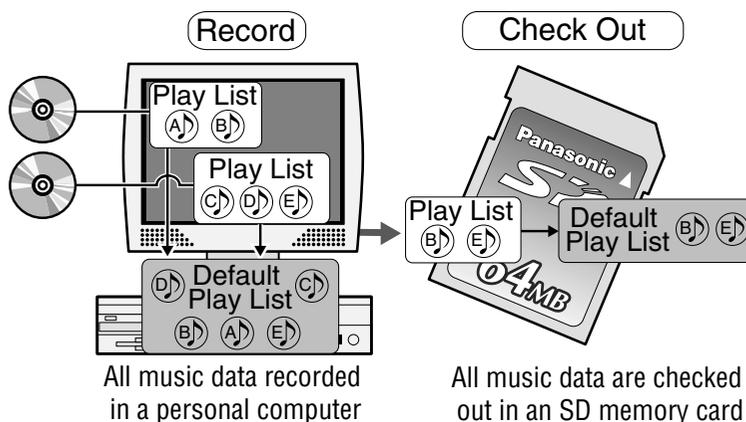
Installation Guide

⚡ **WARNING**

This installation information is designed for experienced installers and is not intended for non-technical individuals. It does not contain warnings or cautions of potential dangers involved in attempting to install this product.

Any attempt to install this product in a motor car by anyone other than qualified installer could cause damage to the electrical system and could result in serious personal injury or death.

❏ Overview

This product should be installed by a professional. However, if you plan to install this product yourself, your first step is to decide where to install it. The instructions in these pages will guide you through the remaining steps: **(Please refer to the "WARN-ING" statement above)**.

- Identify and label the car wires.
- Connect the car wires to the wires of the power connector.
- Install the unit in the dashboard.
- Check the operation of the unit.

If you encounter problems, please consult your nearest professional installer.

Caution: This unit operates with a 12 volt DC negative ground auto battery system only. Do not attempt to use it in any other system. Doing so could cause serious damage.

Before you begin installation, look for the items on the right which are packed with your unit.

- **Warranty Card** …… Fill this out promptly.
- **Panasonic Servicenter for Service Directory** …… Keep for future reference in case the product needs servicing.
- **Installation Hardware** …… Needed for in-dash installation

❏ Installation Hardware

No.	Item	Diagram	Q'ty
①	Mounting Collar		1
②	Mounting Bolt (5 mmø)		1
③	Power Connector		1
④	Removable Face Plate Case		1
⑤	Trim Plate		1
⑥	Rear support strap		1
⑦	Tapping screw		1
⑧	Hex. Nut		1

❏ Required Tools

You'll need a screwdriver, a 1.5 volt AA battery, and the following:

12 V DC Test Bulb	Electrical Tape	Side-Cut Pliers

❏ Dashboard Specifications

Thickness
MIN. 3/16" (4.75 mm)
MAX. 7/32" (5.56 mm)

2-3/32" (53 mm)

7-5/32" (182 mm)
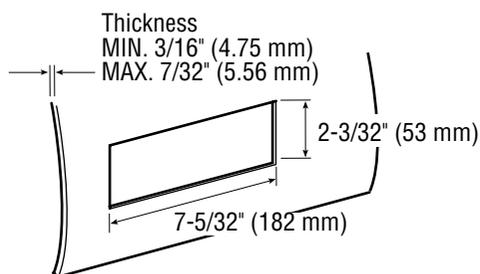
❏ Identify All Leads

The first step in installation is to identify all the car wires you'll use when hooking up your sound system.

As you identify each wire, we suggest that you label it using masking tape and a permanent marker. This will help avoid confusion when making connections later.

Note: Do not connect the power connector to the stereo unit until you have made all connections. If there are no plastic caps on the stereo hooking wires, insulate all exposed leads with electrical tape until you are ready to use them. Identify the leads in the following order.

Power Lead

If your car has a radio or is pre-wired for one :
Cut the connector wires one at a time from the plug (leaving the leads as long as possible) so that you can work with individual leads.
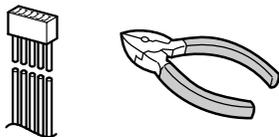
Turn the ignition on to the accessory position, and ground one lead of the test bulb to the chassis.

Touch the other lead of the test bulb to each of the exposed wires from the cut radio connector plug. Touch one wire at a time until you find the outlet that causes the test bulb to light.

Now turn the ignition off and then on. If the bulb also turns off and on, that outlet is the car power lead.

If your car is not wired for an audio unit :
Go to the fuse block and find the fuse port for radio (RADIO), accessory (ACC), or ignition (IGN).

Battery Lead

If your stereo unit has a yellow lead, you will need to locate the car's battery lead. Otherwise you may ignore this procedure. (The yellow battery lead provides continuous power to maintain a clock, memory storage, or other function.)

If your car has a radio or is pre-wired for one:
With the ignition and headlights off, identify the car battery lead by grounding one lead of the test bulb to the chassis and checking the remaining exposed wires from the cut radio connector plug.

If your car is not wired for an audio unit :
Go to the fuse block and find the fuse port for the battery, usually marked BAT.

Speakers

Identify the car speaker leads. There will be two leads for each speaker, usually color coded.
A handy way to identify the speaker leads and the speaker they connect with is to test the leads using a 1.5 V AA battery as follows.
Hold one lead against one pole of the battery and stroke the other lead across the other pole. You will hear a scraping sound in a speaker if you are holding a speaker lead.
If not, keep testing different lead combinations until you have located all the speaker leads. When you label them, include the speaker location for each.

Antenna Motor

If your car is equipped with an automatic power antenna, identify the car motor antenna lead by connecting one bulb tester lead to the car battery lead and touching the remaining exposed wires from the cut radio connector plug one at a time. You will hear the antenna motor activate when you touch the correct wire.

Antenna

The antenna lead is a thick, black wire with a metal plug at the end.

❏ Connect All Leads

Now that you have identified all the wires in the car, you're ready to begin connecting them to the stereo unit wires. The connection diagram (➡ Page 46) shows the proper connections and color coding of the leads.
We strongly recommend that you test the unit before making a final installation.

Download from Www.Somanuals.com. All Manuals Search An **CQ-SRX7000U**

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Installation Guide (continued)

You can set the unit on the floor and make temporary connections to test the unit. Use electrical tape to cover all exposed wires.

Important: Connect the red power lead last, after you have made and insulated all other connections.

Ground
Connect the black ground lead of the power connector to the metal car chassis.

Speakers
Connect the speaker wires. See the wiring diagram for the proper hookups. Follow the diagram carefully to avoid damaging the speakers and the stereo unit.

The speaker used must be able to handle more than 45 W of audio power. If using an optional audio power, the speakers should be able to handle the maximum amplifier output power. Speakers with low input ratings can be damaged.

Speaker impedance should measure 4 - 8 Ω, which is typically marked on most speakers. Lower or higher impedance speakers will affect output and can cause both speaker and stereo unit damage.

Caution: Never ground the speaker cords. For example, do not use a chassis ground system or a three-wire speaker common system. Each speaker must be connected separately using parallel insulated wires. If in doubt about how your car's speakers are wired, please consult with your nearest professional installer.

Motor Antenna
Connect the car motor antenna lead to the blue motor antenna relay control lead.

Battery
Connect the yellow battery lead to the correct radio wire or to the battery fuse port on the fuse block.

Antenna
Connect the antenna by plugging the antenna lead into the antenna receptacle.

Equipment
Connect any optional equipment such as an amplifier, according to the instructions furnished with the equipment. Leave about 12 inches (30 cm) of distance between the speaker leads/amplifier unit and

the antenna/antenna extension cord. Read the operating and installation instructions of any equipment you will connect to this unit.

Power
Connect the red power lead to the correct car radio wire or to the appropriate fuse port on the fuse block.
If the stereo unit functions properly with all these connections made, disconnect the wires and proceed to the final installation.

❏ Final Installation
Lead Connections
Connect all wires, making sure that each connection is insulated and secure. Bundle all loose wires and fasten them with tape so they will not fall down later. Now insert the stereo unit into the mounting collar.

Congratulations! After making a few final checks, you're ready to enjoy your new auto stereo system.

❏ Final Checks
1. Make sure that all wires are properly connected and insulated.
2. Make sure that the stereo unit is securely held in the mounting collar.
3. Turn on the ignition to check the unit for proper operation.

If you have difficulties, consult your nearest authorized professional installer for assistance.

❏ Precautions
- Disconnect the cable from the negative ⊖ battery terminal (see caution below).
- Unit should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°.
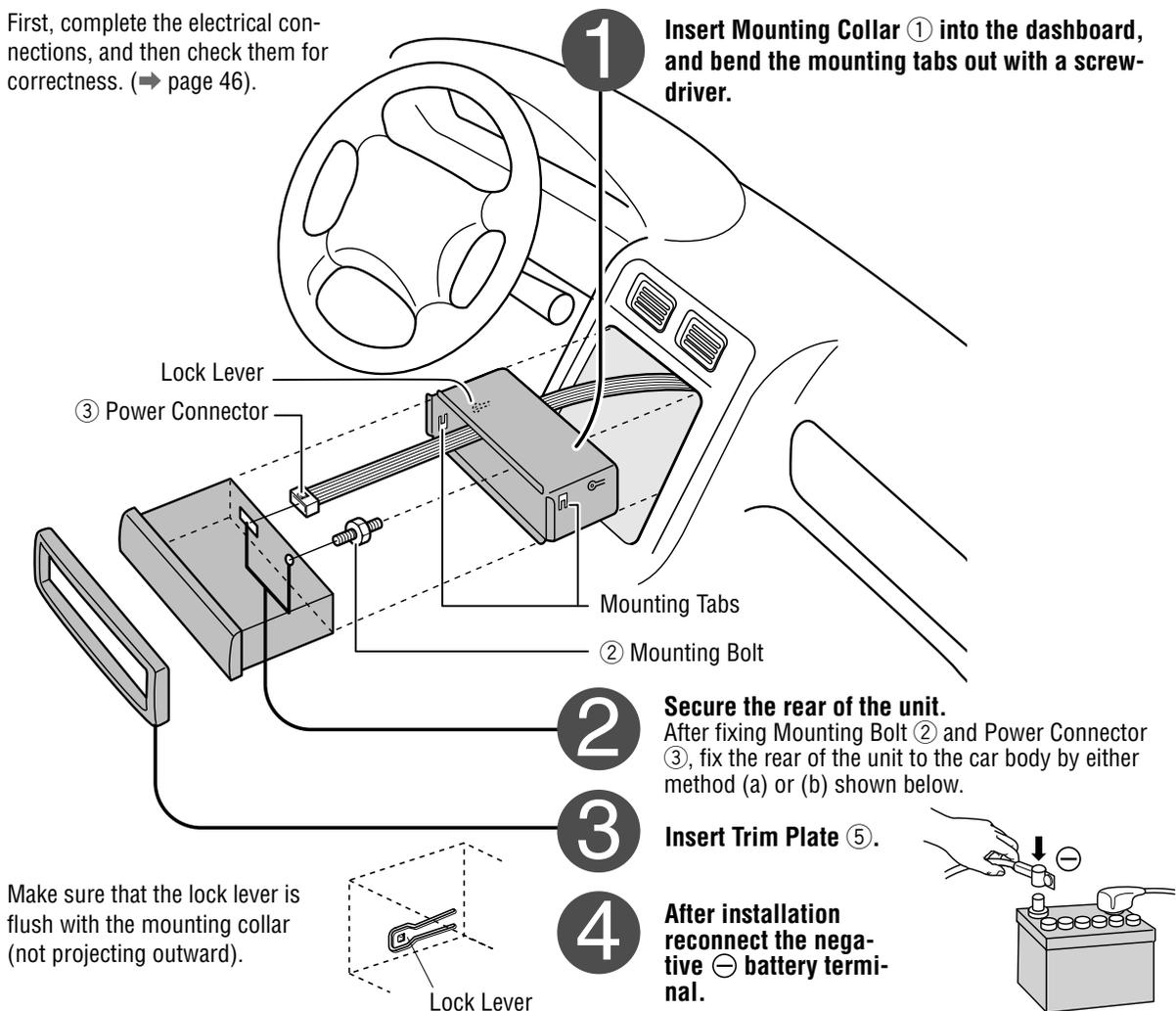

less than 30°
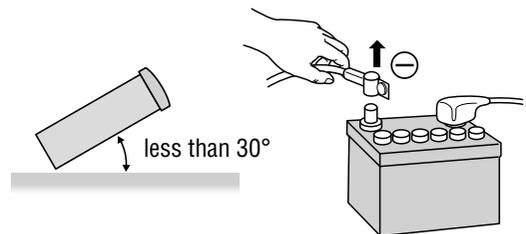
Caution : Do not disconnect the battery terminals of a car with trip or navigational computer since all user settings stored in memory will be lost. Instead take extra care with installing the unit to prevent shorts.
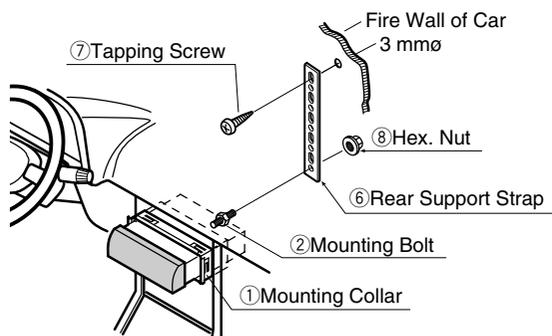
● We strongly recommend that you wear gloves for installation work to protect yourself from injuries.
● When bending the mounting tab of the mounting collar with a screwdriver, be careful not to injure your hands and fingers.
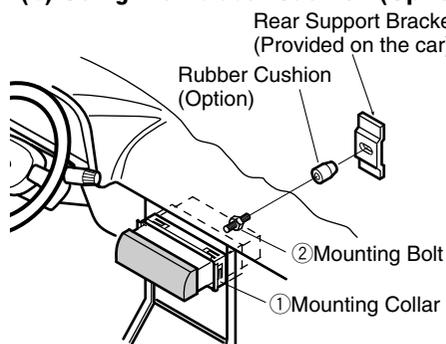
❏ **Installation Procedures**

First, complete the electrical connections, and then check them for correctness. (➡ page 46).

1 **Insert Mounting Collar ① into the dashboard, and bend the mounting tabs out with a screwdriver.**

Lock Lever

③ Power Connector

Mounting Tabs

② Mounting Bolt

2 **Secure the rear of the unit.**
After fixing Mounting Bolt ② and Power Connector ③, fix the rear of the unit to the car body by either method (a) or (b) shown below.

3 **Insert Trim Plate ⑤.**

Make sure that the lock lever is flush with the mounting collar (not projecting outward).

Lock Lever

4 **After installation reconnect the negative ⊖ battery terminal.**

(a) Using the Rear Support Strap ⑥

⑦Tapping Screw

Fire Wall of Car 3 mmø

⑧Hex. Nut

⑥Rear Support Strap

②Mounting Bolt

①Mounting Collar

(b) Using the Rubber Cushion (Option)

Rear Support Bracket (Provided on the car)

Rubber Cushion (Option)

②Mounting Bolt

①Mounting Collar
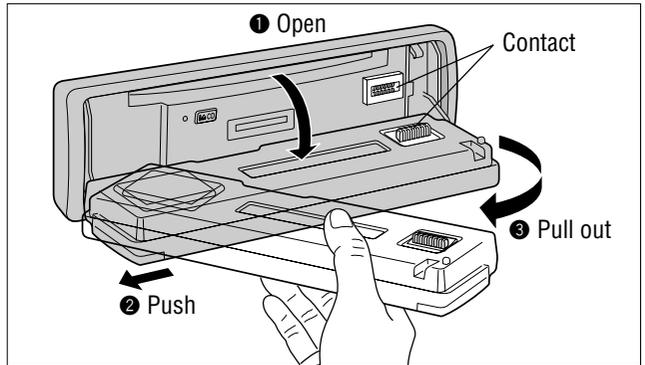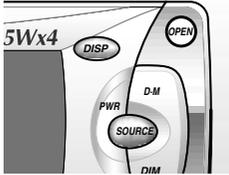
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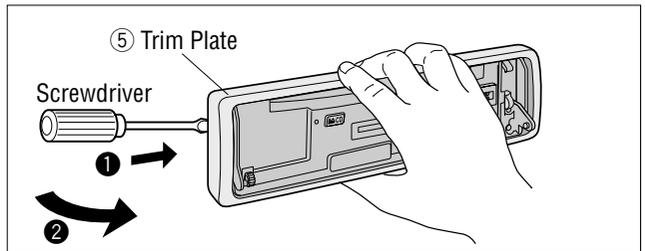# Installation Guide (continued)

To Remove the Unit

Switch off the power of the unit.

1 Remove the removable face plate.

❶ Press **[OPEN]**. The removable face plate will be opened.
❷ Push the face plate to either the right or left.
❸ Pull it out toward you.

❶ Open   Contact

❸ Pull out

❷ Push

2 Remove the Trim Plate ⑤ with a screwdriver.

⑤ Trim Plate

Screwdriver

❶

❷

3 Pull out the unit while pushing down the lock lever with a screwdriver.

Lock Lever

Screwdriver
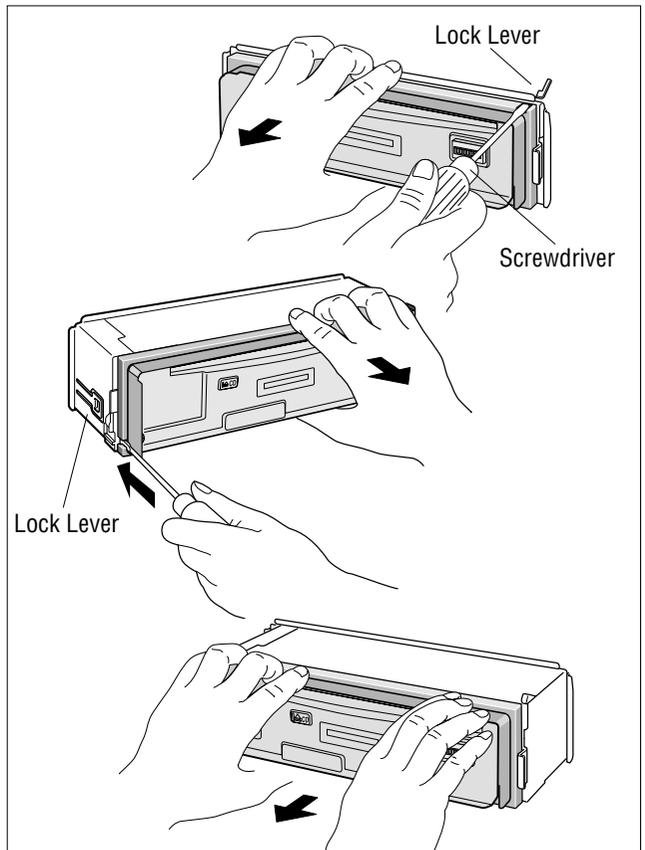
4 Remove the unit pulling with both hands.

Lock Lever

CQ-SRX7000U

Anti-Theft System

This unit is equipped with a removable face plate. Removing this face plate makes the radio totally inoperable. The security indicator will blink.
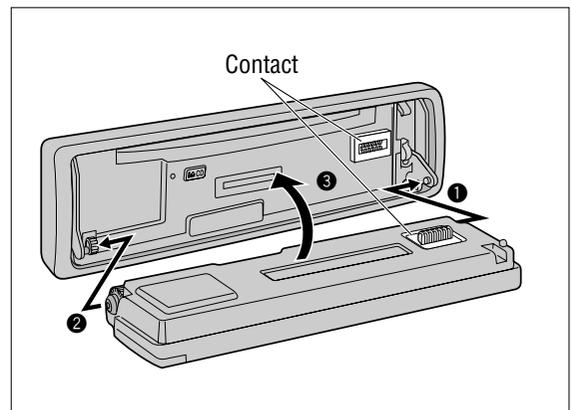
Place Removable Face Plate into Case

❶ Switch off the power of the unit.

❷ Remove the removable face plate.
(➡ Page 44)

❸ Gently press the bottom of the case and open the cover. Place the face plate into the case and take it with you when you leave the car.

④ Removable Face Plate Case
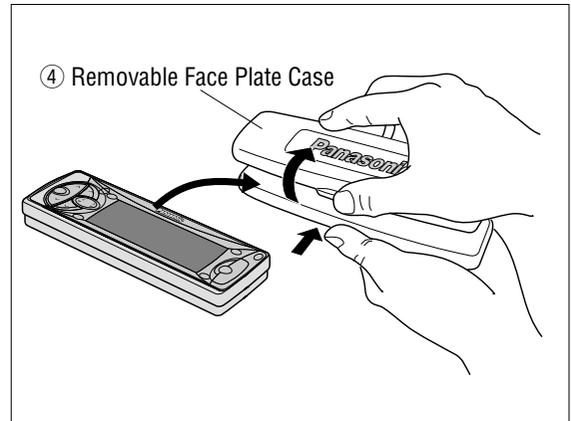
Install Removable Face Plate

❶ Fit the face plate with its right or left hole on one of the pins provided on the main unit.
❷ Fit the other hold on the other pin applying slight pressure.
❸ Move the face plate up and down a few times to make sure it is secure. Then close the front panel and press down the right side of the face plate until it clicks into plate.

Contact

Security Indicator

The security indicator blinks when the removable face plate is removed from the unit.

Activate the security function in the FUNCTION menu display. (➡ Page 36)

Panel Removal Alarm

This alarm sounds to warn you not to forget to remove the panel before leaving your car. This function is activated when the security indicator is on.

Security Indicator
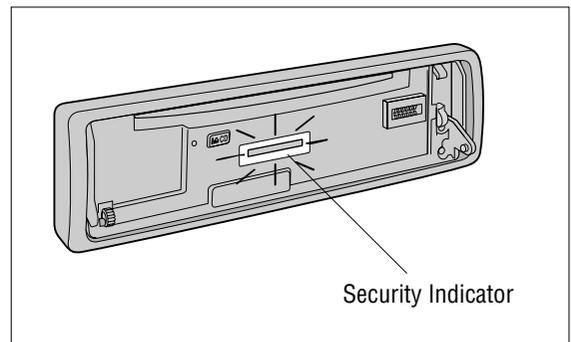
Cautions:
- This face plate is not waterproof. Do not expose it to water or excessive moisture.
- Do not remove the face plate while driving your car.
- Do not place the face plate on the dashboard or nearby areas where the temperature rises to high levels.
- Do not touch the contacts on the face plate or on the main unit, since this may result in poor electrical contacts.
- If dirt or other foreign substances get on the contacts, wipe them off with clean and dry cloth.
- To avoid damaging the front panel, do not push it down or place objects on it while it is open.

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Electrical Connections

Cautions:
- This product is designed to operate off a 12 volt, negative ground battery system.
- To prevent damage to the unit, be sure to follow the connection diagram bellow.
- Remove approx. 1/4" (5 mm) of protective covering from the ends of the leads before connecting.
- Do not insert the power connector into the unit until the wiring is completed.
- Be sure to insulate any exposed wires from a possible short-circuit from the car chassis. Bundle all cables and keep cable terminals free from touching any metal parts.
- Remember, if your car has a drive computer or a navigation computer, the data of its memory may be erased when the battery terminals are disconnected.

Supplied hardware

No.	Item	Q'ty
③	Power Connector	1

❏ **Wiring Diagram**

**SD/CD Receiver
CQ-SRX7000U
(Rear)**

Antenna

CD Changer
Control
Connector

③ **Power Connector**

Navi Mute Lead
Connect to the Navi Mute Lead of the Panasonic car navigation system (not available yet).
Note: Insulate the Navi Mute Lead with vinyl tape when you do not connect it.

NAVI MUTE
(Orange)

Antenna Control Cord
To the auto antenna control power cord of the car

ANT-CONT MAX 0.1A
(Blue)

Illumination Lead
To the power line connected to the side marker lights of the car

ILLUMINATION
(Orange / white stripe)

Dual CD Changer Control Lead (not used)
Note: Insulate the Dual CD Changer Control Lead with vinyl tape.

TWIN CD-C-CONT
(Brown / white stripe)

External Amplifier Control Power Lead
To an external amplifier

AMP-CONT MAX 0.1A
(Blue / white stripe)

ACC Power Lead
To ACC power, +12V DC

ACC
(Red)　Resistor (1kΩ)

Battery Lead
To the car battery, continuous +12V DC

BATTERY 10A
(Yellow)　Fuse (10A)

Ground Lead
To a clean, bare metallic part of the car chassis

(Black)
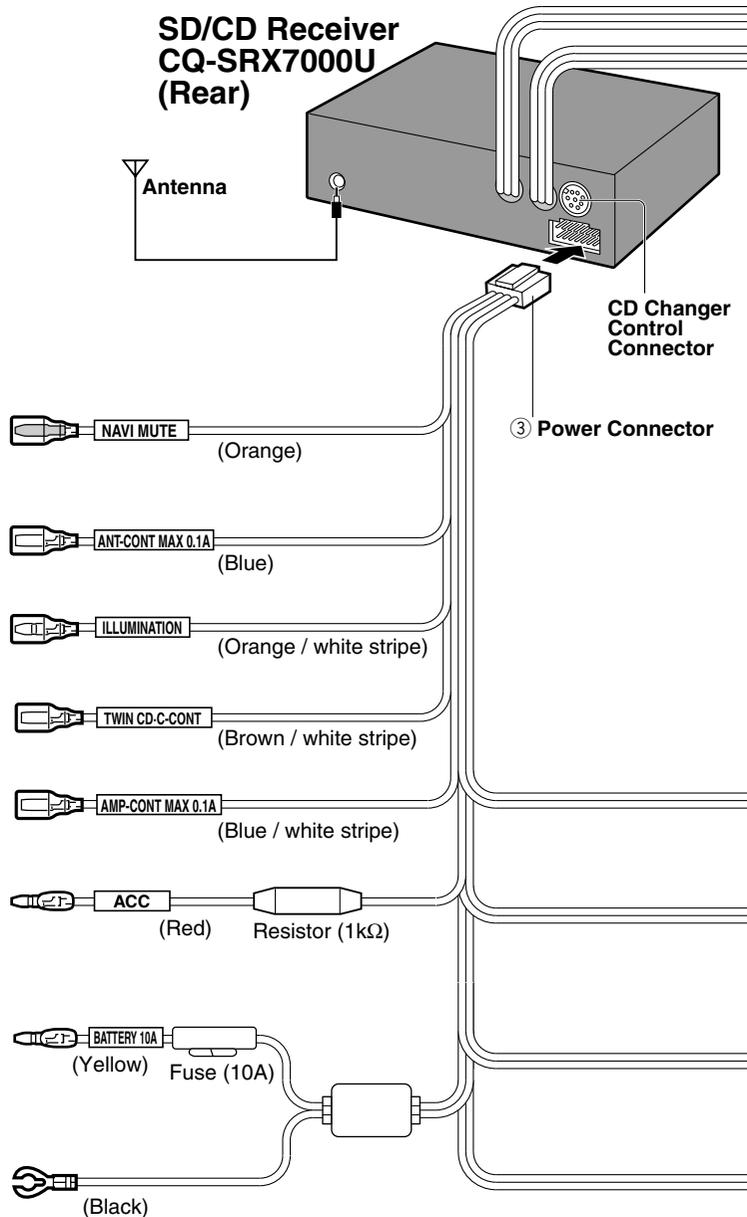
Note: If your car does not have a power line connected to the side marker lights of the car, leave the illumination lead disconnected.

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CH.C-IN ── (R) (Red)
── (L) (White)
CD Changer Input Cord

CENTER ── (L)(White) **Preout Cord** (Center)

AUX-IN ── (R) (Red)
── (L) (White)
AUX Input Cord

FRONT ── (R) (Red)
── (L) (White)
Preout Cord (Front)

REAR ── (R) (Red)
── (L) (White)
Preout Cord (Rear)

S·W·OUT ── (Red)
── (White)
Sub-Woofer Cord

Front Speaker Lead (Left)
FRONT L
(White) ⊕ (Left)
(White / black stripe) ⊖
To Front Speaker

Front Speaker Lead (Right)
FRONT R
(Gray) ⊕ (Right)
(Gray / black stripe) ⊖

Rear Speaker Lead (Left)
REAR L
(Green) ⊕ (Left)
(Green / black stripe) ⊖
To Rear Speaker

Rear Speaker Lead (Right)
REAR R
(Violet) ⊕ (Right)
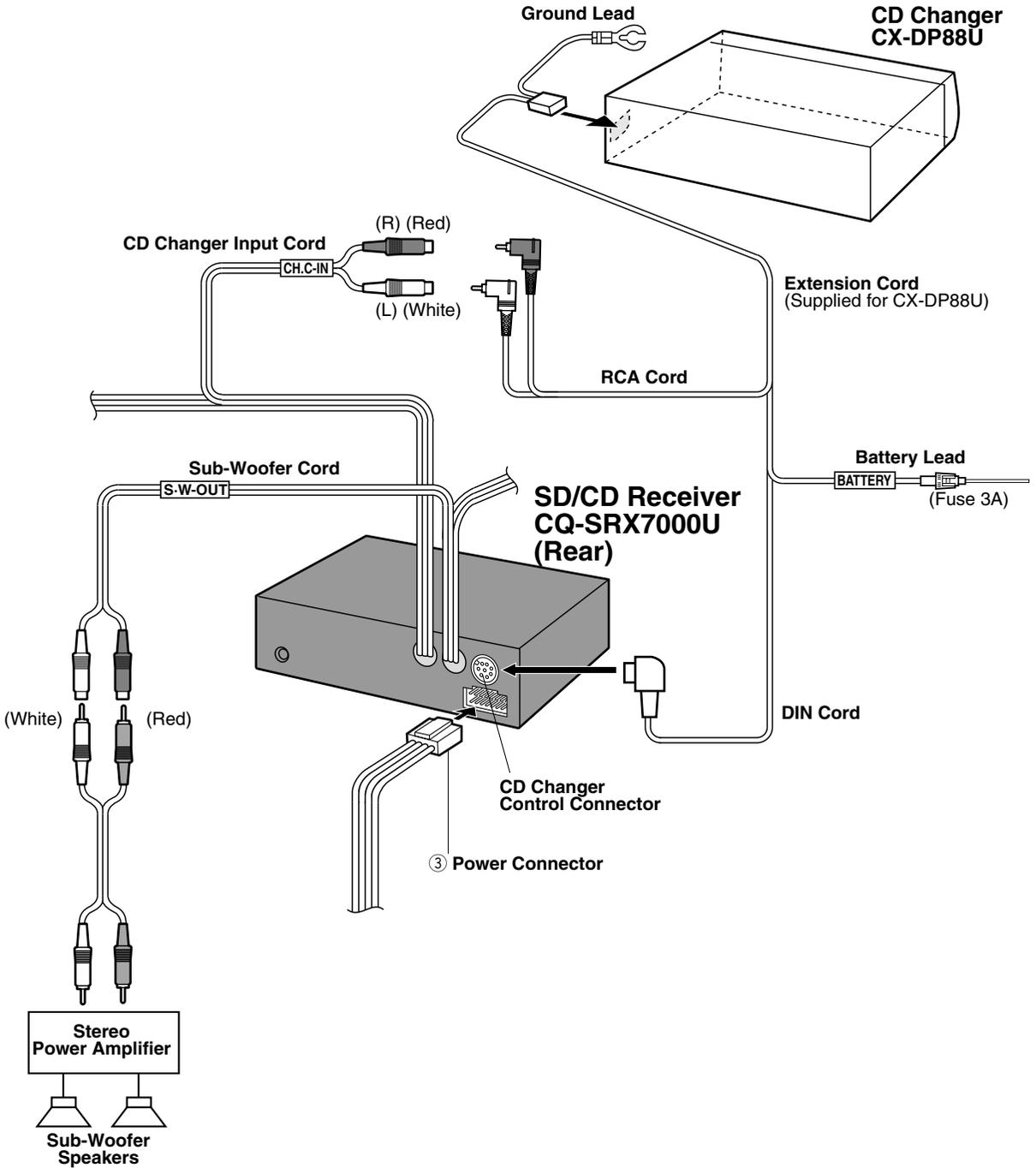(Violet / black stripe) ⊖

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Electrical Connections (continued)

System Upgrade Example

Combination : CD changer (CX-DP88U)
Note : For wiring, carefully read the operating instructions for the devices connected.

Ground Lead

**CD Changer
CX-DP88U**

CD Changer Input Cord

(R) (Red)

CH.C-IN

(L) (White)

Extension Cord
(Supplied for CX-DP88U)

RCA Cord

Battery Lead

BATTERY

(Fuse 3A)

Sub-Woofer Cord

S·W-OUT

**SD/CD Receiver
CQ-SRX7000U
(Rear)**

(White)   (Red)

DIN Cord

**CD Changer
Control Connector**

③ **Power Connector**

**Stereo
Power Amplifier**

**Sub-Woofer
Speakers**

Troubleshooting

Preliminary Steps

Check and take steps as described in the tables below.

If You Suspect Something Wrong

Immediately switch power off.

Disconnect the power cable and check that there is neither smoke nor heat from the unit before asking for repairs. Never try to repair the unit yourself because it is dangerous to do so.

Cautions:
- Do not use the unit if it malfunctions or is something is wrong.
- Do not use the unit in an irregular condition, for example, without sound, or with smoke or foul smell, which can cause ignition or electric shock. Immediately stop using the unit and call the store where you purchased it.

■ Common

Problem	Possible cause / Possible solution
No power	Car's engine switch is not on. ➡ **Turn your car's ignition switch to ACC or ON.**
	Cables are not correctly connected. ➡ **Connect cables correctly.**
	Battery cable is not correctly connected. ➡ **Connect the battery cable to the terminal that is always live.**
	Accessory cable is not correctly connected. ➡ **Connect the accessory cable to your car's ACC source.**
	Grounding wire is not correctly connected. ➡ **Connect the grounding wire to a metal part of your car.**
	Fuse is burnt. ➡ **Call the store where you purchased the unit, or your nearest Panasonic Servicenter (see the attached sheet) and ask for fuse replacement.**
No sound	Mute is set to ON. ➡ **Set it to OFF.**
	Cables are not correctly connected. ➡ **Connect cables correctly.**
	Condensation (dew) ➡ **Wait for a while before use.**
Only sound, no display	The display is set to OFF. ➡ **Press [DISP] to change the display.**
Noise	A mobile phone is used near the unit. ➡ **Keep the mobile phone away from the unit.**
Buttons unusable (each source operation)	Menu mode is displayed. ➡ **Press [DISP] to return to the regular mode.**

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Troubleshooting (continued)

■ Radio

Problem	Possible cause / Possible solution
Much noise in FM stereo and monaural broadcasts	Station is too far, or signals are too weak. ➡ **Select other stations of higher signal level.**
	The radio antenna is not extended enough. ➡ **Extend the radio antenna enough.**
Preset station is reset.	Battery cable is not correctly connected. ➡ **Connect the battery cable to the terminal that is always live.**

■ CD

Problem	Possible cause / Possible solution
CD is in the CD compartment but no sound is made, or CD is ejected automatically.	CD is upside down. ➡ **Place CD in the correct direction with the label side up.**
	CD is dirty. ➡ **Clean CD, referring to the section on Notes on CD.**
	CD-R on which sound is not recorded is used. ➡ **Use a CD-R disc on which sound is recorded.**
CD sound skips, tone quality is low.	CD is dirty. ➡ **Clean CD, referring to the section on Notes on CD.**
Sound skip due to vibration	Mounting angle is over 30 degrees. ➡ **Adjust mounting angle to less than 30 degrees.**
	Instable mounting. ➡ **Mount the unit securely with the mounting parts, referring to the section on Installation.**
CD is not ejected.	● CD is defective. ● Mechanical trouble. ➡ **Open the panel and press [⏏CD]. If failure persists, press the reset switch. If normal operation is not restored, call the store where you purchased the unit or the nearest Panasonic Servicenter to ask for repairs.**

■ SD

Problem	Possible cause / Possible solution
SD Memory Card is loaded but no sound.	An SD Memory Card is loaded upside down or in the wrong direction. ➡ **Load the SD Memory Card in a correctly.**
	The SD Memory Card has no sound. ➡ **Load an SD Memory Card on which sound is recorded.**
"0'00" is displayed and no sound.	Recorded music data is not applied for SD Audio Standard V1.0. ➡ **Select other track (or play list).**

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■ Sound Setting

Problem	Possible cause / Possible solution
No sound from left, right, front, or rear speaker	Left and right balance, or front and rear balance is off on one side. ➡**Adjust BAL/FAD as appropriate.**
	Cables are not correctly connected. ➡**Connect the cables correctly.**
Left and right sounds are reversed in stereo listening.	The right speaker wire is connected to the left speaker and the left speaker wire to the right speaker. ➡**Connect the speaker wires to the correct one.**
No sound from center speaker (Option)	Center speaker volume is set to – ∞. ➡**Set center speaker volume to other than – ∞.**
Only bass or monaural sound from rear speaker	SBC-SW is set to ON. ➡**Set SBC-SW to OFF.**
No sound from rear speaker preout (rear)	SBC-SW is set to ON and DDBC volume to – ∞. ➡**Set DDBC volume to other than – ∞.**
No sound from the pre-out <sub-woofer output>	DDBC volume is set to – ∞. ➡**Set DDBC volume to other than – ∞.**

■ Remote Control

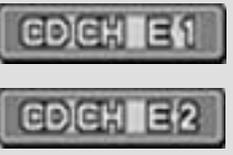| Problem	Possible cause / Possible solution
Buttons are invalid for operation.	Battery polarities (+) (–) are reversed. ➡**Insert the batteries correctly.**
	Wrong batteries ➡**Check the batteries.**
	Batteries have run down. ➡**Replace the batteries.**
	Remote control is in the wrong direction. ➡**Direct the remote controller at REMOTE (sensor) on the panel.**

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Troubleshooting (continued)

Error Display Messages

■ CD

Display	Possible cause / Possible solution

CD E1 → Disc is dirty, or is upside down.

CD E2 → Disc has scratches.

CD E3 → No operation by some cause

↓ After 5 seconds

PLEASE EJECT → **Open the panel and press [▲CD].**
- **Check disc.**
- **Load the disc again.**

↓ After 5 seconds

Return to previous mode

■ Changer

Display	Possible cause / Possible solution

CD CH E1 → Disc is dirty, or is upside down.

CD CH E2 → Disc has scratches.
→Press [▲] to eject the magazine.
- **Check disc.**
- **Load the disc again.**

To next disc automatically

CD CH E3 → No operation by some cause
→Press [▲] to eject the magazine. If failure persists, press the reset switch. If normal operation is not restored, call the store where you purchased the unit or the nearest Panasonic Servicenter to ask for repairs.
The display continues if the power is not turned off automatically.

⟶ **Return to previous mode**

NO DISC → No disc is in the CD changer (magazine).
→Insert discs into the changer (magazine).

Notes:
- There may be cases where the disc numbers affected by an error are displayed before E1 and E2.
- Displays and the steps to be taken for errors vary in part from changer to changer. For details, refer to the Operating Instructions for the changer used.

■ SD

Display	Possible cause / Possible solution

NO TRACK

When there is no music in a play list.
➡ **Select another play list and play it.**

ERROR

↓ After 5 seconds

SD PLEASE EJECT

An error occurs.
➡ **Load the card again.**

NOT SUPPORT

When the data is recorded by other than AAC compression method or MP3 compression method.
➡ **Play the track (or play list) which is recorded by AAC compression method or MP3 compression method only.**

NOT SD CARD

When other than SD Memory Card is loaded
When there is no data in the card
When the card is unformatted

NOT SD AUDIO

When the data is out of SD audio standard

ILLEGAL FORM

When the card is formatted illegally

LOCKED

When the data are locked in the card

ERROR!

Attestation error
The music data or folders in the SD Memory Card have been moved, changed their name or deleted by using Windows Explorer, etc.

➡ **Open the panel and eject the SD Memory Card.**
  ● **Check the card and data.**
  ● **Load the card again.**

After 5 seconds

SD PLEASE EJECT

■ PLAY LIST
△ 01-PLAY LIST 1
02-PLAY LIST 2
▽ 03-CAN'T READ

For some reason, the unit can not read the data.

Notes: Refer to the operating instructions and online help for the software "RealJukebox for Panasonic".

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Troubleshooting (continued)

Maintenance
Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

Product Servicing
If the suggestions in the charts do not solve the problem, we recommend that you take it to your nearest authorized Panasonic Servicenter. The product should be serviced only by a qualified technician.

Replacing the Fuse
Use fuses of the same specified rating (10 amps). Using different substitutes, or fuses with a higher rating, or connecting the product directly without a fuse, could cause a fire or damage to the stereo unit.
If the replacement fuse fails, contact your nearest Panasonic Servicenter for service.

Reset Switch
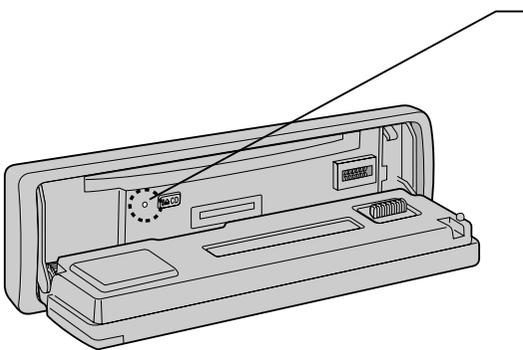
Reset switch
Insert a hard slender stick into the hole and push the switch.
● The unit returns to the default state when the trouble is reset. Remember, the data and settings stored in the memory are deleted.

Important
Push the switch only when the unit fails to operate with any buttons.
If the panel cannot be opened, or if the unit fails to return to normal condition, call the nearest service station and ask for repairs.

Maintenance

Cleaning this unit
Use a dry, soft cloth to wipe.

Caution on cleaning
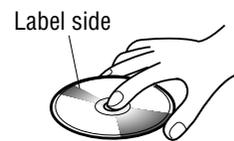Never use solvents such as benzine, thinner as they may mar the surface of the unit.

Notes on CD

ONLY USE DISCS CARRYING THE LABEL COMPACT disc DIGITAL AUDIO

How to hold the CD
● Do not touch the underside of the disc.
● Do not make scratches on the disc.
● Do not bend disc.
● When not in use, keep CD in the case.

Do not use irregularly shaped CDs.

Do not leave discs in the following places:
● Direct sunlight
● Near car heaters
● Dirty, dusty and damp areas
● Seats and dashboards
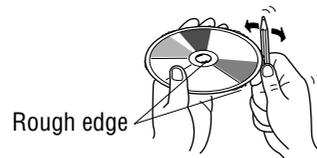
Disc Cleaning
Use a dry, soft cloth to wipe from the center outward.

Caution on New Discs
A new disc may have rough edges on its inner and outer perimeter. These may cause malfunction.

Remove the rough edges using a pencil, etc.

Label side

Do not use irregularly shaped CDs.

<Right> <Wrong>

Rough edge

Notes on CD-R Disc

A playable CD-R is only a CD-R disc on which sound was recorded.

● Some recorded CD-R discs by using CD recorder are not playable because of their characteristic, or scratches or dirt on the discs.
● You can not play a CD-R disc that has not been finalized.
● A CD-RW disc is not playable.
● MP3 file, video CD, CD-ROM and CD-EX disc are not playable.
● Be sure to observe the instructions of CD-R disc for handling it.
● Do not apply a disc that has a label printed by a commercially available label printer.

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Maintenance (continued)

Notes on SD Memory Card

Use SD Memory Cards on which music data were written by use of the software, "RealJukebox for Panasonic", and a personal computer that supports the software.

Cautions regarding handling
- Keep the SD Memory Card out of the reach of children to prevent them from swallowing it.
- Do not disassemble or alter a card.
- Do not drop, moisten, or shock a card.
- Do not bend a card.
- Do not touch the metal part of a card with your hand or metallic material.
- Do not take off a label. Do not stick a new label or seal on a card.

Do not use cracked or wrapped cards.

Cautions regarding custody
- Be sure to keep a card in a case when the card is not used.
- Do not leave a card in places where the temperature increases such as inside a car, a place in direct sunlight, near the heat vent or near the heating appliance.
- Do not leave a card in places where humidity is high, or a corrosive gas is generated.
- Do not leave a card in a dusty place.
- Be sure to remove a SD Memory Card from the unit if the unit is not used for a long time.

Cautions regarding stored data
- Set the write-protect switch to "LOCK". Unlock when recording or editing the card.
- When writing something in the memo space, use oil-based felt pen. A card might be damaged or stored data in a card might be destroyed if a pencil or a ballpoint are used.

Rear View — Write-protect Switch — Memo Space
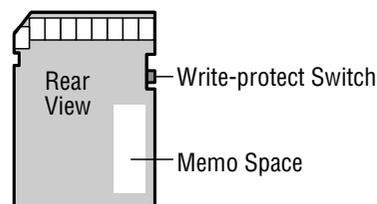
Panasonic will not accept responsibility for any data loss or loss directly or indirectly caused by data loss.

Specifications

General

Power Supply	:	DC 12 V (11 V - 16 V), test voltage 14.4 V, negative ground
Current Consumption	:	Less than 2.5 A (CD/SD mode, 0.5 W 4-speaker)
Rated Output	:	16 W x 4 ch (1 kHz, 1%, 4 Ω)
Maximum Power Output	:	45 W x 4
Compatible Speaker Impedance	:	4 Ω
External Input Impedance	:	10 kΩ (AUX IN)
External Input Sensitivity	:	Max. 2 V (AUX IN)
Pre-Amp Output Voltage	:	5 V
Center Speaker Output (Pre-Out)	:	2 Vrms
Pre-Amp Output Impedance	:	60 Ω
Sub-Woofer Output Voltage	:	5 V
Dimensions (W x H x D)	:	7" x 1-15/16" x 6-1/8" (178 x 50 x 155 mm)
Weight	:	3 lbs. 5 oz (1.5 kg)

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Specifications (continued)

DSP

Number of Channels	: 2 input channels, 6 output channels
Space mode	: 7 modes
Equalizer Center Frequency	: 80, 160, 320, 640, 1.6 k, 4 k, 10 k (Hz)
Variable Range of Equalizer	: −12 to +12 dB (13 steps)

FM Stereo Radio

Frequency Range	: 87.9 - 107.9 MHz
Usable Sensitivity	: 11.0 dBf. (1.25 µV, 75 Ω)
50 dB quieting sensitivity	: 15.2 dBf. (1.6 µV, 75 Ω)
Frequency Response	: 30 Hz – 15 kHz (± 3 dB)
Alternate channel sensitivity	: 75 dB
Stereo Separation	: 42 dB (at 1 kHz)
Image response ratio	: 75 dB
IF response ratio	: 100 dB
Signal / noise ratio	: 70 dB

AM Radio

Frequency Range	: 530 kHz - 1,710 kHz
Usable Sensitivity	: 28 dB/µV (25 µV, S/N 20 dB)

CD Player

Sampling Frequency	: 8 times oversampling
DA Converter	: MASH•1 bit/4 DAC System
Error Correction System	: Panasonic Super Decoding Algorithm
Pick-Up Type	: Astigma 3-beam
Light Source	: Semiconductor Laser
Wave Length	: 780 nm
Frequency Response	: 5 Hz - 20 kHz (±1 dB)
Signal to Noise Ratio	: 90 dB
Total Harmonic Distortion	: 0.01 % (1 kHz)
Wow and Flutter	: Below measurable limits
Channel Separation	: 70 dB

SD Player

Compression and decompression method	: AAC/MP3
Channel	: Stereo/2 channels
Frequency Response	: 20 Hz - 20 kHz (±1 dB)
Signal to Noise Ratio	: 90 dB (IHF, A)
Sampling Frequency	: 48k, 44.1k, 32k, 24k, 22.05k, 16k (Hz)
Bit Rate	: 192, 160, 128, 112, 96, 80, 64, 48, 32, 16 (kbps)

Above specifications comply with EIA standards.

Note : Specifications and the design are subject to modification without notice due to improvements in technology.

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