

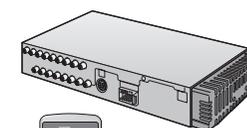


In-Dash 7" Widescreen Color LCD Monitor TV/DVD/SD Receiver  
Moniteur/télé couleur de tableau de bord à ÉCL de 7 po (grand-écran)/récepteur/lecteur DVD/SD

Reproductor de DVD con receptor SD y monitor LCD de TV en color de pantalla ancha de 7 pulgadas para el tablero de instrumentos



(CQ-VD7700U)



## CQ-VD7700U/VD7500U

### Operating Instructions Manuel d'instructions Manual de Instrucciones



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CQ-VD7700U



CQ-VD7500U

- Please read these instructions carefully before using this product and keep this manual for future reference.
- 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



## WARNING

- TO REDUCE THE RISK FOR FIRE OR ELECTRIC SHOCK AND ANNOYING INTERFERENCE, USE ONLY THE INCLUDED COMPONENTS.
- This unit operates with a 12 V DC negative ground auto battery system only. Do not attempt to use it any other system.
- Do not expose unit to direct sunlight or excessive heat.
- Keep out the SD-Card and batteries of reach of children.  
If swallowed, seek medical advice immediately.

### CAUTION!

THIS PRODUCT UTILIZES A CLASS I LASER. 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.

### CAUTION:

- PLEASE FOLLOW THE LAWS AND REGULATIONS OF YOUR STATE, PROVINCE OR COUNTRY FOR INSTALLATION OF THE UNIT.
- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPLIANCE TO RAIN, SPLASHING, DRIPPING OR MOISTURE.

The following applies only in the U.S.A.

### Part 15 of the FCC Rules

#### FCC Warning:

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

### NOTICE:

This product has a fluorescent lamp that contains a small amount of mercury. It also contains lead in some components. Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance:  
<<http://www.eiae.org>.>

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-VD7700U/VD7500U**

SERIAL NUMBER \_\_\_\_\_

DATE PURCHASED \_\_\_\_\_

FROM \_\_\_\_\_

# Consignes de sécurité



## MISE EN GARDE

- AFIN DE PRÉVENIR TOUT RISQUE D'INCENDIE OU D'INTERFÉRENCES, UTILISER UNIQUEMENT LES COMPOSANTS FOURNIS.
- Cet appareil ne peut fonctionner que sur une batterie de 12 V c.c. avec négatif à la masse. Ne tentez pas de l'utiliser avec une autre source d'alimentation. Cela pourrait causer de graves dommages.
- N'exposez pas l'unité à la lumière du soleil directe ou chaleur excessive.
- Gardez les cartes SD et les piles hors de portée des enfants.  
Si elle a été avalée, faites immédiatement appel à l'intervention d'un médecin.

### ATTENTION!

CET APPAREIL EST UN PRODUIT LASER DE LA CLASSE I.

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'ESSEYEZ PAS D'EFFECTUER VOUS-MÊME DES RÉPARATIONS. ADRESSEZ-VOUS À UN PERSONNEL QUALIFIÉ POUR TOUTE RÉPARATION.

### ATTENTION:

- OBSERVEZ LES LOIS ET RÈGLEMENTS DE VOTRE PROVINCE OU PAYS POUR L'INSTALLATION DE L'APPAREIL.

- AFIN DE LIMITER LES RISQUES D'INCENDIE OU D'ÉLECTROCUTION OU ENCORE D'ENDOMMAGEMENT DE L'APPAREIL, N'EXPOSEZ PAS CET APPAREIL À LA PLUIE, AUX ÉCLABOUSSURES D'EAU OU À L'HUMIDITÉ.

Il est recommandé de noter, dans l'espace prévu ci-dessous, les numéros de modèle et de série inscrits soit à l'arrière soit sous 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-VD7700U/VD7500U**

NUMÉRO DE SÉRIE \_\_\_\_\_

DATE DE L'ACHAT \_\_\_\_\_

VENDEUR \_\_\_\_\_

# Información para su seguridad



## ADVERTENCIA

- PARA EDUCIR EL RIESGO DE INCENDIOS O SACUDIDAS ELÉCTRICAS<sup><</sup> Y PARA EVITAR LAS INTERFERENCIAS MOLESTAS, UTILICE SOLAMENTE LOS COMPONENTES INCLUIDOS.

- Este unidad sólo funcionará con un sistema de batería de vehículo de 12 V CC con negativo a masa.

- No exponga la unidad a la luz directa del sol ni a calor excesivo.

- Mantenga las tarjetas SD y las pilas alejadas del alcance de los niños. Existe el peligro de que se la traguen. Si se la traga alguien, llévelo inmediatamente al médico.

### PRECAUCIÓN:

ÉSTE UN PRODUCTO LÁSER DE LA CLASE I. LA UTILIZACIÓN DE CONTROLES, EL HASER AJUSTES 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 PERARACIONES USTED MISMO. SOLICITE LOS TRABAJOS DE SERVICIO AL PERSONAL CUALIFICADO.

### PRECAUCIONES:

- RESPETE LAS LEYES Y REGULACIONES DE SU ESTADO, PROVINCIA O PAÍS PARA LA INSTALACIÓN DEL APARATO.

- PARA REDUCIR EL PELIGRO DE INCENDIOS Y DE DESCARGAS ELÉCTRICAS ASÍ COMO DE DAÑOS DEL PRODUCTO, NO LO EXPONGA A LA LLUVIA, A SALPICADURAS, CONDENSACIÓN DE AGUA NI HUMEDAD.

Lo siguiente se aplica solamente a los EE.UU.

### Parte 15 de los Reglamentos FCC

Advertencia FCC:  
Cualesquier cambios o modificaciones sin autorización a este equipo puede anular la autoridad del usuario para operar este dispositivo.

### AVISO:

Este producto contiene plomo en algunos componentes. La eliminación de estos materiales puede estar reglamentado en su comunidad debido a las consideraciones ambientales. Para informarse acerca de la eliminación o reciclaje comuníquese con las autoridades locales, o la Alianza de Industrias Electrónicas: <<http://www.eiae.org>.>

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-VD7700U/VD7500U**

NÚMERO DE SERIE \_\_\_\_\_

FECHA DE COMPRA \_\_\_\_\_

NOMBRE DE LA TIENDA \_\_\_\_\_

# Use This Product Safely

### WARNING:

**TO AVOID RISK OF SERIOUS INJURY OR POSSIBLE VIOLATION OF LAWS, DO NOT USE WHERE VISIBLE TO DRIVER FOR ANY PURPOSE OTHER THAN NAVIGATION OR USE WITH REAR VIEW CAMERA.**

#### When Driving

- The driver must not operate the color LCD (liquid crystal display) monitor. Operating the color LCD monitor may lead to carelessness and cause an accident. Stop your car in a safe location when operating the unit.
- The driver must not watch videos while driving. It may lead to carelessness and cause an accident.
- Keep the unit at an appropriate sound level. Driving with the sound at a level that prevents you from hearing sounds outside and around the car may cause an accident.

### CAUTION:

**Follow local rules and regulations for installing monitor and TV antenna.**

### When Car Washing

Do not expose the product, including the speakers and discs, 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 car. 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 V DC, 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.

### Protect the Software

When you leave the car, be sure to eject the disc and SD-card from this unit and remove them from the vehicle.

### 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.

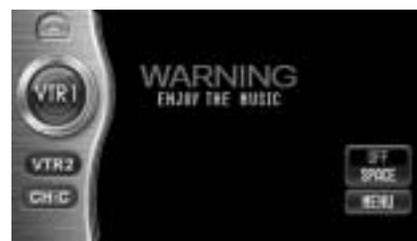
### For Installation

The product should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°. The user should bear in mind that in some areas there may be restrictions on how and where this unit must be installed. Consult your dealer for further details.

# Use This Product Safely (continued)

**This system is designed so that you cannot see moving pictures while you are driving.**

- Park your car in a safe and pull the side brake (parking brake) lever before watching the monitor.
- A rear monitor (option) displays moving pictures while driving.



**Note:** Be sure to connect the side brake (parking brake) connection lead. (→ Installation Instructions)

**Cautions:**

- Picture might not be displayed, or it might take more time than usual to display picture in low temperature. Also, movement of picture might become labored, or picture quality might deteriorate in low temperature. [practicable temperature: 32 °F to 104 °F (0 °C to 40 °C)]
- Do not press the Touch Panel with hard pointed sticks.
- In some cases, noise is generated. It depends on the position or direction of a mobile phone and CB transceiver, etc. Change the position or direction of the mobile phone and CB transceiver, etc. or keep them away from the unit.

## ID Code

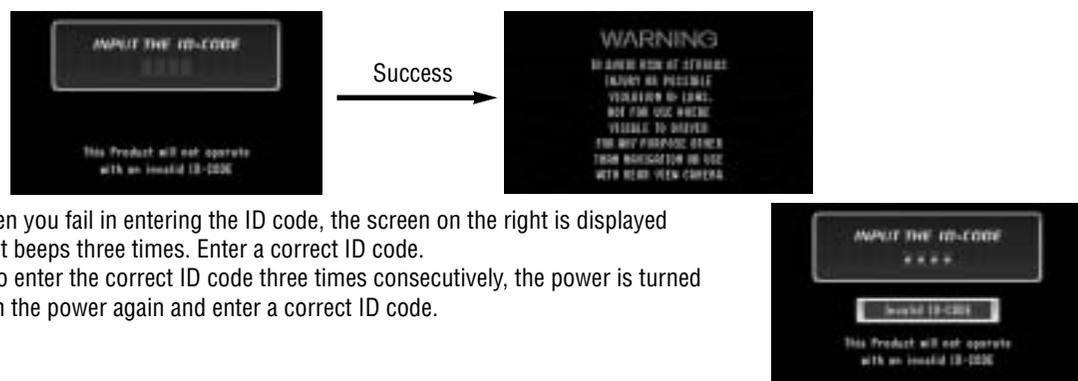
Prior to operating this unit, it is advisable to assign a 4-digit ID code for security. (Make sure to use **four digits** for ID code.) Once the ID code has been set, the unit cannot be operated if the main power supply is disconnected then re-connected. It is electronically locked so that a thief can not use the stolen unit unless that person knows the code you have set. The ID code operation must be performed only by the person to whom the unit belongs.

Generally, it is not necessary to enter the ID code each time when using the unit if it has never been disconnected from the main power supply (car battery). For the ID code setting procedures, **see page 57**.

**Caution:** Record your registered ID code and keep it in a secure location. If you forget it, you will be unable to use the unit. If you cannot operate the unit because you forgot the ID code, please consult your nearest Panasonic Servicenter.

## ID Code Input

Enter the ID code after turning on the power and activating the display.



**Note:** When you fail in entering the ID code, the screen on the right is displayed and the unit beeps three times. Enter a correct ID code. If you fail to enter the correct ID code three times consecutively, the power is turned off. Turn on the power again and enter a correct ID code.

*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.*

## Features

### Integration of the monitor, TV tuner, FM/AM radio, DVD Video/Audio player, Video CD player, CD/MP3 player and SD-card player

- A CD-R and a CD-RW that hold CD-DA data can be reproduced.
- A CD-ROM, a CD-R and a CD-RW that hold MP3 data can be reproduced.
- MP3 ID3Tag is supported.

### SD-card Player (→ page 50)

Equipped with 1 SD-Card Slot. You can play MPEG4 Videos, AAC Audios, JPEG still images and Voice(G.726) files on the SD-Cards. MP3 audio files on the SD-Card cannot be played. (However, MP3 files that were written with SD-Jukebox in order to use as an SD audio file are playable.)

### Built-in Dolby Digital decoder, DTS decoder, Dolby Pro Logic II decoder (only for CQ-VD7700U)

You can enjoy a powerful 5.1 channel surround system by connecting optional center speaker, power amplifier and sub-woofer.

### Built-in DSP (only for CQ-VD7700U) (→ page 72)

8 sound field (space) and Parametric equalizer.

### 7-inch wide LCD (Liquid Crystal Display) display

Delivers images of high quality and superb color reproduction.

### Optical digital output (Only for CQ-VD7500U)

Equipped with an optical digital output. You can realize the 5.1 channel surround system by connecting an optional digital surround processor to the output.

### GUI (Graphic User Interface) with touch panel

GUI displays various indicators with colorful symbols to enhance visibility, enjoyment, and operability.

### Image capture function

Images can be imported from TV, VTR, DVD or Video CD for a wallpaper.

### 70 W High power high-efficiency digital power amplifier (only for CQ-VD7700U)

Digital power amplifier transmits power at approx. 90 % efficiency.

### ID code

4-digit ID code for increased security.

### External extension terminal

#### • 2 video inputs

You can connect a car navigation system, VCR and camcorder with this unit if they have a video output type terminal.

#### • One video output (on the hide-away unit side)

You can connect an optional monitor for passengers in the rear seat (private mode).

### CD changer control function

An optional CD changer (CX-DP880U) can be connected.

**Note:** It is necessary to incorporate the Dual CD Changer Selector CA-CD55 (option) when connecting 2 CD changers.

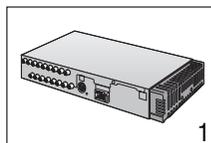
This book refers to connections to the Panasonic car navigation system that will come onto the market in the future. Descriptions regarding the car navigation system are boxed with a dotted line.

# Components

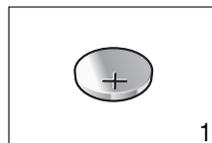
## Components



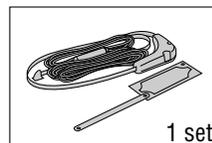
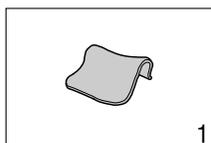
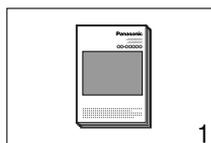
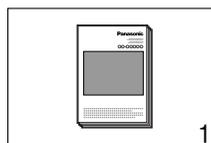
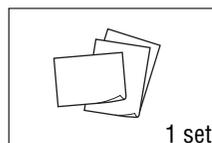
1. Display Unit



2. Hide-away Unit

3. Remote Control Unit  
<YEFX9995145>

4. Lithium Battery (CR2025)

5. TV Antenna  
<YEAA12692A (R)>  
<YEAA12693A (L)>6. Wiping Cloth  
<YEFX9991793>7. Operating Instructions  
<YEFM284237>8. Installation Instructions  
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<YEFM293264>  
CQ-VD7500U:  
<YEFM293265>

9. Warranty Card, etc.

10. Installation Hardware (screws, cords, etc.) (⇒ Installation instructions)

### Note:

- The number in parenthesis underneath each accessory part name is the part number for maintenance and service.
- Accessories and their part numbers are subject to modification without prior notice due to improvements.

## Differences between 2 models

**Note:** This operating instruction manual is for 2 models CQ-VD7700U and CQ-VD7500U. All illustrations throughout this manual represent model CQ-VD7700U unless otherwise specified. The following table describes the differences between the 2 models.

Features		
Model	CQ-VD7700U	CQ-VD7500U
Maximum Power Output	70 W x 4 ch. + 35 W x 1 ch.	50 W x 4 ch.
Power Amplifier	Digital	Analog
Center Speaker Output	Yes (35 W x 1 ch.)	No
Subwoofer Output	1 ch.	2 ch. (MONO)
5.1 ch. decoder (Dolby digital/DTS)	Yes	No
Optical digital Output	No	Yes
DSP Functions (Space, Parametric EQ.)	Yes	No
Graphic EQ. and other audio functions	No	Yes

# Utilisez cet appareil de façon sécuritaire

### AVERTISSEMENT:

**AFIN D'ÉVITER LES RISQUES DE BLESSURE GRAVE OU UNE POSSIBILITÉ D'INFRACTIONS AUX LOIS, N'UTILISEZ PAS L'APPAREIL DANS LE CHAMP DE VISION DU CONDUCTEUR POUR TOUTE AUTRE FIN QUE LA NAVIGATION OU POUR L'UTILISATION AVEC UNE CAMÉRA DE VISION ARRIÈRE.**

### Au volant:

- Le conducteur ne doit pas faire fonctionner l'écran couleur à cristaux liquides. Le fonctionnement de l'écran couleur à cristaux liquides pourrait détourner l'attention du conducteur et entraîner un accident. Lorsque vous faites fonctionner l'appareil, stationnez votre véhicule dans un endroit sûr.
- Le conducteur ne doit pas visionner de vidéos en conduisant. Cela pourrait détourner son attention et entraîner un accident.
- Maintenez l'appareil à un niveau de son approprié. La conduite avec un niveau de son qui empêche d'entendre les sons extérieurs et autour du véhicule pourrait entraîner un accident.

### PRÉCAUTION:

**Respectez les règlements locaux et la réglementation pour installer le moniteur vidéo et l'antenne de télévision.**

### Lors du nettoyage du véhicule

N'exposez pas l'appareil, incluant les haut-parleurs et le disque, à l'eau ou à une humidité trop grande. Cela risquerait de causer des courts-circuits, un incendie ou d'autres dommages.

### Lorsque la voiture est stationnée

Le stationnement en plein soleil peut produire des températures très élevées à l'intérieur du véhicule. Laissez l'intérieur du véhicule refroidir avant d'allumer l'appareil.

### Utilisez la bonne source d'alimentation

Cet appareil est conçu pour fonctionner sur un système d'alimentation avec batterie de 12 V c.c. à masse négative (système standard sur les véhicules de construction nord-américaine).

### Mécanisme de lecture de disque

N'insérez pas de pièces de monnaie ou tout autre petit objet. Gardez les tournevis et autres objets métalliques à l'écart du mécanisme de lecture de disque et des disques.

### Protégez le logiciel

Au moment de quitter le véhicule, prenez soin d'éjecter le disque et la carte SD de cet appareil et de les conserver sur soi.

### Faites appel aux centres de service après-vente agréés

Ne tentez pas de démonter ou d'ajuster cet appareil de précision. Veuillez consulter la liste des centres de service après-vente fournie avec cet appareil pour obtenir de l'aide.

### Pour l'installation

Cet appareil doit être installé en position horizontale, avec l'extrémité avant inclinée à un angle commode mais ne dépassant pas 30°. L'utilisateur doit garder à l'esprit que dans certaines régions il peut y avoir des restrictions spécifiant comment et où installer cet appareil. Pour plus de détails, contactez votre détaillant.

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# Preparations (Main Unit)

You should check and prepare your unit before initial use referring to the following steps:

## Step 1

Check the connecting external devices for input.

### VTR1/VTR2

<b>Connected:</b> Set the VTR input level, etc. (⇒ page 65, 70)	<b>Unconnected:</b> Set the VTR Skip. (⇒ page 70)
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### Rear View Camera

<b>Connected:</b> Check if the reverse lead is connected. (⇒ installation Instructions) Execute the Camera SetUp. (⇒ page 69)	<b>Unconnected:</b> Set the Rear View Camera to off. (⇒ page 69)
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### Car Navigation

<b>Connected:</b> Check the connection terminal. (⇒ Installation Instructions) Execute the NAVI SETUP. (⇒ page 68)	<b>Unconnected:</b> Check if "NAVI INPUT" is set to "RGB". (⇒ page 68)
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## Step 2

Check the connecting external devices for output.

### Rear Monitor

<b>Connected:</b> Execute the Rear Monitor Set Up. (⇒ page 74)	<b>Unconnected:</b>
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### Subwoofer and External amplifier

<b>Connected:</b> Check the connection of external amplifier control lead and subwoofer output. (⇒ Installation Instructions) Execute "SP SETUP". (⇒ page 63: CQ-VD7700U)	<b>Unconnected:</b> Set "SUB•W" to "NO". (⇒ page 64)
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### Other speakers

Check the connected speakers. (⇒ Installation Instructions) Execute "SP SETUP" and "AUDIO" setting (⇒ page 63, 64: CQ-VD7700U, ⇒ page 66: CQ-VD7500U)
--

## Step 3

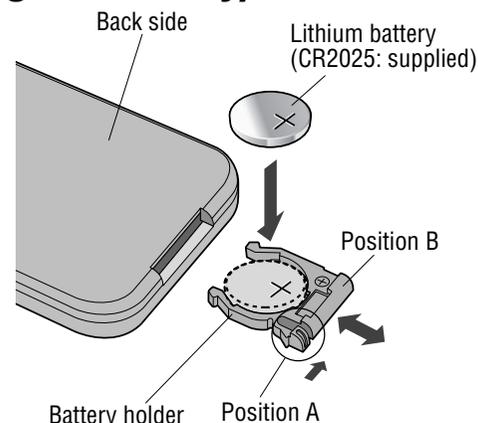
Check the other equipment and settings.

- ID code setting (⇒ page 57)
- Check the Illumination lead connection. (⇒ Installation Instructions)
- Display (Screen) Settings (⇒ page 58)
- "DISPLAY UNIT" setting (TILT, OPEN/CLOSE) (⇒ page 54)
- Clock Setting (⇒ page 55)
- DVD Setting (if necessary)
  - Language Setting (⇒ page 67)
  - Display Aspect and DVD Software Mode (⇒ page 68)

# Preparations (Remote Control)

## Battery Installation (Inserting/Replacing the Battery)

- 1 Remove the battery holder.  
Pull the holder by position B while pushing position A in the direction indicated 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.



## Battery Notes

- Battery life: approx. 6 months (at room temperature)
- Battery handling:
  - Do not disassemble, short-circuit or dispose of batteries in a fire as such action may result in explosion or fire.
  - Keep out of the reach of children to prevent risk of choking, swallowing, or other injury.
- Replace old battery:
  - Follow the local regulations for disposal.

**Caution:** Improper use of batteries may cause overheating, an explosion or ignition, resulting in injury or a fire. Change battery as required - battery leakage may damage the unit.

This book refers to connections to the Panasonic car navigation system that will come onto the market in the future. Descriptions regarding the car navigation system are boxed with a dotted line.

# Name of Controls and Functions

## Main Unit

- [▲]**
- Ejects/reloads a disc. (⇒ page 38, 42)

**Note:** You should open the front panel before ejecting the disc.

- [ASP] (ASPECT) (P•MODE)**
- Selects the aspect ratio. (⇒ page 71)
  - Activates/inactivates the private mode. (⇒ page 75)

- [OPEN]**
- Open the Front Panel.

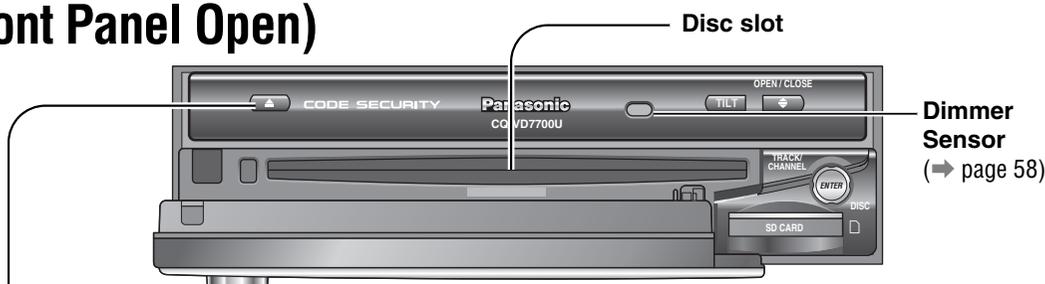
**Note:** You should open the front panel before ejecting the disc.

- [VOLUME]**
- Adjusts the sound volume. (⇒ page 35)

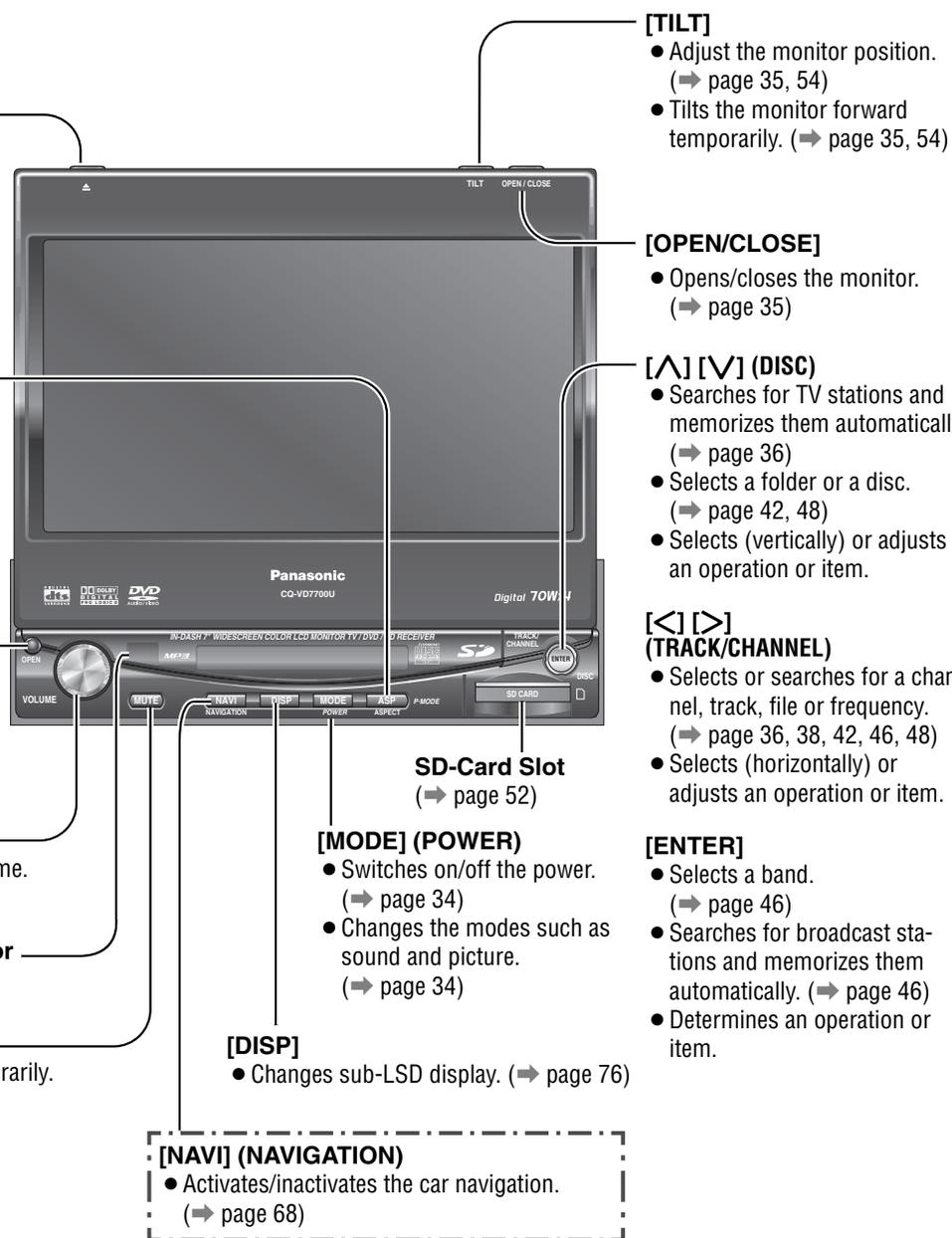
**Remote control sensor**

- [MUTE]**
- Mutes the sound temporarily. (⇒ page 35)

## Main Unit (Front Panel Open)



**Disc indicator** (EJECT button illumination light) (⇒ page 38, 42)  
**Caution:** A disc is in the slot when this is illuminated in blue.



- [TILT]**
- Adjust the monitor position. (⇒ page 35, 54)
  - Tilts the monitor forward temporarily. (⇒ page 35, 54)

- [OPEN/CLOSE]**
- Opens/closes the monitor. (⇒ page 35)

- [▲] [▼] (DISC)**
- Searches for TV stations and memorizes them automatically. (⇒ page 36)
  - Selects a folder or a disc. (⇒ page 42, 48)
  - Selects (vertically) or adjusts an operation or item.

- [<] [>] (TRACK/CHANNEL)**
- Selects or searches for a channel, track, file or frequency. (⇒ page 36, 38, 42, 46, 48)
  - Selects (horizontally) or adjusts an operation or item.

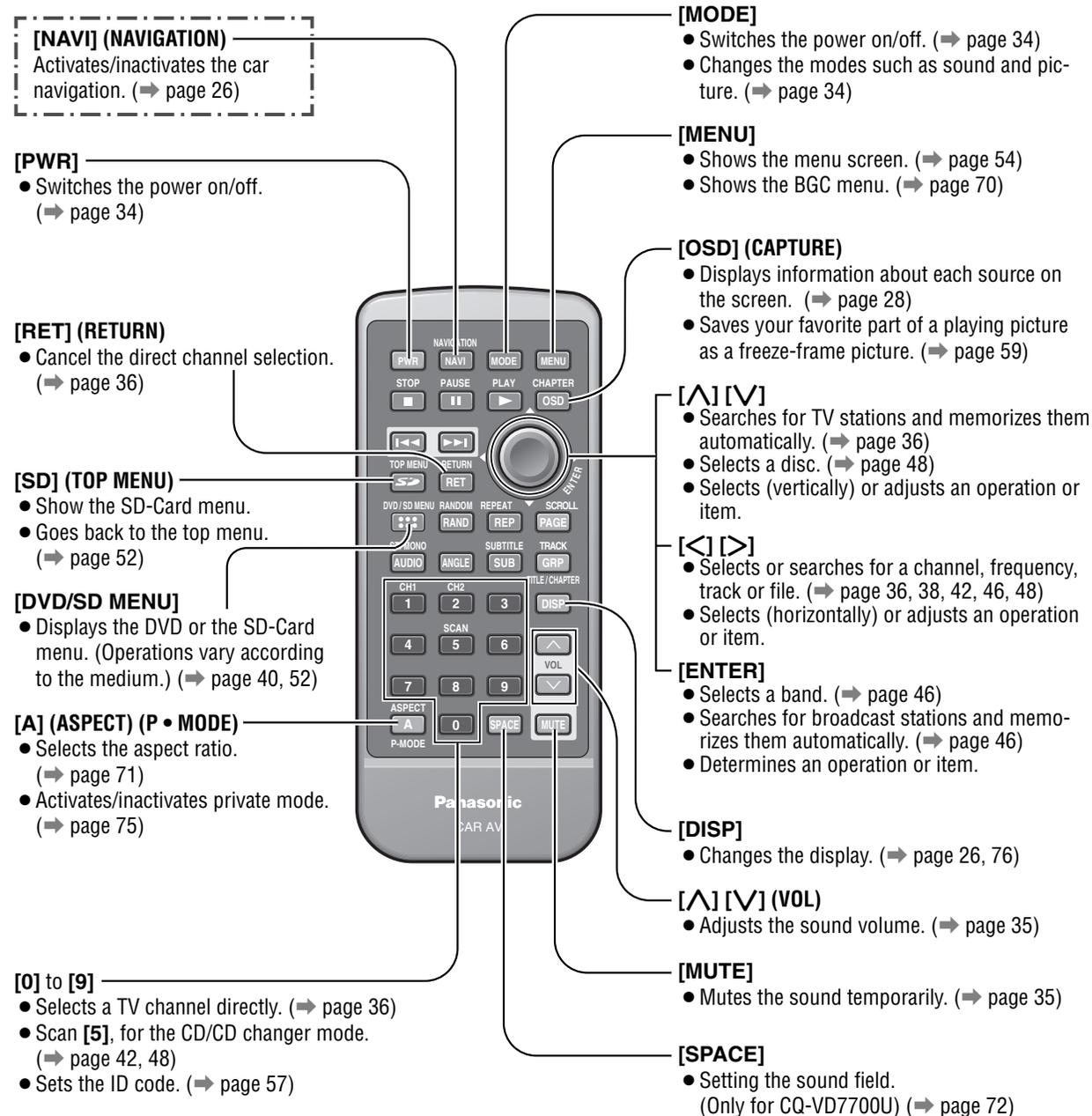
- [ENTER]**
- Selects a band. (⇒ page 46)
  - Searches for broadcast stations and memorizes them automatically. (⇒ page 46)
  - Determines an operation or item.

- [DISP]**
- Changes sub-LSD display. (⇒ page 76)

- [NAVI] (NAVIGATION)**
- Activates/inactivates the car navigation. (⇒ page 68)

## Remote Control (General)

Aim the remote control at the remote control sensor of the display unit and operate it (⇒ previous page).



- [NAVI] (NAVIGATION)**
- Activates/inactivates the car navigation. (⇒ page 26)

- [PWR]**
- Switches the power on/off. (⇒ page 34)

- [RET] (RETURN)**
- Cancel the direct channel selection. (⇒ page 36)

- [SD] (TOP MENU)**
- Show the SD-Card menu.
  - Goes back to the top menu. (⇒ page 52)

- [DVD/SD MENU]**
- Displays the DVD or the SD-Card menu. (Operations vary according to the medium.) (⇒ page 40, 52)

- [A] (ASPECT) (P • MODE)**
- Selects the aspect ratio. (⇒ page 71)
  - Activates/inactivates private mode. (⇒ page 75)

- [0] to [9]**
- Selects a TV channel directly. (⇒ page 36)
  - Scan [5], for the CD/CD changer mode. (⇒ page 42, 48)
  - Sets the ID code. (⇒ page 57)

- [MODE]**
- Switches the power on/off. (⇒ page 34)
  - Changes the modes such as sound and picture. (⇒ page 34)

- [MENU]**
- Shows the menu screen. (⇒ page 54)
  - Shows the BGC menu. (⇒ page 70)

- [OSD] (CAPTURE)**
- Displays information about each source on the screen. (⇒ page 28)
  - Saves your favorite part of a playing picture as a freeze-frame picture. (⇒ page 59)

- [▲] [▼]**
- Searches for TV stations and memorizes them automatically. (⇒ page 36)
  - Selects a disc. (⇒ page 48)
  - Selects (vertically) or adjusts an operation or item.

- [<] [>]**
- Selects or searches for a channel, frequency, track or file. (⇒ page 36, 38, 42, 46, 48)
  - Selects (horizontally) or adjusts an operation or item.

- [ENTER]**
- Selects a band. (⇒ page 46)
  - Searches for broadcast stations and memorizes them automatically. (⇒ page 46)
  - Determines an operation or item.

- [DISP]**
- Changes the display. (⇒ page 26, 76)

- [▲] [▼] (VOL)**
- Adjusts the sound volume. (⇒ page 35)

- [MUTE]**
- Mutes the sound temporarily. (⇒ page 35)

- [SPACE]**
- Setting the sound field. (Only for CQ-VD7700U) (⇒ page 72)

This book refers to connections to the Panasonic car navigation system that will come onto the market in the future. Descriptions regarding the car navigation system are boxed with a dotted line.

# Name of Controls and Functions (continued)

## Remote Control Functions for the DVD audio/video, Video CD

Indicates compatible types of Media.

- [■] (STOP)**
  - Stops playback. (⇒ page 38)
- [⏸] (PAUSE)**
  - Pause (⇒ page 38)
- [▶] (PLAY)**
  - Playback (⇒ page 38)
- [◀◀] [▶▶]**
  - Goes to beginning. (⇒ page 38)
  - Fast forward/fast reverse. (⇒ page 38)
- 
- [▶▶▶] (SLOW PLAYBACK)**
  - Slow playback [▶▶▶]. (⇒ page 38)

- [MODE]**
  - Changes the modes such as sound and picture. (⇒ page 34)

- [▲] [▼] [◀] [▶]**
  - Selects an operation or item.
- [ENTER]**
  - Determines an operation or item.

- [RET] (RETURN)**
  - Returns to the previous display. (⇒ page 40)

- Inputs the number again. (⇒ page 40)
- Displays the video CD's menu. (⇒ page 40)

- [DVD/SD MENU]**
  - Displays the DVD menu. (Operations vary according to the media.) (⇒ page 40)

- [SUB] (SUB TITLE)**
  - Switching the subtitle language. (⇒ page 41)

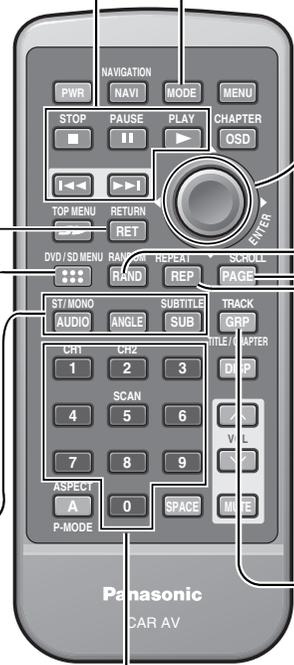
- [ANGLE]**
  - Switching the angle. (⇒ page 41)

- [AUDIO]**
  - Switching the audio language. (⇒ page 41)

- [AUDIO] (ST/MONO)**
  - Switches between stereo or monaural sound. (⇒ page 41)

- [0] to [9]**
  - Selects an item on the menu. (⇒ page 40)

- [0] to [9]**
  - Selects a title or chapter. (⇒ page 40)
  - Selects a group/track. (⇒ page 40)



- [RAND] (RANDOM)**
  - Random play. (⇒ page 38)

- [PAGE] (SCROLL)**
  - Change the page. (⇒ page 38)

- [REP] (REPEAT)**
  - Repeats a playback. (⇒ page 38)

- [GRP] (TRACK) (TITLE/CHAPTER)**
  - Selects the group/track. (⇒ page 40)
  - Selects the title/chapter. (⇒ page 40)

## Remote Control Functions for the CD/MP3/SD/CD Changer

Indicates compatible types of Media.

- [■] (STOP)**
  - Stops playback. (⇒ page 42, 48, 52)

- [⏸] (PAUSE)**
  - Pause (⇒ page 42, 48, 52)

- [▶] (PLAY)**
  - Playback (⇒ page 42, 48, 52)

- [◀◀] [▶▶]**
  - Goes to beginning. (⇒ page 42, 48, 52)
  - Fast forward/fast reverse. (⇒ page 42, 48, 52)

- [MODE]**
  - Changes modes such as sound and picture. (⇒ page 34)

- [ENTER]**
  - Changes to direct folder selection mode. (⇒ page 42)

- [▲] [▼] [◀] [▶]**
  - Selects an operation or item.

- [◀] [▶]**
  - Selects a track or file. (⇒ page 42, 48)
  - Fast forward/fast reverse (⇒ page 42, 48)

- [▲] [▼]**
  - Selects a folder. (⇒ page 42)
  - Selects a disc. (⇒ page 48)

- [DVD/SD MENU]**
  - Displays the SD-Card menu. (Operations vary according to the medium.) (⇒ page 52)

- [RAND] (RANDOM)**
  - Random play. (⇒ page 42, 48)

- [REP] (REPEAT)**
  - Repeats a playback. (⇒ page 42, 48, 52)



- [1] (CH 1)**
  - Selects first CD Changer. (⇒ page 48)

- [2] (CH 2)**
  - Selects second CD Changer. (⇒ page 48)

\* When connecting the dual CD changer selector (CA-CD55 option) and two CD changers.

- [5] (SCAN)**
  - Scan in the CD/CD Changer mode. (⇒ page 42, 48)

# Touch Panel Operation Overview

## Operation Mode

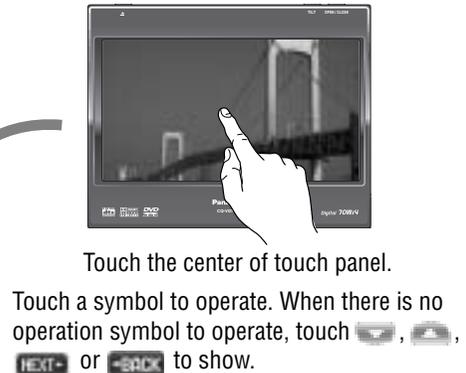
While in operation mode, You can operate almost all functions of this unit by touching symbols on the panel.

### How to show operation mode

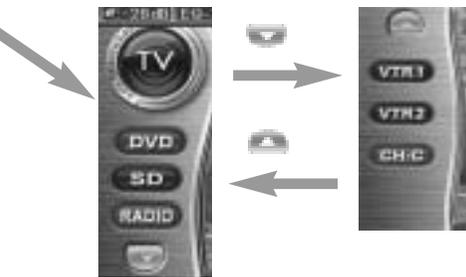
When not in operation mode, Touch the center of touch panel [Area A] to show operation display (see next page).

### Operations on the touch panel

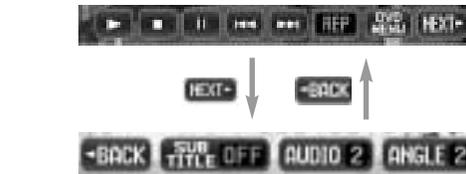
Touch operation buttons (Symbols) to operate.



### Example: Mode Selection:



### Example: DVD operation symbols



### Return to the regular mode

To return to the regular mode, touch [OPERATION OFF].  
Example: TV mode



The Guidance display appears for 4 seconds (→ page 26).



### Notes:

- When no operation is performed for 10 seconds during the Video playback, the display returns to the regular mode.
- In audio mode (CD/MP3/RADIO/CD Changer), the operation mode remains till the [OPERATION OFF] button is pressed.

## Regular Mode

While in regular mode, You can operate basic functions of this unit by touching areas A to E on the panel. Each area has following control functions.

Example: GUIDANCE ON (→ page 55)

### Area B

**TV/Radio mode:**  
Goes to previous frequency or channel.

**DVD/VCD/CD/MP3/CD Changer mode:**  
Previous Chapter/track/File  
Fast reverse

### Area A

**Regular mode:**  
Shows operation display.

**Note:** To return the regular mode, press [OSD] or touch [OPERATION OFF].

### Area D

**TV/Radio mode:**  
Next Preset Frequency/Channels

**MP3 mode:**  
Next Folder

**CD Changer mode:**  
Next disc

### Area E

**TV/Radio mode:**  
Previous preset Frequency/Channels.  
Seek

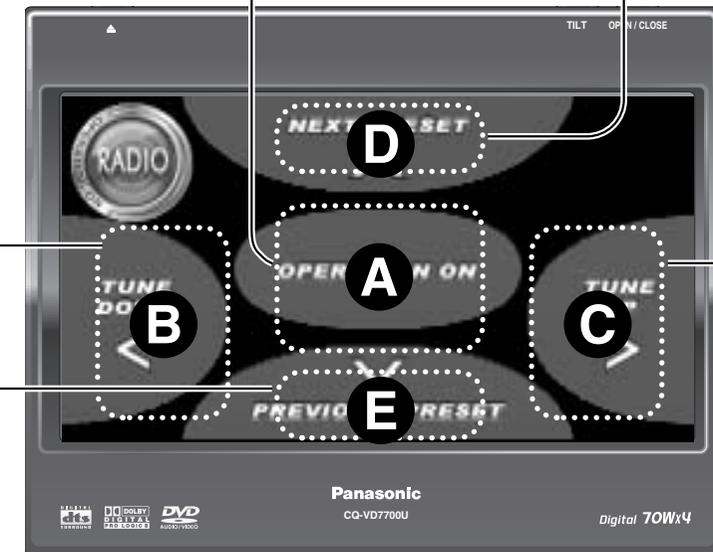
**MP3 mode:**  
Previous Folder

**CD Changer mode:**  
Previous Disc

### Area C

**TV/Radio mode:**  
Goes to next frequency or channel.  
Seek

**DVD/VCD/CD/MP3/CD Changer mode:**  
Next Chapter/track/File  
Fast forward



### Notes on the Touch Panel

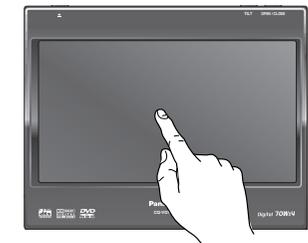
#### Before operation

- Clean the surface of the touch panel. (→ page 86)



#### Operation

- Use only your fingers to operate the touch panel.



- Do not press the panel forcefully.
  - Do not scratch the panel by fingernails or any hard objects.
  - Do not use a pen or other sharp implements to operate the touch panel.
  - Do not bump the front panel.
- Failure to observe the above may damage or break the glass on the surface of the touch panel.

# Display Mode Changes

This unit has 10 types screens. The following operations allow you to change among screens.

## TV, DVD Video/Audio, VTR 1/2, SD-Card

Operating mode



Panel [OPERATION OFF]  
Remote [OSD]  
Area A

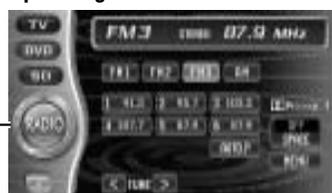
Regular mode



Guidance display appears for 4 seconds. You can let the guidance display set to off. (→ page 55)

## CD, MP3, Radio, CD Changer

Operating mode



[OPERATION OFF] Area A

Animation



[DISP]

Calendar Window



Capture Window



[DISP]

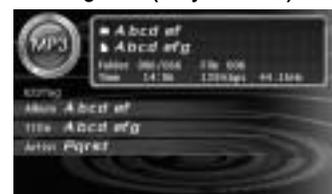
Calendar Full Screen



Capture Full Screen



ID 3 Tag data (only for MP3)



[DISP]

## Navigation

Navi mode



[NAVI] (NAVIGATION)

Play mode

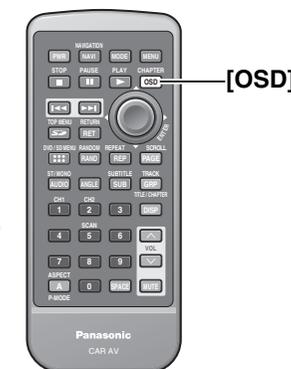
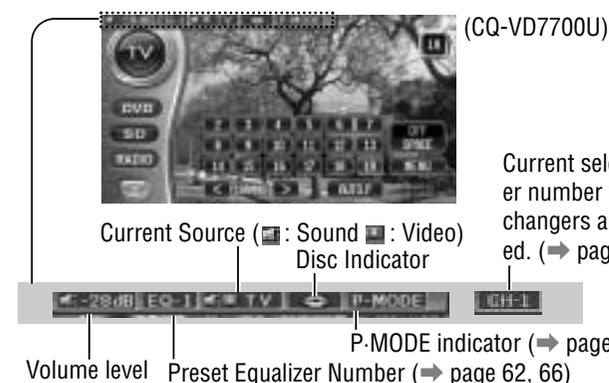


[NAVI] (NAVIGATION)

# Status Bar

The status bar provides various information during the playback.

The status bar will inform you of a change in the unit whenever it occurs.



# Icons Used in This Manual

This manual uses some icons to explain touch panel operation as follows:

### Operation unit

These icons represent the unit used to perform an operation.

**Panel** : Operations on the touch panel

**Remote** : Operations on the remote control or the display unit

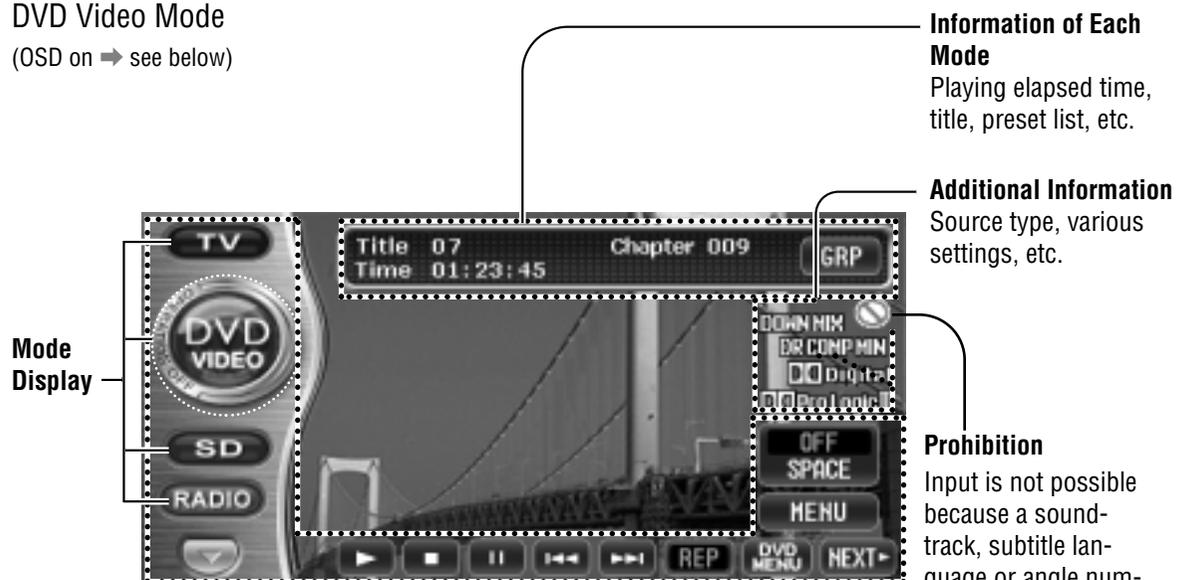
This book refers to connections to the Panasonic car navigation system that will come onto the market in the future. Descriptions regarding the car navigation system are boxed with a dotted line.

# Indicators on the Screen

## The State of the Current Output Appears

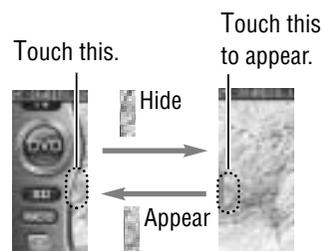
**Note:** Displaying contents and their positions partly vary with each mode. Refer to the description of each mode for details.

**Example:**  
DVD Video Mode  
(OSD on → see below)



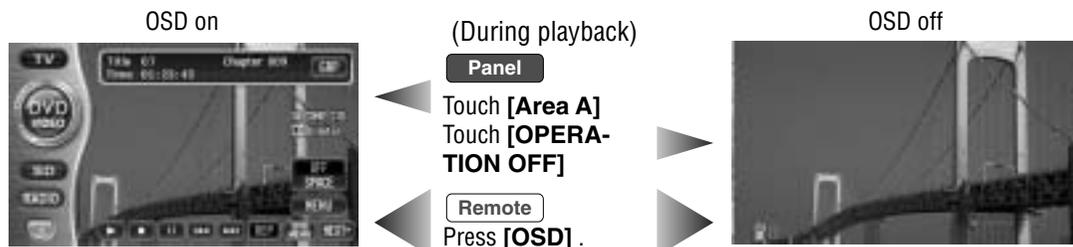
**Mode Display/Operating buttons**  
The current mode and operable touch buttons appear.

**Mode Display temporarily hiding**  
You can hide the mode display temporarily during some visual related operations such as DVD menu operation.



## OSD (On-Screen Display) On/off

You can switch between OSD-ON and OSD-OFF regarding the mode information when watching a picture.



**Note:** On-Screen Display can be toggled between on and off only in the TV, VTR1/2, DVD video, DVD audio, VCD and SD-Card modes. (When the captured image is set as a wallpaper in the CD, MP3, RADIO and CD changer, pressing [OSD] switches captured images.)

# Discs that can be Played Back

Disc	Mark (logo)	Disc size	Video format	Audio format	Region No.
DVD audio/ video		5" (12 cm)	NTSC	LPCM, PPCM, MPEG1, MPEG2, dts, Dolby Digital	1 ALL
Video CD					
CD			LPCM (CD-DA), MP3		

**Notes:**

- About CD-Rs, CD-RWs and SD-Card refer to "Notes on CD-Rs/RWs" and "Notes on SD-Card". (→ page 50, 87)
- Some copy-protected music CDs are not playable.

**Example:**



**Region Management Information**

This product is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this product, this product cannot play the disc.

The Region number for this product is "1" and "ALL".

**Symbols used on jackets** (Examples of such symbols include)

- Number of subtitle languages
- Number of audio tracks
- Number of angles

**Screen size (H:V aspect ratio)**

- 4:3 standard size
- Letterbox (→ page 88)

- 16:9 wide size  
 : Play back in letterbox format on a standard screen (4:3).  
 : Play back in "Pan & Scan" (→ page 88) format on a standard screen (4:3).

**Note:** The size of the image that is displayed on the screen depends on the screen mode ("Aspect Ratio" → page 71), and on the screen size for the content on the disc.

**The following discs cannot be played back on this product.**

- DVD-ROM
- DVD-R
- DVD-RAM
- DVD+RW
- DVD-RW
- SVCD
- VSD
- CVD
- CD-G
- CD-ROM (except MP3)
- CD-RW (except MP3 and CD-DA)
- CD-R (except MP3 and CD-DA)
- SACD
- photo CD
- CDV
- Divx Video Discs
- CD-EXTRA (audio-only playback possible)
- Discs recorded in PAL format, others
- DVDs with a region number other than "1" or "ALL"
- **Playing back a photo CD disc with this unit could damage the data that is recorded on the disc.**

# System Upgrade (CQ-VD7700U)

## Recommended system: 5.1-channel Surround System

This unit has a built-in 5-channel amplifier. The procedure for setting up a 5.1-channel surround system in order to play DVD software in a way that creates a "you are there" feel in a car is described below.

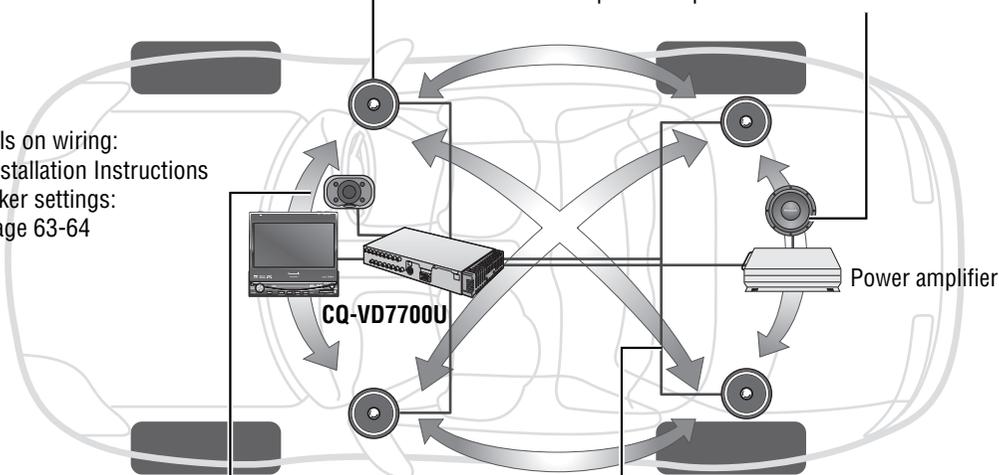
### Front Speakers: CJ-DVD177

Use the left and right front speakers (such as speakers that are built into the front door).

### Subwoofer: CJ-SW38

Because the audio imaging is not nearly as dependent on the position where the subwoofer is installed as it is with the other speakers, the subwoofer can be installed anywhere that is convenient. (A separate power amplifier for the subwoofer is needed.)

- Details on wiring: → Installation Instructions
- Speaker settings: → page 63-64



### Center Speaker: EAB-CF2

Install in the middle of the dashboard, near the monitor.

### Surround Speakers: CJ-SS162

Use the left and right rear speakers (such as speakers that are built into the rear door or the rear deck)

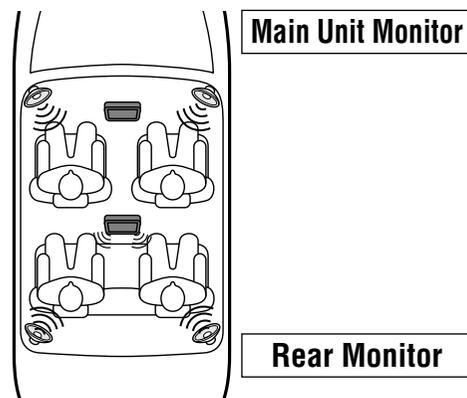
**Note:** Even if you are using this unit without installing a center speaker, surround speakers, or a subwoofer, it is still necessary to adjust the speaker settings in order to adjust the sound balance. (→ page 63)

## About Rear Monitor (→ page 74)

You can have different pictures and sound on the front monitor and rear monitor at the same time.

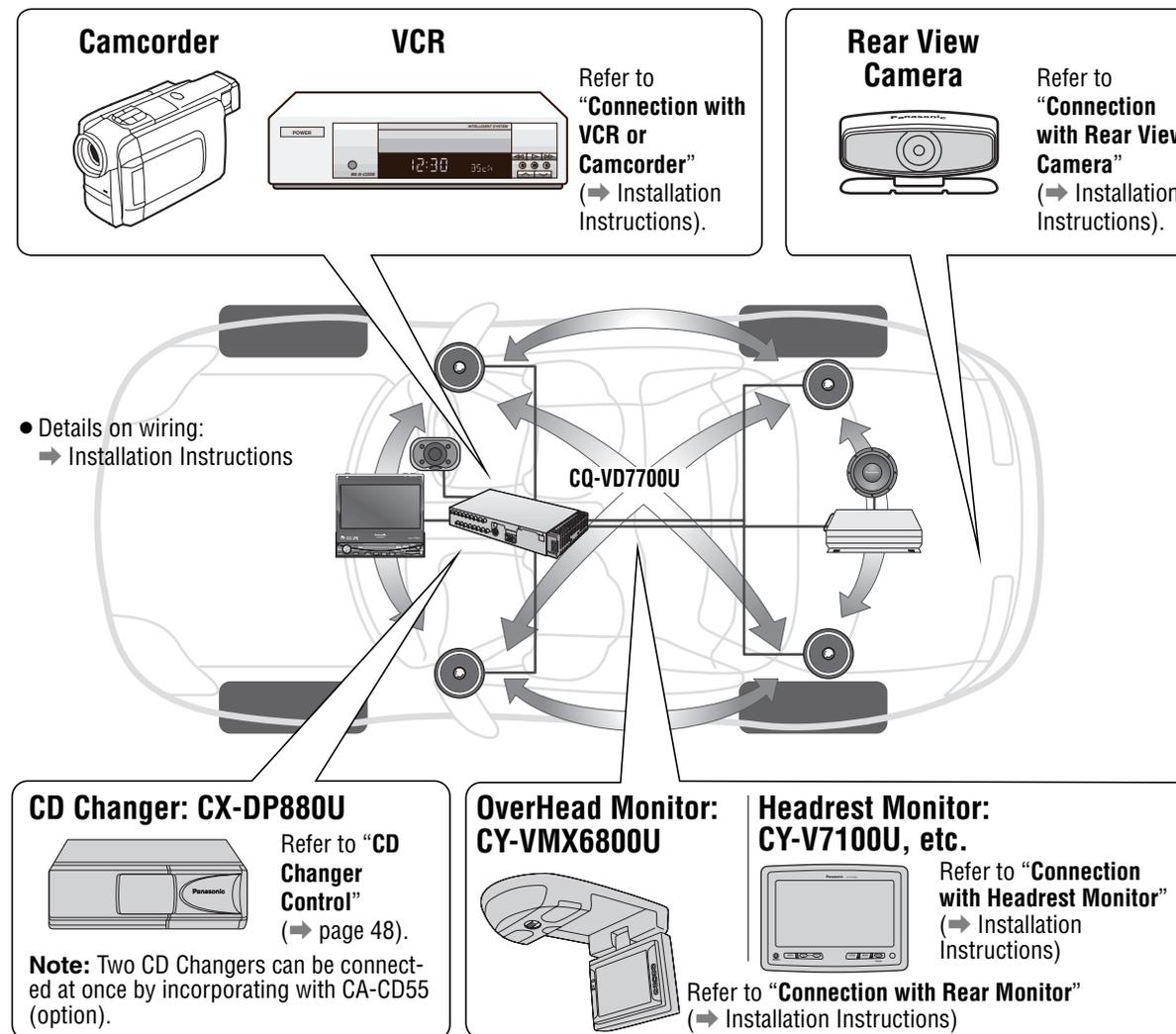
## Private Mode (→ page 75)

You can mute the sounds from the rear speakers if necessary. (Example: The case of using CY-V7100U with the headphones)



## Advanced system

Connecting the devices shown below allows you to enjoy a wonderful world consisting of a wide variety of pictures and sounds.



# System Upgrade (CQ-VD7500U)

## Recommended system: 4.1-channel Surround System

This unit has a built-in 4-channel amplifier. The procedure for setting up a 4.1-channel surround system in order to play DVD software in a way that creates a "you are there" feel in a car is described below.

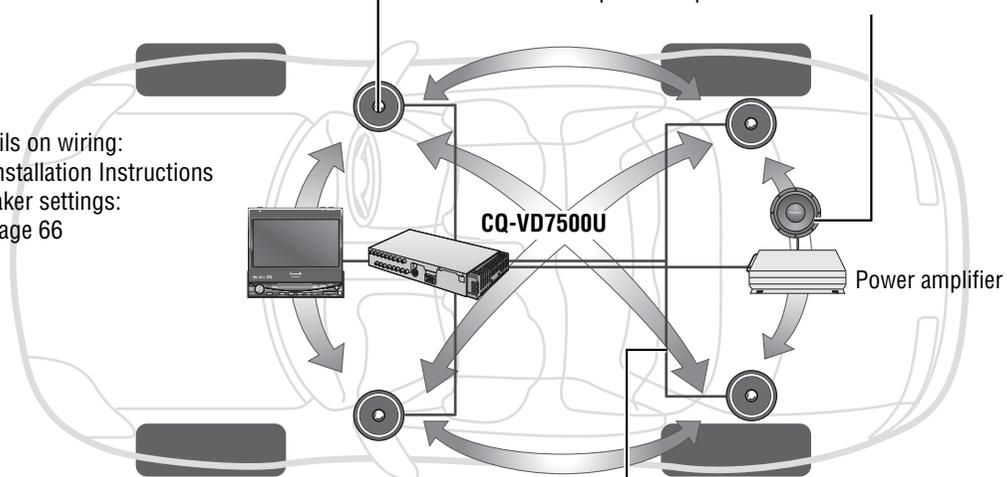
### Front Speakers: CJ-DVD177

Use the left and right front speakers (such as speakers that are built into the front door).

### Subwoofer: CJ-SW38

Because the audio imaging is not nearly as dependent on the position where the subwoofer is installed as it is with the other speakers, the subwoofer can be installed anywhere that is convenient. (A separate power amplifier for the subwoofer is needed.)

- Details on wiring: → Installation Instructions
- Speaker settings: → page 66



### Surround Speakers: CJ-SS162

Use the left and right rear speakers (such as speakers that are built into the rear door or the rear deck)

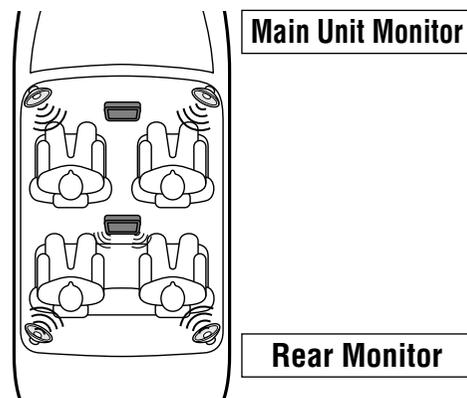
**Note:** Even if you are using this unit without installing surround speakers or a subwoofer, it is still necessary to adjust the speaker settings in order to adjust the sound balance.

## About Rear Monitor (→ page 74)

You can have different pictures and sound at the front monitor and rear monitor at the same time.

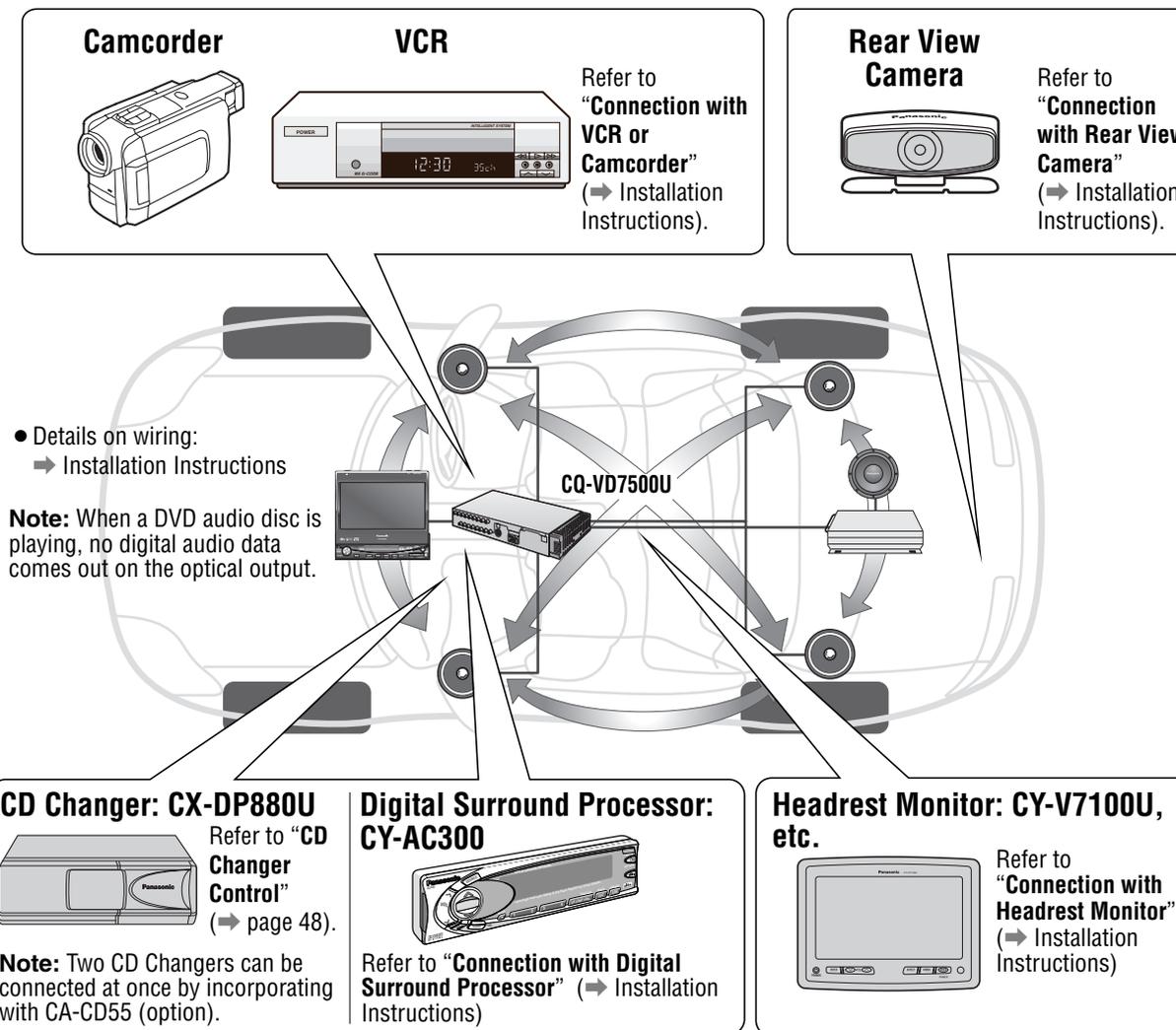
## Private Mode (→ page 75)

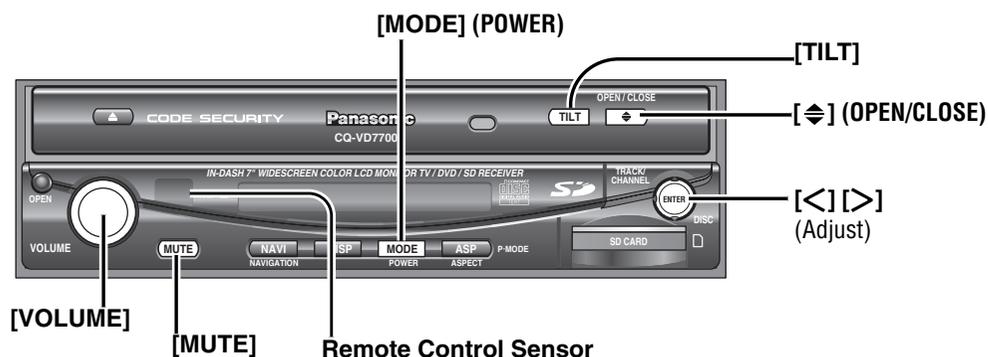
You can mute the sounds from the rear speakers if necessary. (Example: The case of using CY-V7100U with the headphones)



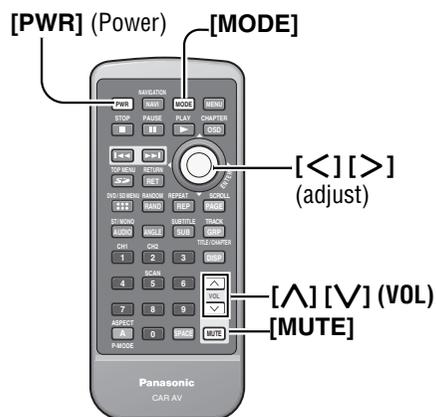
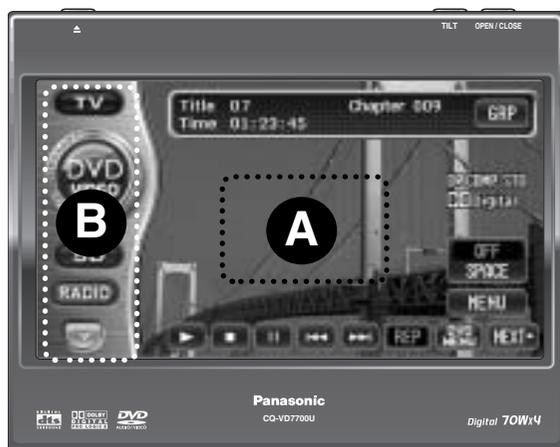
## Advanced system

Connecting the devices shown below allows you to enjoy a wonderful world consisting of a wide variety of pictures and sounds.





Example: DVD VIDEO



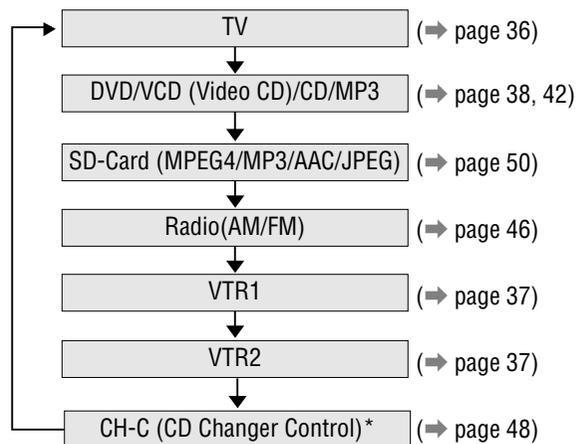
## Power

Turn your car's ignition key to ACC or ON position.  
**ON:** press **[MODE] (POWER)** on the display unit.  
 Press **[PWR]** or **[MODE]** on the remote control.

**OFF:** press **[MODE] (POWER)** again for more than 2 seconds on the display unit.  
 Press **[PWR]** again or **[MODE]** again for more than 2 seconds on the remote control.

## Source selection (Mode)

Press **[MODE]** to change the mode.

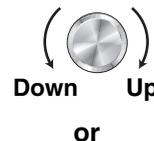


\* Selectable only when a CD changer is connected.

## Mode change on the Touch Panel

Touch **A** and then touch a symbol in the **B**.

## Volume



**[^] (VOLUME)** : up  
**[v] (VOLUME)** : down  
 (on the remote control)

Setting Range:  
 -82 dB to 0 dB                      0 to 40 (step)  
 default:  
 -40 dB                                      18 (step)  
 (CQ-VD7700U)                              (CQ-VD7500U)

**Note:** The sound level for each source is stored in memory.

## Mute

**MUTE ON:** press **[MUTE]**.  
**MUTE OFF:** press **[MUTE]** again.

## Display Open/Close

**OPEN:** press **[TILT] (OPEN/CLOSE)**.  
**CLOSE:** press **[TILT] (OPEN/CLOSE)** again.  
 (After returning the lateral angle to the neutral position.)

- Notes:**
- When the display unit is opened or closed, a loud beep sounds three times.
  - If the unit stops halfway, press **[TILT] (OPEN/CLOSE)** again to draw it all the way in.
  - Opening/closing the display can be done when the power is off.

**Warning:** Do not touch the unit while the display is moving. Inserting hands, fingers or foreign objects into the unit can cause injuries and damage to the unit.

## Tilt Angle

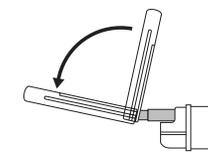
- 1 Press and hold **[TILT]** on the display unit for more than 2 seconds.
- 2 Press **[<]** or **[>]** to adjust. Setup is the same as from MENU. Refer to "MENU: User Settings" for details. (→ page 54)

**Notes:**

- Vertical angle (TILT) is saved in the memory, so when the display unit is drawn out next, it is automatically set at the angle and in the position adjusted before.
- After adjusting its angle, also adjust the brightness to make it easy for you to watch. (→ page 58)
- The car model and installation conditions may impose some restrictions on the adjustment of the monitor's angle.

## Folding Down the Display Temporarily

**Fold Down:** press **[TILT]** on the display unit.  
**Raise:** press **[TILT]** again on the display unit.



**Note:** Even when the unit power is off, you can fold down the display temporarily.

**Cautions:**

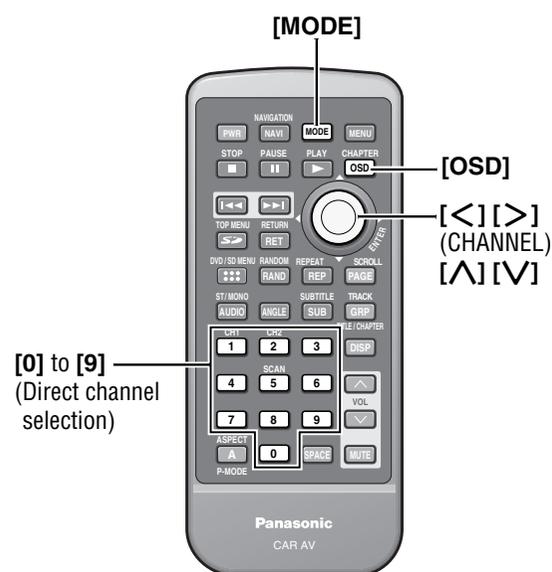
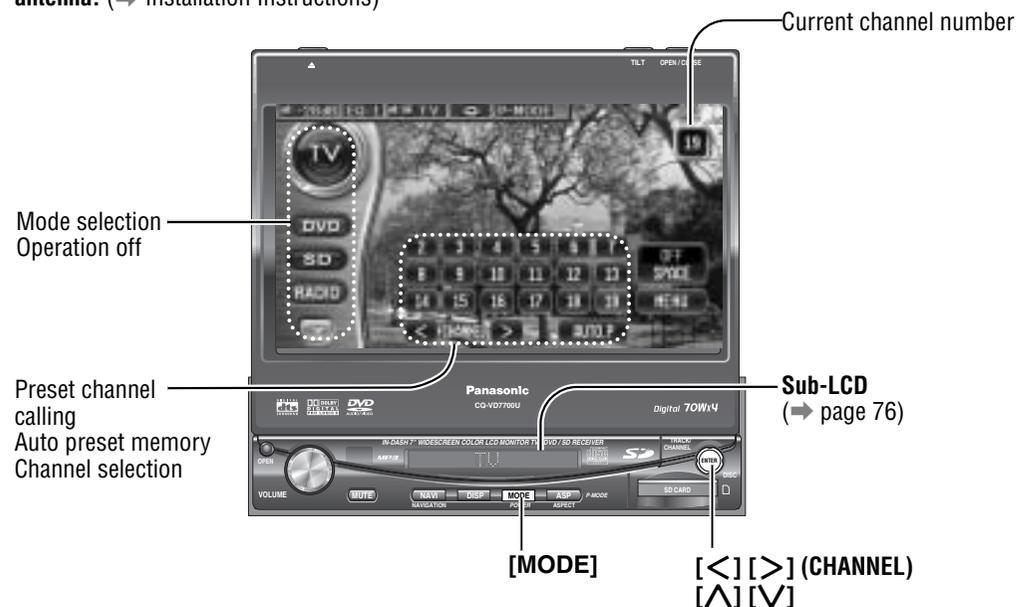
- Avoid physical shock to the monitor.
- Do not place any object on the display unit, or subject it to undue force.
- Do not move the display forcibly.
- The monitor movable range may be limited by the type of car, a position where the display is mounted, etc.

# TV Tuner/VTR (External Devices)

When not in operation mode, Touch the center of touch panel [Area A] to show operation display. (→ page 24)

## TV Tuner

It is necessary to install the supplied antenna to receive TV broadcasts. Refer to the description on mounting the TV antenna. (→ Installation Instructions)



### 1 TV Mode

**Remote**  
Press [MODE] to change to TV mode.

**Panel**  
Touch **TV**.

### 2 Channel Setting

[>] (CHANNEL): up  
[<] (CHANNEL): down

Press and hold [>] (CHANNEL) or [<] (CHANNEL) for more than 0.5 seconds. Seeking will start.

### Direct Channel Selection

**Remote**  
Enter a channel number by pressing [0] to [9].  
**Example:** Channel Number 17  
Press [1] and [7].

**Panel**  
Not available.

**Note:** To go back to regular mode, press [OSD] (OSD OFF) or touch [OPERATION OFF].

### ❑ Preset Channels

This function can search for channels automatically. Up to 18 channels can be stored.

### Auto Preset Memory

**Remote**  
Press and hold [^] or [v] for more than 2 seconds.  
[^]: the search starts from ch. 2 and proceeds successively.  
[v]: the search starts from ch. 69 in reverse succession.

**Panel**  
Touch and hold **AUTO P** for more than 2 seconds. Search starts from ch.2 successively.



- A stored channel can be renewed every time you store another channel.
- The unit may receive a channel that has poor-quality images depending on broadcasting conditions.
- The search returns to the start position if there is no receivable channel.

### Preset Channel Calling

**Remote**  
Press [^] or [v] to select the channel.

**Panel**  
Touch a preset channel number on the touch panel. (**Example:** channel number 17. Touch **17**.)

## VTR

You can view the images and listen to the sounds from the connected external devices in the VTR1 mode and VTR2 mode respectively.

### VTR1/VTR2 Mode

**Remote**  
Press [MODE] to change to VTR1 or VTR2 mode.

**Panel**  
Touch **VTR1** or **VTR2**.

- Notes:**
- You can set up the system so that the VTR mode is not selected (VTR skip). (→ page 70)  
(VTR set to NAVI INPUT is not skipped even if VTR skip is set to on.)
  - VTR1 and VTR2 terminals are not used for the Panasonic car navigation system (available in future). Refer to "Installation Instructions" and "NAVI SETUP" for setting. (→ page 68)

**Example:**

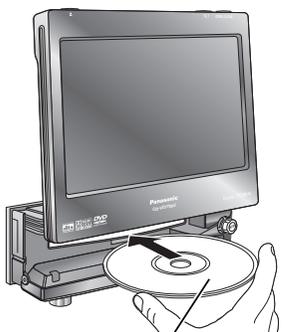
VTR1 : Camcorder  
VTR2 : VCR

**CQ-VD7700U Hide-away Unit**

For details (→ Installation Instructions)

# DVD/Video CD Player

When not in operation mode, Touch the center of touch panel [Area A] to show operation display. (→ page 24)

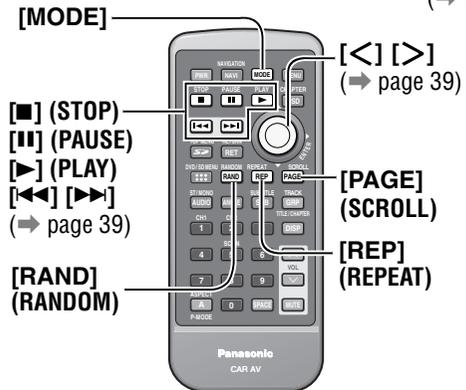


Label side

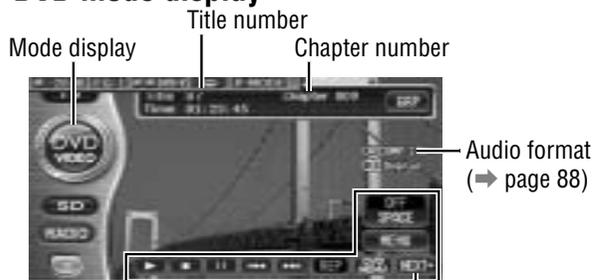
**Caution:** When the disc is inserted or ejected, to prevent disc scratches never exert any downward force on the disc.



[OPEN] [MODE] Sub-LCD (→ page 76)



## DVD mode display



Operation buttons Shows next operation buttons

### Notes:

- Due to limitations of certain discs, some DVD video and Video CD discs may not operate as described in these Operating Instructions. Refer to the disc jacket for further details.
- This unit does not support DVD and Video CD karaoke functions.

## Disc Insert

- Press [OPEN] to open the front panel.
- Insert the disc horizontally and gently.
- Push the front panel up to close it.
- The mode that supports the disc is selected, and playback starts.
- The audio/video format is automatically identified. (→ page 88)
- When the menu screen appears, see “DVD Menu/Video CD Menu” on page 40.

**When a DVD or Video CD is in the player, press [MODE] or touch a symbol to change to DVD or Video CD player mode and playback starts.**

### Notes:

- Do not insert a disc when disc indicator or eject button lights because a disc is already loaded.
- The power will be turned on automatically when a disc is loaded.
- You can play a disc even if the monitor is closed.
- The sound may be interrupted for a few moments while the audio format is being identified.

### Cautions:

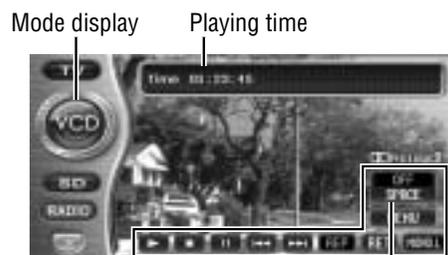
- Please refer to page 87 for disc-related matters.
- Do not insert foreign matter into the disc slot.

## Disc Eject

- Press [OPEN] to open the front panel.
- Press [EJECT] to stop playback and eject the disc. (Press [EJECT] again to reload the disc.)

**Note:** If you leave a disc in the slot for more than 30 seconds after its ejection, the disc will be automatically reloaded after a loud beep is emitted three times.

## Video CD mode display



Operating buttons Sound setting

DVD VIDEO DVD AUDIO VIDEO CD Indicates compatible disc types.

## Basic Operation

Operations vary according to the disc. For details, refer to the guide provided with the disc.

**Note:** When there are no operation buttons you want to operate, touch [TEXT].

Operations	Panel	Remote
<b>Go to Beginning</b>  DVD VIDEO DVD AUDIO VIDEO CD	[ ] : next track (chapter) [ ] : beginning of the current track (chapter) Previous track (chapter) (Touch twice.)	[ ]: next track (chapter) [ ]: beginning of the current track (chapter) Previous track (chapter) (Press twice.)
	<b>Note:</b> When playing a DVD video, there are cases where it is not possible to return to the start of a chapter that spans 2 titles. (→ page 88)	
<b>Fast Forward/ Fast Reverse</b>  DVD VIDEO DVD AUDIO VIDEO CD	Touch and hold [ ] : fast forward [ ] : fast reverse	Press and hold [ ]: fast forward [ ]: fast reverse
	Release to resume playback. The speed changes if the button is held down as follows (except DVD AUDIO). Regular speed →1.5 times (DVD Video) →10 times (DVD Video) →20 times	
<b>Stop</b>  DVD VIDEO DVD AUDIO VIDEO CD	Touch [ ]. Touch [ ], and playback resumes where (Stop) was touched. To cancel resume, touch [ ] again while stopping.	Press [ ] (STOP). Press [ ] (PLAY) again, and play will resume from the point where [ ] (STOP) was pressed. (Continued playback function) To cancel continued playback, press [ ] (STOP) again in the stop mode.
	<b>Note:</b> When playing a DVD video, there are cases where it is not possible to return to the start of a chapter that spans 2 titles. (→ page 88)	
<b>Pause</b>  DVD VIDEO DVD AUDIO VIDEO CD	Touch [ ]. To resume playback, touch [ ] or [ ].	Press [ ] (PAUSE). To resume playback, press [ ] (PLAY) or [ ] (PAUSE) again.
	<b>Note:</b> Reverse slow playback is not possible.	
<b>Slow Playback</b>  DVD VIDEO VIDEO CD	Touch and hold [ ] during pause, and playback is at about 1/3 normal speed. Touch [ ] to resume normal playback. Touch [ ] to pause again.	Press and hold [ ] in the pause mode. Playback is at about 1/3 normal speed. To resume normal playback, press [ ] (PLAY). To pause, press [ ] (PAUSE) again.
	<b>Note:</b> Reverse slow playback is not possible.	
<b>Repeat Play</b>  DVD VIDEO DVD AUDIO VIDEO CD	Touch [ ]. Touch [ ] again to cancel.	Press [ ] (REPEAT). Press [ ] (REPEAT) again to cancel.
	<b>Note:</b> When playing a DVD video, there are cases where it is not possible to return to the start of a chapter that spans 2 titles. (→ page 88)	
<b>Random</b>  DVD AUDIO	Touch [ ]. Touch [ ] again to cancel.	Press [ ] (RANDOM). Press [ ] (RANDOM) again to cancel.
	Random playback is done in the same group.	
<b>Page</b>  DVD AUDIO	Touch [ ] to change the still image.	Press [ ] (SCROLL) to change the still image.

## Chapter/Title Selection

Operations	Panel During playback	Remote During playback
<b>DVD Menu/ Video CD Menu</b> Use this menu during playback to select content, audio, subtitle, etc., from a menu (the DVD/Video CD menu) that is unique to each disc.  	<ol style="list-style-type: none"> <li>Touch  : DVD Touch  : VCD</li> <li>Touch , , ,  to select the desired menu.</li> <li>Touch .</li> </ol> Touch  to return the previous display.	<ol style="list-style-type: none"> <li>Press <b>[DVD/SD MENU]</b>. (For the Video CD menu, press <b>[RET] (RETURN)</b>.)</li> <li>Press <b>[&lt;], [&gt;], [^] or [v]</b> to select the desired menu. For a DVD/Video CD with playback control (→ page 88), press <b>[0]</b> to <b>[9]</b>.</li> <li>Press <b>[ENTER]</b>.</li> </ol> To return the previous display, press <b>[RET] (RETURN)</b> .
<b>Title Menu</b> If the DVD has multiple titles recorded on it, it is possible to select the preferred title from the title menu to start playback.  	<ol style="list-style-type: none"> <li>Touch and hold  for more than 2 seconds.</li> <li>Touch , , ,  to select the desired title.</li> <li>Touch .</li> </ol> Touch  to return the previous display.	<ol style="list-style-type: none"> <li>Press and hold <b>[DVD/SD MENU]</b> for more than 2 seconds.</li> <li>Press <b>[&lt;], [&gt;], [^] or [v]</b> to select the desired title. For a DVD with playback control (→ page 88), press <b>[0]</b> to <b>[9]</b>.</li> <li>Press <b>[ENTER]</b>.</li> </ol> To return the previous display, press <b>[RET] (RETURN)</b> .
<b>Starting Playback from a Specific Chapter/Title/Group/Track</b>   blinks when the chapter/group selecting blinks when the title/track selecting  	<ol style="list-style-type: none"> <li>Touch  to select input mode.</li> <li>Touch  to input desired title/chapter/group/track number. To input the number again, touch .</li> <li>Touch  or . Playback will start.</li> </ol>	<ol style="list-style-type: none"> <li>Press <b>[GRP] (TRACK/TITLE/CHAPTER)</b> to select the input mode. The mode changes as shown at right every time <b>[GRP] (TRACK/TITLE/CHAPTER)</b> is pressed.</li> <li>Press <b>[0]</b> to <b>[9]</b> to input desired title/chapter/group/track number. To input the number again, press <b>[RET] (RETURN)</b>.</li> <li>Press <b>[GRP] (TRACK/TITLE/CHAPTER)</b>. Playback will start automatically.</li> </ol>

**DVD VIDEO:**  
Regular Mode → Chapter Number Input → Title Number Input

**DVD Audio:**  
Regular Mode → Track Number Input → Group Number Input

**Notes:**

- For VCD mode, press the numerical key to enter a number directly.
- If no operation is performed for 8 seconds after you have touched **[GRP]**, the display returns to regular mode.
- If the title/chapter/track/group number is inputted and no operation is performed for 2 seconds, playback will start from the number of the title/chapter/track/group entered.

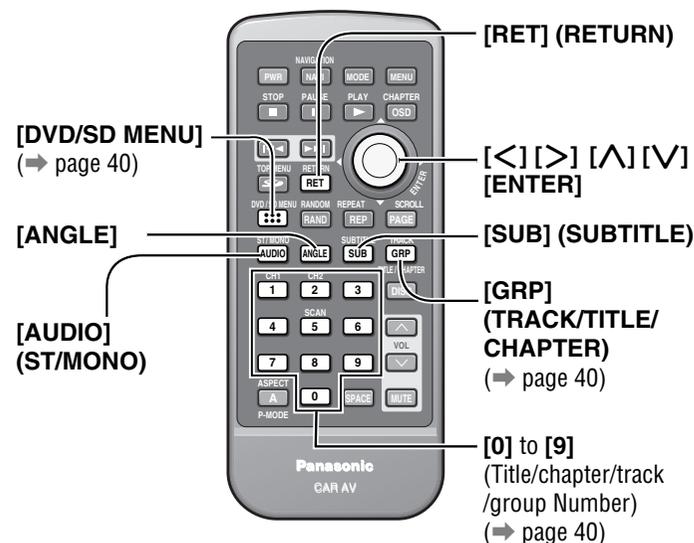
**Playing bonus groups**  
Some discs contain bonus groups. If a password screen appears after selecting a group, enter the password with the numbered buttons. Refer also to the disc's jacket.

## Useful Functions

**Note:** When there are no play buttons you want to operate, touch .

Operations	Panel	Remote
<b>Switching the Subtitle Language</b>  	Touch . (only for DVD VIDEO)	Press <b>[SUB] (SUBTITLE)</b> during playback.  It is possible to change the subtitle language during play if multiple languages are recorded on the disc. <b>Note:</b> There may be a brief delay before the subtitles appear.
<b>Switching the Audio Language</b>  	Touch .	Press <b>[AUDIO]</b> during playback.  It is possible to change the audio language during play if multiple audio languages are recorded on the disc.
<b>Switching the Angle</b>  	Touch . (only for DVD VIDEO)	Press <b>[ANGLE]</b> during playback.  For DVDs which contain scenes which have been shot simultaneously from a number of different angles the same scene can be viewed from each of these different angles during play.
<b>Switching between Stereo and Monaural</b>  	Touch .	Press <b>[AUDIO] (ST/MONO)</b> . It is possible to switch the audio between stereo sound and monaural sound (L or R).  <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>STEREO</b> : stereo sound</p> <p>↓</p> <p><b>MONO.L</b> : the left channel audio is output on both the left and right speakers.</p> <p>↓</p> <p><b>MONO.R</b> : the right channel audio is output on both the left and right speakers.</p> </div>

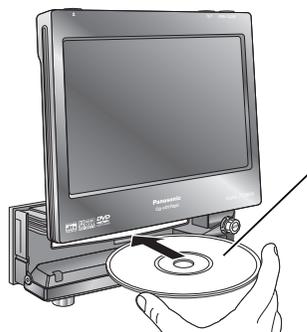
**Note:** Operation symbols will be change whenever they are touched.



- Notes:**
- If no operation is performed for 5 seconds, the display returns to the regular mode.
  - This unit can perform playback only in 2-channel stereo for the 192 kHz DVD audio format.  
Use the "Prologic II" function for the multi-channel playback with this format.
  - It may not be possible to switch the language unless the unit is at the DVD menu (→ page 40) or is at the DVD settings. (→ page 67)
  - The language on the DVD settings takes priority when the power is turned on or the disc is loaded. (→ page 67)
  - The number of languages depends on the disc. Some discs have only one language or have no language.
  - About DVD Video/Audio Wide Dynamic Range (→ page 73)

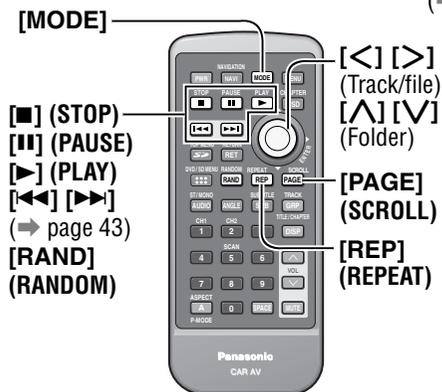
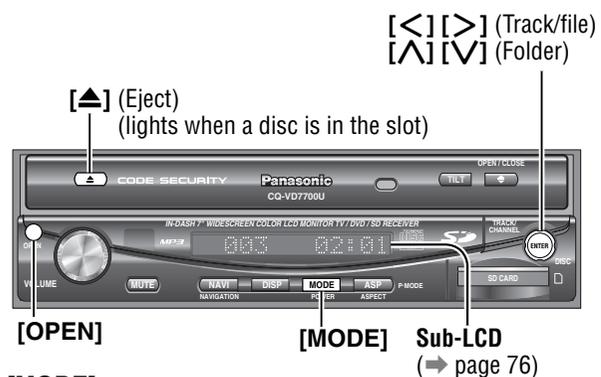
# CD/MP3 Player

When not in operation mode, Touch the center of touch panel [Area A] to show operation display. (→ page 24)



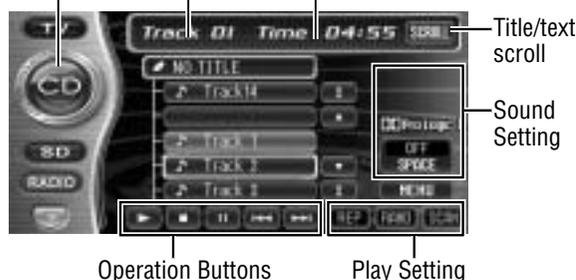
Label side

**Caution:** When the disc is inserted or ejected, to prevent disc scratches never exert any downward force on the disc.



## CD/MP3 mode display

Mode display Track Number Playing time



## Disc Insert

1 Press [OPEN] to open the front panel.

2 Insert a disc horizontally and gently.

**When a CD or MP3 disc is in the player, press [MODE] or touch a symbol to change to CD or MP3 disc player mode and playback starts.**

### Notes:

- Do not insert a disc when disc indicator or eject button lights because a disc is already loaded.
- The power will be turned on automatically when a disc is loaded.
- You can play a disc even if the monitor is closed.
- To prevent disc scratches, never exert the downward force on the disc when inserting or ejecting.

### Cautions:

- Please refer to page 87 for disc-related matters.
- Do not insert foreign matter into the disc slot.
- Do not pinch your finger or hand in the front panel.

## Disc Eject

1 Press [OPEN] to open the front panel.

2 Press [Eject] to stop playback and eject the disc. (Press [Eject] again to reload the disc.)

**Note:** If you leave a disc in the slot for more than 30 seconds after its ejection, the disc will be automatically reloaded after a loud beep is emitted three times.

## Folder and File Selection MP3

### Panel

- Touch [ ] (folder name) to select a folder.
  - [ ] , [ ] : scrolls up/down the file list by 1 page.
  - [ ] , [ ] : scrolls up/down the file list by 1 line.
- Touch [ ] (file name) to play.

### Remote

- Press [ENTER] during playback.
- Press [<], [>], [^] or [v] to select a folder.
  - [<] [>]: movement among different levels of trees
  - [^] [v]: movement in the same tree
- Press [ENTER].



[ ] : MP3 file  
[ ] : Folder  
(Lighted up symbols include MP3 files.)

**Note:** It is not possible to display the whole tree and file list in a folder.

**For "Folder selection order/MP3 file playback order".** (→ page 45)

CD MP3 Indicates compatible disc types.

## Basic Operations

Operations	Panel	Remote	
Go to Beginning CD MP3	[<<] [>>]	[>>] [<<]	Next track/file Beginning of the current track/file Previous track/file (Touch/press twice.)
Fast Forward/ Fast Reverse CD MP3	[>>>] [<<<]	[>>>] [<<<]	Touch/Press and hold. Fast forward Fast reverse Release to resume playback.
Folder Selection MP3	[ ] (see previous page)	[^] [v]	Next folder Previous folder <b>When the file list is displayed:</b> [^]: previous folder [v]: next folder
Title Scroll CD MP3	SCROLL	[PAGE] (SCROLL)	Touch/Press.
Stop CD MP3	[ ]	[ ] (STOP)	Touch/Press.
Pause CD MP3	[ ]	[ ] (PAUSE)	Touch/Press. To resume playback, Touch/Press [ ]/[ ] (PLAY) or [ ]/[ ] (PAUSE) again.
Repeat Play CD MP3	REP* or F.REP	[REP] (REPEAT)	Touch/Press. Touch/Press again to cancel. <b>Current File</b> Touch/Press. Touch/Press again to cancel. <b>Current Folder</b> Touch/Press and hold for more than 2 seconds. Touch/Press and hold again to cancel.
Scan Play CD	SCAN	[5] (SCAN)	Touch/Press. Touch/Press again to cancel.
Random Play CD MP3	RAND* or F.RAND	[RAND] (RANDOM)	Touch/Press. Touch/Press again to cancel. <b>All Files</b> Touch/Press. Touch/Press again to cancel. <b>All Files in the Current Folder</b> Touch/Press and hold for more than 2 seconds. Touch/Press and hold again to cancel.

**Note:** It is possible to press [<] [>] on the display unit instead of [<<] [>>] on the remote control.

\*Touch Panel symbols will change to indicate current mode.

# CD/MP3 Player (continued)

This player allows you to play MP3 files recorded on CD-ROMs, CD-Rs (Recordable), CD-RWs (Rewritable).

## What is MP3?

MP3, short for MPEG-1 Audio Layer 3, MPEG-2 Audio Layer 3 LSF (Low Sampling Frequency), is a standard for compressing digital audio data adopted for video CDs and similar media. It is one of the audio compression systems covered by MPEG's (Motion Picture Experts Group) digital audio compression standards. What it does is reduce the number of bytes in a song without detracting from the sound quality by eliminating big sound waves within the sound range that are imperceptible to the human ear. This compression allows you to reduce the contents of a conventional music CD by a factor of around 10. This means that you can record the contents of 10 music CDs on a single CD-R or CD-RW. (The figures refer to data recorded on a 650 MB CD-R or CD-RW at a fixed bit rate of 128 kbps and a sampling frequency of 44.1 kHz.)

## Points to Remember When Recording an MP3 Disc

### ■ Converting (encoding) audio data to an MP3 file

- It is recommended that you set the bit rate to "128 kbps or more" and "Fixed".
- Bit rate of 8 kbps for MPEG-2 and sampling frequency of 16 kHz for MPEG-2 can not be reproduced.
- VBR (Variable Bit Rate) is not supported.
- The playback sound quality differs depending on the encoding software and the bit rate. For details refer to the user manual of your encoding software.

### ■ Recording MP3 files on a CD-R/RW

- Do not record files other than MP3s or unnecessary folders on a disc. If many folders or files other than MP3s are recorded on a disc, it may take some time before playback starts.
- Use ISO 9660 file system (Extension of the ISO 9660 file systems are included.) (⇒ page 45). APPLE HFS file system is not supported. If files do not conform to ISO 9660 file system, they may not play normally, or the file or folder names may not be displayed correctly.
- Make sure to add the ".mp3" extension to each MP3 file name. A file with a different file name extension or none at all will not play.
- Although Multi session recording is supported, the use of Disc-at-Once is recommended. Make sure to close the session when you finished recording on a disc.
- Discs recorded by the packet writing software are not supported.
- A playlist function is not supported. Record files and folders in the order in which you want them to be played. Some writing software lets you specify the recording order by adding a prefix in the range of "01" - "99", etc. to the file name. For details refer to the user manual of your writing software.

#### Notes:

- You may encounter trouble in playing MP3s or displaying the information of MP3 files recorded with certain writing software or CD recorders (CD-R/RW drives).
- If a disc contains both MP3 and CD-DA, only CD-DA data is reproduced properly. (MP3 files are played but no sound is output).

**Warning:** Never assign the ".mp3" file name extension to a file that is not in the MP3 format. This may produce noise from the speakers and cause speaker damage and can damage your hearing.

## Folder selection order/MP3 file playback order (Example)

The diagram illustrates the folder selection and playback order. It shows a photo of the player's screen displaying a folder structure. A legend indicates that a folder icon with a musical note means 'MP3 files are included' and a plain folder icon means 'No MP3 files'. A tree diagram shows the selection path: Root (1) -> Tree 1 (2) -> Tree 2 (3) -> Tree 3 (4). The current playing file is 'The song of spring' in folder 4. A second tree diagram shows a different selection path: Root (1) -> Tree 1 (3) -> Tree 2 (5). Notes explain that the unit counts folders regardless of MP3 file presence and that playback order may differ from other players.

## Maximum number of files/folders

- Maximum number of trees: 8
- Maximum number of folders: 254 (Root folder is not included.)
- Maximum number of files: 512

**Note:** If the number of files and folders exceeds the number mentioned above, successful playback may not be performed.

## Supported file systems and file names

Supported file system	Displayable folder names and file names
ISO 9660 Level 1/Level 2	<p><b>Name files and folders in accordance with the standard of each file system. Refer to the instructions of writing software for details.</b></p> <ul style="list-style-type: none"> <li>● This player can display file names of up to 31 ASCII characters set in scroll mode.</li> <li>* Up to 15 letters can be displayed when scrolling in the Joliet system. According to the standard, "ã", "ç", etc. can be used. However, this unit can not display those letters.</li> <li>● The unit recognizes only the ASCII character set. Chinese characters, accented French characters and accented Spanish characters will be converted into asterisks.</li> </ul>
Joliet*	
Romeo	
Apple Extension to ISO 9660	

**Note:** MP3 encoding software and writing software are not supplied with this model.

## Copyright

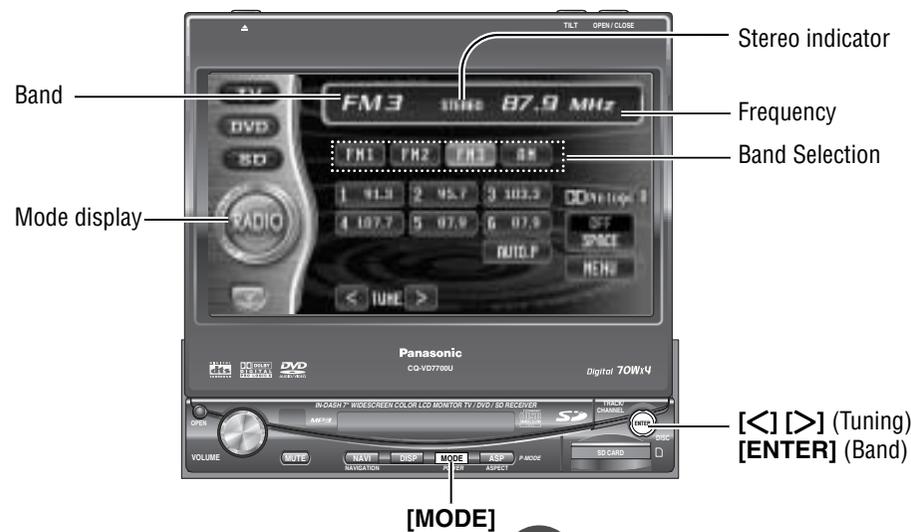
It is prohibited by copyright laws to copy, distribute and deliver copyrighted materials such as music without the approval of the copyright holder except to enjoy yourself personally.

## No warranty

Above description complies with our investigations as of December 2003. There is no warranty for reproducibility and displayability of MP3.

# Radio

When not in operation mode, Touch the center of touch panel **[Area A]** to show operation display. (→ page 24)



## 1 Radio Mode

**Panel**

Touch **RADIO**.

**Remote**

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

## 2 Band

**Panel**

Touch **FM1**, **FM2**, **FM3** or **AM**.

**Remote**

Press **[ENTER]** to change band.

**Note:** The stereo indicator lights during reception of an FM stereo broadcast.

## 3 Tuning

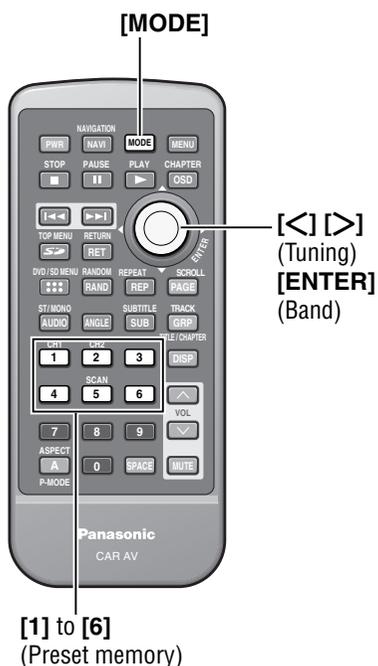
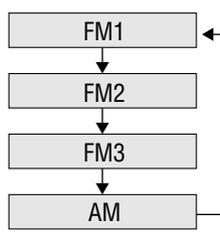
**Panel**

Touch **>** TUNE : up  
**<** TUNE : down

**Remote**

**>**: up  
**<**: down

Touch/press and hold **>** or **<** for more than 0.5 seconds, then release. Seeking will start and stop at next available station.



## One-touch Selection of a Station

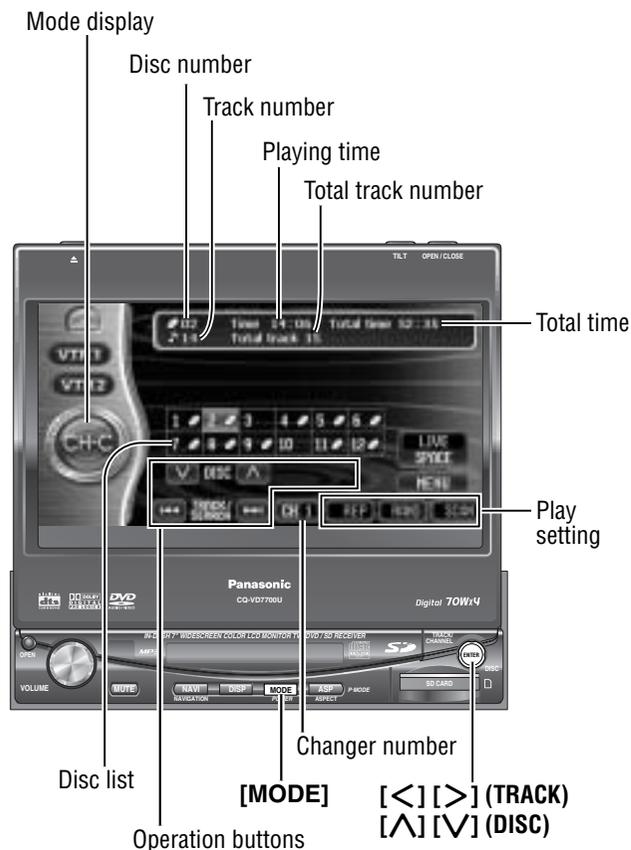
Up to 6 stations can be saved in each FM1, FM2, FM3 and AM preset station memories.

Operations	Panel	Remote
<b>Manual Preset Memory</b>	<p>Select a band and frequency (step 2 and 3 on the previous page).</p> <p>Touch and hold <b>[1]</b> to <b>[6]</b> for more than 2 seconds.</p> <p>The frequency blinks once, and the station is saved in the memory.</p>	<p>Press and hold <b>[1]</b> to <b>[6]</b> on the remote control for more than 2 seconds.</p> 
<b>Auto Preset Memory</b>	<p>Select a band. (step 2 on the previous page)</p> <p>Touch and hold <b>AUTO.P</b> for more than 2 seconds.</p> <ul style="list-style-type: none"> <li>The 6 stations with good reception will be automatically saved in the memory under preset numbers 1 to 6.</li> <li>Once set, the preset stations are sequentially scanned for 5 seconds each.</li> <li>To stop the scanning, touch or press numbers [1] to [6].</li> </ul>	<p>Press and hold <b>[ENTER]</b> for more than 2 seconds.</p>
<b>Preset Station Calling</b>	<p>Select a band. (step 2 on the previous page)</p> <p>Touch <b>[1]</b> to <b>[6]</b>.</p>	<p>Press <b>[1]</b> to <b>[6]</b> on the remote control.</p>

**Note:** New stations overwrite existing saved stations after following this procedure.

# CD Changer Control

When not in operation mode, Touch the center of touch panel [Area A] to show operation display. (→ page 24)



**CD changer functions are designed for an optional Panasonic CD changer unit. Read the operating instructions for CD changer as well.**  
**Preparation:** Connect the CD changer (→ Installation instructions), and load a magazine (disc).

- Notes:**
- The power will be turned on automatically when a magazine is loaded.
  - Load a magazine with CDs when "NO MAGAZINE" is displayed.
  - **CD text is not supported in CD changer mode.**
  - **CD changer cannot play MP3 data recorded CD-R/RW discs.**

**Caution:** Please refer to page 87 for disc-related matters.

## CD Changer Mode

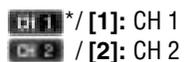
Press [MODE] to change to CD changer mode and playback starts.

## System Expansion

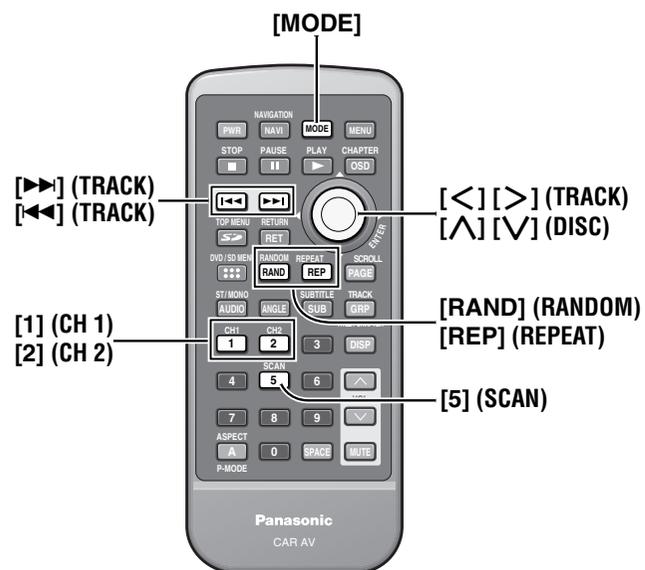
The use of Dual CD Changer Selector CA-CD55 (option) allows you to make the following connections. (→ Installation Instructions)

### Dual changers connection

Two changers can be connected to the terminals of CA-CD55 respectively. The changers are arranged as follows.



\* Touch panel symbols will change to indicate these current mode.



## Basic Operations

Operations	Panel	Remote	
<b>Track Selection</b>	[▶▶] [◀◀]	[▶▶] (TRACK) [◀◀] (TRACK)	Next track Beginning of the current track Previous track (Touch/Press twice.)
<b>Disc Selection</b>	[^] [v]	[^] (DISC) [v] (DISC)	Next disc Previous disc
<b>Fast Forward/ Fast Reverse</b>	[▶▶] [◀◀]	[▶▶] [◀◀]	Touch/Press and hold. Fast forward Fast reverse Release to resume playback.
<b>Random Play</b>	[RAND] * or [D.RAND]	[RAND] (RANDOM)	<b>All Tracks</b> Touch/Press. Touch/Press again to cancel. <b>All Tracks on the Current Disc</b> Touch/Press and hold for more than 2 seconds. Touch/Press and hold again to cancel.
<b>Scan Play</b> The first 10 seconds of each track will be played.	[SCAN] * or [D.SCAN]	[5] (SCAN)	<b>All Tracks</b> Touch/Press. Touch/Press again to cancel. <b>1st Track on Each Disc</b> Touch/Press and hold for more than 2 seconds. Touch/Press and hold again to cancel.
<b>Repeat Play</b>	[REP] * or [D.REP]	[REP] (REPEAT)	<b>Current Track</b> Touch/Press. Touch/Press again to cancel. <b>Current Disc</b> Touch/Press and hold for more than 2 seconds. Touch/Press and hold again to cancel.

**Note:** It is possible to press [<>] on the display unit instead of [◀◀] [▶▶] on the remote control.

\* Touch panel symbols will change to indicate these current mode.

# SD-Card Player

## Notes on SD-Card

### IMPORTANT

- If you have saved still image and/or moving image data on SD Memory Cards by yourself using a PC, you may not be able to play images unless you have configured the folders correctly and named the folders and files correctly. For further detail, refer to the next page.
- When playing music using an SD card, play the SD Audio files which were written on the card using SD-

### Jukebox (option).

- If you have saved data on SD cards using "Panasonic SD Multi AV Device", for instance, which is available as an optional accessory, the data can be played by the unit straight way.
- Use SD card with a memory size of 512 MB or less.

## Playable data formats on the SD-Card

CQ-VD7700U/VD7500U can treat the following data formats.

**Still Pictures:** JPEG files taken on digital cameras conforming to DCF standards. (set down by the Japan Electronics and Information Technology Industries Association.)



**Motion pictures:** MPEG4 files (ASF format) taken on a digital video camera or SD Multi AV Device.



### Notes:

- If the file list screen contains 7 or more files, press [▲], [▼], [←] or [→] to scroll to the next (or previous) page.
- When MPEG4 moving pictures are played back, mosaic-like patterns may occur or frames may be dropped during scenes with fast-moving subjects. This is normal and not a sign of trouble.



**Music (Audio files):** MP3 and AAC audio files recorded with "Panasonic Media Manager" or "SD-Jukebox" software included with Panasonic SD Multi AV Device and SD Audio Player.

### Notes:

- SD audio files written using a function other than SD-Jukebox may not be recognized.
- **MP3 audio files cannot be played. (However, this does not apply to MP3 files that were written using SD-Jukebox for use as SD audio files.)**
- This unit can neither record nor erase the data.
- Titles and names of the artists may not always appear on the display.
- If there are multiple numbers of still pictures that are tied in with SD-Jukebox, only the first still picture is displayed.
- It may not be possible for the unit to play back some kind of still pictures even when they are tied in with SD-Jukebox.



**Voice:** G.726 files recorded on a digital video camera or SD Multi AV Device.

### Notes:

- Some files are not compatible with this unit and can not be played back. For example: Motion picture files recorded using a digital still camera with motion picture function, IC recorder voice files etc.
- Under certain condition, some files may not be played back even if these are compatible ones.

## How to record play data on SD-Cards

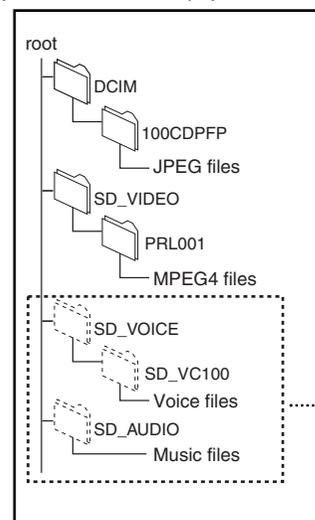
### Personal Computer

- You can copy Still pictures and Motion pictures to your SD-Card by connecting it to a computer with a USB SD-Card Reader/Writer (BN-SDCAP, option) or PC card adapter (BN-SDABP, option) When recording to an SD-Card on a computer. (Please refer to the "IMPORTANT" statement above.)

- If you have attached still pictures to an audio file (using SD-Jukebox Ver.3.0 or later, option) the unit can also show the first of these pictures.

### Other equipment (example: Digital still camera, IC Voice Recorder, Digital Camcorder)

The SD-Card recorded by some certain equipment (see previous page) can be played back on this unit without special procedures. This equipment creates folders and files in the following way:



### Naming rule for the recording files on SD-Cards.

#### JPEG still pictures

Example:

#### MPEG4 motion pictures

Example:

Make sure that none of the files in a folder have the same last 4 (or 3) characters These files can not be played back.

- SD\_VOICE and SD\_AUDIO are hidden folders created when you record voice or audio files, and play automatically on other equipment. This unit needs these folders on an SD-Card to play the files. Do not delete them on your computer.
- "DCIM", "SD\_VIDEO", "SD\_VOICE" and "SD\_AUDIO" are necessary to play files but have no effect on operation.
- You may be unable to play some files due to the origin of the copy, or the naming of folders and files.

## Treatments of SD-Card

### Cautions:

- Do not leave the SD-Card where they will be become hot or exposed to direct sunlight or where electric-magnetic waves or static electricity occurs readily.
- Keep the terminal area on the back of the cards free from dirt, water and foreign matter. Do not touch this area with your hands or any other objects.
- Static-Electricity or malfunctioning of the unit or the cards may cause the cards to be damaged or their data to be lost. It is recommended that valuable data be stored on the PC as well.

### Note:

#### Do not leave cards on the following places:

- Direct sunlight
- Near car heaters
- Dirty, dusty and damp areas
- Seats and dashboards

SD logo is a trademark.

Portions of this product are protected under copyright law and are provided a license by ARIS/SOLANA/4C. Licensed AAC Patents (U.S. patent under numbers);



- 08/937,950 5,394,473 5,579,430 5,481,614 5,299,238 5,581,654 5848391
- 5,583,962 08/678,666 5,592,584 5,299,239 05-183,988 5,291,557 5,274,740
- 98/03037 5,781,888 5,299,240 5,548,574 5,451,954 5,633,981 97/02875
- 08/039,478 5,197,087 08/506,729 5 400 433 5 297 236 97/02874 08/211,547
- 5,490,170 08/576,495 5,222,189 4,914,701 98/03036 5,703,999 5,264,846
- 5,264,846 5,717,821 5,357,594 5,235,671 5,227,788 08/557,046 5,268,685
- 08/392,756 5 752 225 07/640,550 5,285,498 08/894,844 5,375,189

# SD-Card Player (continued)

When not in operation mode, Touch the center of touch panel [Area A] to show operation display. (→ page 24)

## Playable Data

You can play the following types of data recorded on an SD-Card:

**Note:** In the SD mode, when the following operation is performed and then the SD mode is restored, the "MODE SELECT" screen will appear without failure.

- Power off
- ACC off
- Mode Change

Still pictures	Movie	Music	Voice
<b>JPEG</b> (DCF Standard)	<b>MPEG4</b> (ASF format)	<b>AAC</b>	<b>G.726</b>

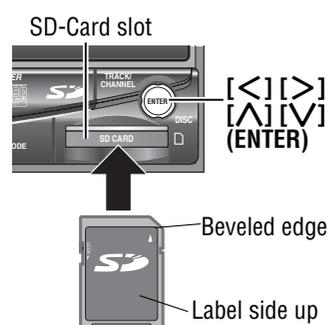
For details, (→ page 50).

### Notes:

- Play may not be possible sometimes due to the condition of the data.
- Operation is not guaranteed with Multi Media Card.
- All functions of SD Card Player cannot be operable only on the touch panel. Use buttons on the remote control and the main unit as well.

## Inserting the SD-Card

Insert and slide the card until it clicks into place.



### Cautions:

- Do not place your face in front of the slot when inserting and removing cards. The slot mechanism has a spring so the card may eject with force.
- Do not insert the SD-Card into the CD slot.
- Do not insert foreign materials into the SD-Card slot.

## SD Mode Selection

1 Select the SD.

**Panel** :

**Remote** : [MODE]

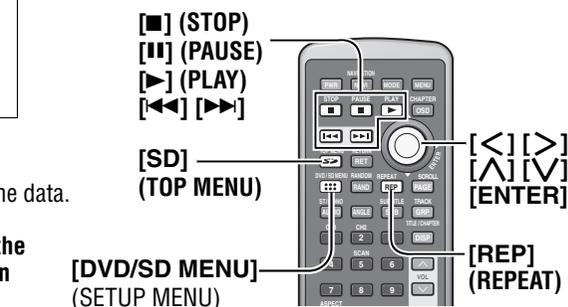


2 Select the data type.

**Panel** : Not available

**Remote** : [] or [] → [ENTER]

**Caution:** To prevent the data damage to the SD-Card, never eject the SD-Card while playing or turn the ACC off while the unit is using the card.



3 Select the playing data.

**Panel** : Not available

**Remote** : [], [], [] or [] → [ENTER]

## Go to SD Menu

**Panel** :

**Remote** : [SD] (TOP MENU)

## Go to SD Setup Menu\*

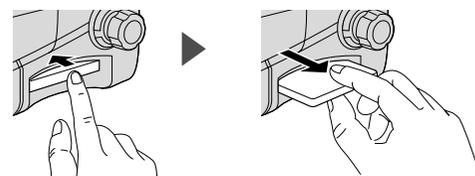
**Panel** :

**Remote** : [DVD/SD MENU] (SETUP MENU)

## Removing the SD-Card

Press on the center of the card to unlock, then pull straight out.

Press on the center. Pull straight out.



**Caution:** Do not keep the SD-Card in the slot at half-way to prevent the front panel from hitting the card when the front panel is opening or closing.

**Note:** Do not leave an SD-Card inserted inside the unit when it is not used.

Indicates compatible data types.

## Operation of SD-Card

**Note:** To record data on SD-Cards, (→ page 50).

Operations	Remote		
<b>Go to Beginning</b> 	[>>>] [<<<]	Next file Beginning of the current file Previous file (Press twice.)	
<b>Fast Forward/ Fast Reverse</b> 	[>>>] [<<<]	Press and hold. Fast forward Fast reverse Release to resume playback.	
<b>Play (Slideshow)</b> 	[▶] (PLAY)	Playback starts. The still pictures will be played back for 5 seconds each (Slideshow). (While the still picture playback screen is displayed.)	
<b>File Selection</b> 	[^][<] [v][>]	Select a file to play back.	
<b>Stop</b> 	[■] (STOP)	Press this to return to the file list screen.	
<b>Pause</b> 	[⏸] (PAUSE)	Press this to stop the playback temporarily.	
<b>REPEAT*</b> 	[DVD/SD MENU] → [^][<] [v][>]	<b>Current File</b> Select [1 FILE/MUSIC] in [REPEAT]. Select [OFF] in [REPEAT] to cancel. <b>ALL Files</b> Select [ALL] in [REPEAT]. Select [OFF] in [REPEAT] to cancel.	
<b>SELECT PLAYLIST*</b> 	[DVD/SD MENU] → [^][<] [v][>]	<b>DEFAULT PLAYLIST</b> All music files recorded are played back. (default) <b>PLAYLISTx</b> The selected playlist is played back. (If the PLAYLIST is recorded on the SD-Card.)	
<b>DISPLAY ON/OFF*</b> 	[DVD/SD MENU] → [^][<] [v][>]	<b>ON</b> The SD information display is set to ON. (default) <b>OFF</b> The SD information display is set to off.	
<b>SCREEN*</b> 	[DVD/SD MENU] → [^][<] [v][>]	<b>FULL</b> Enlarged screen (default) <b>NORMAL</b> Normal screen	

\* While the file list screen is displayed.

**Note:** It is possible to press [<] [>] on the display unit instead of [<<<] [>>>] on the remote control.

# MENU: User Settings

## MENU Operation

**Go to MENU**

- Panel** : Touch **[MENU]**.
- Remote** : Press **[MENU]**.

**Operations**

- Panel**
  - Touching a menu symbol: Item selection and adjust
  - [UP]** : previous menu.
  - [DOWN]** : Return to regular mode
- Remote**
  - [UP], [DOWN], [LEFT], [RIGHT]** : Item selection and adjust
  - [ENTER]** : Previous menu
  - [MODE]** : Return to regular mode

Menu selection order (⇒ page 245)

**Note:** The display returns to the previous status if there is no operation for more than 60 seconds after changing to the setting menu.

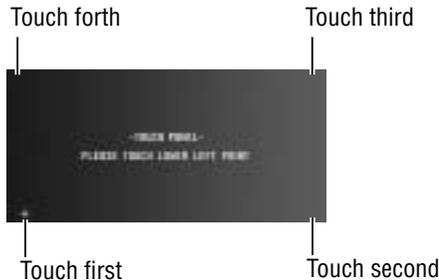
Menu	Setting Value	Operations
<b>DISPLAY UNIT</b> <b>TILT</b> (Monitor position) • Tilt angle adjustment	[1] [2] [3] [4] [5]  default: 5	<b>Panel</b> [LEFT] or [RIGHT] <b>Remote</b> [LEFT] or [RIGHT] * [1] to [5] keys are not available.
<b>OPEN/CLOSE</b> <b>Notes:</b> <ul style="list-style-type: none"> <li>For smooth adjustment, make sure to first return the lateral angle to the neutral position and then adjust the tilt angle.</li> <li>The monitor position setting menu can also be displayed by pressing the <b>[TILT]</b> button on the display unit for more than 2 seconds. (⇒ page 35)</li> </ul>	<b>MANUAL</b> <b>AUTO</b> default: MANUAL <b>AUTO:</b> The monitor is opened automatically when turning ON ACC. <b>MANUAL:</b> The monitor is not opened automatically.	<b>Panel</b> <b>MANUAL</b> or <b>AUTO</b> <b>Remote</b> [LEFT] or [RIGHT] ⇒ [ENTER] <b>Note:</b> You can also enter this setting menu by pressing and holding <b>[TILT]</b> button.

Menu	Setting Value	Operations
<b>USER</b> <b>BEEP</b> (Beep or no beep during operating)	<b>OFF</b> <b>ON</b> default: ON	<b>Panel</b> <b>OFF</b> <b>ON</b> <b>Remote</b> [LEFT] or [RIGHT] ⇒ [ENTER]
<b>GUIDANCE</b> Guidance appearance during video mode operation.  Guidance display	<b>ON</b> : guidance appears <b>OFF</b> : no guidance appears default: ON	<b>Panel</b> <b>OFF</b> or <b>ON</b> <b>Remote</b> [LEFT] or [RIGHT] ⇒ [ENTER]
<b>CLOCK</b> <b>DISPLAY</b> (Clock display)	<b>OFF</b> : clock display OFF <b>ON</b> : clock display ON ([12:00] is displayed before adjusting the clock.) default: OFF	<b>Panel</b> <b>OFF</b> or <b>ON</b> <b>Remote</b> [LEFT] or [RIGHT] ⇒ [ENTER]
<b>YEAR ADJUST</b> (Year adjustment) <b>MONTH ADJUST</b> (Month adjustment) <b>DAY ADJUST</b> (Day adjustment) <b>HOURLY ADJUST</b> (Hour adjustment) <b>MINUTE ADJUST</b> (Minute adjustment)	default: YEAR ADJUST: 2004 MONTH ADJUST: 1 DAY ADJUST: 1 HOUR ADJUST: AM12 MINUTE ADJUST: 0	<b>Panel</b> [LEFT] or [RIGHT] <b>Remote</b> [UP] or [DOWN] ⇒ [LEFT] or [RIGHT] ⇒ [ENTER] 

**Notes:**

- To starts the clock return to regular mode by pressing **[MODE]** or touching **[EXIT]**.
- Perform the setup of Daylight Saving Time manually.

# MENU: User Settings (continued)

Menu	Setting Value	Operations
<p><b>CALENDAR</b> (Calendar Display)</p> <p><b>Note:</b> The calendar is not editable. (e.g. Holidays cannot be marked.)</p>	<p><b>MONTH</b> default: Same as Clock</p> <p><b>YEAR</b> default: Same as Clock</p>	<p>Panel</p> <p>MONTH : &lt; or &gt;</p> <p>YEAR : √ or ^</p> <p>Remote</p> <p>MONTH : [&lt;] or [&gt;]</p> <p>YEAR : [√] or [^]</p> <p>This function executes no setting, only viewing.</p> 
<p><b>TOUCH PANEL</b> (Panel touch position adjustment)</p> <p>Position difference between the touching position and the displaying symbol position may appear in the following situations:</p> <ol style="list-style-type: none"> <li>The display position adjustment is executed.</li> <li>The system is initialized.</li> <li>The power is turned off soon after the touch panel is adjusted.</li> </ol> <p>For the cases above, readjust the touch panel position.</p> <p><b>Note:</b> This function can be performed on the touch panel.</p>	<p>This function is used only when there are some differences between the touching position and the symbol position displayed on the monitor. This function is not used ordinarily.</p> <ol style="list-style-type: none"> <li>Touch the four corners of the touch panel counterclockwise.</li> <li>Touch <b>END</b> to finish this setup. Touch <b>AGAIN</b> to retry.</li> </ol> 	

Menu	Setting Value	Operations
<p><b>ID-CODE</b> (ID Code Setting)</p> <p>Prior to operating this unit, it is advisable to assign a 4-digit ID code for security. (Make sure to use <b>four digits</b> for ID code.)</p> <p>Once the ID code has been set, the unit cannot be operated if the main power supply is disconnected then re-connected. It is electronically locked so that a thief can not use the stolen unit unless that person knows the code you have set.</p> <p>The ID code operation must be performed only by the person to whom the unit belongs.</p> <p><b>Generally, it is not necessary to enter the ID code each time when using the unit if it has never been disconnected from the main power supply (car battery).</b></p> <p><b>Note:</b> The ID code setting cannot be eliminated even by the memory clear function.</p>	<p><b>0</b> to <b>9</b> 4 digits numeric code default: none</p> <p><b>Caution:</b> Record your registered ID code and keep it in a secure location. If you forget it, you will be unable to use the unit. In case you forget the ID code, please consult your nearest Panasonic Servicenter.</p> <p><b>Note:</b> The inputted code is not displayed for your security.</p>	<p>Panel <b>0</b> to <b>9</b></p> <p>Remote <b>[0]</b> to <b>[9]</b></p> <p><b>How to set your ID code (for the first time)</b></p> <ol style="list-style-type: none"> <li>Enter an 4 digit ID code.</li> <li>Enter the same 4 digit ID code again.</li> </ol> <p><b>How to change your ID code</b></p> <ol style="list-style-type: none"> <li>Enter the preset (old) 4 digit ID code. If the wrong ID code is entered, a new ID code cannot be registered.</li> <li>Enter a new 4 digit ID code.</li> <li>Enter the new 4 digit ID code again.</li> </ol> <p><b>How to cancel the known ID code</b></p> <p><b>Note:</b> Should your unit ever require service, cancel your ID code before sending for repair.</p> <ol style="list-style-type: none"> <li>Enter the preset (old) 4 digit ID code. If the wrong ID code is entered, it is not possible to cancel the ID code function.</li> <li>Press and hold <b>[ENTER]</b> until "Complete!" is displayed. The ID code cancelling procedure is completed. The unit now works without an ID code.</li> </ol> <p><b>Note:</b> Refer to ID Code Input regarding how to enter the ID code. (→ page 6)</p> 
<p><b>MEMORY CLEAR</b></p> <p>All current memories are returned to default settings.</p> <p><b>Note:</b> In the SD mode, SD MENU settings are not returned to the default setting even when YES is selected as this setting.</p> <p><b>Caution:</b> Be aware that this setting restores the unit to default settings, so that all the memories and settings that you have set will be eliminated.</p>	<p><b>NO</b> : no memory clear. The display returns to the previous one.</p> <p><b>YES</b> : default settings</p> <p>default: NO</p>	<p>Panel</p> <p><b>YES</b> → <b>OK</b> : Memory clearance</p> <p><b>YES</b> → <b>CANCEL</b> : No Memory clearance</p> <p>Remote</p> <p>[&gt;] → [ENTER] → [&gt;] → [ENTER] : Memory clearance</p> <p>[&gt;] → [ENTER] → [&lt;] → [ENTER] : No Memory clearance</p>

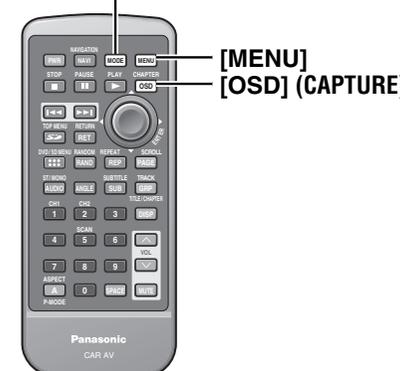
# MENU: Display (Screen) Settings

Menu	Setting Value	Operations
<div style="border: 1px solid black; padding: 2px;">SCREEN</div> <span>[LEFT]</span> : Previous menu <span>[EXIT]</span> : Exit		
<b>DIMMER</b>	<b>AUTO</b> : automatically adjusted according to ambient light intensity.  <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">4</div> </div> <div style="display: flex; justify-content: space-between; width: 100%; margin-top: 5px;"> <span>← Darker</span> <span>Brighter →</span> </div> <p style="text-align: right; margin-right: 20px;">default: AUTO</p>	<b>Panel</b> <span>[&lt;]</span> or <span>[&gt;]</span>  <b>Remote</b> <span>[&lt; &gt;]</span> or <span>[&gt; &lt;]</span>
<b>PICTURE</b> (Display Adjustment)	<span>[&lt;]</span> : Decrease the contrast between black and white  <span>[&gt;]</span> : Increase the contrast between black and white	<b>Panel</b> <span>[&lt;]</span> or <span>[&gt;]</span>  <b>Remote</b> <span>[^]</span> or <span>[v]</span> → <span>[&lt;]</span> or <span>[&gt;]</span>
<div style="border: 1px solid black; padding: 2px; width: fit-content;"><b>CONTRAST</b></div> (Adjust the image contrast)		
<div style="border: 1px solid black; padding: 2px; width: fit-content;"><b>BRIGHT</b></div> (Adjust the image brightness)	<span>[&lt;]</span> : Darken <span>[&gt;]</span> : Lighten	
<div style="border: 1px solid black; padding: 2px; width: fit-content;"><b>COLOR</b></div> (Adjust the image color depth)	<span>[&lt;]</span> : Lighten the depth of color on the display <span>[&gt;]</span> : Deepen the depth of color on the display	
<div style="border: 1px solid black; padding: 2px; width: fit-content;"><b>TINT</b></div> (Adjust the image tone or tint)	<span>[&lt;]</span> : Emphasize red in the color image <span>[&gt;]</span> : Emphasize green in the color image	
<b>LCD DIMMER</b> (SUB-LCD dimmer adjustment)	<b>LOW</b> : Darker <b>HIGH</b> : Brighter  default: HIGH	<b>Panel</b> <b>LOW</b> or <b>HIGH</b>  <b>Remote</b> <span>[&lt;]</span> or <span>[&gt;]</span> → <span>[ENTER]</span>
<b>LCD CONTRAST</b> (SUB-LCD contrast adjustment)	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">5</div> </div> <div style="display: flex; justify-content: space-between; width: 100%; margin-top: 5px;"> <span>Decrease ←</span> <span>→ Increase</span> </div> <p style="text-align: right; margin-right: 20px;">default: 4</p>	<b>Panel</b> <span>[&lt;]</span> or <span>[&gt;]</span>  <b>Remote</b> <span>[&lt;]</span> or <span>[&gt;]</span>

# MENU: Capture Function

Menu	Setting Value	Operations
<div style="border: 1px solid black; padding: 2px;">CAPTURE</div> <span>[LEFT]</span> : Previous menu <span>[EXIT]</span> : Exit		
<b>CAPTURE</b> (Image Capture)	<div style="border: 1px solid black; padding: 2px; width: fit-content;"><b>Select Save area</b></div> <b>IMAGE1</b> to <b>IMAGE5</b>	<b>Panel</b> <sup>①</sup> <span>[ENTER]</span> → <b>IMAGE1</b> , <b>IMAGE2</b>  ..... or <b>IMAGE5</b> → <sup>②</sup> <b>YES</b>  <b>Remote</b> <span>[ENTER]</span> → <span>[&lt;]</span> or <span>[&gt;]</span> → <span>[ENTER]</span> → <span>[&lt;]</span> or <span>[&gt;]</span>
Up to five images can be imported from TV, VTR, DVD or Video CD (VCD).  <b>Preparation:</b> Show the image that you would like to capture on the display.  <b>Note:</b> Refer to “Display mode changes” page to display the imported image on the screen. (→ page 26)	<ul style="list-style-type: none"> <li>You can store maximum five images.</li> <li>The existing image is replaced with a new image when saving it. Check the right-hand smaller image on the screen before saving a new one. If you would like to keep the existing image, do not overwrite.</li> </ul>	
<b>Copyright</b> It is prohibited by copyright laws to copy, distribute and deliver copyrighted materials such as commercial DVDs/Video CDs or other published or broadcast material without the approval of copyright holder except for personal use.  <b>Note:</b> A captured image may have some distortion or be otherwise different from the original image due to compression.	<b>Notes:</b> <ul style="list-style-type: none"> <li>Do not turn off the unit while saving an image.</li> <li>To capture an image from TV, the broadcasting condition should be fairly good.</li> </ul>	 <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <span>①</span> <span>②</span> </div>

[MODE] (End)



## Direct Image Capture (Only for remote control)

If you would like to capture a picture, press and hold **[OSD] (CAPTURE)** for more than 2 seconds. Subsequent steps are the same as the steps <sup>②</sup> described above.

# MENU: Capture Function (continued)

Menu	Setting Value	Operations
<p><b>CAPTURE</b></p> <p><b>INITIALIZE</b></p> <p>You can restore the default image and delete your captured image.</p>	<p><b>Select area</b></p> <p>IMAGE1 to IMAGE5</p>	<p>◀ ▶ : Previous menu EXIT : Exit</p> <p><b>Panel</b></p> <p>IMAGE1, IMAGE2 ..... or IMAGE5 →</p> <p><b>YES</b> : Restore the image. (delete your image)</p> <p><b>NO</b> : Restore no image.</p> <p><b>Remote</b></p> <p>[&lt;] or [&gt;] → [ENTER] → [&gt;] : Restore the image. (delete your image) [&lt;] : Restore no image. → [ENTER]</p>

# MENU: Animation Settings

Menu	Setting Value	Operations
<p><b>ANIMATION</b></p> <p>(Change the animation)</p> <p><b>Note:</b> This function is available only in non-video mode.</p>	<p><b>Animation patterns</b></p> <p>A B C</p> <p>Default: A</p>	<p>◀ ▶ : Previous menu EXIT : Exit</p> <p><b>Panel</b></p> <p>Touch A or B or C</p> <p><b>Remote</b></p> <p>[&lt;] or [&gt;] → [ENTER]</p>
<p><b>COLOR</b></p> <p>(Change the animation color)</p> <p><b>Note:</b> This function is available only in non-video mode (CD, MP3, Radio, CD Changer).</p>	<p><b>Animation colors</b></p> <p>A to H</p> <p>Default: A</p>	<p><b>Panel</b></p> <p>Touch A, B ..... or H</p> <p><b>Remote</b></p> <p>[^] or [v] → [&lt;] or [&gt;] → [ENTER]</p>  <p>Touch to select</p>

# MENU: Audio Settings (for VD7700U)

Menu	Setting Value	Operations
<p><b>AUDIO</b></p> <p>The level of each of the 15 frequency bands can be adjusted, and up to 6 different levels can be stored in the memory.</p> <p>◀ ▶ : Previous menu EXIT : Exit</p> <p><b>PARAMETRIC-EQ</b></p> <p>(Adjusting the Level for Each of the Frequency Bands: EQ=Equalizer)</p> <p><b>MODE</b></p> <p>(Select the method of setting)</p>	<p><b>ALL</b> : Same settings are used for all speakers</p> <p><b>Professional</b> : Each speaker can be set. Default: ALL</p>	<p><b>Panel</b></p> <p>ALL or Professional</p> <p><b>Remote</b></p> <p>[&lt;] or [&gt;] → [ENTER]</p>
<p><b>SPEAKER</b></p> <p>(Select the speaker to adjust)</p> <p>(For Professional )</p>	<p>FRONT, CENTER, SUR</p> <p>Default: FRONT</p>	<p><b>Panel</b></p> <p>&lt; or &gt;</p> <p><b>Remote</b></p> <p>[^] or [v] → [&lt;] or [&gt;]</p>
<p><b>BAND</b></p> <p>(Select a frequency band of the preset equalizer to adjust)</p>	<p><b>LOW</b> : 40/63/80/100/160 Hz</p> <p><b>MID</b> : 315/500/630/800/1.25k Hz</p> <p><b>HIGH</b> : 2.5k/4k/5k/6.3k/10k Hz</p> <p>Default: LOW</p>	
<p><b>FREQ</b></p> <p>(Select the center frequency of the setting band)</p>	<p>40/63/80/100/160 Hz (LOW) 315/500/630/800/1.25k Hz (MID) 2.5k/4k/5k/6.3k/10k (HIGH)</p> <p>Default: 40 Hz</p>	
<p><b>GAIN</b></p> <p>(Adjust the gain in each frequency)</p>	<p>-12 to +12 dB (by 2 dB step)</p> <p>Default: ±0 dB</p>	
<p><b>WIDTH</b></p> <p>(Select a width of the frequency band to adjust the gain)</p> <p><b>Note:</b> These equalizer settings are not applied to the sub-woofer.</p>	<p>1 to 4</p> <p>Default: 4</p>	

(continued on next page →)

# MENU: Audio Settings (for VD7700U) (continued)

Menu	Setting Value	Operations
<p><b>PARAMETRIC-EQ</b> (continued)</p> <p><b>PRESET</b></p> <p>(Recall or preset the equalizer setting)</p> <p><b>Note:</b> These equalizer settings are not applied to the sub-woofer.</p>	<p><b>ALL</b> : 1 to 3 (Preset number), 7 (FLAT)</p> <p><b>Professional</b> : 4 to 6 (Preset number), 7 (FLAT)</p> <p><b>Note:</b> When selecting "7 (FLAT)", the preset level is set to 0 dB.</p> <ul style="list-style-type: none"> <li>The new level adjustment will overwrite the previous level adjustment, erasing it in the process.</li> </ul>	<p><b>Panel</b></p> <p><b>1</b> to <b>7 FLAT</b></p> <p><b>Remote</b></p> <p>[^] or [v] → [&lt;] or [&gt;]</p> <p>or</p> <p>[1], [2], [3] ..... [7]</p> <p><b>To store a level adjustment in the memory (preset memory)</b></p> <p><b>Panel</b></p> <p>① Make adjustments before memorizing.</p> <p>② Touch and hold preset button <b>1</b> to <b>6</b> for more than 2 seconds.</p> <p><b>Remote</b></p> <p>① Make adjustments before memorizing.</p> <p>② Press and hold preset button [1] to [6] for more than 2 seconds.</p>
<p><b>PRO LOGIC II</b> (5.1 channel listening in Dolby surround sound)</p> <p><b>MODE</b></p> <p>(Select a sound type)</p>	<p><b>OFF</b>, <b>MOVIE</b>, <b>MUSIC</b>, <b>MATRIX</b> default : OFF</p> <p><b>Notes:</b> "PANORAMA", "DIMENSION" and "CENTER WIDTH" are adjustable when "MODE" is set to "MUSIC".</p>	<p><b>Panel</b></p> <p><b>OFF</b> or <b>MOVIE</b> or <b>MUSIC</b> or <b>MATRIX</b></p> <p><b>Remote</b></p> <p>[^] or [v] → [&lt;] or [&gt;] → [ENTER]</p>
<p><b>PANORAMA</b></p> <p>Get large the sound space in the "MUSIC" mode.</p>	<p><b>OFF</b>, <b>ON</b></p> <p>default : OFF</p>	<p><b>Panel</b></p> <p><b>OFF</b> or <b>ON</b></p> <p><b>Remote</b></p> <p>[^] or [v] → [&lt;] or [&gt;] → [ENTER]</p>
<p><b>DIMENSION</b></p> <p>(Adjust the dimension of the sound in "MUSIC" mode)</p>	<p>-3 to +3</p> <p>default : ±0</p>	<p><b>Panel</b></p> <p>[&gt;] : UP</p> <p>[&lt;] : Down</p>
<p><b>CENTER WIDTH</b></p> <p>(Widen the sound field of the center speaker in "MUSIC" mode)</p>	<p>0 to 7</p> <p>default : 0</p>	<p><b>Remote</b></p> <p>[^] or [v] → [&lt;] or [&gt;]</p>

**Note:** Effective for 2-channel audio (LPCM, PPCM, Dolby Digital/dts 2-channel) and analog audio (TV, VTR, radio, CD changer).

Menu	Setting Value	Operations
<p><b>DOWN MIX</b></p> <p>(Changing Dolby digital/dts Audio to 2-Channel Stereo Playback)</p> <p><b>Note:</b> This function is available only when "Dolby digital" or "dts" source is playing.</p>	<p><b>OFF</b> : Original Source Output</p> <p><b>ON</b> : 2-channel conversion output</p> <p>default : OFF</p>	<p><b>Panel</b></p> <p><b>OFF</b> or <b>ON</b></p> <p><b>Remote</b></p> <p>[&lt;] or [&gt;] → [ENTER]</p>
<p><b>DR COMP</b> (Dynamic Range Compression)</p> <p>(Maintaining the ambience even while listening at a low volume level)</p>	<p>Compression style selecting (→ page 73)</p> <p>OFF : DR COMP OFF</p> <p>STD: DR COMP ON</p> <p>MIN: Made with the greatest compression, roughly equivalent to a TV broadcast.</p> <p>default : OFF</p>	<p><b>Panel</b></p> <p><b>OFF</b> or <b>STD</b> or <b>MIN</b></p> <p><b>Remote</b></p> <p>[&lt;] or [&gt;] → [ENTER]</p>
<p><b>SP SETUP</b> (Speaker Setup)</p> <p>(Setting the absence/presence and size of each speaker)</p> <p><b>FRONT</b></p> <p>(Front speaker setting)</p>	<p><b>LARGE</b> : for large speakers, when bass playback is possible (at least 100 Hz or lower)</p> <p><b>SMALL</b> : for small speakers, or when bass playback is not possible</p> <p>default: LARGE</p>	<p><b>Panel</b></p> <p><b>FRONT</b> → <b>SMALL</b> or <b>LARGE</b></p> <p><b>Remote</b></p> <p>[^] or [v] → [&lt;] or [&gt;] → [ENTER]</p>
<p><b>CENTER</b></p> <p>(Center speaker setting)</p> <p>A center speaker (option, EAB-CF2 recommended) is required.</p>	<p><b>LARGE</b> : for large speakers, when bass playback is possible (at least 100 Hz or lower)</p> <p><b>SMALL</b> : for small speakers, or when bass playback is not possible</p> <p><b>NONE</b> : when not using a center speaker</p> <p>default: SMALL</p>	<p><b>Panel</b></p> <p><b>CENTER</b> → <b>NONE</b> or <b>SMALL</b> or <b>LARGE</b></p> <p><b>Remote</b></p> <p>[^] or [v] → [&lt;] or [&gt;] → [ENTER]</p>

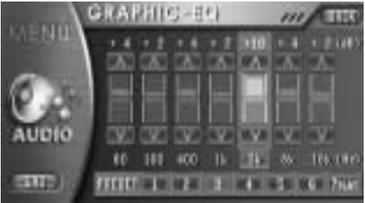
(continued on next page →)

# MENU: Audio Settings (for VD7700U) (continued)

Menu	Setting Value	Operations
<b>AUDIO</b> <b>SP SETUP</b> (continued) <b>SURROUND</b> (Surround speaker setting)	<b>LARGE</b> : for large speakers, when bass playback is possible (at least 100 Hz or lower) <b>SMALL</b> : for small speakers, or when bass playback is not possible <b>NONE</b> : when not using surround speakers default: LARGE	[PREV] : Previous menu [EXIT] : Exit <b>Panel</b> <b>SURROUND</b> → <b>NONE</b> or <b>SMALL</b> or <b>LARGE</b> <b>Remote</b> [^] or [V] → [<] or [>] → [ENTER]
<b>SUB • W</b> (Subwoofer speaker setting)  A subwoofer (option, CJ-SW38 recommended) is required. A power amplifier (option) is also required for connecting a subwoofer.	<b>YES</b> : when using a subwoofer <b>NO</b> : when not using a subwoofer default: NO	<b>Panel</b> <b>SUB • W</b> → <b>NO</b> or <b>YES</b> <b>Remote</b> [^] or [V] → [<] or [>] → [ENTER]
<b>SP LEVEL</b> (Speaker Level) (Adjusting the output balance of each speaker) <b>FRONT L</b> (Left front speaker output balance) <b>CENTER</b> (Center speaker output balance) <b>FRONT R</b> (Right front speaker output balance) <b>R • SURROUND</b> (Right surround speaker output balance) <b>L • SURROUND</b> (Left surround speaker output balance) <b>SUB • W</b> (Subwoofer speaker output balance)	Setting range: -12 dB to +12 dB (1 dB steps) Default: ± 0 dB for all speakers  <b>A test signal (a continuous tone) is output from each speaker for approximately two seconds. Adjust the output balance so that the tone appears to have the same volume from each speaker.</b>  <b>Adjusting the output balance:</b> Adjust the volume of all of the other speakers to the volume level of the speaker from which the test signal appears to be the quietest. • If the speaker setting is "NONE" or "NO" for a speaker, the test signal is not output and that speaker cannot be selected. (→ page 63) • Turn [VOLUME] or press [^] or [V] (VOLUME) to adjust the volume of the test signal.	<b>Panel</b> ① Touch the image of the speaker you want to set. ② [>] : UP [<] : Down  Touch to select  <b>Remote</b> ① [^] or [V] ② [>] : UP [<] : Down

Menu	Setting Value	Operations
<b>AUDIO</b> <b>SP DELAY</b> (Speaker Delay) (Adjusting the timing with which the audio from each speaker reaches the listener's position) <b>CENTER</b> (Center speaker delay time setting) <b>SURROUND</b> (Surround speaker delay time setting)  • Make this adjustment while listening to sound. • If the speaker setting is "NONE" for a speaker, that speaker cannot be selected. (→ page 63)	Setting range: Center speaker... 0 ms to 5 ms (1 ms steps) Surround speakers... 0 ms to 15 ms (1 ms steps)  1 ms = 0.001 seconds  Default: 0 ms for all speakers	<b>Panel</b> ① Touch a speaker image. (Center or Surround) ② [>] : Long [<] : Short <b>Remote</b> ① [^] or [V] ② [>] : Long [<] : Short
<b>VTR LEVEL</b> (Setting the VTR (VTR1/VTR2) input Level)  Make this setting if it is not possible to adjust the volume through the connected device (on the output side).  <b>Note:</b> This setting is adjustable for an external device that is connected to VTR1 or VTR2. (e.g. VCR)	← Lower Higher → [-6 dB] [-4 dB] [-2 dB] [±0 dB] [+2 dB] [+4 dB] [+6 dB] : Input level default: ±0 dB	<b>Panel</b> [<] : Lower [>] : Higher <b>Remote</b> [<] : Lower [>] : Higher
<b>Notes:</b> • If the input level from VTR1/VTR2 is too high, the audio will not be output normally. Adjust the input level so that "OVER" does not appear. • <b>After setting the input level</b> The volume can be adjusted by turning the volume knob or pressing [^] or [V] (VOLUME) on the remote control.		

# MENU: Audio Settings (for VD7500U)

AUDIO		
Menu	Setting Value	Operations
<p><b>GRAPHIC-EQ</b> (Adjusting the Level for Each of the Frequency Bands: EQ=Equalizer)</p> <p>The level of each of the 7 frequency bands can be adjusted, and up to 6 different levels can be stored in the memory.</p> <p><b>Note:</b> These equalizer settings are not applied to the sub-woofer.</p> 	<p>Frequency band</p> <p>60 Hz 160 Hz 400 Hz 1 kHz 3 kHz 6 kHz 16 kHz</p> <ul style="list-style-type: none"> <li>When a level adjustment has been stored in a preset button, a preset number will appear. (The new level adjustment will overwrite the previous level adjustment, erasing it in the process.)</li> </ul> <p>Adjustment range: -12 dB to +12 dB (in 2 dB steps) Default: ±0 dB for each band</p>	<p>◀ : Previous menu ▶ : Exit</p> <p>• <b>Presetting</b></p> <p><b>Panel</b></p> <ol style="list-style-type: none"> <li>Make adjustments before memorizing.</li> <li>Touch and hold preset button [1] to [6] for more than 2 seconds.</li> </ol> <p><b>Remote</b></p> <ol style="list-style-type: none"> <li>Make adjustments before memorizing.</li> <li>Press and hold preset button [1] to [6] for more than 2 seconds.</li> </ol> <p>• <b>Preset Recalling</b></p> <p><b>Panel</b></p> <p>Touch [1] to [7].</p> <p><b>Remote</b></p> <p>Press [1] to [7].</p>
<p><b>BAL/FAD</b> (Balance/Fader) (Adjusting the output balance of each speaker)</p>	<p>Balance/Fader adjustment</p> <p>▲ FRONT or ▼ REAR Adjustment range: FRONT 15 to +REAR 15 RIGHT &lt; or &gt; LEFT Adjustment range: RIGHT 15 to +LEFT 15 Default: ±0</p>	<p><b>Panel</b></p> <p>▲ FRONT or ▼ REAR (Fader) RIGHT &lt; or &gt; LEFT (Balance)</p> <p><b>Remote</b></p> <p>[▲] or [▼] (Fader) [&lt;] or [&gt;] (Balance)</p>
<p><b>SUB-WOOFER</b> (Adjusting Sub-woofer level) <b>LEVEL</b> (Sub-woofer level)</p>	<p>&lt; &gt;</p> <p>Adjustment range: -∞, -6 to +6 default: ±0 dB</p>	<p><b>Panel</b></p> <p>&gt; : UP &lt; : Down</p> <p><b>Remote</b></p> <p>[▲] or [▼] → [&lt;] or [&gt;]</p>
<p><b>LPF</b> (Low Pass Filter)</p> <p><b>Note:</b> This function also adjusts the upper cut off frequency (Low Pass Filter) to control the thickness of bass sound.</p>	<p>80 Hz 120 Hz 160 Hz (Cut off Frequency) default: 80 Hz</p>	<p><b>Panel</b></p> <p>80 Hz or 120 Hz or 160 Hz</p> <p><b>Remote</b></p> <p>[▲] or [▼] → [&lt;] or [&gt;] → [ENTER]</p>

AUDIO		
Menu	Setting Value	Operations
<p><b>H P F</b> (Adjusting High Pass Filter)</p>	<p><b>High Pass Filter</b></p> <p>OFF : filter off 90 Hz : cuts off under 90 Hz 135 Hz : under 135 Hz 180 Hz : under 180 Hz 225 Hz : under 225 Hz</p>	<p>◀ : Previous menu ▶ : Exit</p> <p><b>Panel</b></p> <p>OFF or 90 Hz or 135 Hz or 180 Hz or 225 Hz</p> <p><b>Remote</b></p> <p>[&lt;] or [&gt;] → [ENTER]</p>
<p><b>DR COMP</b> (→ page 63)</p>		

# MENU: DVD Settings

DVD		
Menu	Setting Value	Operations
<p><b>LANGUAGE</b> (Language Setting) <b>MENU</b> (DVD menu language)</p>	<p>ENG : English FRE : French SPA : Spanish OTHER : other language Input the language code. default: ENG</p>	<p>◀ : Previous menu ▶ : Exit</p> <p><b>Panel</b></p> <p>ENG or FRE or SPA or OTHER → [0] to [9] → [ENTER] Input a language code. (→ page 90)</p> <p><b>Remote</b></p> <p>[▲] or [▼] → [&lt;] or [&gt;] → [ENTER] when OTHER is selected: [0] to [9] → [ENTER] Input a language code. (→ page 90)</p>
<p><b>SUBTITLE</b> (Subtitle language)</p> <p><b>Note:</b> A disc supporting closed captioning and subtitles may overlap each other on the screen. In this case, turn the subtitle off.</p>	<p>ENG : English FRE : French SPA : Spanish OTHER : other language Input the language code. default: ENG</p>	
<p><b>AUDIO</b> (Audio language)</p> <p><b>Note:</b> These adjustments being executed, playback will start from the beginning of a disc.</p>	<p>ENG : English FRE : French SPA : Spanish OTHER : other language Input the language code. default: ENG</p>	

# MENU: DVD Settings (continued)

DVD		
Menu	Setting Value	Operations
<p><b>DISPLAY</b> (Display Aspect and DVD Software Mode)</p> <p><b>DVD ASPECT</b> (Display aspect setting)</p>	<p><b>WIDE</b> : plays a video in wide screen (16:9).</p> <p><b>NARROW</b> : plays a video in 4:3 screen.</p> <p>default: WIDE</p>	<p>Panel</p> <p><b>WIDE</b> or <b>NARROW</b></p> <p>Remote</p> <p>[^] or [v] → [&lt;] or [&gt;] → [ENTER]</p>
<p><b>LETTER BOX</b> (DVD software mode)</p> <p><b>Note:</b> Screen aspect of the display unit is changed according to the aspect ratio setting (⇒ page 71) and DVD software's aspect.</p>	<p><b>PAN &amp; SCAN</b> : plays wide-screen video in Pan &amp; Scan mode (in which the left and right edges of the screen are cut off).</p> <p><b>LETTER BOX</b> : plays wide-screen video in letterbox mode (in which black bands appear at the top and bottom of the screen).</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Set the software setting according to the symbol used on jacket. (⇒ page 29)</li> <li>• DVD software mode setting is ignored if "PAN &amp; SCAN" or "LETTER BOX" is already set in the software.</li> </ul> <p>default: PAN &amp; SCAN</p>	<p>Panel</p> <p><b>PAN &amp; SCAN</b> or <b>LETTER BOX</b></p> <p>Remote</p> <p>[^] or [v] → [&lt;] or [&gt;] → [ENTER]</p>

# MENU: Input/output Settings

INPUT/OUTPUT		
Menu	Setting Value	Operations
<p><b>NAVI SETUP</b> (Navigation set up)</p> <p><b>NAVI INPUT</b> (Navigation input)</p> <p>Selection of the terminal that connects to the car navigation system allows you to switch to images and sounds of the car navigation system by pressing [<b>NAVI</b>] (<b>NAVIGATION</b>).</p>	<p><b>RGB</b> : connected to the RGB input cord, or a car navigation system not connected</p> <p><b>VTR1</b> : connected to VTR1-IN</p> <p><b>VTR2</b> : connected to VTR2-IN</p> <p>default: RGB</p>	<p>Panel</p> <p><b>RGB</b> <b>VTR1</b> <b>VTR2</b></p> <p>Remote</p> <p>[^] or [v] → [&lt;] or [&gt;] → [ENTER]</p> <p><b>Note:</b> Make sure to select "RGB" when no car navigation system is connected.</p>

# MENU: Input/output Settings (continued)

INPUT/OUTPUT		
Menu	Setting Value	Operations
<p><b>NAVI SETUP</b> (continued)</p> <p><b>NAVI SP</b> (Navigation input)</p>	<p><b>BOTH</b> : L/R speaker</p> <p><b>Lch</b> : L only</p> <p><b>Rch</b> : R only</p> <p>default: BOTH</p>	<p>Panel</p> <p><b>BOTH</b> <b>Lch</b> <b>Rch</b></p> <p>Remote</p> <p>[^] or [v] → [&lt;] or [&gt;] → [ENTER]</p>
<p><b>NAVI MUTE</b> (Navigation mute level)</p> <p>Select the mute level of this unit during voice guidance from the Panasonic car navigation system (available in future). <b>Preparation:</b> Connect the navi mute lead.</p>	<p><b>OFF</b> : unchanged</p> <p><b>LEVEL1</b> : decrease 10 dB (CQ-VD7700U) decrease 10 step (CQ-VD7500U)</p> <p><b>LEVEL2</b> : decrease 20 dB (CQ-VD7700U) decrease 15 step (CQ-VD7500U)</p> <p><b>LEVEL3</b> : no sound</p> <p>default: LEVEL1</p>	<p>Panel</p> <p><b>OFF</b> <b>LEVEL1</b> <b>LEVEL2</b> <b>LEVEL3</b></p> <p>Remote</p> <p>[^] or [v] → [&lt;] or [&gt;] → [ENTER]</p> <p><b>Note:</b> You can set the navigation mute level when "RGB" is selected as navigation input.</p>
<p><b>NAVI VOLUME</b> (Navigation volume)</p> <p>Volume adjustment of the car navigation system is executed.</p>	<p>Adjustment range: 0 to 40</p> <p>default: 30</p> <p>0 : the sound that a car navigation system generates does not come out.</p>	<p>Panel</p> <p>&lt; &gt;</p> <p>Remote</p> <p>[^] or [v] → [&lt;] or [&gt;]</p>
<p><b>CAMERA SETUP</b> (Rear View Camera)</p> <p><b>CAMERA</b></p>	<p><b>OFF</b> : camera off</p> <p><b>ON</b> : camera on</p> <p>default: OFF</p>	<p>Panel</p> <p><b>OFF</b> <b>ON</b></p> <p>Remote</p> <p>[&lt;] or [&gt;] → [ENTER]</p>
<p><b>SCALE</b> (Rear view camera scale display)</p> <p>Images through the rear view camera can be shown in scale display mode.</p>	<p><b>OFF</b> : scale display off</p> <p><b>ON</b> : scale display on</p> <p>default: OFF</p>	<p>Panel</p> <p><b>OFF</b> <b>ON</b></p> <p>Remote</p> <p>[&lt;] or [&gt;] → [ENTER]</p>
<p><b>SCALE ADJUST</b> (Scale adjustment)</p>	<p>&lt; or &gt; : width</p> <p>^ or v : angle</p>	<p>Panel</p> <p>&lt; or &gt; : Wide</p> <p>^ or v : Angle</p> <p>Remote</p> <p>[&gt;] or [&lt;] : Wide → [ENTER]</p> <p>[^] or [v] : Angle → [ENTER]</p>

# MENU: Input/output Settings (continued)

## INPUT/OUTPUT

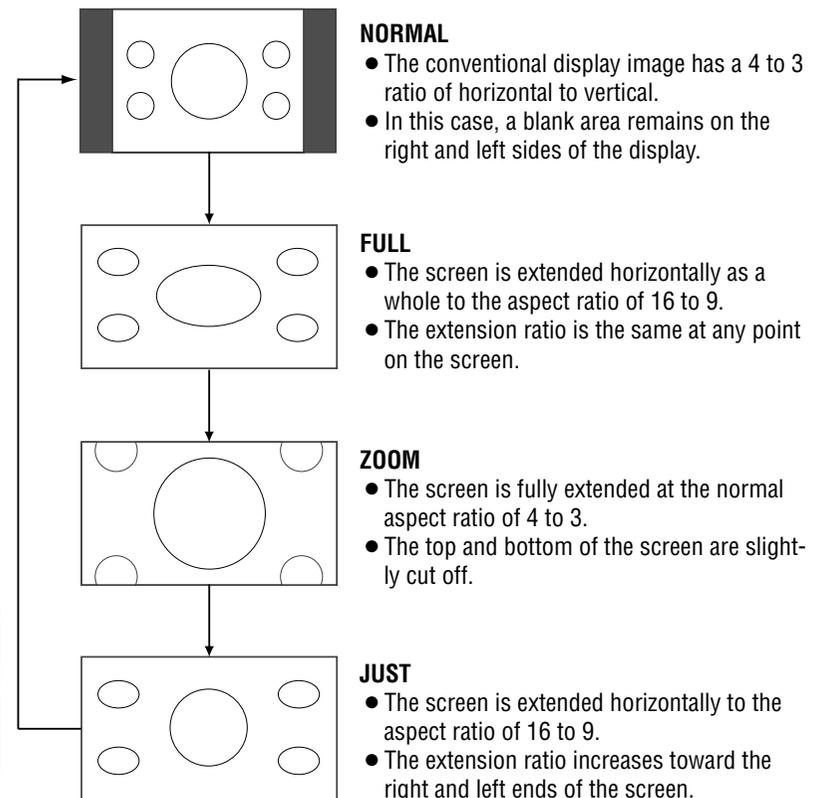
**PREV** : Previous menu  
**EXIT** : Exit

Menu	Setting Value	Operations
<b>VTR SKIP</b> (VTR Skip) If a VTR is not used, the VTR mode is skipped when changing the mode. <b>VTR 1 SKIP</b> (VTR1 skip) <b>VTR 2 SKIP</b> (VTR2 skip)	<b>OFF</b> : do not skip <b>ON</b> : skip VTR1/2 default: OFF	<b>Panel</b> <b>OFF</b> or <b>ON</b> <b>Remote</b> [<] or [V] → [<] or [>] → [ENTER]
<b>VIDEO-CONT</b> (Video control setting) This "Video Control Setting" is required when you connect a Panasonic car navigation system with a built-in DVD player (available in future).	<b>VTR1</b> : connected to VTR1-IN <b>VTR2</b> : connected to VTR2-IN default: VTR1 <b>Notes:</b> ● Select a terminal connected to the DVD output terminal of a Panasonic car navigation system with a built-in DVD player (available in future) through an RCA cord. ● When you connect a Panasonic car navigation system with a built-in DVD player, connect a video control lead as well. (⇒ Installation Instructions)	<b>Panel</b> <b>VTR1</b> or <b>VTR2</b> <b>Remote</b> [<] or [>] → [ENTER]
<b>REAR MONITOR</b> (Rear Monitor Set Up) You can have different picture and sound on the front and rear monitors at the same time (⇒ page 74). <b>Preparation:</b> Connect another optional rear monitor. (e.g. CY-VMX6800U) (⇒ Installation Instruction)	<b>AUTO</b> : same as front monitor <b>TV</b> : TV <b>DVD</b> : DVD <b>SD</b> : SD <b>VTR1</b> : VTR1 <b>VTR2</b> : VTR2 default: AUTO	<b>Panel</b> <b>AUTO</b> <b>TV</b> <b>DVD</b> <b>SD</b> <b>VTR1</b> <b>VTR2</b> <b>Remote</b> [<] or [>] → [ENTER]
<b>BGC</b> (BackGround Camera) ( Always display background camera on the display) This function allows the background camera view to be displayed at the all times. <b>Note:</b> You can enter the BGC menu also by pressing and holding [MENU] for 2 sec. or more.	<b>ON</b> : Background camera view is always on the display. <b>OFF</b> : Each mode image is on the display. default: OFF	<b>Panel</b> <b>OFF</b> or <b>ON</b> <b>Remote</b> [<] or [>] → [ENTER]

# Aspect Ratio

Default: NORMAL  
Mode: 4 types

Press **[ASP]** (**ASPECT**) on the display unit or press **[A]** (**ASPECT**) on the remote control to change the aspect ratio as follows.



- Notes:**
- This adjustment is applicable to TV, VTR1, VTR2, DVD, video CD and SD-Card mode.
  - The aspect ratio is adjustable between Full and Normal when the wallpaper is on the screen.
  - When the rear view camera is in operation with the transmission gear shift in the reverse position, the image is shown on the "FULL" screen only.
  - In some cases, the picture looks different from the original one due to your selection of aspect.

**Cautions:**

- This is to remind you that compression or extension of the screen using the aspect ratio (screen mode) changing function of this product for commercial purposes of profit making or viewing/listening by the public could infringe on the rights of the author protected by copyright law.
- If you expand a normal picture (4 to 3) by using "JUST", "ZOOM" or "FULL" aspect to the full size of the screen, you might not see the periphery of the picture, or you might see a distorted picture. Therefore, use "NORMAL" mode to see the original picture as the author intended it.

# Sound Settings

## Sound Field Settings (Space)

Effective for 2-channel audio (LPCM, Dolby Digital/dts 2-channel) and analog audio (TV, VTR, radio, CD changer). Pro Logic II (4-channel surround playback) selection is automatically invalid after this setting. (→ page 62)

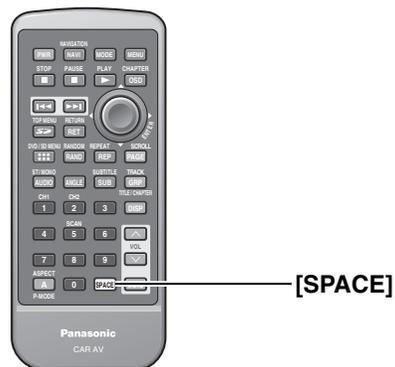
Default: OFF (no indicator)  
Setting range: 8 types + "OFF"

Touch the **[SPACE]** symbol on the touch panel or press **[SPACE]** to change the setting.

- OFF (No Indicator)** : no sound field effect
- MULTI-CH** : 2-channel audio is distributed to be a 5.1-channel output.
- LIVE** : sound field effect as if in a live house
- HALL** : sound field effect as if in a concert hall
- JAZZ** : sound field effect suited to listening to jazz
- STADIUM** : sound field effect as if in a stadium
- DISCO** : sound field effect as if in a disco
- VOCAL** : sound field effect suited to listening to vocals
- CATHEDRAL** : sound field effect as if in a church

### Notes:

- Not effective for Dolby Surround audio recordings and down-mixed 2-channel audio.
- This function can be set individually for each mode.



## Producing audio that is audible at low volumes (Dynamic Range Compression)

This function is effective for playback of Dolby Digital/Dolby Surround DVD video. The words of an actor hardly audible during playback at a low volume, for example, will become easier to listen to by selecting DR COMP MIN.

You can set "DR COMP" in "SETUP: Sound Setting". Please refer to page 63 for "DR COMP" setting.

- DR COMP OFF** : movie theater mode with no compression.
- DR COMP STD** : mode recommended by the software manufacturer for listening at low volume.
- DR COMP MIN** : mode with the greatest compression, roughly equivalent to a TV broadcast.

## About DVD Video/Audio Wide Dynamic Range

**Caution:** The sound of DVD audio/video covers a wide dynamic range of more than 100 dB. Thus, the reproduced sound volume of some DVD discs may be significantly low. When you increase the volume in this case, the sound may reach the peak level suddenly and it may lead to a traffic accident. To avoid such an accident, you can use the DR COMP (Dynamic Range Compression) function. This function can be set by the following procedure.

### Panel

- 1 Turn the volume back to the previous level (decrease the volume).
- 2 When not in operation mode, Touch the center of touch panel **[Area A]** to show operation display.(→ page 24).
- 3 Touch **[MENU]** → **[AUDIO]** → **[DR COMP]**.
- 4 Touch **[MIN]** to select.
- 5 Readjust the volume level.

### Remote

- 1 Turn the volume back to the previous level (decrease the volume).
- 2 Press **[MENU]**.
- 3 Press **[^]** or **[V]** to select **[AUDIO]**.
- 4 Press **[^]**, **[V]**, **[<]** or **[>]** to select **[DR COMP]** → **[ENTER]**.
- 5 Press **[<]** or **[>]** to select **[MIN]**.
- 6 Readjust the volume level.

# About Rear Monitor

## Rear Monitor Set Up

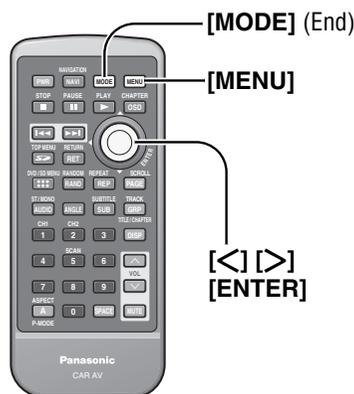
You can have different pictures and sounds at the front and rear monitor at the same time.

Default: AUTO

**Preparation:** Connect another optional rear monitor. (e.g. CY-VMX6800U) (→ Installation Instruction)



[MODE] (End)    [ < ] [ > ]  
[ENTER]



Rear monitor setting menu

### Panel

- 1 Touch **MENU**.
- 2 Touch **INPUT/OUTPUT**.
- 3 Touch **REAR MONITOR**.
- 4 Touch a symbol to select.
- 5 Touch **ENT** to set.

### Remote

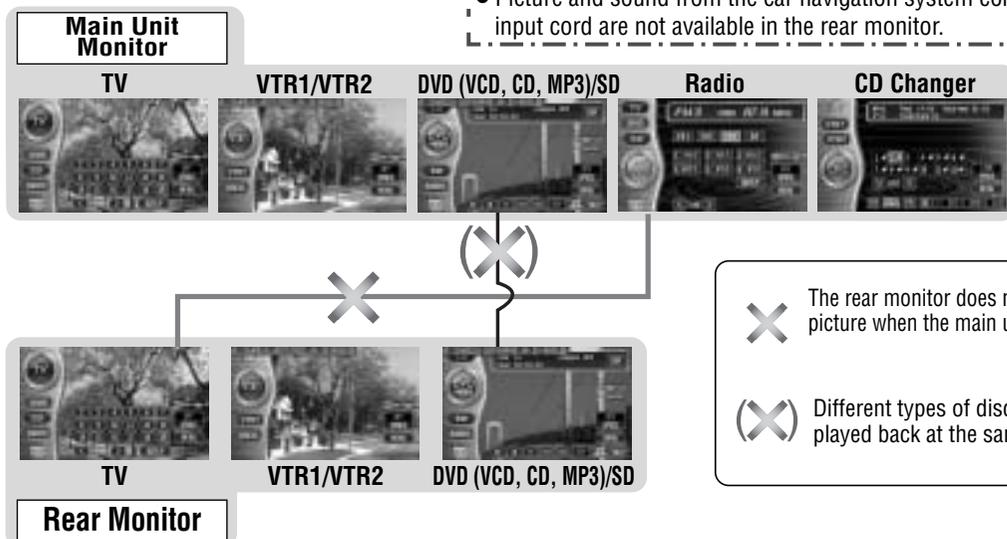
- 1 Press **[MENU]**.
- 2 Press **[^]** or **[v]** to select "INPUT/OUTPUT".
- 3 Press **[ENTER]** to set.
- 4 Press **[^]** or **[v]** to select "REAR MONITOR".
- 5 Press **[ENTER]** to set.
- 6 Press **[>]** or **[<]** to select the setting.
- 7 Press **[ENTER]** to set.

- AUTO** : picture and sound in the same mode as the front monitor.
- TV** : TV picture and sound
- DVD** : DVD picture and sound (disc in the DVD player)  
Only sound in DVD Audio, CD, MP3 player mode.
- S D** : SD picture and sound
- VTR1** : VTR1 picture and sound
- VTR2** : VTR2 picture and sound

### Notes:

- Press **[MODE]** to return to regular mode.
- The display returns to the previous one if no operation is performed for 60 seconds after changing to the rear monitor setting menu.
- You can mute the sound from the rear speakers connected to this unit, so that you can have different sound of modes at the front and rear monitor. (→ See Private Mode on next page)

Picture and sound from the car navigation system connected to an RGB input cord are not available in the rear monitor.



- ✗ The rear monitor does not display television picture when the main unit is in radio mode.
- ✗ Different types of discs cannot be played back at the same time.

## Private Mode

You can mute the sound from the rear speakers if necessary. Activation of private mode allows you to enjoy the front monitor and rear monitor (e.g. CY-VMX6800U) independently with different input sources at the same time.

Default: OFF

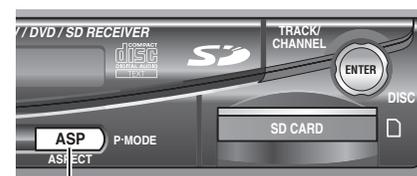
Press and hold **[A] (P • MODE)** on the remote control for more than 2 seconds to activate the private mode function or inactivate it in turn.



"P • MODE" indicator lights when Private Mode is activated.

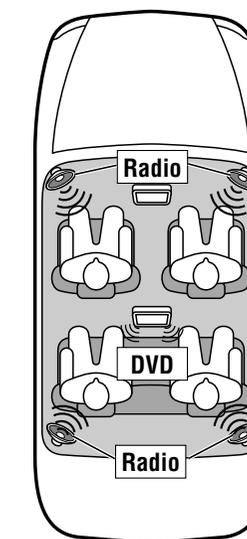


[A] (P • MODE)

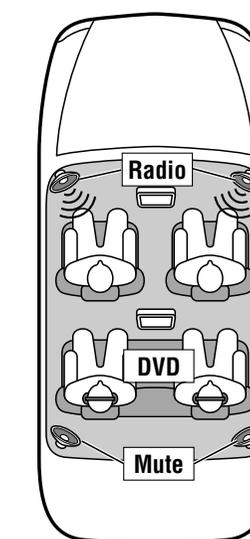


[ASP] (P • MODE)

### Private Mode OFF



### Private Mode ON



It is recommended to use optional Over-head Monitor (CY-VMX6800U) and headphones supplied with CY-VMX6800U.

### Notes:

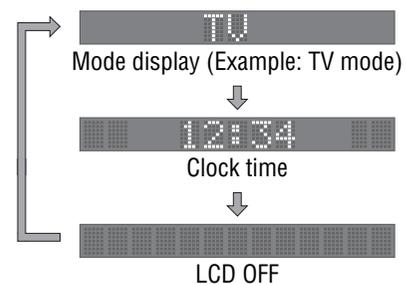
- Be sure to set to OFF when you do not use private mode.
- It is not possible to choose and set SP DELAY on the sound setting menu while private mode is active. (→ page 65)

# Sub-LCD Display Change

The contents on the sub-LCD display are changeable. Press **[DISP]** to change the display as follows. (When the display is opened, press and hold **[DISP]**.)

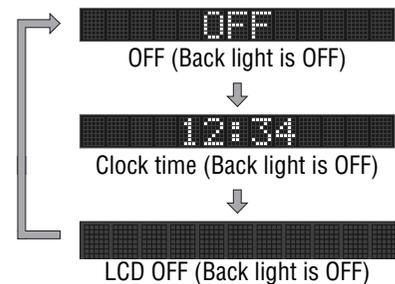
## With display open

### All modes with display open...



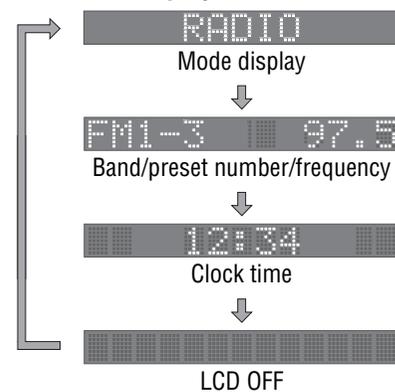
## Power OFF

### With display either open or closed

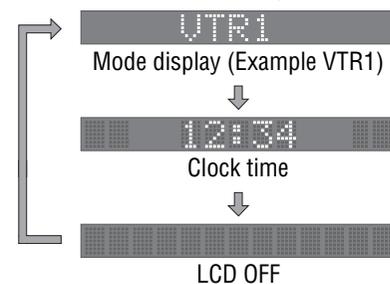


## With Display Closed

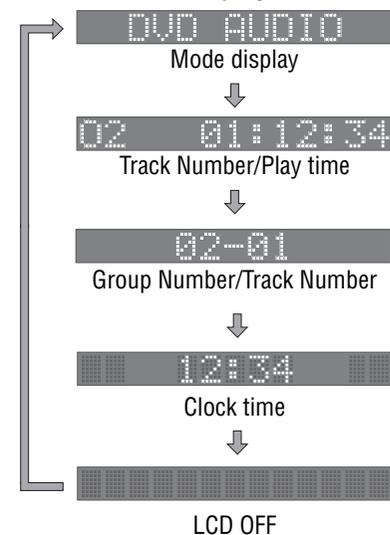
### Radio with display closed



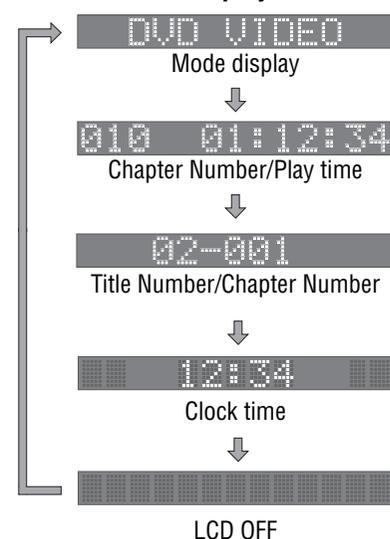
### VTR 1/2, SD with display closed



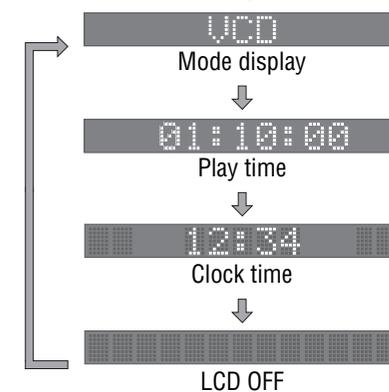
### DVD Audio with display closed



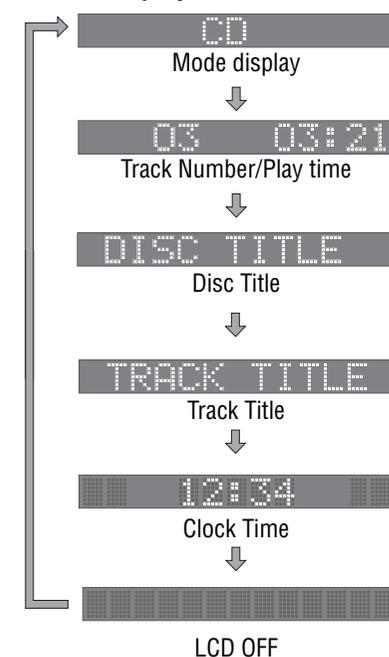
### DVD Video with display closed



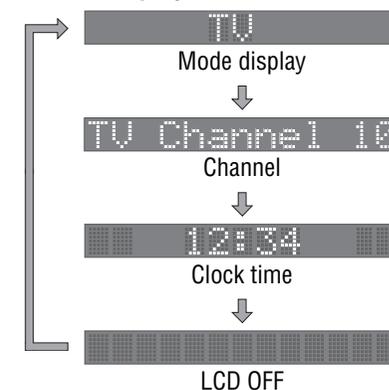
### Video CD with display closed



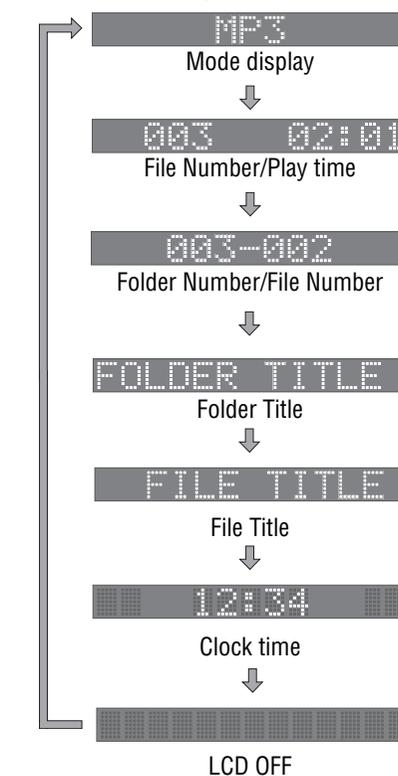
### CD with display closed



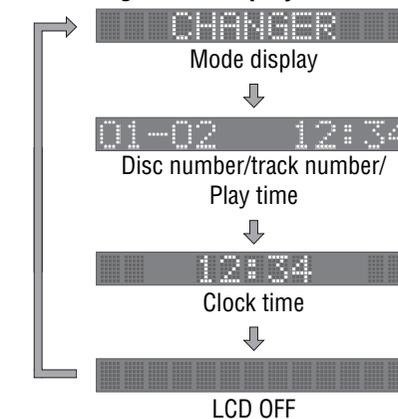
### TV with display closed



### MP3 with display closed



### CD Changer with display closed



Sub-LCD Display

# Troubleshooting

## Preliminary Steps

Check and take steps as described in the tables below.

## If You Suspect Something is 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 in an irregular condition, for example, without sound, or with smoke or foul smell, which can cause a fire or electric shock. Immediately stop using the unit and call the store where you purchased it.
- Never try to repair the unit by yourself due to risk of electrical injury and potential damage to electrical safety equipment.

## Common

Problem	Possible cause → Possible solution
No power to the unit	The power cord (battery, ACC and ground) is connected in the wrong way. → <b>Check the wiring.</b>
	Fuse blowout → <b>Eliminate the cause of fuse blowout and replace the fuse with new one. Consult your dealer.</b>
Sound is not generated	MUTE is set to ON. → <b>Set MUTE to OFF.</b>
	The wiring of the speaker lines is not correct, or a break or poor contact exists. → <b>Check the wiring in accordance with the wiring diagram.</b>
Noise	There is an electromagnetic-wave generator such as a cellular phone near the unit or its electrical lines. → <b>Keep an electromagnetic-wave generator such as a cellular phone away from the unit and the wiring of the unit. In case that noise cannot be eliminated due to the wiring harness of the car, consult your dealer.</b>
	The contact of the ground lead is poor. → <b>Make sure that the ground lead is securely connected to an unpainted part of the chassis.</b>
Noise is made in step with engine revolutions.	Alternator noise comes from the car. → <b>Change the wiring position of the ground lead.</b> → <b>Mount a noise filter on the power supply.</b>
Some operations are not executable.	Some operations are not executable in particular modes such as menu mode. → <b>Read the operating instructions carefully and change the mode. In case the unit is still out of order, consult your dealer.</b>
No sound from speaker(s)	Some sound setting (Example: BAL/FAD, P-MODE, SP SETUP or Dolby Prologic II) is not appropriate. → <b>Readjust the sound setting (BAL/FAD, P-MODE, SP SETUP or Dolby Prologic II, etc.)</b>
	There is a break, a short circuit, poor contact or wrong wiring regarding the speaker wiring. → <b>Check the speaker wiring.</b>
The speaker channels are reversed between right and left.	The speaker wiring is confused between right and left. → <b>Perform the speaker wiring in accordance with the wiring diagram.</b>

## Common (continued)

Problem	Possible cause → Possible solution
The sound field is not clear in the stereo mode. Central sound is not settled.	The plus and minus terminals at right and left channels of speakers are connected reversely. → <b>Perform the speaker wiring in accordance with the wiring diagram.</b>

## Display Settings

Problem	Possible cause → Possible solution
The brightness of the screen is not stable.	"AUTO" dimmer is selected. → <b>Select one of the dimmer levels from among 1 to 4 to make the dimmer adjustment become independent of light intensity.</b>
The picture is dark. The picture is whitish. Something is wrong with the picture. The picture is light in color.	The screen is not adjusted properly. → <b>Make every adjustment of the screen.</b>
The display does not go back into the unit.	The monitor stops on the way to the home position. → <b>Press [ ] (OPEN/CLOSE).</b>
Red, blue, or green spots appears.	This is a characteristic of liquid crystal panels and is not a problem.

## Remote Control

Problem	Possible cause → Possible solution
Pressing buttons does not perform operations.	Battery poles (+) (-) are reversed. → <b>Insert the battery correctly.</b>
	Wrong battery. → <b>Check the battery.</b>
	Battery has run down. → <b>Replace the battery.</b>
	Remote control is facing in the wrong direction. → <b>Direct the remote control at remote control sensor on the display unit.</b>

## TV

Problem	Possible cause → Possible solution
Unclear image due to noise	The intensity of the radio wave is too low. → <b>Change the broadcast station.</b>
	Connection or installation of the TV antenna has not been performed correctly. → <b>Check the connection or installation.</b>

# Troubleshooting (continued)

## DVD audio/video, Video CD, CD, CD-R, CD-RW

Problem	Possible cause → Possible solution
The disc is inside but no sound. The disc is ejected automatically.	<p>The disc is upside down. →Place the disc in the correction direction, the label side up.</p> <p>The disc is dirty. →Clean the disc, referring to the section “Notes on Discs” (→ page 87).</p> <p>The unit can only play the following types of disc: DVD video, video CD, music CD and MP3. Connect the optical fiber cable.</p>
CD sound skips, tone quality is low.	<p>The disc is dirty. →Clean the disc, referring to the section “Notes on Discs” (→ page 87).</p>
Sound skip due to vibration.	<p>Mounting angle is over 30°. →Adjust mounting angle to less than 30°.</p> <p>Unstable mounting. →Mount the unit securely with the mounting parts, referring to the section on installation.</p>
The buttons do not work.	<p>Some operations are not permitted with certain discs. (Refer to the guide provided with your disc.)</p>
The disc is not ejected.	<ul style="list-style-type: none"> <li>• Disc is defective.</li> <li>• Mechanical trouble.</li> </ul> <p>→Press [▲]. If failure persists, press the reset switch (→ page 85). If normal operation is not restored, call the store where you purchased the unit or the nearest Panasonic Servicenter.</p>

## DVD video

Problem	Possible cause → Possible solution
Cannot switch the audio language/subtitle language/angle.	<ul style="list-style-type: none"> <li>• It is not possible to switch if the disc does not have multiple audio languages/subtitle languages/angles recorded on it. (Refer to the guide provided with your disc.)</li> <li>• Some discs permit switching through a menu screen.</li> <li>• Sometimes, switching angles is possible only with certain scenes.</li> </ul>
The audio/subtitle language selected in the DVD settings is not used.	<p>If audio or subtitles in that language are not recorded on the disc, the audio or subtitles do not switch to that language. (Some discs permit switching through a menu screen. Refer to the guide provided with your disc.)</p>

## CD

Problem	Possible cause → Possible solution
No playback or disc ejected	<p>The disc is inserted upside down. →Insert disc correctly.</p> <p>There is a flaw or foreign material on the disc. →Remove the foreign material, or use a flawless disc.</p>
Sound skipping or noise	<p>There is a flaw or foreign material on the disc. →Remove the foreign material, or use a flawless disc.</p>
Sound skipping due to vibration	<p>The unit is not sufficiently secured. →Secure the unit to the console box with the rear support strap, etc.</p> <p>The unit is tilted at over 30° in the front-to-end direction. →Make the angle 30° or less.</p>
Disc unejectable	<p>A label has peeled off from the CD inside the unit. →Refer repair to the dealer where you purchased the unit.</p> <p>The microcontroller in the unit operates abnormally due to noise or other factors. →Press the reset switch(→ page 85). If there is no reset switch, unplug the power cord and plug it again. In case the unit is still out of order, consult the dealer.</p>

## MP3

Problem	Possible cause → Possible solution
No playback.	<p>The disc does not conform to any of the file systems supported by this player. →Insert a disc that conforms to the file systems supported by this player. (→ page 44).</p> <p>The MP3 file is missing the “.mp3” file name extension. →Make sure to add the “.mp3” extension to each MP3 file name.</p>
It takes too long for playback to start.	<p>The folders and files recorded on the disc are layered too much. →As checking of files takes longer in this case, do not record any unnecessary folders or files other than MP3s on the disc.</p>
Poor recording quality, sound skipping	<p>→The recording quality differs depending on the encoding software used, and on settings such as the bit rate. Set the bit rate within the range specified in the specifications chart (→ page 44). It is recommended to set the bit rate to “128 kbps or more” and “Fixed”.</p> <p>High-speed writing was executed when MP3 data was recorded on the disc. →Decrease writing speed as low as possible.</p>
Files are not played in the desired order.	<p>Files or folders are not recorded in the desired playback order. →Some writing software lets you specify the recording order by adding a prefix in the range of “01” - “99”, etc. to the file name. For details refer to the user manual of your writing software.</p>
Folder/file name is not displayed correctly.	<p>The disc does not conform to the file systems supported by this player. →Insert a disc that conforms to the file systems supported by this player. (→ page 44).</p> <p>→There may be a problem with your writing software or CD recorder (CD-R/RW drive). For details refer to the user manual of your writing software.</p>

# Troubleshooting (continued)

## MP3 (Continued)

Problem	Possible cause → Possible solution
File playing time is not displayed correctly.	You turned off the ignition switch of the car during playback. → <b>Playing another file will return the file playing time to normal.</b>

## Radio

Problem	Possible cause → Possible solution
Poor reception or noise	Antenna installation or wiring of antenna cable is faulty. → <b>Check whether the antenna mounting position and its wiring are correct. In addition, check to see whether the antenna ground is securely connected to the chassis.</b> No power is supplied to the antenna amplifier (when using a film antenna, etc.). → <b>Check the wiring of the antenna battery lead.</b>
The number of auto preset stations is less than 6.	The number of receivable stations is less than 6. → <b>Move to an area where the number of receivable stations is greater, and try presetting.</b>
Preset stations cannot be stored.	The contact of the battery lead is poor, or the battery lead is not always powered. → <b>Make sure that the battery lead is connected securely, and preset stations again.</b>

## SD-Card

Problem	Possible cause → Possible solution
The Card is inserted but unit can not recognize it	Not initialized SD-Card is inserted. → <b>Initialize the card and record the play data with your personal computer.</b> SD Card is out of order. → <b>Replace it with new one.</b>
The unit recognizes the SD-Card but no file can be selected.	No file recorded → <b>Record play data on SD-Card with your Personal computer.</b> The name of file is not proper → <b>Give the proper file name to your play data (→ page 50).</b>

## Car Navigation, VCR, Camcorder, Rear View Camera, Rear Monitor

Problem	Possible cause → Possible solution
The picture from a car navigation system is not displayed.	The connection of a car navigation system is not correct. → <b>Connect it correctly.</b> Input setting of a car navigation system is not correct. → <b>Correct the input setting.</b>

## Car Navigation, VCR, Camcorder, Rear View Camera, Rear Monitor (Continued)

Problem	Possible cause → Possible solution
The picture from a VCR or a camcorder is not displayed.	A VCR or Camcorder is not connected correctly. → <b>Connect a VCR or Camcorder correctly.</b>
No sound from a VCR or a camcorder.	The VTR1-IN and/or VTR2-IN level is excessively high. (The "OVER" display appears.) → <b>Adjust the VTR Input level.</b>
The picture from a rear view camera is not displayed.	Rear view camera is not connected correctly. → <b>Connect a rear view camera correctly.</b> Input setting of camera is not correct. → <b>Correct the input setting.</b>
The picture or the sound of the rear monitor is not switchable.	"AUTO" is not selected as the rear monitor setting. → <b>Select "AUTO" for the setting.</b>

## Sound Settings

Problem	Possible cause → Possible solution
No sound from left, right, front, or rear speaker.	Cables are not correctly connected. → <b>Connect the cables correctly.</b>
Left and right sounds are reversed.	The speaker leads are connected in reverse between right and left. → <b>Connect the speaker wires to the correct one.</b>
No sound on the speaker.	The speaker setting is "NO" or "NONE". → <b>Set it correctly.</b>
No sound from the subwoofer	Playing back a disc having a subwoofer channel <ul style="list-style-type: none"> <li>• Subwoofer is set to "NO" in the speaker setting. → <b>Set subwoofer to "YES".</b></li> <li>• Down mix → <b>No technical trouble. Cancel the down mix.</b></li> <li>• Private mode is set to "ON". → <b>Set private mode to "OFF".</b></li> </ul> A disc without subwoofer channel is played back, or analog audio is played back <ul style="list-style-type: none"> <li>• Subwoofer is set to "NO" in the speaker setting. → <b>Set subwoofer to "YES".</b></li> <li>• Sound field (SPACE) is set to "OFF". → <b>No technical trouble. Set it to other than "OFF".</b></li> <li>• A disc recorded on 1 ch, 3 ch, 4 ch, or 5 ch is played back. → <b>No technical trouble. No audio is output from the subwoofer when such a disc is played back.</b></li> </ul> <b>Note:</b> Sound does not come out of the subwoofer with default speaker setting when SPACE is set to OFF. (However, some speaker settings allow sound output even if SPACE is set to OFF.) If SPACE is set to VOCAL, the sound output level from the subwoofer is lower than with other SPACE settings (except for OFF).

# Troubleshooting (continued)

## Error Display Messages

### ■ CD/MP3/DVD/Video CD/CD Changer/SD-Card

Display	Possible cause → Possible solution
- E1 -	Disc is dirty, or is upside down. → <b>Check disc.</b>
- E2 -	Disc has scratches. → <b>Check disc.</b>
- E3 -	No operation by some cause. → <b>Press [▲]. If failure persists, press the reset switch. (Press the reset switch in the CD changer). If normal operation is not restored, call the store where you purchased the unit or the nearest Panasonic Servicenter.</b>
- E4 -	The type of the file that is selected is not supported. → <b>Check disc.</b>
NO DISC	No disc is in the player. → <b>Insert disc into the disc slot.</b>
NO MAGAZINE	No magazine is in the changer. → <b>Load the changer with CD-loaded magazine.</b>
REGION ERROR	An attempt was made to play a disc with a region number other than "1" or "ALL". → <b>Press [▲] and check the disc.</b>
NO CARD	No card is inserted into the card slot, the card is not inserted until it clicks, or the card is defective. → <b>Make sure of card insertion.</b>
NO FILE	The unit cannot recognize the play file, or there is no file on the SD card. → <b>Ensure that the file name is proper and MP3/AAC files are recorded with SD-Jukebox.</b>
X	You are trying to play incompatible or corrupted data. These data cannot be played. → <b>Check the SD-Card.</b>
CHECK CARD	The card cannot be played. → <b>Check the SD-Card.</b>

**Notes:**

- There may be cases when 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.

## If the Unit Begins to Malfunction...

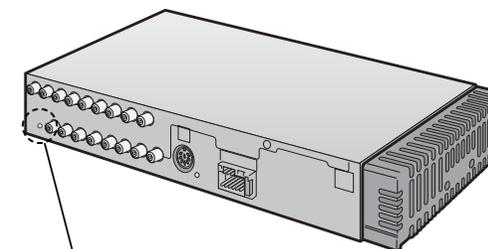
**Reset switch**

Insert a hard, slender stick into the hole and push the switch.

**Important**

Push the switch only when the unit fails to operate with any buttons. (Stored settings and adjustments are not cleared.) If the unit fails to return to normal condition, call the nearest Panasonic Servicenter and ask for repairs.

Hide-away Unit



Reset switch

**Note:** If the ID-CODE has been already set, you will be asked to enter the ID-CODE right after the unit is restarted.

# Maintenance

## To Prevent Damage to the System Exterior

Do not apply pesticides, benzene, thinner or other volatile substances to the unit. The cabinet surface primarily consists of plastic materials.

Do not wipe with benzene, thinner or similar substances because this will result in discoloration or removal of the paint.

When a cloth with a cleansing chemical is used, follow the caution points.

Do not leave the unit in contact with rubber or vinyl products for long periods of time.

Do not use cleansers which have polishing granules because this could damage the surface of the unit.



## Clean Dirt by Wiping Lightly with a Soft Cloth

When the unit is dirty, wipe the surface of the display using the Wiping Cloth (supplied).

Wipe lightly.



### Without a Wiping Cloth

When the unit is dirty, wipe with a well-wrung cloth dipped in liquid dishwashing detergent (neutral) diluted with water and then go over the same surface with a dry cloth.

(Since there is the possibility of water drops getting inside of the unit, do not directly apply cleanser to the surface.)

**Note:** Do not scratch the screen with your nails or other hard objects. The resulting scratches or marks will obscure the image.

**Caution:** If water drops or similar wet substances get inside the monitor, it may cause a malfunction.

## 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 (5 A for display unit, 15 A for hide-away unit). Using different substitutes or fuses with higher rating, or connecting the product directly without a fuse, could cause a fire or damage to this unit.

**If the replacement fuse fails, contact your nearest Panasonic Servicenter for service.**

## Notes on Discs

### How to hold the disc

- Do not touch the underside of the disc.
- Do not scratch the disc.
- Do not bend disc.
- When not in use, keep disc in the case.

### Do not use irregularly shaped discs.

### Disc insert

The surfaces of new discs tend to be slippery. Therefore, when using such a disc for the first time, it may not load satisfactorily even when it has been inserted into the main unit. At a time like this, insert the disc into the main unit as far as it will go until it is loaded properly.

### Do not leave discs in the following places:

- Direct sunlight
- Near car heaters
- Dirty, dusty and damp areas
- On seats and dashboards

### Disc cleaning

Use a dry, soft cloth to wipe from the center outward.

### Do not attach any seals or labels to your discs.

**Do not write on the disc label with a heavy pen or ballpoint pen.**

Label side

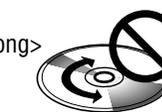


Do not use irregularly shaped discs.

<Right>



<Wrong>



## Notes on CD-Rs/RWs

- You may have trouble playing back some CD-R/RW discs recorded on CD recorders (CD-R/RW drives), either due to their recording characteristics or dirt, fingerprints, scratches, etc. on the disc surface.
- CD-R/RW discs are less resistant to high temperatures and high humidity than ordinary music CDs. Leaving them inside a car for extended periods may damage them and make playback impossible.
- The unit may not successfully play back a CD-R/RW that was made by the combination of writing software, a CD recorder (CD-R/RW drive) and a disc if that are incompatible with one another.
- This player cannot play CD-R/RW discs if the session is not closed.
- This player cannot play CD-R/RW discs which contain other than CD-DA or MP3 data (Video CD, etc.).
- Be sure to observe the handling instructions of CD-R/RW discs.

# Definition of Terms

## Digital audio output connector (Optical)

The digital audio output connector (optical) converts electrical signals into optical signals and transfers them to the amplifier. Consequently, it has a number of features including its immunity from electrical interference from external sources and its ability to prevent the generation of noise and its minimal effect on the external environment. This function is provided only with CQ-VD7500U

## Dolby Digital

This fully discrete format divides the music signals into 5.1 channels: Front Left (L), Front Right (R), Center (C), Left Surround (LS), Right Surround (RS) and Subwoofer (SW: 0.1 channel) for recording and playback. The number of channels that are recorded depends on the software (1 to 5.1 channels).

## Dolby Digital 5.1

Dolby Digital 5.1 is a method of transmitting and storing 5.1-channel soundtracks via newer digital media such as DVD, digital cable, digital broadcast TV (DTV), and satellite transmissions. Unlike the Dolby Surround encode/Pro Logic decode process, which sacrifices channel separation to get surround onto any stereo soundtrack, Dolby Digital 5.1 is a discrete system that keeps the multiple channels fully separated throughout the encoding and decoding processes. In addition to having full-range Left (L), Center (C), Right (R), Left Surround (LR), and Right Surround (RS) channels, Dolby Digital 5.1 soundtracks carry a sixth (".1") channel (Subwoofer) recorded with low-frequency effects (those bass rumbles and booms you feel as well as hear in a well-equipped cinema).

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

## Dolby Pro Logic

This format records signals from four channels [Front Left (L), Front Right (R), Center (C), and Monaural Surround (S)] in two channels, decodes those channels through a Dolby Pro Logic decoder, and then outputs the resulting signals in four channels.

## Dolby Pro Logic II

Dolby Pro Logic II is an advanced matrix decoder that derives five-channel surround (Left, Center, Right, Left Surround, and Right Surround) from any stereo program material, whether or not it has been specifically

Dolby Surround encoded. On encoded material such as movie soundtracks, the sound is more like Dolby Digital 5.1 (see above), while on unencoded stereo material such as music CDs the effect is a wider, more involving soundfield. Among other improvements over Pro Logic, Pro Logic II provides two full-range surround channels, as opposed to Pro Logic's single, limited-bandwidth surround channel.

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

## dts

This format requires more data than Dolby Digital, and provides higher quality surround playback. Similar to Dolby Digital, this fully discrete format divides the music signals into 5.1 channels: Front Left (L), Front Right (R), Center (C), Left Surround (LS), Right Surround (RS) and Subwoofer (SW: 0.1 channel) for recording and playback.

"DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc. "DTS" and "DTS 2.0" are trademarks of Digital Theater Systems, Inc.

## G.726

G.726 is a sound data standard of compression/expansion recommended by CCITT (Consultative Committee for International Telephony and Telegraphy). Applying this standard, the PCM (Pulse Code Modulation) sound data can be compressed or expanded effectively. The applied software is mainly used for digital telephones, digital voice recorders, digital camcorders and so on.

## Interactive DVD

An interactive DVD is DVD software which includes multiple angles, multiple plot endings, etc.

## Letterbox screen

This refers to a screen on which the playback picture of wide-screen DVDs or Video CDs appears with black bands running along the top and bottom.

## Pan & Scan screen

This refers to a screen on which the playback picture of wide-screen DVDs or Video CDs is cut off at the left and right sides.

## LPCM (Linear PCM audio)

In this format, the audio signal is converted to digital data and recorded in two channels without compression. Because the capacity of a DVD video disc is large, it can store more data with better accuracy than a CD.

## MPEG4

MPEG4 (ASF) is an audio/video format for the online streaming proposed by Microsoft Corporation. This format allows you to treat audio/video data easily on your personal computer.

Generally, ASF files are so light that they can be stored on comparatively small-capacity media such as SD memory card because they are made for online streaming.

## Playback control (Video CD)

If the Video CD has "With Playback Control" or something similar written on the disc surface or on the jacket, the scenes or information to be viewed (or listened to) can be selected interactively by using the menu shown on the screen.

In these instructions, playback using the menu screen is referred to as "menu play" for video CDs. This player supports Video CDs with playback control.

## Title, Chapter (DVD)

DVDs are divided into large sections (titles) and/or small sections (chapters). Each section is numbered; these numbers are called "Title number" or "Chapter number".

Title 1		Title 2	
Chapter 1	Chapter 2	.....	Chapter 1

## Track (Video CD/CD)

Video CDs or CDs are divided into some sections (tracks). Each section is numbered; these numbers are called "Track number".

Track 1	Track 2	Track 3	Track .....
---------	---------	---------	-------------

**This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.**

# Language Code List

How to input the language code, refer to page 67.

Code	Language Name
6565	Afar
6566	Abkhazian
6570	Afrikaans
6577	Ameharic
6582	Arabic
6583	Assamese
6588	Aymara
6590	Azerbaijani
6665	Bashkir
6669	Byelorussian
6671	Bulgarian
6672	Bihari
6678	Bengali; Bangla
6679	Tibetan
6682	Breton
6765	Catalan
6779	Corsican
6783	Czech
6789	Welsh
6865	Danish
6869	German
6890	Bhutani
6976	Greek
6978	English
6979	Esperanto
6983	Spanish
6984	Estonian
6985	Basque
7065	Persian
7073	Finnish
7074	Fiji
7079	Faroese
7082	French
7089	Frisian
7165	Irish
7168	Scots Gaelic
7176	Galician
7178	Guarani
7185	Gujarati
7265	Hausa
7273	Hindi
7282	Croatian
7285	Hungarian

Code	Language Name
7289	Armenian
7365	Interlingua
7378	Indonesian
7383	Icelandic
7384	Italian
7387	Hebrew
7465	Japanese
7473	Yiddish
7487	Javanese
7565	Georgian
7575	Kazakh
7576	Greenlandic
7577	Cambodian
7578	Kannada
7579	Korean
7583	Kashmiri
7585	Kurdish
7589	Kirghiz
7665	Latin
7678	Lingala
7679	Laothian
7684	Lithuanian
7686	Latvian, Lettish
7771	Malagasy
7773	Maori
7775	Macedonian
7776	Malayalam
7778	Mongolian
7779	Moldavian
7782	Marathi
7783	Malay
7784	Maltese
7789	Burmese
7865	Nauru
7869	Nepali
7876	Dutch
7879	Norwegian
7982	Oriya
8065	Panjabi
8076	Polish
8083	Pashto, Pushto
8084	Portuguese
8185	Quechua

Code	Language Name
8277	Rhaeto-Romance
8279	Romanian
8285	Russian
8365	Sanskrit
8368	Sindhi
8372	Serbo-Croatian
8373	Singhalese
8375	Slovak
8376	Slovenian
8377	Samoan
8378	Shona
8379	Somali
8381	Albanian
8382	Serbian
8385	Sundanese
8386	Swedish
8387	Swahili
8465	Tamil
8469	Telugu
8471	Tajik
8472	Thai
8473	Tigrinya
8475	Turkmen
8476	Tagalog
8479	Tonga
8482	Turkish
8484	Tatar
8487	Twi
8575	Ukrainian
8582	Urdu
8590	Uzbek
8673	Vietnamese
8679	Volapük
8779	Wolof
8872	Xhosa
8979	Yoruba
9072	Chinese
9085	Zulu

# Specifications

## Display Unit

### General

Power supply	: 12 V DC (11 V - 16 V), test voltage 14.4 V, negative ground
Current consumption	: Less than 1.5 A
Dimensions (W x H x D)	: 7" x 1-15/16" x 6-1/2" (178 x 50 x 165 mm)
Weight	: 5 lbs. 1 oz. (2.3 kg)

### Monitor

Liquid crystal panel	: 7" wide
Screen dimensions (W x H x D)	: 6-1/16" x 3-7/16" x 6-15/16" (154 x 87 x 177 mm)
Number of pixels	: 336 960 pixels (234 vertical x 480 horizontal x 3)
Valid pixel ratio	: Over 99.99%
Display method	: Transparent color filter format
Drive method	: TFT (Thin Film Transistor) active matrix format
Light source	: Internal light (Built-in small fluorescent lamp)

### Digital audio output (For CQ-VD7500U)

Disc	Sound recording format	Optical digital audio output from connector
DVD	Dolby Digital	Dolby Digital bitstream (1 – 5.1 ch)
	DTS	DTS bitstream (1 – 5.1 ch)
	Linear PCM (48 kHz 16/20/24 bit)	Linear PCM (2 ch) (48 kHz sampling/16 bit only)
Video CD	MPEG 1	MPEG 1 bitstream
	Linear PCM	Linear PCM (2 ch) (44.1 kHz sampling/16 bit)
CD	Linear PCM	Linear PCM (2 ch) (44.1 kHz sampling/16 bit)
	DTS	DTS bitstream (1 – 5.1 ch)
MP3	MP3	Linear PCM (2 ch) (32 kHz/44.1 kHz/48 kHz sampling/16 bit)

**Note:** When a DVD audio disc is playing, no digital audio data comes out on the optical output.

# Specifications (continued)

## Hide-away Unit

### General

Power supply	: 12 V DC (11 V - 16 V), test voltage 14.4 V, negative ground
Current consumption	: Less than 10 A (during disc playback)
Maximum power output	: 70 W x 4 ch + 35 W (at 16 V) (CQ-VD7700U) : 50 W x 4 ch (at 16 V) (CQ-VD7500U)
Compatible speaker impedance	: 4 - 8 Ω
Video input signal	: Composite video signal, 1.0 Vp-p (75 Ω)
Audio input sensitivity	: 2 Vrms
Video output signal	: Composite video signal, 1.0 Vp-p (75 Ω)
Pre-Amp output voltage	: 5 Vrms
Pre-Amp output impedance	: Less than 60 Ω
Dimensions (W x H x D)	: 13-1/8" x 1-3/4" x 6-15/16" (334 x 44 x 176 mm)
Weight	: 5 lbs. 4 oz. (2.4 kg) (CQ-VD7700U) 4 lbs. 13 oz. (2.2 kg) (CQ-VD7500U)

### FM stereo radio

Frequency range	: 87.9 - 107.9 MHz
Usable sensitivity	: 12 dBf
Stereo separation	: 35 dB (1 kHz)
S/N ratio	: 70 dB

### AM stereo radio

Frequency range	: 530 - 1 710 kHz
Usable sensitivity	: 28 dB/μV
Image rejection ratio	: 50 dB

### Video section

Signal format	: NTSC (Standard signal format in U.S. and Japan)
Video output	: 75 Ω, 1 Vp-p
Region number	: 1 and ALL

### Audio section

	CQ-VD7700U	CQ-VD7500U
Frequency characteristics (Pre-Amp output) (when "LARGE" is selected)		
Front L/R, Center, Rear (surround) L/R	: 20 Hz - 88 kHz	20 Hz - 20 kHz
Delay time		
Dolby Digital		
Center	: 0 - 5 ms	_____
Rear (surround) L/R	: 0 - 15 ms	_____
Dolby Pro Logic II		
Rear (surround) L/R	: 15 - 30 ms	_____
Distortion		
Front L/R	: 0.015 % (1 kHz, 0 dB, PCM input)	0.015 % (1 kHz, 0 dB, PCM input)
S/N ratio (during DVD playback)	: 95 dB	95 dB

Above specifications comply with EIA standards.

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