clarion®

Owner's manual & Installation manual
Mode d'emploi et manuel d'installation
Manul de instrucciones y de instalación

VRX385USB

RADIO/DVD MULTIMEDIA CENTER
CENTRE MULTIMÉDIA DVD/RADIO
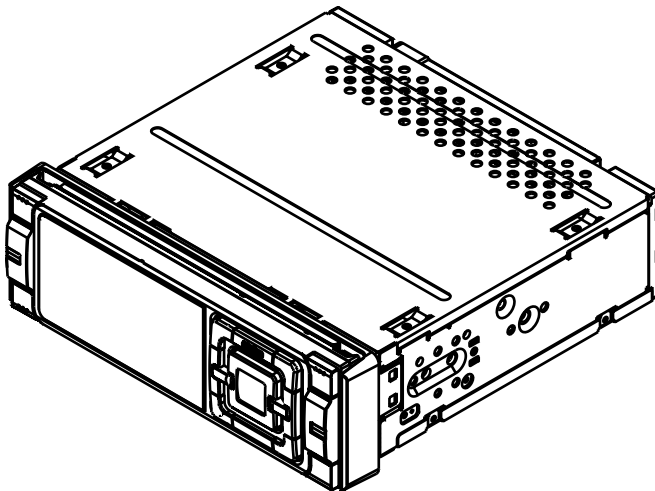**CENTRO DE MULTIMEDIA DE DVD/RADIO**

TABLE OF CONTENTS

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1. FEATURES

Description

· **New 3.5" Wide Screen TFT Display**

· **DVD Video / Audio CD / MP3 / WMA / DivX Play Capability**

· **RCA 6 (+2)-Channel (2Zone) Output**

· **Built-in 50 W x 4 Amplifier**

· **CD-R/CD-RW/DVD±R/DVD±RW Compatible**

· **2Zone Control**

· **USB Memory Playback (MP3/WMA/AAC)**

· **iPod**® **Control**

"**iPod**" is for legal or rightholder-authorized copying only. Don't steal music. "**iPod**" is a trademark of Apple Inc.

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Expanding Systems

iPod
Video
&
Audio

VTR

CCD
Camera

VRX385USB

Multimedia
Station

USB
Memory

BLT370
Bluetooth

AMP
6-Channel

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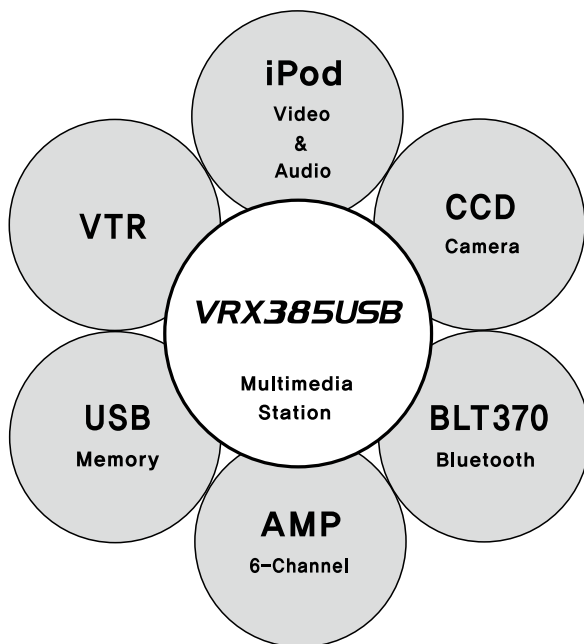
Information Guide

■ *CLARION PRODUCT REGISTRATION INFORMATION*
FOR USA and Canada only

www.clarion.com

Dear Customer:
Congratulations on your purchase of a Clarion mobile electronic products. We are confident that
you'll enjoy your Clarion experience.
There are many benefits to registering your product. We invite you to visit our website at
www.clarion.com to register your Clarion product.
We have made product registration simple with our easy to use website. The registration form is
short and easy to complete. Once you're registered, we can keep you informed of important product
information.
Register at **www.clarion.com** – it's easy to keep your Clarion product up to date.

Français

■ *INFORMATIONS DE L'ENREGISTREMENT DE PRODUITS CLARION*
Pour les Étas Unis et le Canada seulement

www.clarion.com

Cher client:

Nous vous remercions d'avoir acheté ce produit électronique mobile Clarion. Nous sommes
confiants que vous apprécierez votre expérience Clarion.

Il y a beaucoup d'avantage à enregistrer votre produits. Nous vous invitons à visiter notre site
Web **www.clarion.com** pour enregistrer votre produit Clarion.

Nous avons facilité la tache d'enregistrement de produit simple et facile grâce à notre site
Web. Le formulaire d'enregistrement est court et facile à compléter. Lorsque vous êtes
enregistrer, nous pouvons vous tenir informé des informations important de produits.

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Español

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Para USA y Canada nomas

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Felicitaciones por su compra de producto electrónico móvil de Clarion. Estamos seguros que
usted gozará de su experiencia con el producto de Clarion.

Hay muchas ventajas al registrar su producto. Le invitamos a que visite nuestro sitio en
internet **www.clarion.com** para registrar su producto de Clarion.

Hemos hecho el registro de producto fácil en nuestro sitio. La forma de registro es corta y fácil
de completar. Una vez que lo registre, podremos proporcionarle la información de su
producto.

Registrese en **www.clarion.com** - es fácil mantener su producto de Clarion actualizado.

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2. PRECAUTIONS

⚠ WARNING

For your safety, the driver should not watch the DVD video/TV/VTR or operate the controls while driving. Please note that watching and operating the DVD video/TV/VTR while driving are prohibited by law in some countries. Also, while driving, keep the volume to a level at which external sounds can be heard.
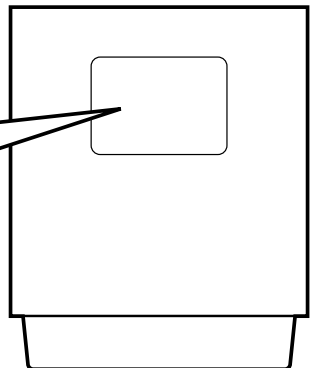
① When the inside of the car is very cold and the player is used soon after switching on the heater, moisture may form on the disc (DVD/CD) or the optical parts of the player and may cause improper playback. If moisture forms on the disc (DVD/CD), wipe it off with a soft cloth. If moisture forms on the optical parts of the player, discontinue any use of the player for about one hour. The condensation will disappear naturally and allow normal operation.

② Driving on extremely bumpy roads which cause severe vibrations may be the cause of skipping sounds.

③ This unit uses precision mechanisms. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.

And following the provisions of 2004/104/EC Directive,
according to paragraph 3.2.9 of Annex I,
meets the limits defined in paragraph 6.5, 6.6, 6.8 and 6.9 of Annex I

Information for Users

Changes or modifications to this product not approved by the manufacture will void the warranty and will violate FCC approval.

MODEL	**VRX385USB** clarion

12V ⊖ GROUND
AM 530-1710kHz / FM 87.9-107.9MHz

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

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUDJECT TO THE FOLLOWING TWO CONDITIONS:
(1)THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2)THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED OPERATION.

This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from MSLGP.

THIS PRODUCTION COMPLIES WHIT DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.

Clarion Co.,Ltd.
7-2,Shintoshin, Chuo-ku, Saitama-Shi, Saitama 330-0081, Japan

MANUFACTURED: **JTC** **********
****

SERIAL NO.
QC-6826B-A

Clarion Co., Ltd.
MADE IN KOREA

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Handling Discs

Handling

■ New discs may have some roughness around its edges. If such discs are used, the player may not work or the sound may skip. Use a ball-point pen or a similar object to remove any roughness from the edges of the disc.

Ball-point pen

Roughness
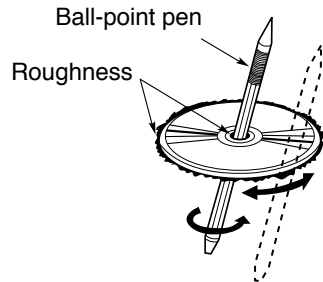
■ Never stick labels on the surface of the disc or mark the surface with a pencil or pen.

■ Never play a disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a disc, you may not be able to eject it from the DVD player or it may cause damage to the DVD player.

Do not use a disc which has large scratches, misshapen or cracked exteriors, etc. The use of such discs may cause improper operation or damage.

■ To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.

■ Do not use commercially available disc protection sheets or discs equipped with stabilizers, etc. Such use may damage the disc or cause breakdowns to the internal mechanism.

Storage

■ Do not expose discs to direct sunlight or heat source.

■ Do not expose discs to excess humidity or dust.

■ Do not expose discs to direct heat from heaters.

Cleaning

■ To remove finger-marks and dust, use a soft cloth and wipe in a straight line from the center of the disc to the circumference.

■ Do not use any solvents, such as commercially available cleaners, anti-static spray, or thinner to clean discs.

■ After using special disc cleaner, let the disc dry off well before beginning to play the disc.
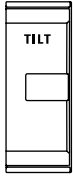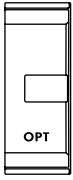
On Discs

■ Do not exert strong force when inserting the disc into the insertion slot.

3. CONTROLS
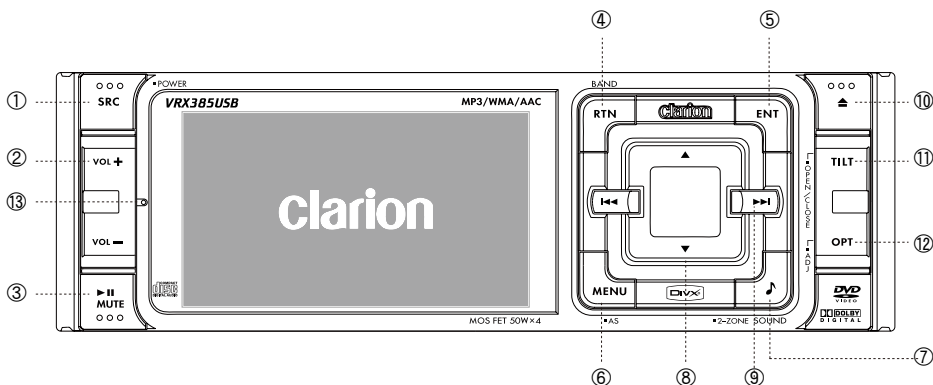
N	BUTTON	FUNCTION
①	○○○ SRC	To turn on/off the power (Press and hold this button more than 2 seconds. If you press this button for more than 2 seconds while turning the power off, the power of the unit will be turned on.)
		To change the operation mode during POWER ON
②	VOL + VOL −	To increase/decrease the volume
③	►‖ MUTE ○○○	To play/pause the playback in the DVD/CD/MP3/iPod(AUDIO)/USB modes To stop the playback (Press and hold this button for more than 2 seconds.) To turn on/off the mute in the TUNER/AUX(VIDEO) modes
④	RTN	To switch to the previous screen To switch reception band in the TUNER mode
⑤	ENT	To select the item or menu To display an information (artist, genre, composer, etc) of the selected file in the MP3 mode.(Disc mode only)
⑥	MENU	To store automatically to the PRESET channels in the TUNER mode (Press and hold this button for more than 2 seconds.) : Auto Store To display lists(file, track, PRESET, etc) in first screen of each mode

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⑦	[♪ icon]	To enter/exit the SOUND mode To enter/exit the 2ZONE mode (Press and hold this button for more than 2 seconds.)
⑧	[cursor icon]	To scroll lists or move the cursor
⑨	[◄◄ ►►]	To adjust the item value To perform the chapter/track/file down or up To play at fast backward or fast forward during AUDIO/VIDEO playback (Keep pressing this button.)
⑩	[eject icon]	To view the disc insertion slot when the DCP is closed To eject the disc. (When the unit is in power off condition, press and hold this button for more than 2 seconds to eject)
⑪	[TILT]	To open/close the control panel (Press and hold this button for more than 2 seconds.) To adjust the angle of the control panel
⑫	[OPT]	To use OPTION function in some mode To enter/exit the ADJUST mode (Press and hold this button for 2 seconds). To cancel RDS interruption. Press the [OPT] button.
⑬	[○ reset]	Reset button. (Please use the reset pin.)

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Remote Control

1. **Remote Control Unit**

POWER/SRC — PWR/SRC

BAND — BAND

RPT — RPT

0 ~ 9 — 1 2 3 4 5 6 7 8 9

SCAN — SCAN

RDM — RDM

PBC — PBC

P.TIME — 0 P.TIME

SEARCH MODE — SEARCH MODE

SETUP — SETUP

MENU — MENU

▲ ◀ ▶ ▼

ENTER — ENTER

RTN — RTN

TOP MENU — TOP MENU

SLOW — SLOW

PLAY/PAUSE — ►II

MUTE — MUTE

PLAY/PAUSE

P.CH — P.CH

VOLUME — VOLUME

AUDIO — AUDIO

2-Zone — 2-ZONE

SUB TITLE — SUB TITLE

ANGLE — ANGLE

clarion
WIRELESS REMOTE CONTROLLER

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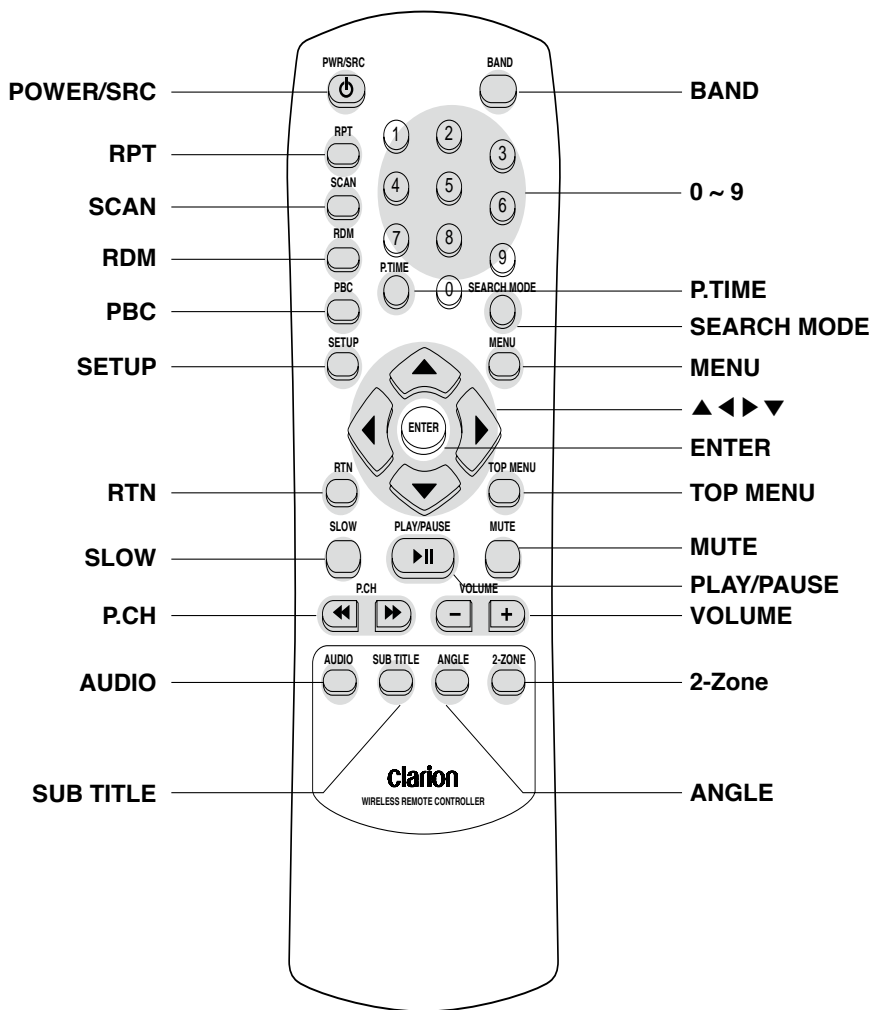
2. Inserting the Batteries

① Open the rear cover, and remove it and insert the AAA (SUM-4, IEC LR03/1.5V) batteries bundled with the remote control unit in the directions as shown in the figure and then, close the rear cover.

② Using batteries improperly can cause them to explode. Take note of the following points:

- When replacing batteries, replace both batteries with new ones
- Do not short-circuit, disassemble or heat batteries.
- Do not dispose of batteries in fire or flames.
- Dispose of discharged batteries properly.

AAA (SUM-4, IEC LR03/1.5V)
Batteries

Battery cover

Rear side
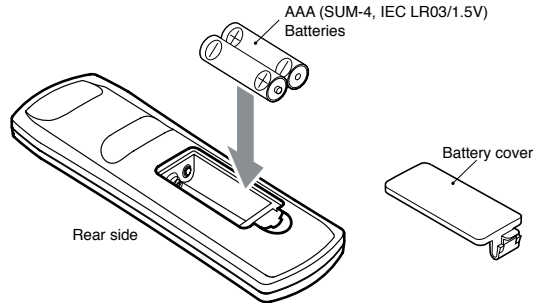
3. Button Functions

You can use the remote control unit to control this unit. The steering wheel remote control operation works on the MAIN Zone even when the SUB Zone is selected.

N	BUTTON	FUNCTION
①	**[PWR/SRC]**	To change the operation mode To turn on/off the power (Press and hold more then 2 seconds.)
②	**[BAND]**	To switch reception band in TUNER mode
③	**[RPT]**	To repeat chapter in DVD mode To repeat the track in CD mode To perform the file/folder repeat in the MP3/USB modes
④	**[SCAN]**	To scan tracks in USB mode To scan tracks/folders in MP3 mode
⑤	**[RDM]**	To play tracks at random in the CD mode To play files/folders at random in the MP3/USB modes
⑥	**[PBC]**	To turn on/off PBC function.
⑦	**[0-9]**	To select the PRESET number in the PRESET List screen of TUNER mode To input the chapter number in the DVD mode
⑧	**[P.TIME]**	To turn on/off the playtime display in DVD mode
⑨	**[SEARCH MODE]**	To switch the search mode (To enter search mode. Use the [◀] [▶] keys to switch the chapter/title/time search mode)

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⑩	**[SETUP]**	To display the setup menu in DVD mode.
⑪	**[MENU]**	To display stored menu on the DVD video disc.
⑫	**[▲][▲]** **[▶][▼]**	To select a menu or item To scroll the track/folder list screen in MP3 mode
⑬	**[ENTER]**	To select track, file, folder or item in all modes
⑭	**[RTN]**	To return to the previous screen from the list or menu screens To switch to the previous screen display while the menu screen is being displayed.
⑮	**[TOP MENU]**	To display title menu screen on the DVD video disc
⑯	**[SLOW]**	To perform slow playback in DVD mode
⑰	**[PLAY /PAUSE]**	To play or pause the playback To stop video playback in the DVD Video mode (keep pressing for more than 2 seconds.)
⑱	**[MUTE]**	To turn the mute on/off When the mute is turned on, 🔇 **MUTE** appears at the top right of the screen.
⑲	**[P.CH]**	To seek up/down in the TUNER mode To select the next higher or lower chapter number in DVD mode To perform fast forward and fast backward (Keep pressing) in the DVD/ iPod modes. To select the next higher or lower track in CD/MP3 modes To select the next higher or lower track numbers in the iPod mode.
⑳	**[VOLUME]**	To increase/decrease the volume
㉑	**[AUDIO]**	To switch the AUDIO function in DVD/CD modes
㉒	**[SUB TITLE]**	To display the subtitle in DVD mode
㉓	**[ANGLE]**	To switch the ANGLE function in the DVD mode when the ANGLE MARK is displayed (available only on multiple angles DVDs)
㉔	**[2Zone]**	To turn on/off 2Zone function (Press and hold for more than 2 seconds.) To change the SUB Zone mode when 2Zone function is turned on

4. When SUB Zone is selected

SUB Zone operations are supported, but button functions are limited as follows:
[VOLUME] button controls sound volume for MAIN Zone source.
[MUTE] button controls audio mute function for MAIN Zone source.

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4. SUMMARY OF EACH MODE

POWER ON/OFF Mode

● Press and hold the [SRC] button for more than 2 seconds after ENGINE ON.

11 : 25 am

● The "WARNING" sentence initially become displayed on the screen.

WARNING

DRIVER IS PROHIBITED BY LAW FROM
VIEWING A VIDEO ON ANY IN DASH MONITOR
WHILE THE VEHICLE IS IN MOTION

● Last mode screen(such as the TUNER mode) is displayed in a moment.

TUNER

FM1 89.10 MHz

11 : 2 5 am

● If you want to turn the power of the unit off, press and hold the [SRC] button for more than 2 seconds again.

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TUNER Mode

● Enter into TUNER mode.

```
TUNER


     FM1   89.10 MHz



                        1 1 : 2 5 a m
```

● Press the [MENU] button to display the PRESET channels.

```
TUNER  FM1  89.10 MHz

    1  89.10 MHz      4  97.30 MHz

    2  93.10 MHz      5  97.30 MHz

    3  93.10 MHz      6 106.10 MHz


                        1 1 : 2 5 a m
```
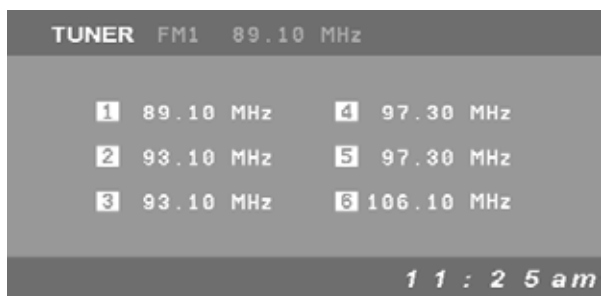
● Press the [RTN] button to switch to the reception band.

```
TUNER  FM2  93.10 MHz

    1  89.10 MHz      4  97.30 MHz

    2  93.10 MHz      5  97.30 MHz

    3  93.10 MHz      6 106.10 MHz


                        1 1 : 2 5 a m
```

16
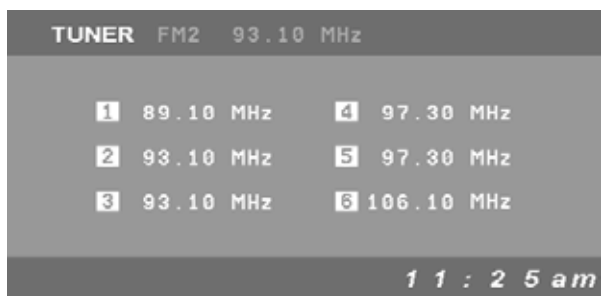
DVD Video Mode

● Insert a DVD-video disc. The playback will start automatically.

```
DISC READING....
```

● Press the [OPT] button to change the detail setting.

OPTION

CHAPTER
REPEAT   TITLE   TITLE
              REPEAT   RANDOM

SCREEN

● Press the [▼] button to choose the "SCREEN" item.
Then press the [ENT] button to change the screen size.

FULL   NORMAL   CINEMA

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CD Mode

● Insert an Audio CD. The play mode is automatically engaged.

```
CDDA



      ♪001   0:02:25


                    1 1 : 2 5 a m
```

● Press the [OPT] button to change the detail setting.

```
OPTION


  TRACK      DISC        DISC
  REPEAT     REPEAT      RANDOM



```

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MP3 Mode

● Insert a CD on which MP3/WMA music data have been recorded. The play mode is automatically engaged.
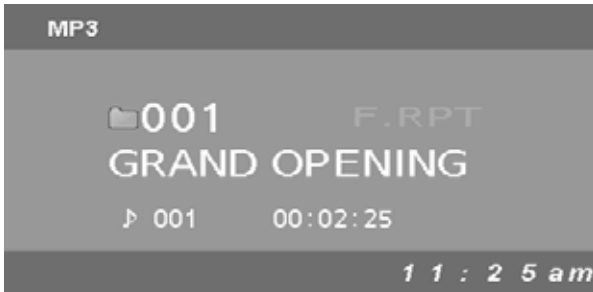
● Press the [MENU] button to display folder and file lists.
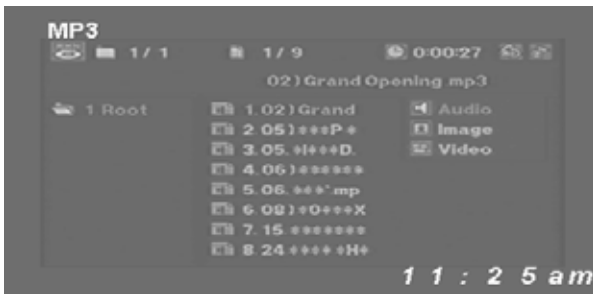
● Press the [OPT] button to change the detail setting.
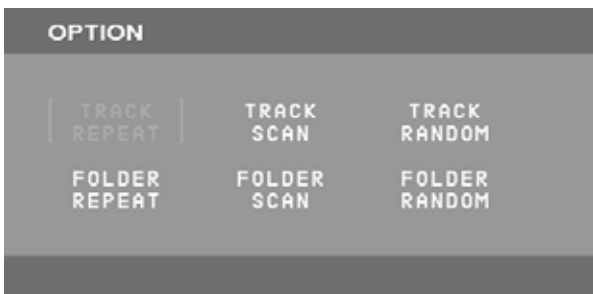
AUX Mode

● Enter into AUX mode.

```
AUX




                               1 1 : 2 5 a m
```

● Press the [OPT] to change the detail settings.

```
OPTION


   AUX SENS        SCREEN
    MIDDLE



```
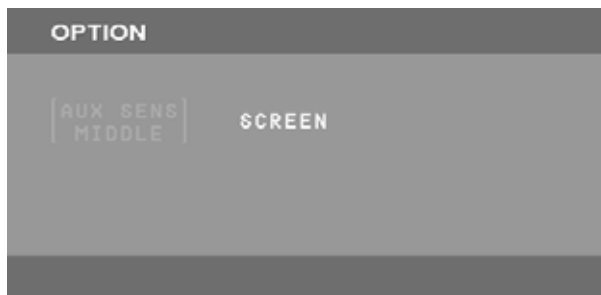
iPod Mode

● Connet an iPod unit (that an AUDIO/VIDEO data is stored) to your unit.
 The playback will start automatically.

iPod

♪001
GRAND OPENING
00:02:25
1 1 : 2 5 a m
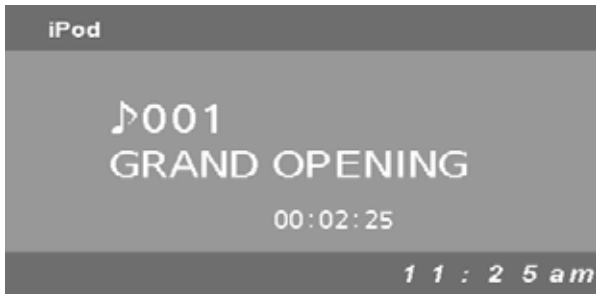
● Press the [MENU] button to display data lists.

iPod 　　　　　　　　📖001/256　⏱0:00:27

256 ****************

001 02)GRAND OPENING ►

002 ****************

003 ****************

1 1 : 2 5 a m

● Press the [OPT] button to change the detail setting.

OPTION

VIDEO　　REPEAT　　SHUFFLE
　　　　　ALL　　　　OFF

● Press the [ENT] button to switch to VIDEO mode.

● Select the video data on the iPod unit. The video will be played back automatically.

● Press the [OPT] button and [▶▶] button two times to choose the "SCREEN" item.
Then press the [ENT] button to change the screen size.

FULL   NORMAL   CINEMA
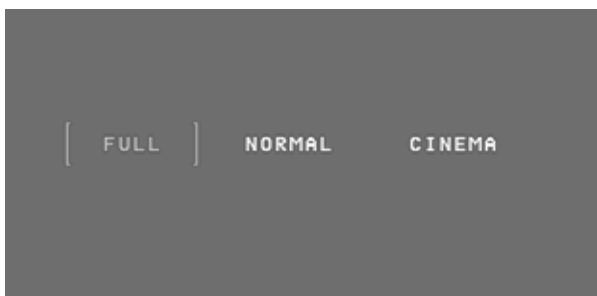
● Press the [RTN] button to display the previous screen.

OPTION

VIDEO   AUX SENS
         MIDDLE   SCREEN

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SOUND Mode

● Press the [♪] button.

```
Z-ENHANCER     BAL/FAD      OTHERS


   OFF          BASS         IMPACT
                BOOST

 EXCITE         CUSTOM
```

● Press the [ENT] button to use the detail functions.

```
Z-ENHANCER     BAL/FAD      OTHERS


   OFF        | BASS |       IMPACT
              | BOOST |

 EXCITE         CUSTOM
```
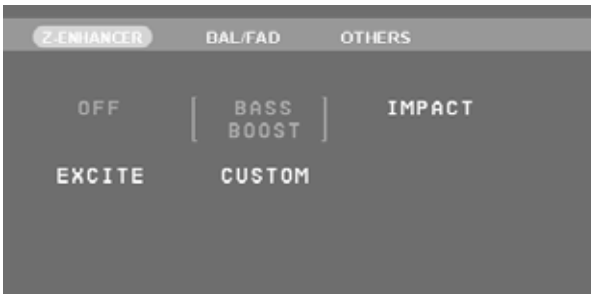
● Press the [ENT] button to adjust the value of "BASS BOOST" item.

```
Z-ENHANCER     BAL/FAD      OTHERS


   ON           BASS         IMPACT
                BOOST

 EXCITE         CUSTOM



   BASS  BOOST       0
```

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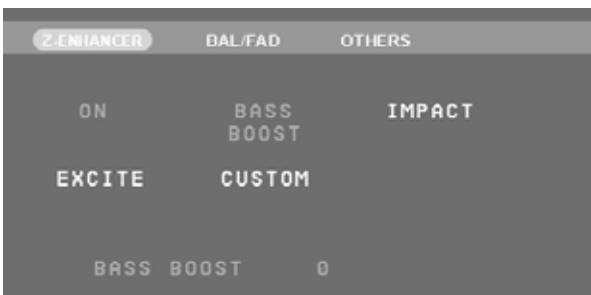
● Press the [RTN] button 2 times. And press the [▶▶|] button to search "BAL/FAD" item.

Z-ENHANCER	BAL/FAD	OTHERS
	FADER	0
	BALANCE	0
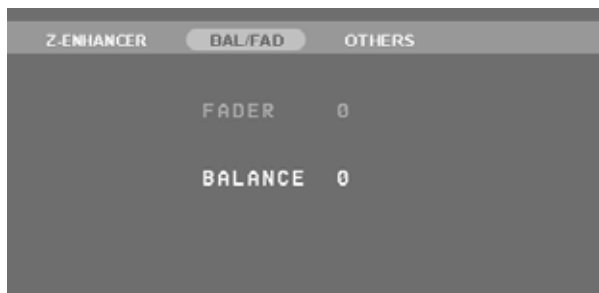
● Press the [▶▶|] button to select "OTHERS" item.

Z-ENHANCER	BAL/FAD	OTHERS		
SUB WOOFER VOL	00			
M-B EX	ON		OFF	
HIGH PASS FILTER	120Hz		THRU	
LOW PASS FILTER	50Hz	80Hz	120Hz	THRU
AMP CANCEL	ON		OFF	

USB Mode

● Connect a USB memory device(in which MP3/WMA/AAC files are stored) to your unit.
  The playback will start automatically.

```
MP3

   📁001              F.RPT
   GRAND OPENING
   ♪ 001      00:02:25
                         1 1 : 2 5 a m
```
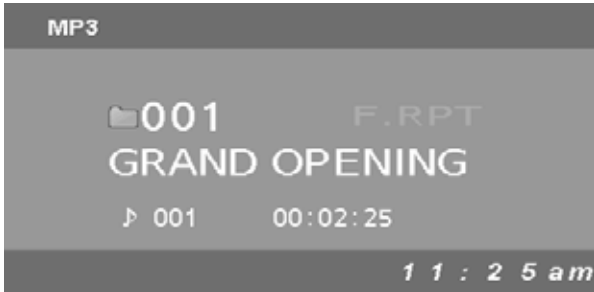
● Press the [MENU] button to display folder/file lists.

```
iPod              📄001/256    ⏱0:00:27
  256 ****************
  001 02)GRAND OPENING ►
  002 ****************
  003 ****************
                         1 1 : 2 5 a m
```

● Press the [OPT] button to change the detail setting.

```
OPTION

   TRACK        TRACK        TRACK
   REPEAT       SCAN         RANDOM

   FOLDER       FOLDER       FOLDER
   REPEAT       SCAN         RANDOM
```

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ADJUST Mode

● Press and hold the [OPT] button for more than 2 seconds.

MONITOR	GENERAL		
MONITOR ADJUST	ADJUST		
CAMERA INT.	ON	OFF	
CAMERA WARNING	ON	OFF	
NTSC/PAL/AUTO	NTSC	PAL	AUTO

● Press the [▶▶|] button to select "GENERAL" item.

MONITOR	GENERAL		
CLOCK	ADJUST	AM 12:00	
BEEP	ON	OFF	
TEL SWITCH	ON	OFF	MUTE
TEL SPEAKER	LEFT	RIGHT	

● Press the [ENT] button to adjust the detail functions.

MONITOR	GENERAL		
CLOCK	[ADJUST]	AM 12:00	
BEEP	ON	OFF	
TEL SWITCH	ON	OFF	MUTE
TEL SPEAKER	LEFT	RIGHT	

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● Press the [ENT] button to set the time.

```
CLOCK

     AM        12    :    00

     AM / PM        [  ‹  AM  ›  ]

     HOUR              12

     MINUTE            00
```
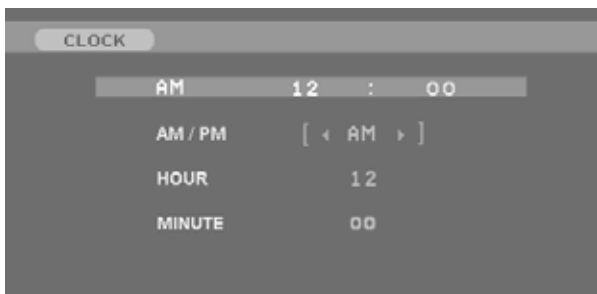
● Press the [▶▶|] button to change "AM" to "PM".
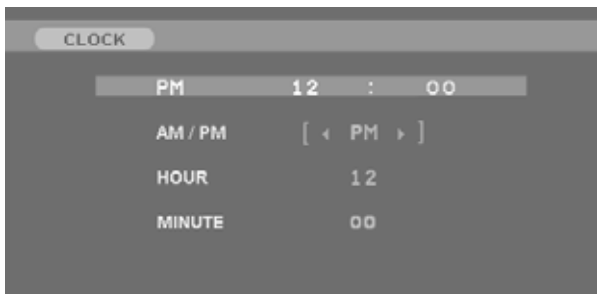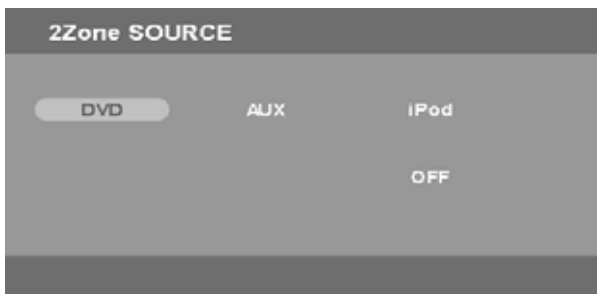
```
CLOCK

     PM        12    :    00

     AM / PM        [  ‹  PM  ›  ]

     HOUR              12

     MINUTE            00
```

5. CAUTIONS

Control Panel/Generalities

For a longer service life, be sure to read the following cautions.

- Be sure to close the control panel inside the main unit when parking the car outdoors for prolonged periods of time. The control panel will operate properly within a temperature range of 0 to 60°C.

- Do not allow any liquids on the unit from drinks, umbrellas etc. Doing so may damage the internal circuitry

- Do not disassemble or modify the unit in any way. Doing so may result in damage.

- Do not draw out the control panel and use it as a tray. Also, subjecting the control panel to shock may result in breakage, deformation or other damages.

- Do not let cigarettes burn the display. Doing so may damage or deform the cabinet.

- If a problem should occur, have the unit inspected at your place of purchase.

- When the panel is tilted, do not insert objects or poke within spaces between the control panel and the main unit.

- When the panel is tilted, do not place anything on the display.

- The remote control unit may not work if the remote control sensor is exposed to direct sunlight.

- In extremely cold weather, the movement of the display may slow down and the display may darken,but these are not malfunctions. The display will work normally when the temperature returns to operating temperature range.

- The control panel may stop temporarily when it opens or closes, when the engine stops or when the weather is cold.

- Do not exert much force to the case surrounding the control panel. This may lead to malfunction.

Cleaning

Cleaning the cabinet

For tough dirt, apply some neutral detergent diluted in water to a soft cloth, wipe off the dirgently and wipe again with a dry cloth. Do not use benzene, thinner, car cleaner, etc., as these substances may damage the cabinet or cause the paint to peel. Also, leaving rubber or plastic products in contact with the cabinet for prolonged periods of time may cause stains.

Cleaning the LCD panel

The LCD panel tends to collect dust, so wipe it off occasionally with a soft cloth.
The surface is easily scratched, so do not rub it with hard objects.

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6. DVD VIDEO SYSTEM

DVD Video Features

DVD video is a high-quality digital video source that provides crisp and clear images. One 12cm disc contains either one film or four hours of music. This unit provides the following functions in addition to the high image quality and sound quality of DVD video. The following functions differ with the DVD video disc. Refer to the instructions provided with the DVD video. Some disc functions may operate differently from the descriptions within this manual.

Multi-Sound

DVD video can store up to 8 languages for one film; select the language of your preference. The languages stored on the disc are indicated by the icon shown below.

Multi-Angle

A DVD video that is filmed from multiple angles allows you to select the angle of choice. The number of recorded angles is indicated by the icon shown below.
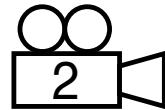
Sub-Picture (Subtitle)

A DVD video can record subtitles for up to 32 languages and you can select the language of the subtitles you wish to see.
The number of recorded subtitle languages is indicated by the icon shown below.
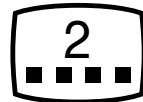
Multi-Story

When a DVD video contains more than one story for a film, you can select the story you wish to view. The operation procedures vary with the type of disc; observe the instructions for selecting a story provided during playback.

Dolby Digital

Dolby Digital enables up to 5.1 independent multi-channel audio reproductions, the same type of surround system that is used in cinemas.

Menu Screen

Menus can be called up during DVD video playback to perform menu setting.
To display the menu, press the [MENU] button.

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Discs

Playable Discs

This DVD video player supports the following disc formats.

CD Extra Discs

A CD Extra disc is a disc in which a total of two sessions have been recorded. The first session is the AUDIO session and the second session is the DATA session. Your personally-created CDs with more than two recorded DATA sessions are not supported by this DVD video player. When you play a CD Extra disc, only the first session will be recognized.

CD-R/CD-RW Discs (MP3/ WMA)

This player supports Audio CD format (MP3/ WMA) on CD-R/CD-RW discs.

DVD±R/RW Discs

This player supports MP3/WMA files recorded on DVD±R/RW discs.

Unsupported Disc Format

This DVD video player will not supportck DVD Audio, DVD-RAM, Photo CDs, etc. It may also not be possible to play back CDs recorded on a CD-R unit and CD-RW unit. (Cause : disc characteristics, cracks, dust/dirt, dust/dirt on player's lens, etc.) If a CD-R or CD-RW disc that has not been finalized is played, it may take a prolonged period of time to initialize playing . Also, it may not be possible to play depending on recording conditions. You cannot play SUPER AUDIO CDs. Playback of the CD player is not supported even if the disc is a hybrid disc.

MP3/WMA Playback

This unit supports CD-R/CD-RW, DVD-R/RW and DVD+R/RW discs on which MP3/WMA music data have been recorded.

DivX Playback

This player supports DivX format file recorded on DVD±R/RW and CD-R/RW discs.

Region Number

The DVD video system assigns a region number to DVD video players and DVD discs by sales area. The DVD video region number is marked on the disc jacket as shown below.

Registered Trademark

- 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.

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

- "iPod" is for legal or rightholder-authorized copying only. Don't steal music. "iPod" is a trademark of Apple Inc. registered in the U.S and other countries.

- Windows Media^{TM}, the Windows$^{®}$ logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

- DivX, DivX Certified, and associated logos are trademarks of DivX Inc and are used under license.

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7. OPERATIONS

DCP Operations

The control panel can be detached to prevent theft. When detaching the control panel, store it in the DCP (Detachable Control Panel) case to prevent scratches. Please take the DCP with you when leaving the car.

Remove DCP

① When the control panel is open
Keep pressing the [RELEASE] button on the back of the DCP and pull the front side of the DCP toward you, and remove it.

PUSH
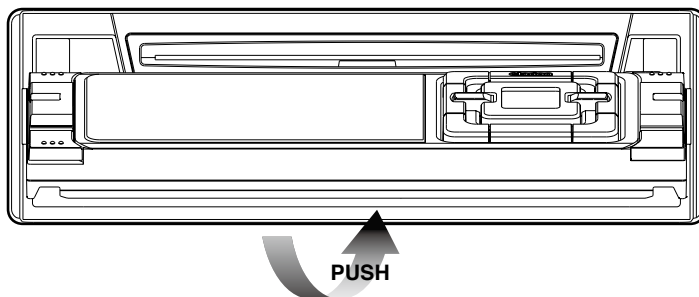
Attach DCP

① Hook the left side of the DCP.
② Press the right sides of the DCP with force.

Cautions

- The DCP can easily be damaged by impact. After removing it, be careful not to drop or give impact.
- Remote control unit cannot be used when the DCP is removed.
- If the DCP is dirty, wipe it off by using a soft dry cloth.

Basic Operations

POWER ON/OFF

- Start the engine before using this unit. The illuminations on this unit will light up.
- Press and hold the [SRC] button for more than 2 seconds to turn the power on. To open the Control panel, press the [TILT] button more than a second. The last mode screen is displayed.
- Press and hold the [SRC] button for more than 2 seconds to turn the power off.

※ When the unit is turned on, starting and stopping the engine with the volume raised to maximum level may harm your hearing. Be careful when adjusting the volume. Be careful whenusing this unit for prolonged periods of time without running the engine. If the car battery is discharged to excessive levels, you may not be able to start the engine and can reduce the service life of the battery.

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Mode Selections

■ Press the [SRC] button to change operation mode when the control panel is open/closed.

■ Each time you press the [SRC] button, the operation mode changes in the following order:

   TUNER mode → **DVD(CD/MP3) Play mode** → **USB mode or iPod mode** → **AUX mode**

■ When the 2Zone function is turned on, the [SRC] button will operate only for the MAIN Zone. To switch to the SUB Zone source. Use the [♪] button or [2Zone] button on the remote control unit.

Control Panel

■ Cautions

   To prevent the battery from becoming completely discharged, operate this unit with the engine running whenever possible. When the control panel is operating, be careful not to get your hands or fingers caught in between the control panel and the main unit. Do not move the control panel by hand.

■ Opening the control panel

   ① Press and hold the [SRC] button for more than 2 seconds to turn the power on.
   ② Press the [TILT] button for more than 2 seconds. The control panel comes out toward you.
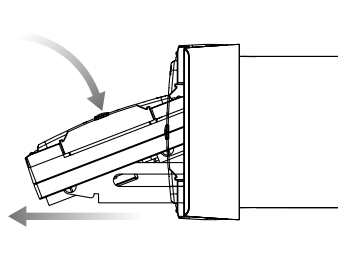
■ Closing the control panel

   Press the [TILT] button more than 2 seconds. The control panel is automatically housed. If you do not use the unit for a prolonged period oftime or leave the car, please house the control panel.
   ※ OPEN or CLOSE function might not work properly if ACC is off while opening or closing the control panel or if moved by manually.

■ Adjusting the angle of the control panel

   Each press of the [TILT] button tilts the control panel forward or backward.

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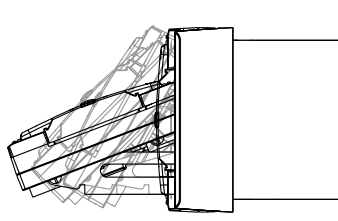
AUDIO Operations

SOUND	Z-ENHANCER	Z-ENHANCER BASS BOOST IMPACT EXCITE	
		CUSTOM	BASS GAIN BASS FREQ BASS Q TREBLE GAIN TREBLE FREQ
	BAL/FAD		
	OTHERS	SUB WOOFER VOL M-B EX HIGH PASS FILTER LOW PASS FILTER AMP CANCEL	

1. Z-ENHANCER

Press the [♪] button to enter into SOUND mode. Press the [ENT] button to adjust detail items. To adjust the "BASS BOOST", "IMPACT", "EXCITE", "CUSTOM" item, set the Z-ENHANCER to "ON". Use the [|◀◀] or [▶▶|] button to adjust the level.

BASS BOOST - Seeing the following table, set the value to emphasize low sound.

SET	BASS	TREBLE
+3	F = 80Hz, G=+12dB, Q=1	F=12KHz, G= 4dB
+2	F = 80Hz, G=+10dB, Q=1	F=12KHz, G= 4dB
+1	F = 80Hz, G=+ 8dB, Q=1	F=12KHz, G= 4dB
0	F = 80Hz, G=+ 6dB, Q=1	F=12KHz, G= 4dB
-1	F = 80Hz, G=+ 4dB, Q=1	F=12KHz, G= 4dB
-2	F = 80Hz, G=+ 2dB, Q=1	F=12KHz, G= 4dB
-3	F = 80Hz, G=+ 0dB, Q=1	F=12KHz, G= 4dB

IMPACT - Seeing the following table, set the value to emphasize both low sound and high sound.

SET	BASS	TREBLE
+3	F = 80Hz, G=+10dB, Q=1	F=8KHz, G= +6dB
+2	F = 80Hz, G=+ 8dB, Q=1	F=8KHz, G= +6dB
+1	F = 80Hz, G=+ 8dB, Q=1	F=8KHz, G= +4dB
0	F = 80Hz, G=+ 6dB, Q=1	F=8KHz, G= +4dB
-1	F = 80Hz, G=+ 6dB, Q=1	F=8KHz, G= +2dB
-2	F = 80Hz, G=+ 4dB, Q=1	F=8KHz, G= +2dB
-3	F = 80Hz, G=+ 4dB, Q=1	F=8KHz, G= 0dB

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EXCITE - Seeing the following table, set the value to weaken intermediate sound and emphasize both low sound an d high sound.

SET	BASS	TREBLE
+3	F = 50Hz, G=+ 10dB, Q=1	F=12KHz, G= +8dB
+2	F = 50Hz, G=+ 8dB, Q=1	F=12KHz, G= +8dB
+1	F = 50Hz, G=+ 8dB, Q=1	F=12KHz, G= +6dB
0	F = 50Hz, G=+ 6dB, Q=1	F=12KHz, G= +6dB
-1	F = 50Hz, G=+ 6dB, Q=1	F=12KHz, G= +4dB
-2	F = 50Hz, G=+ 4dB, Q=1	F=12KHz, G= +4dB
-3	F = 50Hz, G=+ 4dB, Q=1	F=12KHz, G= +2dB

CUSTOM - Choose the "CUSTOM" item and select the "CUSTOM DETAIL" item. "BASS" controls low sound and "TREBLE" controls high sound.

2. BAL/FAD

To control the location adjustment of the sound, choose the "BAL/FAD" item and press the [ENT] button. Use the [▲][▼][|◄◄] [►►|] button to adjust the balance/fader level.

FADER

- To emphasize the sound from the front speaker or rear speaker.
- This function has a range from 0 to 12.

BALANCE

- To emphasize the sound from the right speaker or left speaker
- This function has a range from 0 to 13.

3. OTHERS

To adjust other functions, choose the "OTHERS" item and press the [ENT] button.

SUB WOOFER VOL

- To control the volume level of the subwoofer

M-B EX

- To boost low sounds of below 50Hz

HPF

- To control the output of POWER-AMP

LPF

- To control the output of SUB-WOOFER

AMP CANCEL

- To control the using presence of built-in AMP
- Select the ON or OFF value to enable/disable the internal amplifier. If you use the external AMP, it is recommended that the built-in AMP be turned off.

ADJUST Operations

ADJ	MONITOR	MONITOR ADJUST	BRIGHT COLOR HUE DIMMER
		CAMERA INT. CAMERA WARNING NTSC/PAL/AUTO	
	GENERAL	CLOCK BEEP TEL SWITCH TEL SPEAKER	

1. MONITOR

Press and hold the [OPT] button for more than 2 seconds to enter into ADJUST mode. Press the [ENT] button to adjust detail items.

MONITOR ADJUST
- To adjust the BRIGHT, COLOR, HUE, DIMMER

CAMERA INT
- ON : To turn rear camera on when reverse line is activated
- OFF : To ignore reverse line not to be interrupted by camera

CAMERA WARNING
- When you are using CCD camera, select the ON value if you want to see the warning message. Select the OFF value if you do not want to.

NTSC/PAL/AUTO
- To set the VTR system for AUX video input. When selecting AUTO mode, the monitor will automatically select the video system according to the input video signal.

1-1. MONITOR ADJUST : At TUNER, iPod, USB Mode

Select the [ADJUST] item of the "MONITER ADJUST" in the ADJUST mode.

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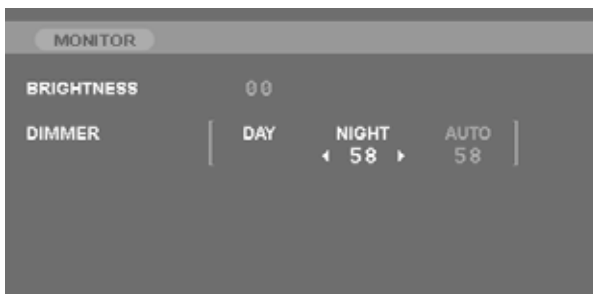
BRIGHTNESS

- To adjust the brightness of display image.
- Press the [|◄◄] button to make the image darker.
- Press the [►►|] button to make the image brighter.

DIMMER

- To adjust the brightness of the LCD when the car lights are on/off.
- [DAY] : Brightness of the LCD is always set to maximum level.
- [NIGHT] : Brightness of the LCD is always set to user setting level.
- [AUTO] : According to the status of the car light, brightness of the LCD is changed.
  (When the car light is off : DAY color, on : NIGHT color)

1-2. MONITOR ADJUST : At DVD, AUX Mode


```
┌  ▲ AUTO ▼  ┐
│    58      │
└            ┘
 DIMMER   BRIGHT   COLOR   HUE
```
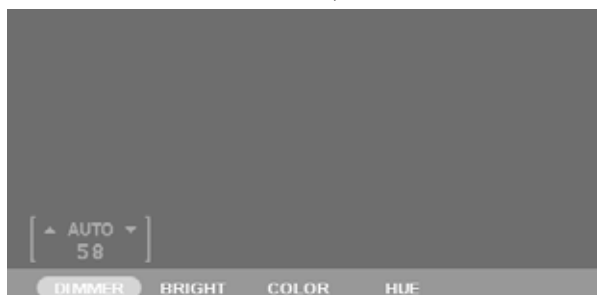
BRIGHT

- To adjust the brightness of display image.
- Press the [|◄◄] button to make the image darker.
- Press the [►►|] button to make the image brighter.

DIMMER

- To adjust the brightness of the LCD when the car lights are on/off
- DAY : Brightness of the LCD is always set to maximum level.
- NIGHT : Brightness of the LCD is always set to user setting level.
- AUTO : According to the status of the car light, brightness of the LCD is changed.
  (When the car light is off : DAY color, on : NIGHT color)

COLOR

- To adjust the color depth
- Press the [|◄◄] button to decrease the color depth.
- Press the [►►|] button to increase the color depth.
- This function enables to adjustments of the values on the VIDEO-play / DVD MODE/ AUX MODE/ iPod VIDEO MODE.

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HUE

- To adjust the tone of color

- Press the [|◀◀] button to increase the red.

- Press the [▶▶|] button to decrease the green.

- This function enables to adjust the value on the VIDEO-play/DVD MODE/ AUX MODE/ iPod VIDEO MODE. Only when the NTSC mode is selected, this function can be adjusted.

2. GENERAL

Press and hold the [OPT] button for than 2 seconds, then select "GENERAL" item.

CLOCK

- To set up the time, choose the [ADJUST] value and press the [ENT] button.

- Adjust the value (AM, PM, HOUR, MINUTE) by pressing the [|◀◀] or [▶▶|] button.

BEEP

- The sound heard when you press the button is called BEEP.

- ON : To turn the BEEP sound on

- OFF : To turn the BEEP sound off (In spite of "OFF" setting, the WARNING BEEP sound comes out.)

- When memorizing, the BEEP sounds longer.

TEL SWITCH

- To set up the mobile phone interruption

- When you connect your mobile phone to this unit using a separately sold cable, you can listen to your telephone calls on your car speakers.

- ON : To listen to your telephone calls from the speakers connected to this unit (When listening to your car speakers, you can adjust the volume level.)

- OFF : To continue normal operation even when you use the telephone calls (When you set this function to OFF, disconnect the mobile phone from the cable or turn off the power of the mobile phone.)

- MUTE : To mute the sound during your telephone calls (This function is not compatible with all mobile telephones. Contact your local authorized Clarion dealer for information on proper installation and compatibility.)

TEL SPEAKER

- To change the output speaker for the mobile phone

- To output the telephone calls, set the above "TEL SWITCH" item to ON.

- During mobile phone interruption, settings of this function is set to disabled.

- LEFT : To hear your telephone calls from the left speaker connected to this unit

- RIGHT : To hear your telephone calls from the right speaker connected to this unit

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2Zone Operations

Description

The 2Zone function is a function that outputs separate sounds/images from the MAIN and SUB Zone (such as the rear monitor) by simultaneously operating two sources in the one center unit. Thereby, plural listeners are allowed to enjoy separate audio/visual sources. The 2Zone function allows internal sources (TUNER, DVD, iPod) and external sources (AUX, etc.) to be played on the MAIN and SUB Zone. Controlling sources of MAIN and SUB Zone can be made from the main unit and from the remote control unit. The source sounds of the MAIN zone are played back from the speakers positioned at the sides of the vehicle, and those of the SUB zone are from the wireless headphone. Sound volume control on the SUB Zone is performed by wireless headphone. When you run the units for the first time, 2Zone function is set to the OFF, both of the MAIN and SUB Zone are set to the MAIN source.

- The TUNER mode cannot be specified for the SUB Zone.

- The steering wheel remote control operations work upon the MAIN Zone even when the SUB Zone is selected.

- If a mobile phone interrupt arises when an external equipment is specified for the SUB zone, the 2-ZONE function is automatically turned off and does not resume the 2-ZONE ON status even when the interruption is finished.

- You cannot switch the MAIN and SUB Zone when the front monitor locked screen or CCD camera screen is displayed.

- The ON/OFF of the 2Zone keeps up regardless of the engine or power ON/OFF.

Display

To display the 2-ZONE mode screen, press the [♪] button for more than 2 seconds. Select the desired source. (2-ZONE mode : DVD(CD/MP3), AUX, iPod, OFF)
※ 3 DVD VISUAL(AUX) ※ iPod (VIDEO) RADIO USB

Specification of Conversion

- When the 2Zone function is turned on, the source of the MAIN and SUB Zone is made up of the mixture besides of the external source.

- The source conversion of the MAIN Zone is available when the 2Zone setting mode sets up to the MAIN Zone.

- The source conversion of the SUB Zone is available when the 2Zone setting mode sets up to the MAIN Zone.

- The source conversion of the MAIN Zone and SUB Zone is as like below.

MAIN \ SUB	※ 3 **DVD**	**VISUAL(AUX)**	※ 2 **iPod** (VIDEO)	**RADIO**	**USB**
RADIO	※ 1 Y	※ 1 Y	※ 1 Y	N	N
DVD	Y	Y	Y	N	N
VISUAL(AUX)	Y	Y	N	N	N
iPod	Y	Y	Y	N	N
USB	Y	Y	Y	N	N

NOTE
※1 : Receiving condition of some stations may be altered in the 2Zone mode.
※2 : To select the VIDEO mode of a iPod when you watch in the SUB Zone.
※3 : DVD operation can be done only in the MAIN Zone.

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RADIO Operations

Listening to the Radio

- Switch to the tuner mode.
- Press the [BAND] button on the remote control unit or press the [RTN] button to select the radio band. Each time you press the [RTN] button, the radio reception band is changed in the following order : FM1 ▶ FM2 ▶ FM3 ▶ AM1 ▶ AM2 ▶ FM1 …
- Press the [MENU] button to display the stored PRESET lists.
- Press the [|◀◀] or [▶▶|] button to seek up or down. If you continue to pressthe [|◀◀]button, manual tuning will be done in the direction of lower frequencies. If you continue to press the [▶▶|] button, manual tuning will be done in the direction of higher frequencies.
- Frequency map

BAND	RECEIVING BAND(Hz)	STEP SEEK(KHz)	STEP MANU(KHz)	IF (Hz)
FM 1,2,3 AM 1,2	87.9 ~ 107.9 M 530 ~ 1710 K	200 10	200 10	10.7 M 450 K

Auto Store

- The Auto Store is a function for storing up to 6 stations which are automatically tuned in sequentially. If 6 receivable stations cannot be received, a previously stored station remains at the memory position.
- Press and hold the [MENU] button for more than 2 seconds. A beep sounds and the stations with good reception are stored automatically to the PRESET channels.

Memorizing the PRESET

- By selecting PRESET number, preferred PRESET memories stations between 1 ~ 6 can be selected.
- To memorize the frequency, choose the desirable PRESET number and press the [ENT] button for more than 2 seconds.

DVD Video Player Operations

1. Size of the Screen

To change the screen size, press the [OPT] button during the VIDEO playback. Then select the "SCREEN" item on the DVD option screen.
"FULL" "NORMAL" "CINEMA" values are displayed on the screen.

Normal Mode

Select the "NORMAL" value to change the screen size. There are black Zones at the right and left ends of the display.
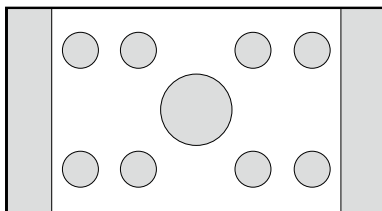
Cinema Mode

Select the "CINEMA" value to change the screen size. The top and bottom areas of the screen are cut off.
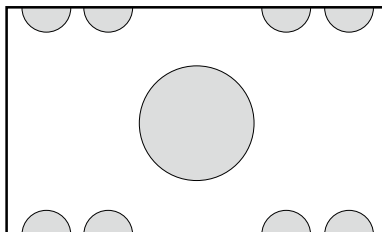
Full Wide Mode

Select the "FULL" value to change the screen size. The whole image will become elongated horizontally.

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2. Parental Level

You can change the level of parental lock. This function allows cutting scenes that are unfavorable for children or replacing them automatically with other scenes prepared in advance. For example, by replacing scenes of radical violence or portrayals of sex with safe scenes, you can make a trouble-free story as if it were so from the beginning.

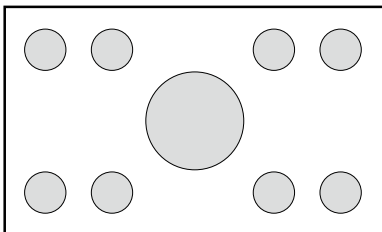| LEVEL8	Adult
LEVEL7	No Children,17 or older
LEVEL6	Under 17 Requires Accompanying Parent or Adult Guardian
LEVEL5	PG - R
LEVEL4	Parents Strongly Cautioned
LEVEL3	Parental Guidance Suggested
LEVEL2	G
LEVEL1	Kid Safe

※ The standard differs by countries.
※ Initial password is '0000'. Before you change the level of parental lock, you have to set a new password except '0000'.

3. Disc Loading

Insert a disc into the center of the insertion slot with the label side facing up. The disc plays automatically after loading. Never insert foreign objects into the disc insert slot. If the disc can not be easily inserted, there may be another disc in the mechanism or the unit may require service. 8cm (single play) discs cannot be used.

⚠ WARNING

Some videos can be played at higher volume levels if desired. Turn up a little at a time after playing the video. For safety, drivers can not watch the video or use the remote control while they are driving. Watching and controlling the video is illegal in some countries, so your caution is needed.

■ After inserting the disc, the playback starts automatically. When playback is not started, press the [▶|||] button.
■ If you press the [⏏] button, the disc will be ejected from the disc set.
■ If you do not pull out the disc within 10 seconds after pressing the button, the disc will go inside automatically. (Auto reloads) Discs can be damaged if you insert it by exerting force before auto reloading.

4. Setting the DVD Video

The playing mode is revitalized automatically after the disc loading. The settings on the DVD SETUP menu can be set only with the remote control unit. To enter into the DVD SETUP menu, press the [SETUP] button on the remote control unit.

Operation

- Press the [▶/||] button to play/pause the playback.
  - → Press the [▶/||] button to resume the playback when in resume stop mode.
  - → Press and hold the [▶/||] button for more than one second to resume stop.
  - → Press and hold the [▶/||] button for more than one second in resume stop mode to stop the DVD.

- Continue pressing the [▶▶|] button to fast forward, the [|◀◀] button to rewind.
- To operate items of the DVD menu, press the [MENU] button.
  Use the [|◀◀][▶▶|][▲][▼][ENT] buttons according to the disc contents menu.
- If you want to change the title, press the [SEARCH MODE] button on remote control unit to display the search mode. Then, choose the desirable title number by using the [0] - [9] button and press the [ENTER] button.
- Press the [OPT] button to use the following three functions.
  CHAPTER REPEAT : Chapter repeat playback
  TITLE REPEAT : Title repeat playback.
  TITLE RANDOM : Title random playback.

Chapter Skipping

- Pressing the [▶▶|] button starts playback from the beginning of the next chapter.
- Pressing the [|◀◀] button starts playback from the beginning of the current chapter. When the button is pressed again within approximately 2 seconds, playback starts from the beginning of the previous chapter.

- With some discs furnished with PBC function, when PBC is set to "ON", this operation will cause the menu screen to be displayed.

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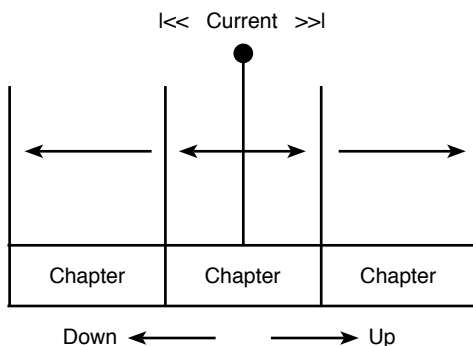
5. CD Playback

The play mode is automatically engaged after the disc loading. When playback is not started, press the [▶|||] button.

- Press the [▶|||] button to pause or resume the playback. Keep pressing the [▶|||] button more than 2 seconds to stop during the playback.

- Press the [▶▶|] button to start playback from the beginning of the next track. Pressing the [|◀◀] button starts playback from the beginning of the current track. When this button is pressed again within approximately 2seconds, playback starts from the beginning of the previous track.

- Press the [OPT] button to use three functions. To cancel the playback, select the relevant item of the function again.
  TRACK REPEAT : Track repeat playback. This operation plays back the selected track recorded on the disc repeatedly.
  DISC REPEAT : Disc repeat playback. This operation plays back all tracks recorded on the disc repeatedly.
  DISC RANDOM : Disc random playback. This operation plays back all tracks on the disc in no particular order.

6. MP3 / WMA Playback

MP3 is the AUDIO compressed appliance and is classified by the AUDIO LAYER 3 MPEG standards. The compressed appliance can be easily used by PC users and also used broadly as a compressed standard. This MP3 makes possible to compress the original audio data to 1/10 of the initial size and provide high quality sound. This means approximately 10 music CDs can be recorded on a CD-R disc and provide longer periods of music without having to change the CD through CD-RW. This DVD Player does not support discs recorded by CD-RW. Some CDs recorded in CD-R mode may not be supported.

Cautions for Making MP3 Disc

① File extension

Always keep the 'MP3' file to have 'MP3' or 'mp3' by using single byte characters. If you do not specify the extension like this or use another extension, you may not be able to play the disc. If users mix capital letters and lower-case letters, normal operation may not be supported.

② Logical format(File system)

Select "ISO9660 level 1 or level 2" as the software format used in the MP3 file for the CD-R disc. Normal operation may not be supported if recorded in other formats. The name of the folder and file can be displayed in the title while MP3 is playing; however, the title is displayed by the single alphabet bytes and numbers of 31 and 27 to the name of the folder and file. The name may be represented incorrectly if you input more letters and numbers than specified.

③ Folder structure

A disc with more than 8 level folders will conflict with the ISO9660 standard and playing will not be supported.

④ The number of the file or folder

A total of 3000 files and a total of 255 directories are allowed. If the numbers of files and directories are greater than this number, then such files will not be played. Track is played in accordance to the order as recorded by the user.

Operation

- Press the [▶/| |] button to pause or resume the playback.
- Keep pressing the [▶/| |] button for more than one second to stop during the playback.
- Press the [|◀◀] or [▶▶|] button to skip the track.
- Keep pressing the [▶▶|] button to fast forward, the [|◀◀] button to rewind.
- Press the [ENT] button to display information (artist, genre, composer, etc) of the selected file.
- Press the [OPT] button to use functions during MP3 playback. To cancel play, re-select the relevant item.

TRACK REPEAT : Track repeat playback.
TRACK SCAN : Track scan playback.
TRACK RANDOM : Track random playback.
FOLDER REPEAT : Folder repeat playback.
FOLDER SCAN : Folder scan playback.
FOLDER RANDOM : Folder random playback.

iPod Operations

This unit can be used to control a connected Apple iPod(iPod Mini, fourth generation, iPod nano, iPod with video). An iPod player with versions higher than those specified may not be supported. This unit will not operate or may operate improperly with unsupported versions. First, second and third generation iPod cannot be used. When using an iPod, connect the iPod to the AUX-IN and USB cable. Depending on the iPod device, iPod main screen displays can be different from others. The remote control unit cannot be used to perform scan, repeat or random play. This unit can display the Podcast titles, Artist names, Album titles, Song titles, Genre names, Playlist titles, Composer names registered on the iPod. Whether these functions are available or not depends on the version of the iPod device. The iPod is used with the equalizer function turned OFF. Don't connect an iPod to the unit if headsets are connected to the iPod.

Operation

- Press the [▶/| |] button to pause or resume the playback.
- Keep pressing the [▶/| |] button for more than 2 seconds to stop during the playback.
- Press the [|◀◀] or [▶▶|] button to skip the track.
- Press the [MENU] button show the list like PODCASTS, PLAYLIST, ARTISTS, ALBUMS, GENRES, SONGS, COMPOSERS, MUSIC, PHOTOS, VIDEOS, EXTRAS etc. Lists are available from the iPod menu screen.
- Press the [▲] [▼] button to scroll menu lists.

Option

- Press the [OPT] button to use functions.
- Each time you press the first item, You can switch between AUDIO mode and VIDEO mode.

If you want to play the audio mode, select the "AUDIO" value.
If you want to play the video mode, select the "VIDEO" value.

- The [REPEAT] item uses to switch the repeat mode, in the order:

→ REPEAT ALL → REPEAT ONE → REPEAT OFF.

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- The [SHUFFLE] item uses to switch the shuffle ON/OFF mode.
  When enabled, this function performs playback in random order, regardless of the order in which they are recorded.

Video Mode
- You can view video data stored in the iPod. However, you cannot control and navigate an iPod device in video mode with a CLARION device. Only the iPod device can be used to make controls. To enjoy the video data, please operate in the following order:

① Change the "AUDIO" value to "VIDEO". This value works in toggle on the iPod option screen. You can switch to VIDEO mode.

② Play back your desired video data from the iPod.

③ VIDEO screen is activated.

- Each time you select the second item "AUX SENS MIDDLE",
  You can switch among (AUX SENS LOW, AUX SENS MIDDLE, AUX SENS HIGH) to change the AUX audio volume.

  AUX SENS LOW : Low volume.
  AUX SENS MIDDLE : Middle volume.
  AUX SENS HIGH : High volume.

- When selecting the third item "SCREEN" , the screen that is changing over monitor display size is displayed. You can choose among (FULL SCREEN, NORMAL SCREEN, CINEMA SCREEN) to change the display size.
- To return to the iPod menu screen, change the "VIDEO" value to "AUDIO" on the iPod option screen.

※ To connect the iPod unit, a dedicated cable must be purchased separately.

USB Operations

USB is an acronym for Universal Serial Bus, and refers to an external bus standard supporting data transfer rates of 12 Mbps. This unit is compatible with USB 1.1/2.0 with maximum data transfer rates of 12 Mbps. USB memory devices that can be played by connecting to the unit's USB cable are limited to those recognized as "USB mass storage class devices"; operation is not guaranteed with all USB memory devices. Devices compatible with "USB Mass Storage Class" can be used merely by connecting to the host device, without need for special drivers or application software. Consult the manufacturer of your USB memory device for information regarding whether it is supported by "USB Mass Storage Class" standards. Audio files supported by this unit are limited to MP3/WMA/AAC files. This unit is not compatible with a USB Card-Reader (SD). Track numbers can be displayed from 001 to 999 on the USB mode screen.

Operation
- Press the [◄] or [►] button to display the track list of the previous or next folder.
- Press the [►|||] button to pause or resume the playback.
- Keep pressing the [►|||] button for more than 2 seconds to stop during the playback.
- Press the [|◄◄] or [►►|] button to skip the track.
- Keep pressing the [►►|] button to play at fast forward, the [|◄◄] button to play at fast backward.

■ Press the [OPT] button to use the detail function.
  TRACK REPEAT : Track repeat playback.
  TRACK SCAN : Track scan playback.
  TRACK RANDOM : Track random playback.
  FOLDER REPEAT : Folder repeat playback.
  FOLDER SCAN : Folder scan playback.
  FOLDER RANDOM : Folder random playback.

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8. TROUBLESHOOTING

General

PROBLEM	CAUSE	SOLUTION
No Power(no sound)	Disconnected fuse	Change to a new fuse. If the fuse goes out again, please consult withyour place of purchase.
	Wrong Connection	
No button activation Wrong Display	Wrong operation due to the interference from microprocessor	Press the reset button for about 2 seconds with a thin rod. NOTE:When the reset button is pressed, freguencies of the radio station, clock, etc, stored within memory will be cleared.
Remote Controller is not working	Receiver is in the direct rays of the sun	Remote controller is not working if the receiver is in the direct sun rays.
	Out of battery power	Check the batteries.

DVD Player

| PROBLEM	CAUSE	SOLUTION
Unable to insert the disc	Another disc is already in the unit	Eject the disc from the unit
	Foreign materials are in the disc insertion slot	Clean the disc insertion slot
Noise sound and sound skipping	Dirty CD	Clean the CD with a soft fabrics
	CD is damaged (scratched and damaged)	Do not use damaged CD
Decreased sound quality after POWER ON	Moisture can effect the performance when parked in a humid area	Dry the unit for an hour with the power turned on
No video display	Parking brake is released	Check the parking brake.

iPod Connection

When trying to play the iPod with this unit, iPod operation may not work. In such a case, please reset the iPod. Please confirm the method of resetting the iPod within the manual for the iPod device.Because the noise occurs on the unit, do not connect the AUDIO-VISUAL device to AUX-IN after connecting the iPod that is using power from the vehicle via the cigarette jack. Please use the AUX-IN and the USB cable. When an iPod is connected to the unit, some iPod may not properly charge. In such a case, turn off the power on the unit. Use an iPod which has been charged.

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Noise

Noise may occasionally occur if a portable AUDIO-VISUAL device has been connected to the monitor in a state where you are connected to the vehicle power supply for charging, etc. In such a case, please us a portable AUDIO-VISUAL device without connecting to the power supply on the vehicle. Only use the device through its internal battery.

9. SPECIFICATIONS

FM TUNER	Frequency range	87.9MHz to 107.9MHz
	Quieting sensitivity	20dBf
	Limiting sensitivity	15dBf
	Stereo separation	20dB (1kHz)
	Frequency response	100Hz to 7kHz

AM TUNER	Frequency range	530kHz to 1710kHz
	Usable sensitivity	40dBuV

DVD PLAYER	System	Digital versatile disc system with CDDA capable
	Usable discs	DVD video disc, Compact disc
	Frequency response	17Hz to 20kHz(CD)(+3/-3dB)
	Separation	60dB
	Distortion	0.5%

MP3 / WMA	Sampling rate	MPEG1 44.1kHz/48kHz/32kHz
		MPEG2 22.05kHz/24kHz/16kHz
	Bit rate	MPEG1 32kbps to 320kbps
		MPEG2 8kbps to 160kbps
		(VBR)
	Logical Format	ISO9660 level1, 2
		JOLIET or Romeo

AUDIO AMPLIFIER	Maximum power output	50W x 4ch
	Speaker impedance	4 ohm (4 to 8 ohm)

LCD MONITOR	Screen size	3.5inch wide type
	Display method	Transmission type TN QVGA TFT LCD
	Drive method	TFT(thin-film transistor)
		active matrix driving
	Pixels	336,960 (1440 x 234)

GENERAL	Power source voltage	14.4V DC
		(10.8 to 15.6V allowable)
	Ground	Negative
	Current consumption	4.0A(1W)
	Auto antenna rated current	500mA less
	Dimension of the Main Unit	7.0"(W) x 1.9"(H) x 6.2"(D)
	Weight of the Main Unit	1.8kg
	Dimension of the Remote Control Unit	2.0"(W) x 0.8"(H) x 6.4"(D)
	Weight of the Remote control Unit	90g (including battery)

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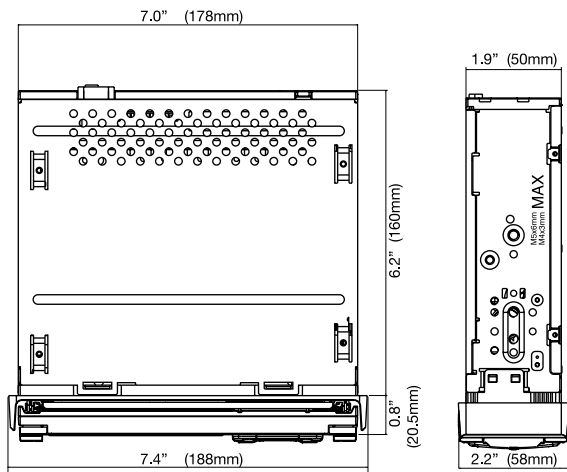
unit : inch (mm)

※ Specifications and designs are subject to change without notice for further improvement.

Power Output : 18W RMS x 4 Channels at 4Ω and 1% THD+N
**Signal to noise Ratio : 74dBA (reference : 1W into 4Ω)**

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10. INSTALLATION AND WIRE CONNECTION

Cautions on Installation

1. Before Starting

This set is exclusively for use in cars with a negative ground 12 V power supply. Read these instructions carefully. Be sure to disconnect the battery "⊖" terminal before starting. This is to prevent short circuits during installation.

Car battery
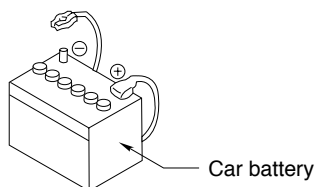
### 2. Package Contents

PART		QTY
① Main unit		1
② Manuals	Owner's manual & Installation manual	1
	Warranty card	1
③ Power supply lead (For the main unit)		1
④ RCA lead		1
⑤ Bag for accessories of the main unit (No. 1)	Flat head screw (M5´ 8)	4
	Sems hexagonal bolt (M5´ 8)	5
	Electro tap	1
	Machine screw (M4´ 3)	4
⑥ Bag for accessories of the main unit (No. 2)	Hook plate	2
	Cord clamp	1
	Reset Pin	1
⑦ Universal mounting bracket		1
⑧ Remote control unit		1
⑨ Battery (for remote control unit)		2
⑩ DCP case		1

3. General Cautions

① Do not open the case. There are no user serviceable parts inside. If you drop anything into the unit during installation, consult your dealer or an authorized CLARION service center.

② Use a soft, dry cloth to clean the case. Never use a rough cloth, thinner, benzine, or alcohol, etc. For tough dirt, apply a little cold or warm water to a soft cloth and wipe off the dirt gently.

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4. Cautions on Installation

① Prepare all articles necessary for installing the main unit before starting.

② Install the unit within 30° of the horizontal plane.

Max. 30˚
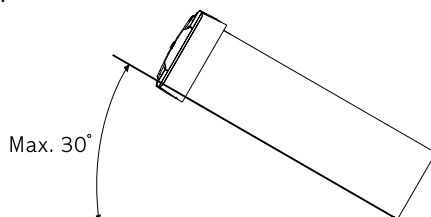
③ If you have to do any work on the car body, such as drilling holes, consult your car dealer beforehand.

④ Use the enclosed screws for installation. Using other screws can cause damage.

Chassis   Chassis

Damage

Max. 8mm (M5 screw)
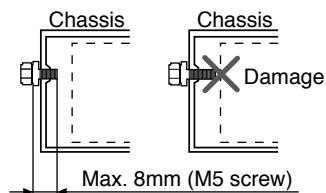
⑤ The source unit has mounting screw holes for NISSAN (N marks) and TOYOTA (T marks) vehicles.

T   N   T

N   T   N

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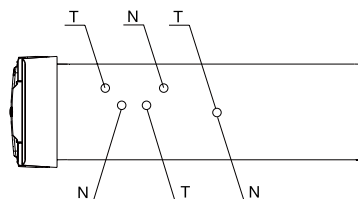
Main Unit Installation (Universal Mount)

① Place the universal mounting bracket into the instrument panel, use a screwdriver to bend each stopper of the universal mounting bracket inward, then secure the stopper.

② Wire as shown in Section "Electrical Connection".

③ Insert the main unit into the universal mounting bracket until it locks.

・ Console opening dimensions

7.2" (183mm)

Hole

2.0"
53mm

Rear lastening hole (of vehicle)

Instrument Panel

Stopper

Hole

Screw Drover

Unviersal Mounting Bracket
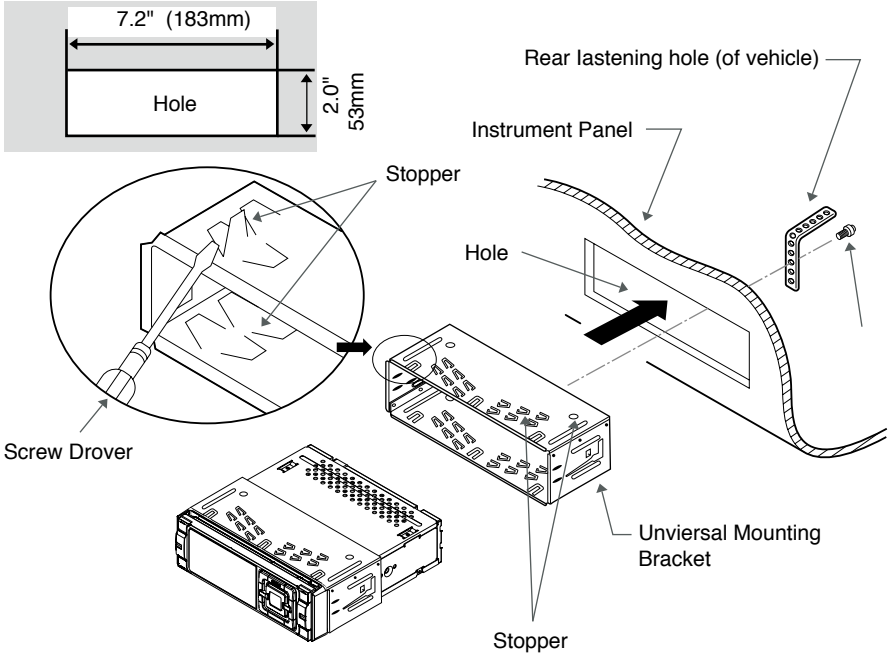
Stopper

※ Some car models require special mounting kits for proper installation. Consult your Clarion dealer for details.

※ Fasten the front stopper securely to prevent the main unit from coming loose.

Removing The Main Unit

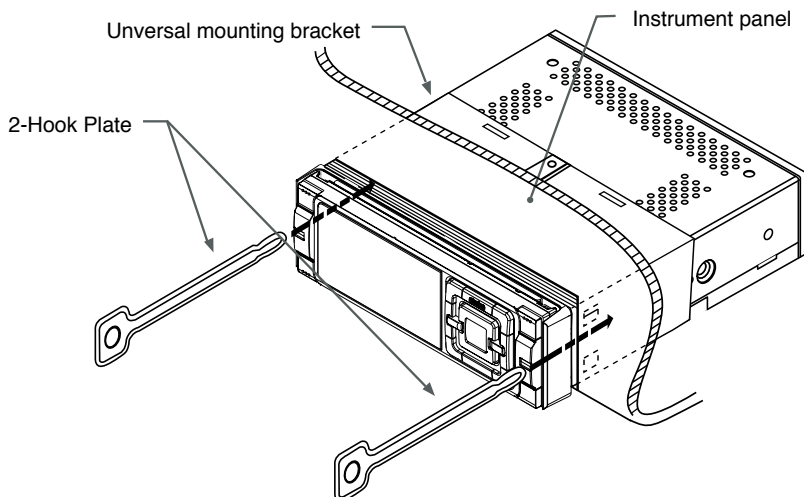① When the rear of the main unit has been secured through the method as shown in the following figure, unfasten the special screw.

② Insert the hook plate into the universal mounting bracket, then pull the main unit out by the hook plate. (Insert both the right and left edges of the hook plate.)

Unversal mounting bracket

Instrument panel

2-Hook Plate

※ Keep the hook plate. You cannot remove the main unit without disengaging the hook plate.

Cautions On Wiring

Be sure to turn the power off before wiring. Be particularly careful where you route the wires.
Keep them well away from the engine, and exhaust pipe, etc. Heat may damage the wires.
If the fuse should blow, check to see if the wiring is correct. If it is, replace the fuse with a new one with the same amperage rating as the original. To replace the fuse, remove the old fuse of the power supply lead and insert the new One.

※ There are various types of fuse holder. Do not let the battery side touch other metal parts.

※ After the connection, fix the lead by a clamp or insulation tape for protection.

Fuse

Fuse holder

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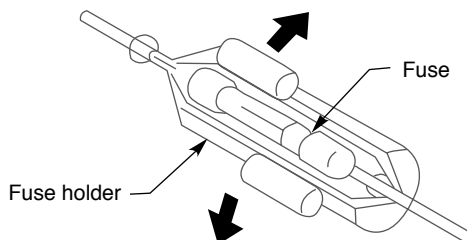
Electrical Connection

1. Wire Connection

Refer to the next pages

Grey	Red	Right	Front Audio Output
	White	Left	
Black	Red	Right	Rear Audio Output
	White	Left	
Blue	Red	Right	Subwoofer Output
	White	Left	
Green	Yellow	Video	2Zone Output
	Red	Right	
	White	Left	
Red	Yellow	Video	Visual Input
	White	Audio(L)	
	Red	Audio(R)	
Black	Yellow	Visual-in(for camera)	
Black	Black	OEM Remote	
	Brown	Tel Mute	
Grey	Grey	iPod	

6 Ch Amp

Rear Side Monitor

Wireless Head phone

VTR

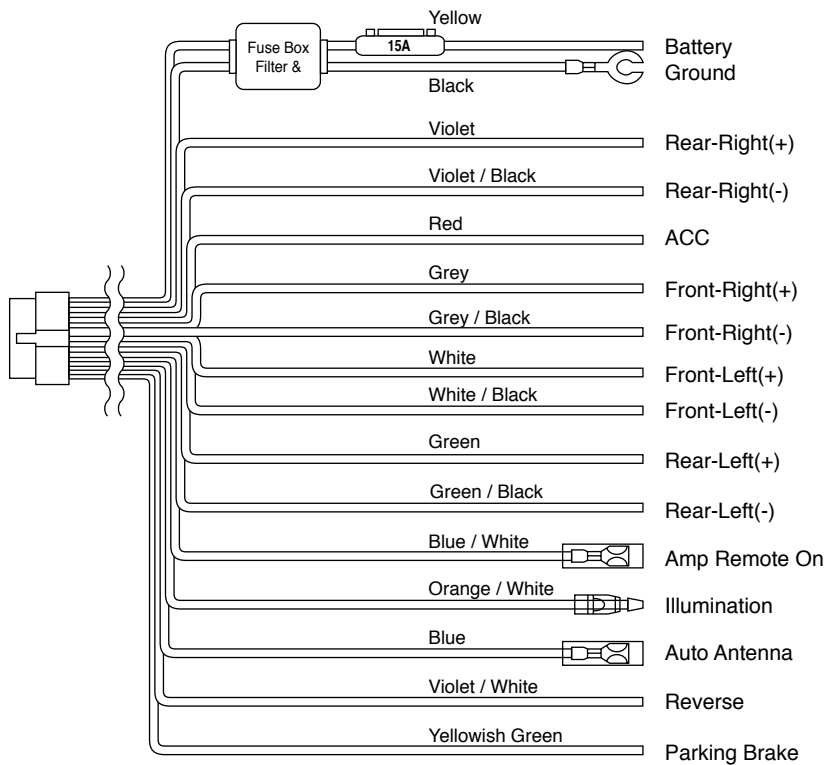Black — Antenna

Black Black — USB Cable
Black

※ Disconnect the Negative(-) power cable from the battery before installation.

※ The RCA pins and connector cables are sold separately.

※ To activate "Auto Mute-On when receiving phone call", connect right wire to the dedicated connector in the vehicle.

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2. Power Supply Lead

Yellow

15A

Battery

Black

Ground

Violet — Rear-Right(+)

Violet / Black — Rear-Right(-)

Red — ACC

Grey — Front-Right(+)

Grey / Black — Front-Right(-)

White — Front-Left(+)

White / Black — Front-Left(-)

Green — Rear-Left(+)

Green / Black — Rear-Left(-)

Blue / White — Amp Remote On

Orange / White — Illumination

Blue — Auto Antenna

Violet / White — Reverse

Yellowish Green — Parking Brake

Fuse Box Filter &

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3. Connecting the Parking Brake Lead

Connect the lead to parking brake lamp earth in the meter panel. Connecting the parking brake lead to lamp earth allows you to watch VTR/DVD video when the parking brake is engaged. When the parking brake lead is not connected, the monitor will stay off.

Parking brake lamp

(+)Lead to battery

Connect these three leads

(-)Cord parking brake signal lead

Parking brake lead (Bright green)

Parking brake
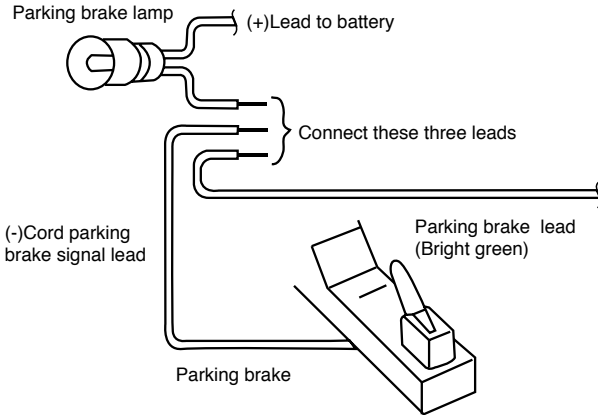
4. Connecting the Accessories
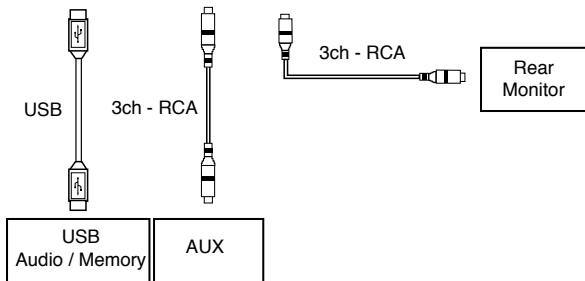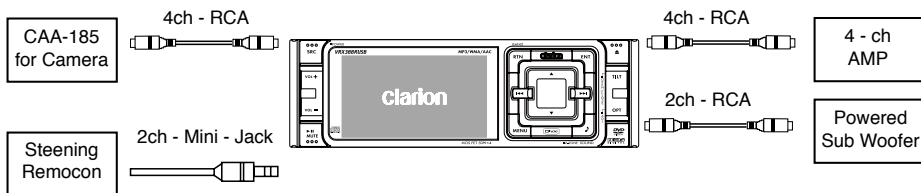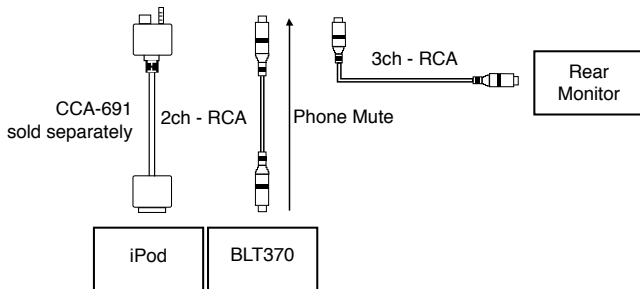
① **Connection to the external amplifier**
The external amplifier can be connected unless the MCP (Multiple Channel Processor) is connected. For detailed information, refer to the instruction manual of the MCP.

② **Connection to the CCD camera for vehicle**
The CCD camera for vehicle can be connected to the system expansion terminal on the main unit. For detailed information, refer to the instruction sheet or manual for the CCD camera.

③ **If the specified lead of the cellular phone is connected to the phone mute lead of the source unit, the audio mute is available when the cellular telephone is used.**

5. Sample System
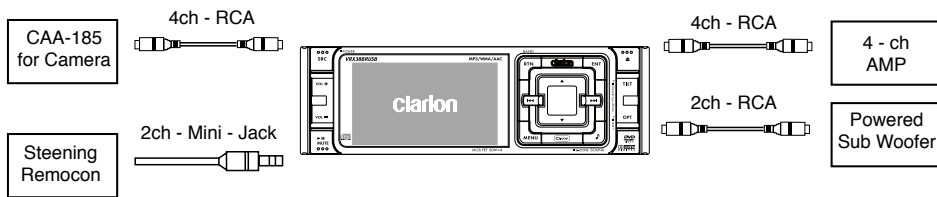
CAA-185 for Camera	4ch - RCA	
Steening Remocon	2ch - Mini - Jack	

4ch - RCA — **4 - ch AMP**

2ch - RCA — **Powered Sub Woofer**

CCA-691 sold separately

2ch - RCA

Phone Mute

3ch - RCA — **Rear Monitor**

iPod | **BLT370**

CAA-185 for Camera	4ch - RCA	
Steening Remocon	2ch - Mini - Jack	

4ch - RCA — **4 - ch AMP**

2ch - RCA — **Powered Sub Woofer**

USB

3ch - RCA

3ch - RCA — **Rear Monitor**

USB Audio / Memory | **AUX**

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2008/01 (Y-YI)

QC-6826B-A

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