

FOR CAR USE ONLY/NUR FÜR AUTOMOBIL GEBRAUCH/POUR APPLICATION AUTOMOBILE UNIQUEMENT/  
PARA USO EN AUTOMÓVILES/SOLO PER L'UTILIZZO IN AUTOMOBILE/ENDAST FÖR BILBRUK

# ALPINE®

## FM/MW/LW/RDS DVD Player

# DVA-9860R

**MP3**



- **OWNER'S MANUAL**  
Please read before using this equipment.
- **BEDIENUNGSANLEITUNG**  
Lesen Sie diese Bedienungsanleitung bitte vor Gebrauch des Gerätes.
- **MODE D'EMPLOI**  
Veuillez lire avant d'utiliser cet appareil.
- **MANUAL DE OPERACIÓN**  
Léalo antes de utilizar este equipo.
- **ISTRUZIONI PER L'USO**  
Si prega di leggere prima di utilizzare l'attrezzatura.
- **ANVÄNDARHANDLEDNING**  
Innan du använder utrustningen bör du läsa igenom denna användarhandledning.

**ALPINE ELECTRONICS MARKETING, INC.**  
1-1-8 Nishi Gotanda,  
Shinagawa-ku,  
Tokyo 141-0031, Japan  
Phone 03-5496-8231

**ALPINE ELECTRONICS OF AMERICA, INC.**  
19145 Gramercy Place, Torrance,  
California 90501, U.S.A.  
Phone 1-800-ALPINE-1 (1-800-257-4631)

**ALPINE ELECTRONICS OF CANADA, INC.**  
777 Supertest Road, Toronto,  
Ontario M3J 2M9, Canada  
Phone 1-800-ALPINE-1 (1-800-257-4631)

**ALPINE ELECTRONICS OF AUSTRALIA PTY. LTD.**  
161-165 Princes Highway, Hallam  
Victoria 3803, Australia  
Phone 03-8787-1200

**ALPINE ELECTRONICS GmbH**  
Frankfurter Ring 117,  
80807 München, Germany  
Phone 089-32 42 640

**ALPINE ELECTRONICS OF U.K. LTD.**  
Alpine House  
Fletchamstead Highway, Coventry CV4 9TW, U.K.  
Phone 0870-33 33 763

**ALPINE ELECTRONICS FRANCE S.A.R.L.**  
(RCS PONTOISE B 338 101 280)  
98, Rue de la Belle Etoile, Z.I. Paris Nord II,  
B.P. 50016, 95945 Roissy Charles de Gaulle  
Cedex, France  
Phone 01-48638989

**ALPINE ITALIA S.p.A.**  
Viale C. Colombo 8, 20090 Trezzano  
Sul Naviglio (MI), Italy  
Phone 02-484781

**ALPINE ELECTRONICS DE ESPAÑA, S.A.**  
Portal de Gamarra 36, Pabellón, 32  
01013 Vitoria (Alava)-APDO 133, Spain  
Phone 945-283588

EN

DE

FR

ES

IT

SE

# Contents

## Operating Instructions



### WARNING

|  |          |
|--|----------|
| <b>WARNING</b> .....                     | <b>3</b> |
| <b>CAUTION</b> .....                     | <b>3</b> |
| <b>PRECAUTIONS</b> .....                 | <b>3</b> |
| <b>Discs playable on this unit</b> ..... | <b>5</b> |

### Getting Started

|   |   |
|---|---|
| Turning Power On and Off .....                | 7 |
| Detaching and Attaching the Front Panel ..... | 7 |
| Initial System Start-Up .....                 | 7 |
| Adjusting Volume .....                        | 7 |

### Radio

|   |   |
|---|---|
| Listening to Radio .....                  | 8 |
| Manual Storing of Station Presets .....   | 8 |
| Automatic Memory of Station Presets ..... | 8 |
| Tuning to Preset Stations .....           | 8 |

### RDS

|   |    |
|---|----|
| Setting RDS Reception Mode and Receiving      |    |
| RDS Stations .....                            | 9  |
| Recalling Preset RDS Stations .....           | 9  |
| Receiving RDS Regional (Local) Stations ..... | 9  |
| PI SEEK Setting .....                         | 9  |
| Receiving Traffic Information .....           | 9  |
| PTY (Programme Type) Tuning .....             | 10 |
| Receiving Traffic Information While Playing   |    |
| CD or Radio .....                             | 10 |
| Priority News .....                           | 10 |
| Displaying Radio Text .....                   | 10 |

### CD/MP3/WMA

|                              |    |
|------------------------------|----|
| Playback .....               | 11 |
| Repeat Play .....            | 11 |
| M.I.X. (Random Play) .....   | 12 |
| Scanning Programmes .....    | 12 |
| Searching from CD Text ..... | 12 |
| File/Folder Name Search      |    |
| (concerning MP3/WMA) .....   | 12 |

|                     |    |
|---------------------|----|
| Quick Search .....  | 13 |
| About MP3/WMA ..... | 13 |

### DVD/Video CD

|   |    |
|---|----|
| Playing DVD/Video CD .....                        | 15 |
| Stopping Playback (PRE-STOP) .....                | 15 |
| Stopping Playback .....                           | 16 |
| Fast-forwarding/Fast-reversing .....              | 16 |
| Finding the Beginning of Chapters or Tracks ...   | 16 |
| Playing Still Frames (pausing) .....              | 16 |
| Foward/reverse frame-by-frame Playback .....      | 16 |
| Slow Motion Playback .....                        | 16 |
| Searching by Title Number (DVD only) .....        | 16 |
| Searching Directly by Chapter or Track Number ... | 17 |
| Quick Search .....                                | 17 |
| Chapter/Track/Title Repeat Playback .....         | 17 |
| Switching the Audio Tracks .....                  | 17 |
| Switching the Angle (DVD only) .....              | 18 |
| Switching the Subtitles (subtitle language)       |    |
| (DVD only) .....                                  | 18 |
| Displaying the Disc Status (DVD only) .....       | 18 |
| Displaying the Disc Status (Video CD only) ....   | 18 |

### Sound Setting

|   |    |
|---|----|
| Adjusting Bass/Treble/Balance (Between Left |    |
| and Right)/Fader (Between Front and Rear)/  |    |
| Defeat .....                                | 19 |
| Setting the Bass Control .....              | 19 |
| Setting the Treble Control .....            | 20 |
| Turning Loudness On/Off .....               | 20 |

### Other Functions

|                                 |    |
|---------------------------------|----|
| Displaying the Title/Text ..... | 21 |
| Titling Discs .....             | 22 |
| Erasing Disc Title .....        | 22 |
| Setting the Wallpaper .....     | 22 |

### SETUP

#### Sound Customizing

|                                      |    |
|--------------------------------------|----|
| Adjusting Source Signal Levels ..... | 23 |
| Subwoofer On and Off .....           | 23 |
| Setting the Subwoofer System .....   | 23 |

|  |    |
|--|----|
| <b>Visual Customizing</b>                              |    |
| Changing Lighting Colour .....                         | 23 |
| Dimmer Control .....                                   | 23 |
| Scroll Type Setting .....                              | 23 |
| Scroll Setting .....                                   | 23 |
| Demonstration .....                                    | 23 |
| <b>External Device</b>                                 |    |
| Connecting an MP3 Changer .....                        | 24 |
| Turning Mute Mode On/Off .....                         | 24 |
| Setting the AUX Mode (V-Link) .....                    | 24 |
| Connecting to an External Amplifier .....              | 24 |
| Setting the Digital Output .....                       | 24 |
| Setting the Digital Audio Processor .....              | 24 |
| <b>DVD Setup</b>                                       |    |
| DVD Setup Operation .....                              | 25 |
| Setting the language .....                             | 25 |
| Setting the TV Screen .....                            | 26 |
| Setting the Country Code .....                         | 26 |
| Setting the Rating Level (Parental Lock) ....          | 26 |
| Setting the Digital Output .....                       | 27 |
| <b>Custom Setup</b>                                    |    |
| Custom Setup Operation .....                           | 28 |
| Setting the CD Play Mode .....                         | 28 |
| Setting the Video CD Play Mode .....                   | 28 |
| Setting the Pause Mode .....                           | 28 |
| Setting the Downmix Mode .....                         | 28 |
| <b>External Audio Processor (Optional)</b>             |    |
| Adjustment Procedure for Dolby Surround ....           | 29 |
| Setting the Speakers .....                             | 30 |
| Set MX Mode of the External Audio Processor .....      | 30 |
| X-OVER Adjustment .....                                | 30 |
| Performing Time Correction Manually (TCR)/             |    |
| Phase Switching .....                                  | 31 |
| Calculating the Time Correction .....                  | 31 |
| Inputting the Time Correction .....                    | 31 |
| Switching the Phase .....                              | 32 |
| Graphic Equalizer Adjustments .....                    | 32 |
| Parametric Equalizer Adjustments .....                 | 33 |
| Setting Bass Compressor .....                          | 34 |
| Setting Bass Focus .....                               | 34 |
| Speaker Setup .....                                    | 34 |
| Setting of Dolby Digital .....                         | 35 |
| Adjusting the speaker levels .....                     | 35 |
| Mixing bass sound to the rear channel .....            | 35 |
| Adjusting the acoustic image .....                     | 35 |
| Achieving powerful high volume sound .....             | 36 |
| Adjusting the DVD Level .....                          | 36 |
| Using the Pro Logic II Mode .....                      | 36 |
| Linear PCM Setting .....                               | 37 |
| Storing Settings in the Memory .....                   | 37 |
| Getting out the Preset Memory .....                    | 37 |
| Remote Control Operation .....                         | 38 |
| <b>iPod™ (Optional)</b>                                |    |
| Playback .....   | 39 |
| Searching for a desired Song .....                     | 39 |
| Searching by Playlist .....                            | 39 |
| Searching by artist name .....                         | 39 |
| Searching by album name .....                          | 40 |
| Quick Search .....                                     | 40 |
| Random Play Shuffle (M.I.X.) .....                     | 40 |
| Repeat Play .....                                      | 41 |
| Displaying the Text .....                              | 41 |
| <b>Changer (Optional)</b>                              |    |
| Controlling CD Changer (Optional) .....                | 42 |
| Playing MP3 Files with the CD Changer (Optional) ..... | 42 |
| Multi-Changer Selection (Optional) .....               | 42 |
| <b>Remote Control</b>                                  |    |
| Controls on Remote Control .....                       | 43 |
| When Using the Remote Control .....                    | 44 |
| Battery Replacement .....                              | 44 |
| <b>Information</b>                                     |    |
| About DVDs .....                                       | 45 |
| Terminology .....                                      | 46 |
| List of Language Codes .....                           | 47 |
| List of Country Codes .....                            | 48 |
| In Case of Difficulty .....                            | 50 |
| Specifications .....                                   | 53 |
| <hr/>  |    |
| <b>Installation and Connections</b>                    |    |
| Warning .....  | 54 |
| Caution .....  | 54 |
| Precautions .....                                      | 54 |
| Installation .....                                     | 55 |
| Connections .....                                      | 57 |
| System Example .....                                   | 59 |

---

---

# Operating Instructions

## WARNING

### WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

---

#### **DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.**

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

---

#### **KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISE WHILE DRIVING.**

Failure to do so may result in an accident.

---

#### **DO NOT DISASSEMBLE OR ALTER.**

Doing so may result in an accident, fire or electric shock.

---

#### **USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.**

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

---

#### **KEEP SMALL OBJECTS SUCH AS BATTERY OUT OF THE REACH OF CHILDREN.**

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

---

#### **USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.**

Failure to do so may result in fire or electric shock.

---

#### **DO NOT BLOCK VENTS OR RADIATOR PANELS.**

Doing so may cause heat to build up inside and may result in fire.

---

#### **USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.**

Use for other than its designed application may result in fire, electric shock or other injury.

---

#### **DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.**

Doing so may result in personal injury or damage to the product.

### CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

---

#### **HALT USE IMMEDIATELY IF A PROBLEM APPEARS.**

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Centre for repairing.

---

#### **DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY.**

When inserting the batteries, be sure to observe proper polarity (+ and -) as instructed. Rupture or chemical leakage from the battery may cause fire or personal injury.

---

### PRECAUTIONS

---

#### **Product Cleaning**

Use a soft dry cloth for periodic cleaning of the product. For more severe stains, please dampen the cloth with water only. Anything else has the chance of dissolving the paint or damaging the plastic.

---

#### **Temperature**

Be sure the temperature inside the vehicle is between +60°C (+140°F) and -10°C (+14°F) before turning your unit on.

---

#### **Moisture Condensation**

You may notice the CD playback sound wavering due to condensation. If this happens, remove the disc from the player and wait about an hour for the moisture to evaporate.

---

#### **Damaged Disc**

Do not attempt to play cracked, warped, or damaged discs. Playing a bad disc could severely damage the playback mechanism.

---

#### **Maintenance**

If you have problems, do not attempt to repair the unit yourself. Return it to your Alpine dealer or the nearest Alpine Service Station for servicing.

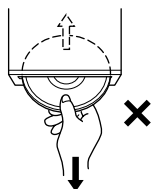
*Continued*

---

## Never Attempt the Following

Do not grip or pull out the disc while it is being pulled back into the player by the automatic reloading mechanism.

Do not attempt to insert a disc into the unit when the unit power is off.



---

## Inserting Discs

Your player accepts only one disc at a time for playback. Do not attempt to load more than one disc.

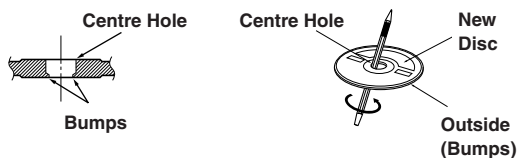
Make sure the label side is facing up when you insert the disc. Your player will automatically eject any disc that is inserted incorrectly. If the player continues to eject a correctly inserted disc, push the RESET switch with a pointed object such as a ballpoint pen.

Playing a disc while driving on a very bumpy road may result in skips, but this will not scratch the disc or damage the player.

---

## New Discs

As a protective measure to prevent the CD from jamming, the CD player will automatically eject discs with irregular surfaces or inserted incorrectly. When a new disc is inserted into the player and ejected after initial loading, using your finger, feel around the inside of the centre hole and outside edge of the disc. If you feel any small bumps or irregularities, this could inhibit proper loading of the disc. To remove the bumps, rub the inside edge of the hole and outside edge of the disc with a ballpoint pen or other such instrument, then insert the disc again.



---

## Irregular Shaped Discs

Be sure to use round shape discs only for this unit and never use any special shape discs.

Use of special shape discs may cause damage to the mechanism.



---

## Installation Location

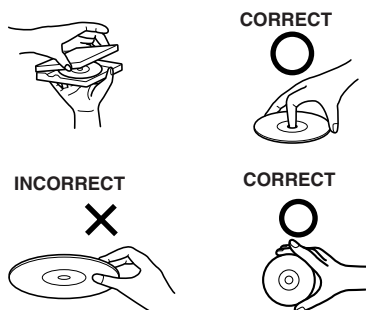
Make sure the DVA-9860R will not be installed in a location subjected to:

- Direct sun and heat
- High humidity and water
- Excessive dust
- Excessive vibrations

---

## Correct Handling

Do not drop the disc while handling. Hold the disc so you will not leave fingerprints on the surface. Do not affix tape, paper, or gummed labels to the disc. Do not write on the disc.



---

## Disc Cleaning

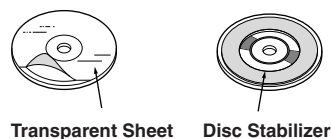
Fingerprints, dust, or soil on the surface of the disc could cause the CD player to skip. For routine cleaning, wipe the playing surface with a clean, soft cloth from the centre of the disc to the outer edge. If the surface is heavily soiled, dampen a clean, soft cloth in a solution of mild neutral detergent before cleaning the disc.



---

## Disc Accessories

There are various accessories available on the market for protecting the disc surface and improving sound quality. However, most of them will influence the thickness and/or diameter of the disc. Using such accessories can cause the disc to be out of standard specifications and may create operational problems. We recommend not using these accessories on discs played in Alpine CD players.



# Discs playable on this unit

## Playable Discs

The discs listed below can be played on this unit.

|           | Mark (logo)  | Recorded content                | Disc size        | Max. playing time                     |
|-----------|--|---------------------------------|------------------|---------------------------------------|
| DVD Video |   | Audio + Video (Moving pictures) | 12 cm*           | One-sided disc<br>Approx. 4 hours     |
|           |  |                                 |                  | Two-sided disc<br>Approx. 8 hours     |
|           |  |                                 | 8 cm             | One-sided disc<br>Approx. 80 Minutes  |
|           |  |                                 |                  | Two-sided disc<br>Approx. 160 Minutes |
| Video CD  | <br>  | Audio + Video (Moving pictures) | 12 cm            | Approx. 74 Minutes                    |
|           |  |                                 | 8 cm             | Approx. 20 Minutes                    |
| Music CD  | <br> | Audio                           | 12 cm            | Approx. 74 Minutes                    |
|           |  |                                 | 8 cm (CD single) | Approx. 20 Minutes                    |

\* Two-layer DVD disc compatible

## Discs that cannot be played

DVD-ROMs, DVD-RAMs, DVD + Rs, DVD + RWs, CD-ROMs (excluding MP3/WMA files), photo CDs, etc.

## DVD region number (playable region number)

This DVD player will play back any disc whose region number is 2 (or All). DVDs with a region number other than those listed below, cannot be played on this DVD player.



## Video CDs

This DVD head unit is compatible with playback control (PBC) compatible video CDs (version 2.0). "PBC" is a function by which you can use menu screens recorded on the disc to find the scene you want to watch and view various types of information in dialogue style.

## Using compact discs (CD/CD-R/CD-RW)

If you use unspecified compact discs, correct performance cannot be guaranteed.

You can play CD-Rs (CD-Recordable)/CD-RWs (CD-ReWritable) which have been recorded only on audio devices. You can also play CD-Rs/CD-RWs containing MP3/WMA formatted audio files.

- Some of the following discs may not play on this unit:
  - Flawed discs, discs with fingerprints, discs exposed to extreme temperatures or sunlight (e.g., left in the car or this unit), discs recorded under unstable conditions, discs on which a recording failed or a re-recording was attempted, copy-protected CDs which do not conform to the audio CD industry standard.
- Use discs with MP3/WMA files written in a format compliant with ISO9660 level 1 or level 2. For details, see pages 13 and 14.

To customers using CD-R/CD-RW

- If a CD-R/CD-RW cannot be played back, make sure the last recording session was closed (finalized).
- Finalize the CD-R/CD-RW if necessary, and attempt playback again.

## Tips for making your own CDs

The DVA-9860R plays DVD Video, Video CD, Audio CD and has a built in MP3/WMA decoder.

The following information is designed to help you create your own music CDs (either Audio CD or MP3/WMA encoded CD-R/RW files).

## What is the difference between an Audio and MP3/WMA CD?

An Audio CD is the same format as the commercial CDs you buy in the store (also known as CD-DA). MP3 (MPEG-1 Audio Layer 3)/WMA (Windows Media Audio) is a data file that uses a compression scheme to reduce the size of the music file.\*

## Hybrid Audio CD and Data (MP3/WMA) CD-R/RW discs:

The DVA-9860R can read either sector on the disc. Choose CD-DA to play the CD audio section or MP3/WMA to play the MP3/WMA section.\*

*Continued*

### Multisession CD-R/RW:

Once a recording has been stopped, this is considered one session. If the disc is not closed (finalized), additional data may be added. Once this additional data has been recorded, this becomes a "multisession" CD. The DVA-9860R can only read multisession DATA Formatted discs (MP3/WMA files - Not Audio CD files).

### Properly formatted MP3/WMA Discs:

Use ISO9660 formatting to insure proper playback. You may use standard ISO naming Level 1 (8.3 DOS standard), Level 2 (32 characters) or Joliet (Windows or Macintosh long filenames) file naming conventions\*.

\*Please consult the Owner's manual for additional information.

#### On handling compact discs (CD/CD-R/CD-RW)

- Do not touch the surface.
- Do not expose the disc to direct sunlight.
- Do not affix stickers or labels.
- Clean the disc when it is dusty.
- Make sure that the disc is smooth and flat.
- Do not use commercially available disc accessories.

#### Do not leave the disc in the car or the unit for a long time. Never expose the disc to direct sunlight.

Heat and humidity may damage the disc and you may not be able to play it again.

### Using DVD-Rs/DVD-RWs

- This unit is compatible only with discs recorded in the DVD-Video mode. Discs recorded in the DVD-VR mode cannot be played back.
- Note that discs not finalized (processed to enable to play on playback-only DVD players) cannot be played on this DVD player.
- Some discs may not play back, depending on the recording device. (This unit has a copy protection function. Discs copied illegally will not be played back. Some files recorded by a software using an improper recording system may be recognized as illegally copied.)
- In the following cases, the disc may not play on this unit: discs recorded by certain DVD recorders, certain irregular discs, flawed discs, dirty discs, when the pickup lens of this DVD player is dirty, or when moisture condensation has occurred inside the unit.
- Be sure to follow all cautions included with your DVD-Rs/DVD-RWs discs.
- Do not put stickers, seals, or tape on the label side of DVD-Rs/DVD-RWs.
- Compared to the regular discs, DVD-Rs/DVD-RWs are more affected by heat, moisture, and direct sunlight. If left in a car, etc., damage may occur and it might not play on this unit.

---

### Disc terminology

#### Title

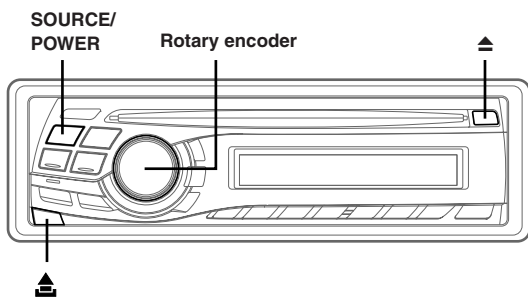
If titles are programmed for the DVD, these are the largest units of division of the information recorded on the disc.

#### Chapter

Each Title may also be divided into smaller divisions, called chapters. These can be specific scenes or musical selections.


- *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.*
- *"DTS" and "DTS2.0 + Digital Out" are trademarks of Digital Theater Systems, inc.*
- *Windows Media and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.*
- *Apple and the Apple logo are trademarks of Apple Computer, Inc., registered in the U.S. and other countries. iPod and iPod mini are trademarks of Apple Computer, Inc.*

# Getting Started



## Turning Power On and Off

Press **SOURCE/POWER** to turn on the unit.


- The unit can be turned on by pressing any other button except eject .

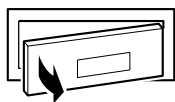
Press and hold **SOURCE/POWER** for at least 2 seconds to turn off the unit.

- The first time power is turned on, the volume will start from level 12.

## Detaching and Attaching the Front Panel

### Detaching

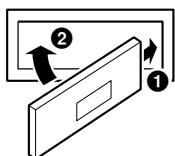
- 1 Turn off the unit power.
- 2 Press  (Release) at the lower left side until the front panel pops out.
- 3 Grasp the left side of the front panel and pull it out.



- The front panel may become hot in normal usage (especially the connector terminals on the back of the front panel.) This is not a malfunction.
- To protect the front panel, place it in the supplied carrying case.

### Attaching

- 1 Insert the right side of the front panel into the main unit. Align the groove on the front panel with the projections on the main unit.
- 2 Push the left side of the front panel until it locks firmly into the main unit.

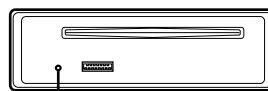


- Before attaching the front panel, make sure that there is no dirt or dust on the connector terminals and no foreign object between the front panel and the main unit.
- Attach the front panel carefully, holding the sides of the front panel to avoid pushing buttons by mistake.

## Initial System Start-Up

Be sure to press the RESET switch when using the unit for the first time, after changing the car battery, etc.

- 1 Turn off the unit power.
- 2 Remove the detachable front panel.
- 3 Press **RESET** with a ballpoint pen or similar pointed object.



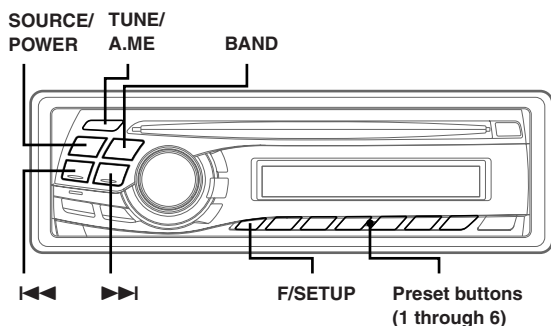
RESET switch

## Adjusting Volume

Turn the **Rotary encoder** until the desired sound is obtained.



# Radio



## Listening to Radio

**1** Press **SOURCE/POWER** until a radio frequency appears in the display.

**2** Press **BAND** repeatedly until the desired radio band is displayed.

F1 (FM1) → F2 (FM2) → F3 (FM3) → MW → LW → F1 (FM1)

**3** Press **TUNE/A.ME** to select the tuning mode.

DX SEEK (Distance mode) → SEEK (Local mode) → OFF (Manual mode) → DX SEEK

• The initial mode is Distance mode.

### Distance mode:

Both strong and weak stations will be automatically tuned in (Automatic Seek Tuning).

### Local mode:

Only strong stations will be automatically tuned in (Automatic Seek Tuning).

### Manual mode:

The frequency is manually tuned in steps (Manual tuning).

**4** Press **◀◀** or **▶▶** to tune in the desired station.

Holding down **◀◀** or **▶▶** will change the frequency continuously.

• The *ST* indicator appears on the display when a stereo FM station is tuned in.

## Manual Storing of Station Presets

**1** Select the radio band and tune in a desired radio station you wish to store in the preset memory.

**2** Press and hold, for at least 2 seconds, any one of the **preset buttons (1 through 6)** into which you wish to store the station.

The selected station is stored.

The display shows the band, preset no. and station frequency memorized.

• A total of 30 stations can be stored in the preset memory (6 stations for each band; FM1, FM2, FM3, MW and LW).

• If you store a station in a preset memory which already has a station, the current station will be cleared and replaced with the new station.

• If the "F" indicator is illuminated, turn off the indicator by pressing **F/SETUP**, then you can perform the operation.

## Automatic Memory of Station Presets

**1** Press **BAND** repeatedly until the desired radio band is displayed.

**2** Press and hold **TUNE/A.ME** for at least 2 seconds.

The frequency on the display continues to change while the automatic memory is in progress. The tuner will automatically seek and store 6 strong stations in the selected band. They will be stored into buttons 1 to 6 in order of signal strength.

When the automatic memory has been completed, the tuner goes to the station stored in preset location no. 1.

• If no stations are stored, the tuner will return to the original station you were listening to before the auto memory procedure began.

## Tuning to Preset Stations

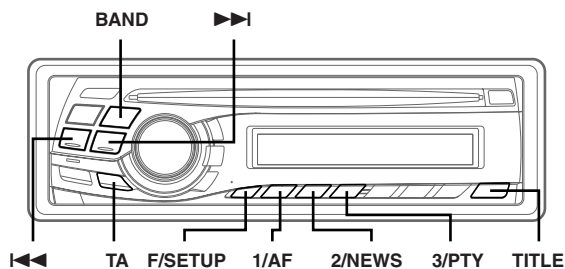
**1** Press **BAND** repeatedly until the desired band is displayed.

**2** Press any one of the station preset buttons (**1 through 6**) that has your desired radio station in memory.

The display shows the band, preset number and frequency of the station selected.

• If the "F" indicator is illuminated, turn off the indicator by pressing **F/SETUP**, then you can perform the operation.

# RDS



## Setting RDS Reception Mode and Receiving RDS Stations

The RDS (Radio Data System) is a radio information system using the 57 kHz subcarrier of regular FM broadcast. The RDS allows you to receive a variety of information such as traffic information, station names, and to automatically re-tune to a stronger transmitter that is broadcasting the same programme.

- 1 Press **F/SETUP** so that the “F” indicator lights up.
- 2 Press **1/AF** to activate the RDS mode.
- 3 Press **◀◀** or **▶▶** to tune in the desired RDS station.
- 4 Press **1/AF** again to deactivate the RDS mode.
- 5 Press **F/SETUP** to activate the normal mode. The “F” indicator goes out.

The RDS digital data includes the following:

|     |                                 |
|-----|---------------------------------|
| PI  | Programme Identification        |
| PS  | Programme Service Name          |
| AF  | List of Alternative Frequencies |
| TP  | Traffic Programme               |
| TA  | Traffic Announcement            |
| PTY | Programme Type                  |
| EON | Enhanced Other Networks         |

## Recalling Preset RDS Stations

- 1 Press **F/SETUP** so that the “F” indicator lights up.
- 2 Press **1/AF** to activate the RDS mode.
- 3 Press **F/SETUP** to activate the normal mode. The “F” indicator goes out.
- 4 Make sure that the “F” indicator light goes out, then press the preset button in which your desired RDS station is preset.

If the preset station's signal is weak, the unit automatically searches and tunes to a stronger station in the AF (Alternative Frequencies) list.

- 5 **If the preset station and the stations in the AF list cannot be received:**

When the PI SEEK setting is on (refer to “PI SEEK Setting” on this page), the unit searches again for a station in the PI (Programme Identification) list.

If there are still no stations receivable in the area, the unit displays the frequency of the preset station and the preset no. disappears.

If the signal level of the Regional (Local) station being tuned becomes too weak to receive, press the same preset button to tune in a Regional station in other district.

- For presetting the RDS stations, refer to the Radio Operation section. The RDS stations can be preset in the F1, F2 and F3 bands only.

## Receiving RDS Regional (Local) Stations

- 1 Press and hold **F/SETUP** for at least 2 seconds to activate the setting mode.
- 2 Press **◀◀** or **▶▶** to select the RDSREG mode.
- 3 Press **BAND** to turn on or off the RDSREG mode. In the RDSREG OFF mode, the unit automatically keeps receiving the related local RDSREG station.
- 4 Press **F/SETUP** to deactivate the setting mode.

## PI SEEK Setting

- 1 Press and hold **F/SETUP** for at least 2 seconds.
- 2 Press **◀◀** or **▶▶** to select the PI SEEK.
- 3 Press **BAND** to turn on or off the PI SEEK mode.
- 4 Press **F/SETUP** to deactivate the setting mode.

## Receiving Traffic Information

- 1 Press **TA** so that the “TA” indicator lights up.
- 2 Press **◀◀** or **▶▶** to select your desired traffic information station.

When a traffic information station is tuned in, the “TP” indicator lights up.

Traffic information is heard only when it is being broadcast. If traffic information is not being broadcast, the unit is set in the standby mode. When a traffic information broadcast begins, the unit automatically receives it and the display shows “TRF-INFO” for a few seconds and returns to the PS display.

When the traffic information broadcast is over, the unit will automatically set in the standby mode.

*Continued*

- If the traffic information broadcast signal falls below a certain level, the unit remains in the receiving mode for 1 minute. If the signal remains below a certain level for over 1 minute, the "TA" indicator blinks.
- If you do not want to listen to the traffic information being received, lightly press **TA** to skip that traffic information message. The TA mode will remain in the ON position to receive the next traffic information message.
- If the volume level is changed while receiving traffic information, the changed volume level will be memorized. When traffic information is received next time, the volume level will be automatically adjusted to the level memorized.
- In the TA mode, the SEEK tuning selects only the TP stations.

---

## PTY (Programme Type) Tuning

---

**1 Press F/SETUP** so that the "F" indicator lights up.

**2 Press 3/PTY** to activate the PTY mode, while the unit is in Radio (FM receiving) mode.

The Programme Type of the station being currently received will be displayed for 10 seconds.

If there is no receivable PTY broadcast, "NO PTY" will be displayed for 10 seconds.

If no RDS station can be received, the display shows "NO PTY."

- If no operation is performed within 10 seconds after pressing 3/PTY, the PTY mode will be automatically cancelled.

**3 Press ◀◀ and ▶▶ within 10 seconds after activating the PTY mode to choose the desired programme type while the PTY (programme type) is being displayed.**

Each press scrolls the programme type by one.

⌊ - - LIGHT M ↔ CLASSICS ↔ OTHER M - - ⌋  
┌-----┐

**4 Press 3/PTY within 10 seconds after selecting the programme type to start searching for a station in the selected programme type.**

The chosen programme type display blinks during searching and lights when a station is found.

If no PTY station is found, "NO PTY" will be displayed for 10 seconds.

**5 Press F/SETUP** to activate the normal mode. The "F" indicator goes out.

- Operate the unit while the "F" indicator lights up. If no operation is performed within 10 seconds, the "F" indicator goes out.

---

## Receiving Traffic Information While Playing CD or Radio

---

**1 Press TA** so that the "TA" indicator lights up.

**2 Press ◀◀ and ▶▶ to select a traffic information station if necessary.**

When a traffic information broadcast starts, the unit automatically mutes the CD player/changer or the regular FM broadcast.

When the traffic information broadcast finishes, the unit automatically returns to the original source play before the traffic information broadcast began.

### When traffic information stations cannot be received:

In the tuner mode:

When the TP signal can no longer be received for over 1 minute, the "TA" indicator blinks.

In the CD mode:

When the TP signal can no longer be received, the traffic information station of another frequency will be selected automatically.

- The receiver is equipped with the EON (Enhanced Other Networks) function in order to keep track of additional alternate frequencies to the AF list. The "EON" indicator lights up while an RDS EON station is being received. If the station being received does not broadcast the traffic information, the receiver automatically tunes in the related station that broadcasts the traffic information when it occurs.

**3 Press TA** to deactivate the Traffic Information mode.

The "TA" indicator goes out.

---

## Priority News

---

This function allows you to preset to give priority to the News programme. You will never miss the News programme as the unit automatically gives priority to the News programme whenever it begins broadcasting, and interrupts the programme you are currently listening. This feature is functional when your unit is set to a mode other than the LW and MW modes.

**1 Press F/SETUP** so that the "F" indicator lights up while the unit is in Radio (FM receiving) mode.

**2 Press 2/NEWS** to activate the PRIORITY NEWS mode.

The "NEWS" indicator appears in the display.

To disable the PRIORITY NEWS function, press 2/NEWS.

- In the PRIORITY NEWS function, unlike in the TA function, the volume does not increase automatically.

**3 Press F/SETUP** to activate the normal mode, while the unit is in Radio (FM receiving) mode.

The "F" indicator light goes out.

---

## Displaying Radio Text

---

Text messages from a radio station can be displayed.

**Press TITLE** while receiving FM in the radio mode to select the Radio Text display.

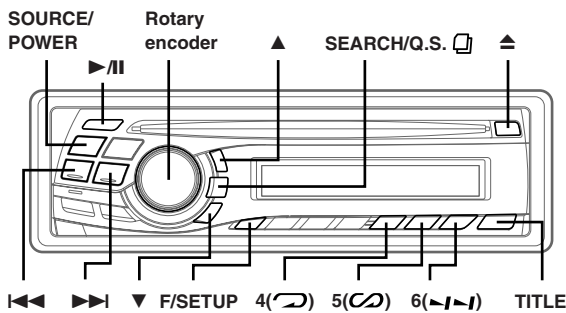
The display will change every time the button is pressed.

PS (Programme Service Name) → Radio Text → FREQUENCY  
→ PS (Programme Service Name)

The display shows "WAITING" for a few seconds, then starts scrolling the text message.

- If there is no receivable text message or the unit cannot receive a text message properly, the display shows "NO TEXT"

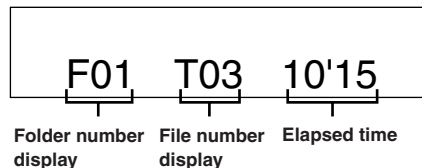
# CD/MP3/WMA



- If the HDA-5460 model is connected to the unit, some operations (for example changing the source, selecting the file by holding buttons up or down, etc.), can be carried out on this unit.
- The playback time may not be correctly displayed when a VBR (Variable Bit Rate) recorded file is played back.
- If ▲ is pressed during M.I.X. DISC playback, new file will be played back in a random sequence. If ▼ is pressed, the beginning of the current file will be played back.

## MP3/WMA Play Display

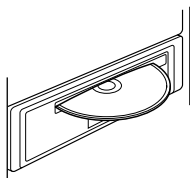
The folder number and file number will be displayed as described below.



- Press **TITLE** to switch the display. Please see "Displaying the Title/Text" (page 21) for information about display switching.

## Playback

- 1 Insert a disc with the label side facing up.**  
The disc will be pulled into the unit automatically.



When a disc is already inserted, press **SOURCE/POWER** to switch to the DISC mode.

The mode will change every time the button is pressed.

TUNER → DISC → CD CHANGER\* → TUNER

\* Only when the CD changer is connected

- 2 While playing back MP3/WMA, press ▲ or ▼ to select the desired folder.**

Pressing and holding ▲ or ▼ will change folders continuously.

- 3 Press ◀◀ or ▶▶ to select the desired track (file).**

**Returning to the beginning of the current track (file):**

Press ◀◀.

**Fast backward:**

Press and hold ◀◀.

**Advancing to the beginning of the next track (file):**

Press ▶▶.

**Fast forward:**

Press and hold ▶▶.

- 4 To pause playback, press ▶/II.**

Pressing ▶/II again will resume playback.

- 5 To eject the disc, press ▲.**

- Do not remove a CD during its eject cycle. Do not load more than one disc at a time. A malfunction may result from doing either.
- If the CD does not eject, press and hold ▲ for at least 2 seconds.
- The CD-player can play discs containing audio data, MP3 data and WMA data.
- A WMA format file that is protected by DRM (Digital Rights Management) cannot be played back on this unit.
- The track display for MP3/WMA data playback is the file numbers recorded on the disc.

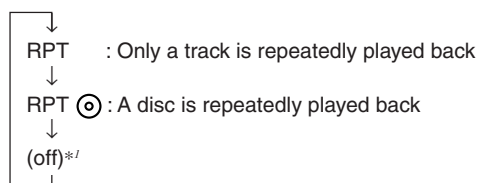
## Repeat Play

**Press 4 (↶) to play back repeatedly the track being played.**

The track (file) will be played repeatedly.

Press 4 (↶) again and select RPT (⊙) to deactivate repeat play.

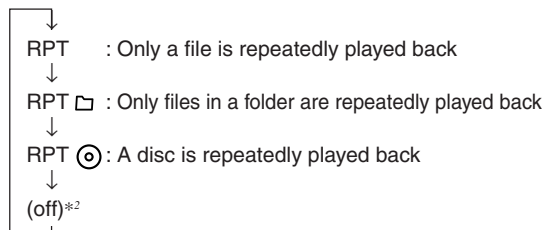
CD mode :



\*1 When a CD changer is connected

- If REPEAT is set to ON during M.I.X. (M.I.X. ONE) play in CD changer mode, M.I.X. will apply to the current disc only.

MP3/WMA mode :



\*2 When an MP3 compatible CD changer is connected

- If a 6-disc CD changer or an MP3 compatible CD changer is connected:  
In CD changer mode, press **F/SETUP** to illuminate the "F" indicator, and go to the step above within 10 seconds.
- If a 12-disc CD changer is connected:  
In CD changer mode, press **F/SETUP** twice to illuminate the "F" indicator, and go to the step above within 10 seconds.

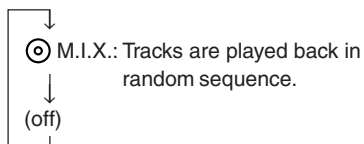
## M.I.X. (Random Play)

### Press 5 (🔀) in the play or pause mode.

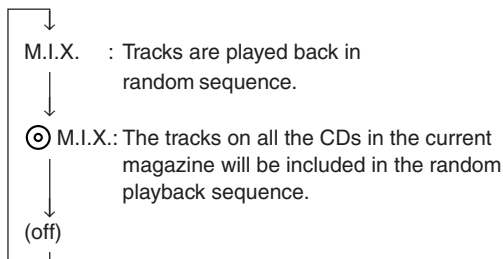
The tracks (files) on the disc will be played back in random sequence.

To cancel M.I.X. play, press 5 (🔀) again.

Internal CD mode :

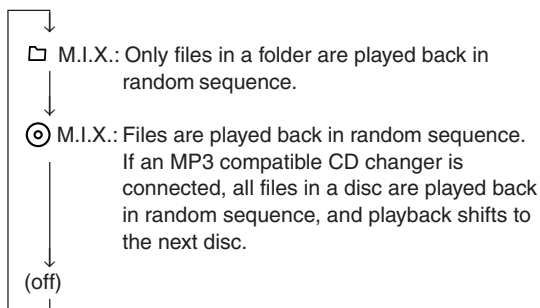


CD Changer mode :



- If M.I.X. is set to ON during RPT ⊙ (REPEAT ALL) play in CD changer mode, M.I.X. will apply to the current disc only.

MP3/WMA mode :



- If a 6-disc CD changer or an MP3 compatible CD changer is connected:  
In CD changer mode, press F/SETUP to illuminate the “F” indicator, and go to the step above within 10 seconds.
- If a 12-disc CD changer is connected:  
In CD changer mode, press F/SETUP twice to illuminate the “F” indicator, and go to the step above within 10 seconds.

## Scanning Programmes

### Press 6 (↶↷) to activate the Scan mode.

The first 10 seconds of each track (file) will be played back in succession.

To stop scanning, press 6 (↶↷) and deactivate the Scan mode.

- If a 6-disc CD changer or an MP3 compatible CD changer is connected:  
In CD changer mode, press F/SETUP to illuminate the “F” indicator, and go to the step above within 10 seconds.
- If a 12-disc CD changer is connected:  
In CD changer mode, press F/SETUP twice to illuminate the “F” indicator, and go to the step above within 10 seconds.

## Searching from CD Text

Tracks can be searched and played using the CD text on the disc. In the case of discs and changers that do not support text, searches can be made using the track numbers.

### 1 Press SEARCH/Q.S. [🔍] during play.

This will set the search mode.

### 2 Turn the Rotary encoder to select the desired track, then press the Rotary encoder.

This will play the selected track.

- Press and hold SEARCH/Q.S. [🔍] for at least 2 seconds in the search mode to cancel. Or, the search mode will be cancelled when an operation has not been performed in 10 seconds.
- CD text search cannot be made during M.I.X. play.

## File/Folder Name Search (concerning MP3/WMA)

You can display and search for the folder and file name while listening to the file currently being played back.

### Main Unit Operation

### 1 Press SEARCH/Q.S. [🔍] to select Folder Name Search mode or File Name Search mode in MP3/WMA mode.

#### Folder Name Search mode



### 2 Turn the Rotary encoder within 10 seconds to select the desired folder.

### 3 Press the Rotary encoder to play back the first file in the selected folder.



- Folder Name Search mode is cancelled by pressing and holding SEARCH/Q.S. [🔍] for at least 2 seconds.
- While in Folder Name Search mode, press SEARCH/Q.S. [🔍] to switch to File Name Search mode.
- “ROOT” is displayed for the root folder which does not have folder name.
- Folder Name search cannot be made during M.I.X. play.

## File Name Search mode

- 2 Press ▲ or ▼ to select another Folder.
- 3 Select the desired file by turning the **Rotary encoder** within 10 seconds.
- 4 Press the **Rotary encoder** to play back the selected file.



- File Name Search mode is cancelled by pressing and holding **SEARCH/Q.S.**  for at least 2 seconds.
- While in File Name Search mode, press **SEARCH/Q.S.**  to switch to Folder Name Search mode.
- File Name search cannot be made during M.I.X. play.

## Remote Control Operation

- 1 Press and hold **SEARCH/Q.S.**  for at least 2 seconds during playback.  
The Folder Name list is displayed.
- 2 Press ▲ or ▼ to select a folder name, then press **ENT.**  
The File Name list of the selected folder is displayed.
- 3 Press ▲ or ▼ to select a file name, then press **ENT.**  
The selected file is played back.
  - When there are 9 or more names on the list, a page number is displayed. Press ◀ or ▶ to change the page.
  - Press **RETURN** to deactivate the Search mode during the Folder Name Search mode.
  - While in File Name Search mode, press **RETURN** to switch to Folder Name Search mode.
  - While in Folder Name Search/File Name Search mode, press and hold **SEARCH/Q.S.**  for at least 2 seconds to cancel the Folder Name Search/File Name Search mode.

## Quick Search

You can search for tracks (files).

- 1 Press and hold **SEARCH/Q.S.**  for at least 2 seconds in the CD/Changer/MP3/WMA mode to activate Quick Search mode.
- 2 Turn the **Rotary encoder** within 10 seconds to select a desired track (file).  
The selected track is played back immediately.
  - Quick Search mode is cancelled by pressing and holding **SEARCH/Q.S.**  for at least 2 seconds.

## About MP3/WMA

### CAUTION

Except for private use, duplicating audio data (including MP3/WMA data) or distributing, transferring, or copying it, whether for free or for a fee, without permission of the copyright holder is strictly prohibited by the Copyright Act and by international treaty.

### What is MP3?

MP3, whose official name is "MPEG-1 Audio Layer 3," is a compression standard prescribed by the ISO, the International Standardization Organization and MPEG which is a joint activity institution of the IEC.

MP3 files contain compressed audio data. MP3 encoding is capable of compressing audio data at extremely high ratios, reducing the size of music files to as much as one-tenth their original size. This is achieved while still maintaining near CD quality. The MP3 format realizes such high compression ratios by eliminating the sounds that are either inaudible to the human ear or masked by other sounds.

### What is WMA?

WMA, or "Windows Media™ Audio," is compressed audio data. WMA is similar to MP3 audio data and can achieve CD quality sound with small file sizes.

### Method for creating MP3/WMA files

Audio data is compressed by using MP3/WMA specified software. For details on creating MP3/WMA files, refer to the user's manual for that software.  
MP3/WMA files that can be played back by this device have the file extension "mp3" / "wma". Files with no extension cannot be played back. (WMA ver. 7.1 and 8 are supported)

### Supported playback sampling rates and bit rates

MP3  
Sampling rates: 32 kHz - 48 kHz  
Bit rates: 32 - 320 kbps

WMA  
Sampling rates: 32 kHz - 48 kHz  
Bit rates: 32 - 320 kbps

Note that for sampling rates, this device's frame display (Page 21) may not display correctly.

This device may not play back correctly depending on sampling rates.

### ID3 tags/WMA tags

If tag data is in an MP3/WMA file, this device can display the title (track title), artist name, and album name ID3 tag/WMA tag data.

This device can only display single-byte alphanumeric characters and the underscore. For non-supported characters, "NO SUPPORT" is displayed.

The number of characters may be limited, or not correctly displayed, depending on the tag information.

### Producing MP3/WMA discs

MP3/WMA files are prepared, then written to a CD-R or CD-RW using CD-R writing software. A disc can hold up to 1024 files/256 folders (including Root Folders).

*Continued*

### Media supported

The media that this device can play back are CD-ROMs, CD-Rs, and CD-RWs.

### Corresponding File Systems

This device supports discs formatted with ISO9660 Level 1 or Level 2.

Under the ISO9660 standard, there are some restrictions to remember.

The maximum nested folder depth is 8 (including the root directory). The number of characters for a folder/file name is limited.

Valid characters for folder/file names are letters A-Z (all caps), numbers 0-9, and '\_' (underscore).

This device also can play back discs in Joliet, Romeo, etc., and other standards that conform to ISO9660. However, sometimes the file names, folder names, etc., are not displayed correctly.

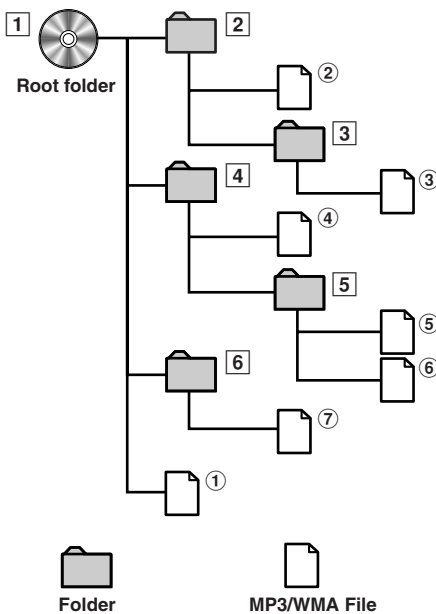
### Formats supported

This device supports CD-ROM, CD-ROM XA, Mixed Mode CD, Enhanced CD (CD-Extra) and Multi-Session.

This device cannot correctly play back discs recorded with Track At Once or packet writing.

### Order of files

The unit plays the files in the order that the writing software writes them. Therefore, the playing order may not be the same as the order you input. The playback order of the folders and files is as follows. However, the folder and file playback order differs from the folder no. and file no. indicated on the display.



## Terminology

### Bit rate

This is the "sound" compression rate specified for encoding. The higher the bit rate, the higher the sound quality, but also the larger the files.

### Sampling rate

This value shows how many times per second the data is sampled (recorded). For example, music CDs use a sampling rate of 44.1 kHz, so the sound is sampled (recorded) 44,100 times per second. The higher the sampling rate, the higher the sound quality, but also the larger the volume of data.

### Encoding

Converting music CDs, WAVE (AIFF) files, and other sound files into the specified audio compression format.

### Tag

Song information such as track titles, artist names, album names, etc., written into MP3/WMA files.

MP3: ID3 tag

WMA: WMA tag

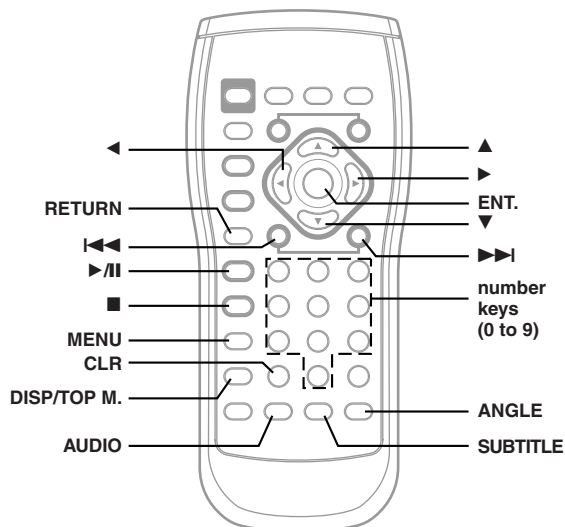
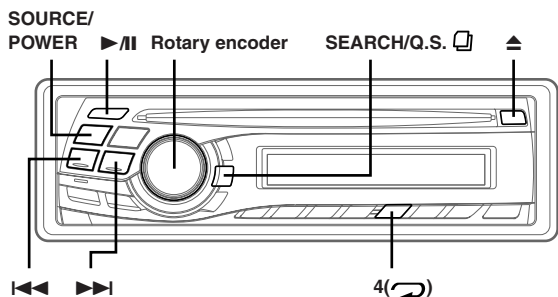
### Root folder

The root folder is found at the top of the file system. The root folder contains all folders and files.



# DVD/Video CD

In this section, both remote control and main unit operation are described.



- DVD and Video CD operation can be controlled from both the remote control and the main unit. In this section, both remote control and main unit operation are described.
- To view DVD and Video CD, the optional TV monitor is required.
- DVA-9860R automatically changes the video output signal (NTSC or PAL), according to the disc. To set NTSC or PAL on the connected monitor, refer to the Owner's Manual of the monitor.

## Playing DVD/Video CD

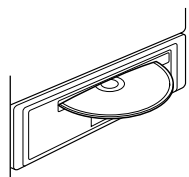
### Caution

- Not all functions will operate for every DVD. See the individual DVD's instructions for details on the features supported.
- Fingerprints on a disc may adversely affect playback. If a problem occurs, remove the disc and check for fingerprints on the playback side. Clean the disc if necessary.
- When using the remote control, be careful to press one button at a time. Pressing multiple buttons at the same time may cause erroneous operation.
- If you try to perform an invalid operation (based on the type of disc being played), the following mark is displayed on the monitor screen:

### Play Position Memory Function

Even if you turn power off or switch the Ignition Key to OFF during playback or change the source, playback will continue from the point where playback stopped when the power is turned ON again.

- 1 **Insert a disc with the label side facing up.**  
The disc will be pulled into the unit automatically.



When a disc is already inserted, press **SOURCE/POWER** on the main unit to switch to the DISC mode.

The mode will change every time the button is pressed.

TUNER → DISC → CD CHANGER\* → TUNER

\* Only when the CD changer is connected

- 2 **To eject the disc, press on the main unit.**

- Do not remove a disc during its eject cycle. Do not load more than one disc at a time. A malfunction may result from doing either.
- If the disc does not eject, press and hold for at least 2 seconds.
- The reverse side of a double-sided DVD will not be played automatically. Remove the disc, turn it over, and reinsert it.
- Never insert map discs for navigation purposes as they could damage the equipment.
- Refer also to "DVD Setup" (pages 25 to 27).

### If a menu screen appears

On DVDs and video CDs with playback control (PBC), menu screens may appear automatically. If this happens, perform the operation described below to start playback.

- This operation is controlled using the remote control unit.
- For many discs, the menu screen can also be displayed by pressing **MENU**.

### DVD menu

Press , , , or to select the desired item, then press **ENT.**

- For some discs it is possible to select items directly from the menu screen using the **number keys** ("0" to "9").

### Video CD menu

Use the **number keys** ("0" to "9") to select the desired number, then press **ENT.**

- The menu screen does not appear when the PBC function is turned off. In this case, set **VCD PLAY MODE** to turn on the PBC function. For details, refer to "Setting the Video CD Play Mode" (page 28).

## Stopping Playback (PRE-STOP)

Press during playback to stop playback. That position is stored in memory.

- 1 **During playback, press on the remote control unit.**  
"PRE-STOP" is displayed.

- 2 **Press in the PRE-STOP mode.**

Playback starts from the position at which it was stopped.

- For some discs, the position at which playback was stopped may not be accurate.



---

## Stopping Playback

---

**During playback, press ■ twice on the remote control unit.**

"STOP" is displayed, and playback stops.

- Playback stops also when ■ is pressed for more than 2 seconds.
- Playback starts from the beginning when ►/II is pressed while playback is stopped.

---

## Fast-forwarding/Fast-reversing

---

**1 During playback, press and hold I◀◀ (fast-reverse) or ►►I (fast-forward) .**

When pressed for more than 1 second, the disc is forwarded/reversed at double speed.

When held in 5 more seconds, the disc is forwarded/reversed at 8 times the normal speed.

**2 Release I◀◀ or ►►I to return to normal playback.**

- No sound is played during fast-forwarding/fast-reversing.
- Fast-forwarding/fast-reversing of only a track being played back can be made on the Video CD equipped with PBC (play back control).
- For DVDs and video CDs with playback control (PBC), the menu screen may reappear during fast-forwarding/fast-reversing.

---

## Finding the Beginning of Chapters or Tracks

---

**During playback, press I◀◀ or ►►I.**

The chapter/track switches each time the button is pressed, and playback of the selected chapter/track starts.

►►I: Press this to start playback from the beginning of the following chapter or track.

I◀◀: Press this to start playback from the beginning of the current chapter or track.

- Some DVDs do not have chapters.
- The beginning of a track may not be found on the Video CD equipped with PBC (playback control). Set VCD PLAY MODE to turn the PBC function off. Refer to "Setting the Video CD Play Mode" (page 28).

### Supplementary explanation

"Chapters" are divisions of movies or musical selections on DVDs.

"Tracks" are divisions of movies or musical selections on video and music CDs.

---

## Playing Still Frames (pausing)

---

**1 During playback, press ►/II.**

**2 Press ►/II to resume playback.**

- No sound is played during the still mode.
- The image or sound may stop temporarily when playback starts from the pause mode. This is not a malfunction.

---

## Forward/reverse frame-by-frame Playback

---

**1 In the pause mode, press I◀◀ or ►►I.**

The picture advances or reverses by one frame each time the button is pressed.

**2 Press ►/II to resume normal playback.**

- No sound is output during forward/reverse frame-by-frame playback.
- For video CD, reverse frame-by-frame playback is not available.

---

## Slow Motion Playback

---

**1 When I◀◀ or ►►I is pressed and held in while in the pause mode, the 1/8th speed slow motion playback mode is set.**

When held in for 5 more seconds, the slow motion speed switches to 1/2 the normal speed.

**2 Release I◀◀ or ►►I to pause, and press ►/II to playback.**

- No sound is played during slow motion playback.
- Slow playback is not available when playing back a slide show.
- 1/2 and 1/8 are approximate speeds. The actual speed differs from disc to disc.
- For video CD, reverse slow motion playback is not available.

---

## Searching by Title Number (DVD only)

---

Use this function to easily find positions on the DVD using the DVD's title.

- This operation is controlled using the remote control unit.

**1 When playback stops, input the number of the title you want to play using the number keys ("0" to "9").**

**2 Press ENT.**

Playback starts from the selected title number.

- This function cannot be used on discs on which no title numbers are recorded.
- Press CLR to delete the last digit in the title number. Press and hold CLR for at least 2 seconds to clear all title numbers.
- Press RETURN to cancel the title search mode and resume normal playback.
- The playback starts automatically for two digit title numbers even if ENT. in procedure 2 is not pressed.

## Searching Directly by Chapter or Track Number

Use this function to easily move to the beginning of the chapters or tracks on the disc.

- This operation is controlled using the remote control unit.

**1** During playback or pre-stop, input the chapter or track number you desire using the number keys (“0” to “9”).


**2** Press **ENT**.

Playback starts from the selected chapter or track.

- This function cannot be used on discs on which no chapter numbers are recorded.
- The beginning of a track number cannot be directly found on the Video CD equipped with PBC (playback control). Set VCD PLAY MODE to turn the PBC function off. Refer to “Setting the Video CD Play Mode” (page 28).
- Depending on the number of digits input, playback may start automatically even if **ENT** is not pressed in step 2.
- Press **CLR** to delete the last digit in the chapter/track number. Press and hold **CLR** for at least 2 seconds to clear “Chapter” and “Track” numbers.
- Press **RETURN** to cancel the chapter/track search mode and resume normal playback.


## Quick Search

You can search for chapters (tracks).

**1** Press and hold **SEARCH/Q.S.**  on the main unit for at least 2 seconds in the DVD/Video CD mode to activate Quick Search mode.


**2** Turn the **Rotary encoder** on the main unit within 10 seconds to select a desired chapter (track).

The selected track is played back immediately.

- Quick Search mode is cancelled by pressing and holding **SEARCH/Q.S.**  for at least 2 seconds.
- The quick search mode cannot be used on video CDs with playback control (PBC). Set VCD PLAY MODE to turn the PBC function off. Refer to “Setting the Video CD Play MODE” (page 28).

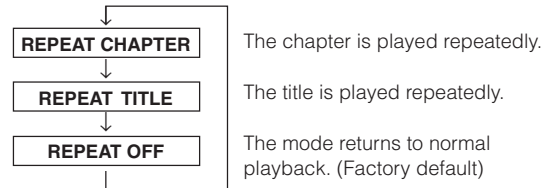
## Chapter/Track/Title Repeat Playback


Use this function to play the disc’s titles, chapters or tracks repeatedly.

During playback, press **4**  on the main unit.

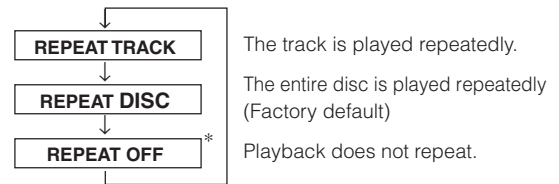
The repeat mode switches each time the button is pressed.

### DVD



- By pressing **4**  for more than 2 seconds, the unit will switch to REPEAT OFF.

### VIDEO CD



- \* Displayed only in the changer mode.

- The track/disc repeat modes cannot be used on video CDs with playback control (PBC). Set VCD PLAY MODE to turn the PBC function off. Refer to “Setting the Video CD Play Mode” (page 28).
- For some discs it is not possible to switch the repeat mode.

## Switching the Audio Tracks

DVDs can have up to 8 different audio tracks. These alternate tracks can be switched during playback.

- This operation is controlled using the remote control unit.

During playback, press **AUDIO**.

The sound switches between the alternate audio tracks recorded on the disc each time the button is pressed.

- The selected audio track becomes the default setting every time the power is turned on or the disc is replaced. If a disc does not include the language you selected for the default audio track, the disc’s default language is selected instead. Refer to “Setting the language” (page 25).
- Not all discs will allow changing the alternate audio tracks during playback. In these cases, select audio tracks from the DVDs menu.
- There may be a delay before the selected alternate track begins to play.

### Video CDs with multiplex audio

During playback, press **AUDIO**.

The left and right channels will be output as shown in the figure below, each time the button is pressed.

LR → LL → RR → LR

## Switching the Angle (DVD only)

On DVDs in which scenes have been filmed from multiple angles, the angle can be switched during playback.

- This operation is controlled using the remote control unit.

### During playback, press **ANGLE**.

The angle switches between the angles recorded on the disc each time the button is pressed.

- Some time may be required for the angle to change.
- Depending on the disc, the angle may switch in one of two ways.
  - Seamless: The angle switches smoothly.
  - Non-seamless: When the angle is switched, a still picture is displayed first, after which the angle switches.

## Switching the Subtitles (subtitle language) (DVD only)

With multiple subtitle language DVDs, the subtitle language can be switched during playback, or subtitles can be hidden.

- This operation is controlled using the remote control unit.

### During playback, press **SUBTITLE**.

The subtitle switches between the languages recorded on the disc and OFF each time the button is pressed.

- There may be a delay before the selected subtitle appears.
- Not all discs will allow changing the subtitles during playback. In these cases, select subtitles from the DVD's menu.
- The selected subtitle language becomes the default setting every time the power is turned on or the disc is replaced. If a disc does not include that language, the disc's default language is selected instead. Refer to "Setting the language" (page 25).
- For some discs, the subtitles will be displayed even when this is set to off.

#### Tips

##### Switching from the disc menu.

For some discs, the audio language, angle and subtitles can be switched from the disc menu.

- 1 Press **MENU**, select the item, then press **ENT**.
- 2 Press **▲**, **▼**, **◀** or **▶** to select the language or angle, then press **ENT**.  
(For some discs, they can be selected using the number keys "0" to "9" while the language or the angle menu is displayed.)

## Displaying the Disc Status (DVD only)

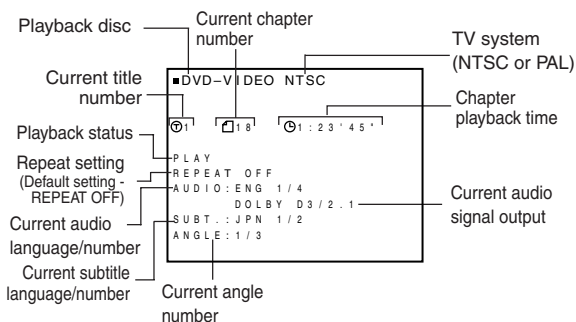
Use the procedure described below to display the status (title number, chapter number, etc.) of the currently playing DVD on the monitor screen.

- This operation is controlled using the remote control unit.

### During playback, press **DISP/TOP M**.

The playback status is displayed.

The playback status display closes when **DISP/TOP M** is pressed again.



## Displaying the Disc Status (Video CD only)

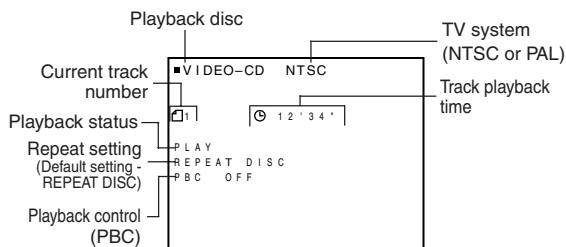
Use the procedure described below to obtain an on-screen display of the status (track number, etc.) of the currently playing video CD on the monitor screen.

- This operation is controlled using the remote control unit.

### During playback, press **DISP/TOP M**.

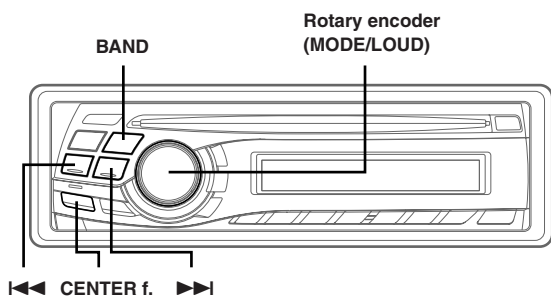
The playback status is displayed.

The playback status display closes when **DISP/TOP M** is pressed again.



- When **PBC** is set to **ON**, the current track number and track playback time is not displayed.

# Sound Setting



## Adjusting Bass/Treble/Balance (Between Left and Right)/Fader (Between Front and Rear)/Defeat

### 1 Press Rotary encoder (MODE/LOUD) repeatedly to choose the desired mode.

Each press changes the modes as follows:

BASS → TREBLE → SUBWOOFER\*<sup>1</sup> → BALANCE → FADER → DEFEAT → VOLUME → BASS

Bass Level: -7 ~ +10

Treble Level: -7 ~ +7

Subwoofer : 0 ~ +15

Balance : L15 ~ R15

Fader : R15 ~ F15

Defeat : ON/OFF

Volume : 0 ~ 35

- If the Rotary encoder (MODE/LOUD) is not pressed within 5 seconds after selecting the BASS, TREBLE, BALANCE, FADER, DEFEAT or SUBWOOFER mode, the unit automatically returns to normal mode.

\*<sup>1</sup> When the subwoofer mode is set to OFF, its level cannot be adjusted.

### 2 Turn the Rotary encoder until the desired sound is obtained in each mode.

By setting Defeat ON, previously adjusted settings of BASS and TREBLE will return to the factory defaults.

- Depending on the connected devices, some functions and display indications do not work.

## Setting the Bass Control

You can change the Bass Frequency emphasis to create your own tonal preference.

Press **CENTER f.** to select the **BASS (bass Center frequency) control mode.**

BASS → TREBLE → normal mode → BASS

## Setting the Bass Center Frequency

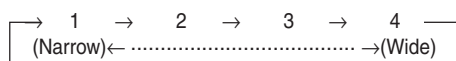
Press **◀◀** or **▶▶** to select the desired bass center frequency.

60Hz ↔ 80Hz ↔ 100Hz ↔ 120Hz ↔ 60Hz

Emphasizes the displayed bass frequency ranges.

## Setting the Bass Band width (Q-Factor)

Press **BAND** to select the desired bass band width.



Changes the boosted bass band width to wide or narrow. A wide setting will boost a wide range of frequencies above and below the centre frequency. A narrower setting will boost only frequencies near the centre frequency.

## Setting the Bass Level

Turn the **Rotary encoder** to select the desired **bass level (-7~+10).**

You can emphasize or weaken the bass frequency.

- If no operation is performed within 15 seconds, the bass control setting will be turned off automatically.
- The bass level settings will be individually memorized for each source (FM, MW (LW), CD, etc.) until the setting is changed. The bass frequency and bass band width settings adjusted for one source are effective for all other sources (FM, MW (LW), CD etc.).
- Depending on the connected devices, some functions and display indications do not work. However, Bass Level is still adjustable if an audio processor with the Bass function is connected.
- This function is inoperable when DEFEAT is set to ON.

---

## Setting the Treble Control

---

You can change the Treble Frequency emphasis to create your own tonal preference.

Press **CENTER f.** to select the **TREBLE (treble Center frequency) control mode.**

BASS → TREBLE → normal mode → BASS

### Setting the Treble Center Frequency

Press **◀◀** or **▶▶** to select the desired treble Center frequency.

7.5kHz ↔ 10.0kHz ↔ 12.5kHz ↔ 15.0kHz ↔ 7.5kHz  
Emphasizes the displayed Treble frequency ranges.

### Setting the Treble Level

Turn the **Rotary encoder** to select the desired **treble level (-7~+7).**

You can emphasize the treble frequency.

- *If no operation is performed within 15 seconds, the treble control setting will be turned off automatically.*
- *The treble level settings will be individually memorized for each source (FM, MW (LW), CD, etc.) until the setting is changed. The Treble frequency settings adjusted for one source are effective for all other sources (FM, MW (LW), CD, etc.).*
- *Depending on the connected devices, some functions and display indications do not work. However, Treble Level is still adjustable if an audio processor with the Treble function is connected.*
- *This function is inoperable when DEFEAT is set to ON.*

---

## Turning Loudness On/Off

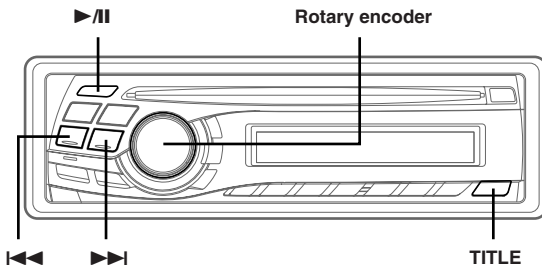
---

Loudness introduces a special low- and high-frequency emphasis at low listening levels. This compensates for the ear's decreased sensitivity to bass and treble sound.

Press and hold the **Rotary encoder (MODE/LOUD)** for at least **2 seconds** to activate or deactivate the loudness mode.

The display shows "LOUD ON" when the loudness mode is activated.

# Other Functions



## Displaying the Title/Text

It is possible to display the CD title if the title has been previously inputted (“Titling Discs” page 22). Text information, such as the disc name and the track name, will be displayed if playing a CD text compatible disc. It is also possible to display the folder name, the file name, and the tag, etc., while playing MP3/WMA files.

### Press **TITLE**.

The display will change every time the button is pressed.

#### The display in Radio mode:

PS (Programme Service Name) → Radio Text →  
FREQUENCY → PS (Programme Service Name)

#### The display in CD mode:

TRACK NO./ELAPSED TIME → TEXT (DISC NAME)\*<sup>1</sup> → TEXT  
(TRACK NAME)\*<sup>1</sup> → TITLE → TRACK NO./ELAPSED TIME

#### The display in MP3/WMA mode:

FOLDER NO./FILE NO./ELAPSED TIME → FOLDER NAME\*<sup>2</sup>  
→ FILE NAME → ARTIST NAME\*<sup>3</sup> → ALBUM NAME\*<sup>3</sup> →  
TRACK NAME\*<sup>3</sup> → FRAME\*<sup>4</sup> → FOLDER NO./FILE NO./  
ELAPSED TIME

\*<sup>1</sup> Displayed during playback of a disc with CD Text.

“NO TEXT” will be displayed when the CD contains no Text data.

\*<sup>2</sup> “ROOT” is displayed for the folder name of the root folder which does not have folder name.

\*<sup>3</sup> ID3 tag/WMA tag

If an MP3/WMA file contains ID3 tag/WMA tag information, the ID3 tag/WMA tag information is displayed (track name, artist name, and album name). All other tag data is ignored.

“NO DATA” will be displayed when an MP3/WMA file contains no ID3 tag/WMA tag information.

\*<sup>4</sup> The recording sampling rate and bit rate of the MP3/WMA file are displayed.

- You cannot display title or text information for DVD or video CD.

## About the indicator display

When displaying Title/Text, the following indicators are lit according to the mode.



| Indicator/ Mode | CD Mode                            | MP3/WMA Mode                  |
|-----------------|------------------------------------|-------------------------------|
|                 | While displaying Title             | —                             |
|                 | —                                  | While displaying Folder Name  |
|                 | —                                  | While displaying File Name    |
|                 | —                                  | While displaying Artist Name* |
|                 | While displaying Text (Disc Name)  | While displaying Album Name*  |
|                 | While displaying Text (Track Name) | While displaying Track Name*  |

\*Tag information

## About “Title” and “Text”

### Title:

With this device, it is possible to input the CD name (page 22). This inputted name is referred to as a “title.” You cannot input or display titles on radio station or MP3/WMA discs.

### Text:

Text compatible CDs contain text information such as the disc name and track name. Such text information is referred to as “text.”

- Some characters may not be displayed correctly with this device, depending on the character type.
- The CD changer must also be CD Text compatible for the Text information to be displayed.
- When the Scroll Setting (page 23) is set to “SCROLL MANU,” press and hold **TITLE** for at least 2 seconds to scroll the Text information only once (TEXT DISPLAY, FOLDER NAME DISPLAY, FILE NAME DISPLAY or TAG DISPLAY mode).
- “NO SUPPORT” is displayed when the desired text information cannot be displayed on this unit.
- If the title was not previously input, “NO TITLE” is displayed.
- The text or tag information may not be correctly displayed, depending on the contents.


---

## Titling Discs

---

It is possible to title your favourite CD's.

You cannot input titles for data discs containing MP3/WMA's, DVD , Video CD discs or radio stations.

- 1 Press TITLE and select the Title Display.**  
For details, see "Displaying the Title/Text" (page 21).
- 2 Press and hold TITLE for at least 2 seconds. The first character will blink.**
- 3 Turn the Rotary encoder to select the desired letter/numeral/symbol available for naming.**
- 4 Press Rotary encoder to store the first character.**  
The first character will stop blinking and the display will automatically advance to the next character. When that character begins to blink, you may choose the next letter or symbol of your title.
- 5 Repeat steps 3 and 4 above to complete the titling.**  
Pressing the Rotary encoder after entering the 8th character automatically stores the title into memory.  
  
When entering a title of less than 8 characters (for example, 3 character title):  
After entering 3 characters, the 4th character space will be blinking. Go to step 6 to complete the title.
- 6 Press TITLE to record the title.**
  - If you cancel while entering a title, selected characters are not written.
  - You can enter 18 CD titles on this unit. If you try to store beyond the limit, the display will show "FULL DATA." At this point, no more titles can be stored. To input a new title, one of the previously inputted titles must first be deleted.
  - The CD Changer title length or memory capacity varies depending upon the model being used.
  - When you want to erase a title, enter the "  " symbol into all spaces.
  - The operations described in steps 3 to 5 must be made within 10 seconds. The input mode will be cancelled if no action is taken for over 10 seconds.

---

## Erasing Disc Title

---

- 1 Press TITLE to select the Title Display. Then, press again and hold for at least 2 seconds.**
- 2 Press and hold ►/II for at least 2 seconds.**  
The title in the display will blink.
- 3 Press I◀◀ or ►► repeatedly until the title you want to erase is displayed.**
- 4 Press and hold ►/II for at least 2 seconds to erase the title displayed.**
- 5 Press TITLE to cancel the title erasing mode.**
  - You cannot erase CD-TEXT.
  - "NO DATA" is displayed for 2 seconds if the title is not input in step 2, or if the title is erased in step 4.

---

## Setting the Wallpaper

---

A data file downloaded from the ALPINE Owner's website is written to a CD-R/CD-RW disc, and automatically uploaded when the disc is inserted into the DVA-9860R.

The wallpaper file can be saved and displayed as long as a disc is not inserted, or while playing a CD/MP3/WMA audio, or if a DVD disc is stopped.

- If several files are stored in a disc, only the first file will be stored on the unit.

### Insert a CD-R/CD-RW disc containing data.

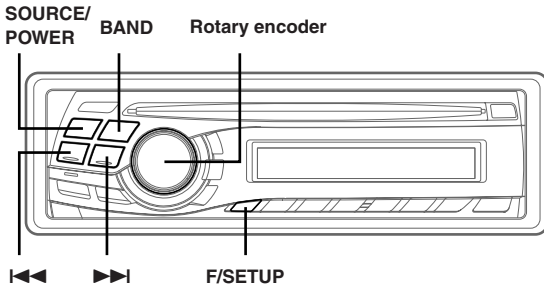
After sensing the disc, the data file is updated.

- Up to 2 files can be stored on this unit. If a third file is downloaded, the first file is overwritten and new one memorized.
- To change the wallpaper, press and hold ENT. on the remote control unit for at least 2 seconds while disc is not inserted, or while PRE-STOP or STOP is set in disc mode.
- Even if the battery power cable is removed, the downloaded data is not cleared.



# SETUP

You can flexibly customize the unit to suit your own preferences and usage. Choose the SETUP menu from Sound Customizing, Visual Customizing, etc., to select your desired setting.



A typical SETUP procedure is shown in steps 1 to 4 as follows. See below for further information about each SETUP menu.

- 1 Press and hold F/SETUP for at least 2 seconds.**  
SETUP mode is activated.
- 2 Press ◀◀ or ▶▶ to select the desired SETUP menu.**  
(e.g. Select SUBW)  
  
FM-LEVEL ↔ RDSREG\*<sup>1</sup> ↔ PI SEEK\*<sup>2</sup> ↔ ILLUMI ↔ DIMMER ↔ SUBW ↔ (SUBW SYS)\*<sup>3</sup> ↔ CDDA /CDDA/MP3 ↔ SCROLL TYPE ↔ SCROLL ↔ MUTE ↔ AUX IN ↔ (AUXILIARY/TV/VCR/GAME)\*<sup>4</sup> ↔ POWER IC ↔ OPT OUT ↔ H510/OTHER ↔ DEMO ↔ FM-LEVEL
- 3 Press BAND to change the setting.**  
(e.g. Select SUBW ON or SUBW OFF.)
- 4 Pressing F/SETUP will return to normal mode.**

## Sound Customizing

### Adjusting Source Signal Levels

**FM-LEVEL HI (Initial setting) / FM-LEVEL LOW**

If the difference in volume level between the CD player and FM radio is too great, adjust the FM signal level.

### Subwoofer On and Off

**SUBW ON (Initial setting) / SUBW OFF**

When the subwoofer is on, perform the steps below to adjust the subwoofer output level.

Press the Rotary encoder repeatedly to select the SUBW mode.

BASS → TREBLE → SUBWOOFER → BALANCE → FADER → DEFEAT → VOLUME → BASS

## Setting the Subwoofer System

**SUBW SYS1 (Initial setting) / SUBW SYS2**

Select either SYS1 or SYS2 for the desired subwoofer effect.

SUBW SYS1: Subwoofer level changes according the main volume setting.

SUBW SYS2: Subwoofer level change is different from the main volume setting. For example, even at low volume settings, the subwoofer is still audible.

## Visual Customizing

### Changing Lighting Colour

**ILLUMI BLUE (Initial setting) / GREEN / AMBER / RED**

You can change the lighting colour of the following four buttons: SOURCE/POWER, BAND, ◀◀ and ▶▶.

BLUE → GREEN → AMBER → RED → BLUE

- According to the lighting colour of the above four buttons, the colour of the other buttons also changes.  
When the colour of the four buttons is BLUE/AMBER/RED, the colour of the others is AMBER. When the colour of the four buttons is GREEN, the others are also GREEN.

### Dimmer Control

**DIMMER AUTO (Initial setting) / DIMMER MANU**

Set the DIMMER control to AUTO to decrease the illumination brightness of the unit with the head lights of the vehicle ON. This mode is useful if you feel the unit's backlighting is too bright at night.

- If your vehicle should have a dimmer control for the dashboardlights, never connect the DIMMER cable (orange) of the radio to this dimmer control.

### Scroll Type Setting

**TYPE1 (Initial setting) / TYPE2**

Choose from two scrolling methods.  
Select the type you prefer.

### Scroll Setting

**SCROLL AUTO / SCROLL MANU (Initial setting)**

This CD player can scroll the disc and track names recorded on CD-TEXT discs, as well as the text information of MP3/WMA files, folder names, and tags.

SCROLL AUTO : The CD text information, the text information of folder and file names, and the tags are scrolled automatically.

SCROLL MANU : The display is scrolled when a disc is loaded or when a track is changed, etc.

- The unit scrolls CD text names, folder names, file names or tag display. The disc titles input manually (page 22) cannot be scrolled.

### Demonstration

**DEMO ON / DEMO OFF (Initial setting)**

This unit has a demonstration feature for the display and sound.

- To quit Demo mode, set to DEMO OFF.



## External Device

### Connecting an MP3 Changer

#### **CDDA (Initial setting) / CDDA/MP3**

Perform this setting when connecting MP3 changer. MP3 changer can playback CDs containing both CD and MP3 data. However, in some situations (some enhanced CDs), playback may be difficult. For these special cases, you can select playback of CD data only. When a disc contains both CD or the MP3 data, playback starts from the CD data portion of the disc.

- CDDA : Only CD data can be played back.
- CDDA/MP3 : Both CD data and MP3 file tracks can be played back.

- *Change discs after performing this setting.*

### Turning Mute Mode On/Off

#### **MUTE ON (Initial setting) / MUTE OFF**

If a device having the interrupt feature is connected, audio will be automatically muted whenever the interrupt signal is received from the device.

### Setting the AUX Mode (V-Link)

#### **AUX IN ON / AUX IN OFF (Initial setting)**

You can input TV/video sound by connecting an optional Ai-NET/ RCA Interface cable (KCA-121B) or Versatile Link Terminal (KCA-410C) to this component.

You can change the AUX name display when AUX ON is set. Select the AUX name by pressing **I◀◀** or **▶▶I**. Then press **BAND**.

If the KCA-410C is connected, it is possible to select two AUX names.

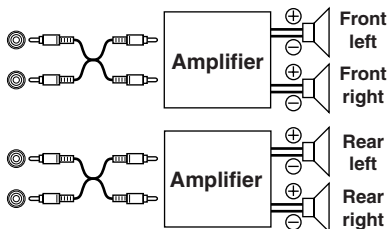
- *Via KCA-410C, up to 2 external devices with RCA output can be connected. In this case, press **SOURCE/POWER** to select AUX mode and then press **BAND** to select your desired device.*

### Connecting to an External Amplifier

#### **POWER IC ON (Initial setting) / POWER IC OFF**

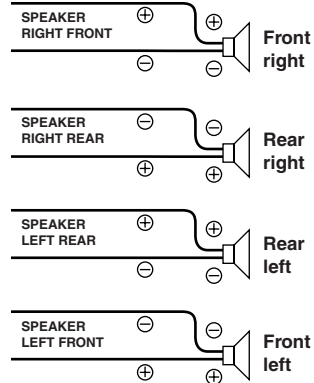
When an external amplifier is connected, sound quality can be improved by stopping the power supply of the built-in amplifier.

- POWER IC OFF : Use this mode when the front and rear pre-amplifier of the unit are used to drive an external amplifier connected to the speakers. In this setting, the head unit's internal amplifier has no output to drive speakers.



- POWER IC ON : The speakers are driven by the built-in amplifier.

#### Speakers



- *No sound is produced by the system when the power output is set to OFF.*

### Setting the Digital Output

#### **OPT OUT ON / OPT OUT OFF (Initial setting)**

To connect to a digitally to an audio processor, the optical digital output must be turned ON.

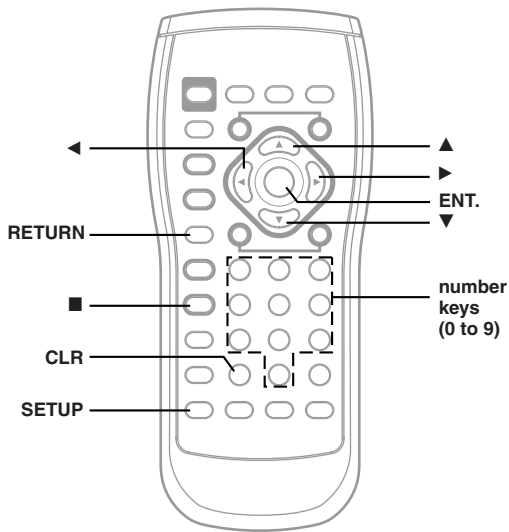
### Setting the Digital Audio Processor

#### **H510 / OTHER (Initial setting)**

According to the type of Ai-NET compatible digital audio processor you are connecting, connect and change the setting as follows:

- *Make sure OPT OUT is ON in "Setting the Digital Output" (this page) before switching this setting.*
  - H510 : When connecting the PXA-H510, select the H510, using the optical digital input connection to the DVD.
  - OTHER : When connecting other than the PXA-H510, select OTHER, and connect the optical digital input terminal to the head unit.
- *After input selection is completed, turn the ignition off and back on again. Setting of the optical digital input switch is completed.*

# DVD Setup



## Setting the language

The audio language, subtitle language and menu language can be set according to your preferences.

Once set, this becomes the default language. This function is convenient when you always want to listen in English. (Not all discs allow changing the default language. If not, the factory default language applies.)

### Setting item: Language

Further setting items: AUDIO / SUBTITLE / MENU

#### AUDIO:

Set the audio track language.

#### SUBTITLE:

Set the language of the subtitles displayed on the screen.

#### MENU:

Set the language used for the menus (title menu, etc.).

| ■ SETUP   |      |
|-----------|------|
| LANGUAGES |      |
| AUDIO     | AUTO |
| SUBTITLE  | AUTO |
| MENU      | AUTO |

### Setting contents:

**AUTO**\*1 / **ENGLISH** / **JAPANESE** / **GERMAN** / **SPANISH** / **FRENCH** / **ITALIAN** / **PORTUGUESE** / **RUSSIAN** / **CHINESE** / **OTHER**\*2

Press ▲, ▼, ◀ or ▶ to select your desired language, then press ENT.

#### \*1 AUTO:

The disc is played with the audio language or subtitle language set as the priority language for the disc.

#### \*2 OTHER:

Set this to play the disc with a language other than one of the languages displayed. Press ENT. then use the number keys "0" to "9" to input the 4-digit language code. Then press ENT. again. For the language codes, refer to "List of Language Codes" (page 47).

## DVD Setup Operation

- DVD Setup Operation is controlled using the remote control unit.

The following 4 steps are common to each of the DVD settings. Refer to the specific section for details.

### 1 Press **SETUP** before inserting a disc, or when in stop mode.

The setup menu appears on the monitor.

| ■ SETUP      |             |
|--------------|-------------|
| LANGUAGES    |             |
| TV SCREEN    | 16:9 (WIDE) |
| COUNTRY CODE | DE-6869     |
| PARENTAL     | OFF         |
| DIGITAL OUT  |             |
| CUSTOM SETUP |             |

### 2 Press ▲ or ▼ to select your desired setting item, then press **ENT.**

Further items will be displayed.

#### Setting items:

LANGUAGES / TV SCREEN / COUNTRY CODE / PARENTAL / DIGITAL OUT / CUSTOM SETUP\*1

\*1 Refer to "Custom Setup" on page 28.

### 3 Press ▲, ▼, ◀ or ▶ to change the setting, then press **ENT.**

### 4 Press **RETURN** repeatedly until the **SETUP** mode is deactivated.

- When settings are changed, old settings are overwritten. Make a note of the current settings before making changes. If the vehicle's battery is disconnected, the settings will be cleared and will return to the factory settings.

- If you change the language setting when the disc is inside, the setting is decided with one of the following operations.
  - Turn OFF the main unit
  - Switch the source on the head unit.
- To temporarily change the language of the current disc, either do so from the DVD menu or using the operation described in the section "Switching the Audio Tracks" (page 17).
- If the disc does not include the selected language, the disc's default language is set.
- Languages set upon shipment from the factory:
  - Audio language : AUTO
  - Subtitle language : AUTO
  - Menu language : AUTO
- Press **RETURN** to return to the previous display.

## Setting the TV Screen

Use the procedure described below to set the output screen according to the type of TV monitor being used.

### Setting item: TV SCREEN

Setting contents: 16:9 (WIDE) / 4:3 (LB) / 4:3 (PS)

- For some discs, the picture may not be set to the selected screen size. (For details, refer to the explanation on the disc's jacket.)
- Press **RETURN** to return to the previous screen.

#### 16:9 (WIDE)

Select this when connected to a wide screen TV. This is selected upon shipment from the factory.



#### 4:3 LB (LETTER BOX)

Select this when connected to a conventional 4:3 size (normal TV aspect ratio) monitor. There may be black bands visible at the top and bottom of the screen (when playing a 16 : 9 size movie). The width of these stripes will depend upon the original aspect ratio of the theatre release of the movie.



#### 4:3 PS (PAN-SCAN)

Select this when connected to a conventional 4:3 size monitor. The picture will fill the entire TV screen. However, due to the mismatch in aspect ratio, parts of the movie at the extreme left and right sides will not be visible (when playing a 16 : 9 size movie).



## Setting the Country Code

Set the country code of which you want to set the rating level (Parental lock).

### Setting item: COUNTRY CODE

Setting contents: CODE

- 1 Press **▲** or **▼** to select "COUNTRY CODE," then press **ENT**.  
"COUNTRY CODE" will be reset.

**COUNTRY CODE - - - -**

- 2 Use the number keys "0" to "9" to input the 4-digit country code, then press **ENT**.  
Example: Germany "6869" is input

**COUNTRY CODE 6 8 6 9**

- If the input code is wrong, the unit returns to the country code input display, after displaying "CODE ERROR" for 3 seconds.
- For the country codes, refer to "List of Country Codes" (Pages 48 to 49).
- Can be erased one digit at a time each time **CLR** is pressed. Press **CLR** for at least 2 seconds to delete all digits.
- Press **RETURN** to return to the previous screen.

## Setting the Rating Level (Parental Lock)

Use this function to restrict the viewing of movies to children of appropriate age levels only.

### Setting item: PARENTAL

Setting contents: Password

- 1 Press **▲** or **▼** to select "PARENTAL," then press **ENT**.  
The password input mode is activated.
- 2 Use the number keys "0" to "9" to input the 4-digit password, then press **ENT**.

**PASSWORD \* \* \* \***

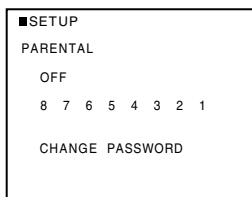
Input numbers are displayed as "\*."

The default password is 1111 upon shipment from the factory.

The restriction level (PARENTAL LEVEL) input display appears.

- Can be erased one digit at a time each time **CLR** is pressed. Press **CLR** for at least 2 seconds to delete all digits.
- Press **RETURN** to return to the previous screen.
- If the password is wrong, the unit returns to the password input display, after displaying "PASSWORD ERROR" for 3 seconds.

- 3 Press **▲**, **▼**, **◀** or **▶** to select the restriction level (1 to 8), then press **ENT**.



Select "OFF" to cancel the parental lock or if you do not want to set a rating level.

The lower the number, the higher the rating level.

- Press **RETURN** to return to the previous display.
- 4 Press **RETURN** repeatedly until the SETUP mode is deactivated.
- If you want to change the password, select "CHANGE PASSWORD," then input the new password (4 digits).
- Write down the password on a piece of paper and store the piece of paper somewhere in case you forget it.
- On unrated DVDs, playback will not be restricted even if the rating level is set.
- Once set, this rating level remains in memory until changed. To enable the play of discs of higher rating levels or to cancel the parental lock, the setting must be changed.
- Not all DVDs provide a Parental Lock feature. If you are unsure about a DVD, play it first to confirm. Do not leave DVDs accessible to young children for whom you deem them inappropriate.

### Tips

- **Changing the rating level temporarily**  
Some discs may request that you change the rating level set in the default settings during playback. In this case, the message appears on the monitor screen "PARENTAL LEVEL CHANGE OK?"
- **To change parental level and play, press ENT.**  
The password input mode is displayed. Input the 4-digit password you set in "Setting the Rating Level (Parental Lock)", then press **ENT**.
- **To play without changing the parental level, press ■.**  
(When **■** is pressed, playback will be at the parental level set with "Setting the Rating Level (Parental Lock).")

## Setting the Digital Output

Use the following procedure to set the digital audio signal output from the DVA-9860R.

### Setting item: DIGITAL OUT

#### Further setting items: DOLBY D / DTS / MPEG

Press ▲ or ▼ to select your desired setting item, then press ENT.

**DOLBY D:** Sets Dolby Digital output.  
The initial setting is BITSTREAM.

**DTS:** Sets DTS output.  
The initial setting is BITSTREAM.

**MPEG:** Sets MPEG audio output by converting 48kHz/16bit linear PCM (DVD) or 44.1 kHz (Video CD, CD).  
The initial setting is LPCM.

### Setting contents: BITSTREAM / LPCM

Press ▲ or ▼ to select BITSTREAM or LPCM, then press ENT.

**BITSTREAM:** The digital output is switched automatically according to the type of audio signal being played.  
Be sure to select "BITSTREAM" when you want to connect a digital audio processor and play Dolby Digital audio. "BITSTREAM" is selected upon shipment from the factory.

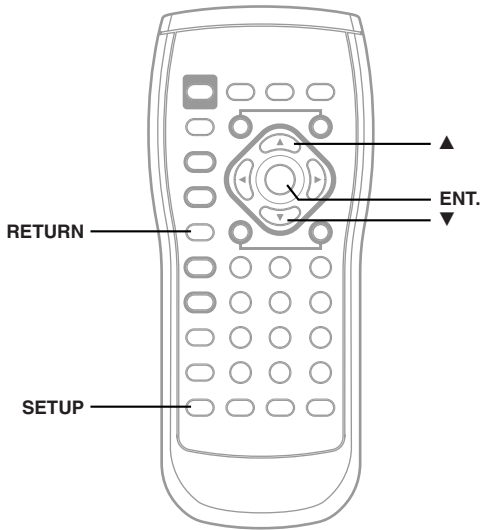
**LPCM:** The audio signal recorded on the disc is converted to 48 kHz/16 bit (for DVDs) or 44.1 kHz (for video CDs and CDs) linear PCM audio signals for output.

- Press **RETURN** to return to the previous screen.

## Audio output/Optical digital audio output

| Disc | Audio recording format                           | Digital output setting | Optical digital audio output (when a digital audio processor is connected) | Analog audio output (Ai-NET, RCA output) |    |
|------|--|------------------------|--|--|----|
| DVD  | DTS  | AUTO                   | DTS Elementary Stream  | OK                                       |    |
|      |  | LPCM                   | LPCM Encode 2ch Down mix (44.1kHz or 48kHz/16bit)                          | OK                                       |    |
|      | Dolby Digital                                    | AUTO                   | Dolby Digital  | OK                                       |    |
|      |  | LPCM                   | LPCM (48kHz/16bit)   | OK                                       |    |
|      | Linear PCM                                       | 48kHz/16bit            | AUTO or LPCM   | LPCM (48kHz/16bit)                       | OK |
|      |  | 48kHz/20bit            | AUTO or LPCM   | LPCM (48kHz/16bit)                       | OK |
|      |  | 48kHz/24bit            | AUTO or LPCM   | LPCM (48kHz/16bit)                       | OK |
|      |  | 96kHz/16bit            | AUTO or LPCM   | LPCM (48kHz/16bit)                       | OK |
|      |  | 96kHz/20bit            | AUTO or LPCM   | LPCM (48kHz/16bit)                       | OK |
|      |  | 96kHz/24bit            | AUTO or LPCM   | LPCM (48kHz/16bit)                       | OK |
|      | MPEG2  | AUTO or LPCM           | LPCM (44.1kHz or 48kHz/16bit)  | OK                                       |    |
|      | Video CD   | MPEG1                  | AUTO or LPCM   | LPCM (44.1kHz)                           | OK |
| CD   | Linear PCM                                       | AUTO or LPCM           | LPCM (44.1kHz)   | OK                                       |    |
|      |  | DTS                    | AUTO   | DTS Elementary Stream                    | OK |
|      |  | LPCM                   | LPCM Encode 2ch Down mix (44.1kHz/16bit)                                   | OK                                       |    |
| MP3  | MPEG-1 Audio Layer3<br>Bit Rate: 32kbps-320kbps  | 32kHz/16bit            | AUTO or LPCM   | LPCM Encode 2ch (32kHz/16bit)            | OK |
|      |  | 44.1kHz/16bit          | AUTO or LPCM   | LPCM Encode 2ch (44.1kHz/16bit)          | OK |
|      |  | 48kHz/16bit            | AUTO or LPCM   | LPCM Encode 2ch (48kHz/16bit)            | OK |
| WMA  | Windows Media™ Audio<br>Bit Rate: 32kbps-320kbps | 32kHz/16bit            | AUTO or LPCM   | LPCM Encode 2ch (32kHz/16bit)            | OK |
|      |  | 44.1kHz/16bit          | AUTO or LPCM   | LPCM Encode 2ch (44.1kHz/16bit)          | OK |
|      |  | 48kHz/16bit            | AUTO or LPCM   | LPCM Encode 2ch (48kHz/16bit)            | OK |

# Custom Setup



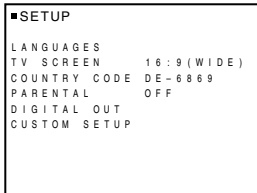
## Custom Setup Operation

- Custom Setup Operation is controlled using the remote control unit.

The following 5 steps are common to each of the Custom Setup settings. Refer to the specific section for details.

- 1 Press **SETUP** before inserting a disc, or when in stop mode.

The setup menu appears on the monitor.

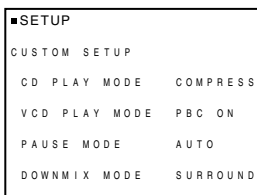


- 2 Press **▲** or **▼** to select "CUSTOM SETUP," then press **ENT.**

- 3 Press **▲** or **▼** to select your desired setting item, then press **ENT.**

**CUSTOM SETUP items:**

CD PLAY MODE / VCD PLAY MODE / PAUSE MODE / DOWNMIX MODE



- 4 Press **▲** or **▼** to change the setting, then press **ENT.**

- 5 Press **RETURN** repeatedly until the **SETUP** mode is deactivated.

- When settings are changed, old settings are overwritten. Make a note of the current settings before making changes. If the vehicle's battery is disconnected, the settings will be cleared and will return to the factory settings.

### Setting the CD Play Mode

The unit can be set to play only the audio data or only the MP3/WMA files on discs containing both audio data and MP3/WMA data.

**Setting item: CD PLAY MODE**

**Setting contents: CD-DA/COMPRESSED AUDIO**

**CD-DA:** Only CD data can be played back.

**COMPRESSED AUDIO:** Only MP3/WMA data can be played back.

The initial setting at the factory is CD-DA.

- If a disc has already been inserted, perform the setting after you remove the disc.

### Setting the Video CD Play Mode

When playing a Playback Control (PBC) enabled video CD, you can choose to set PBC ON or OFF.

**Setting item: VCD PLAY MODE**

**Setting contents: PBC ON/PBC OFF**

**PBC ON:** The PBC menu is displayed.

**PBC OFF:** The PBC menu is not displayed. The initial setting at the factory is PBC ON.

### Setting the Pause Mode

In pause mode, screen blurring may occur. To overcome this, set AUTO/FIELD/FRAME accordingly.

**Setting item: PAUSE MODE**

**Setting contents: AUTO/FIELD/FRAME**

If you experience blurring during pause mode, set to FIELD or FRAME.

The initial setting at the factory is AUTO.

### Setting the Downmix Mode

This function applies to Dolby Digital, DTS stream sound.

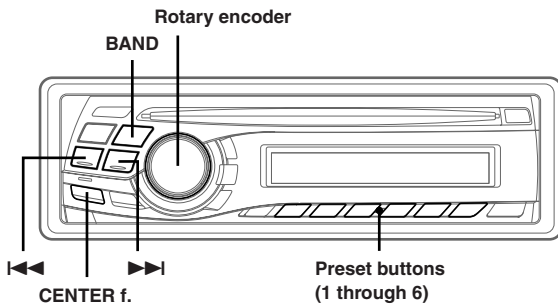
**Setting item: DOWNMIX MODE**

**Setting contents: STEREO/SURROUND ENCODED**

**STEREO:** Stereo Downmix

**SURROUND ENCODED:** Surround compatible Downmix. The initial setting at the factory is SURROUND ENCODED.

# External Audio Processor (Optional)



When an external audio processor is connected to this unit, you can operate it from this unit. Some audio processors may not be operated. When PXA-H510 or PXA-H900 is connected, some of the operations may not be performed from this unit. In this case, operate them in the connected product. Explanations below is the case when PXA-H700 or PXA-H701 is connected for example. Refer also to the operating instructions of the connected audio processor.

- The adjustments or settings performed on the connected audio processor cannot be operated properly from this unit.
- The setting "Setting the Speakers", "Setting Bass Sound Control", and "Graphic Equalizer Adjustments" are not available if the MRA-D550 is connected. Also, the setting content differs between the PXA-H700 and PXA-H701.

## Adjustment Procedure for Dolby Surround

Make the adjustments described below in order to reproduce Dolby Digital and DTS sound with greater accuracy.

### Adjustment procedure

- 1 **Speaker Setup (page 34)**  
(Turning the speakers to be used on and off and setting their response)
- 2 **Adjusting the speaker levels (page 35)**  
(Adjusting the signal output level to the various speakers)
- 3 **Mixing bass sound to the rear channel (page 35)**  
(Achieving smooth sound in the rear seat by mixing the front audio signals with the rear speaker signals)
- 4 **Adjusting the acoustic image (page 35)**  
(Adjusting the acoustic image to achieve a sound as if the centre speaker were directly in front of the listener)
- 5 **Achieving powerful high volume sound (page 36)**  
(Achieving energetic sound with even greater power, like the sound in a movie theatre)
- 6 **Adjusting the DVD Level (page 36)**  
(Adjust the volume (signal level) in the Dolby Digital, Pro Logic II, DTS and PCM modes.)
- 7 **Storing Settings in the Memory (page 37)**  
(Storing all the settings and adjustments made on the DVA-9860R (not only the above settings/adjusts) in the memory)

**In case of combining the Automatic adjustments etc.**

We recommend to make the Automatic adjustments before the Dolby Surround adjustments.

---

## Setting the Speakers

---

- 1 Check that Defeat mode is of f (page 19).
- 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
- 3 Select the SP SELECT mode by pr essing **CENTER f.** repeatedly .
- 4 Select each speaker by tur ning and then pr essing the **Rotary encoder.**
- 5 Select any kind of speaker or set speaker to ON/OFF by tur ning and then pr essing the **Rotary encoder.**

FRONT1: OFF/TW (Tweeter)/FULL (Full Range)  
FRONT2: OFF/ON  
REAR: OFF/ON  
CENTER: OFF/ON  
SUBWOOFER: OFF/MONO/STEREO

- 6 When the setting is complete, pr ess and hold **CENTER f.** for at least 2 seconds.  
The unit returns to the normal mode.  
Press **CENTER f.** to select another item to be set.
- Set the speaker which is not connected to OFF.
  - Settings above can be carried out even when the speaker is set to OFF in "Speaker Setup" (page 34).
  - To use the subwoofer in MONO with PXA-H700 or PXA-H701 connected, connect the subwoofer to the subwoofer output terminal of PXA-H700 or PXA-H701.

---

## Set MX Mode of the External Audio Processor

---

Before performing the operations below, set MX (Media Xpander) mode of the PXA-H700 to "AUTO" when the PXA-H700 is connected.

- 1 Check that Defeat mode is of f (page 19).
  - 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
  - 3 Select the MX mode by pr essing **CENTER f.** repeatedly .
  - 4 Select ON/OFF of MX by pr essing **◀◀** or **▶▶**.  
OFF: Turns off the MX effect of every music source.  
ON: Turns on the specified MX mode.
  - 5 After setting to ON, select the desir ed MX level by tur ning and then pr essing the **Rotary encoder.**
- Music source (such as radio broadcasts and CDs, excluding MW, LW radio) level can be set.

### MX CD (OFF, CD MX 1 to 3)

CD mode processes a large quantity of data. This data is used to reproduce the sound clearly by making use of the data quantity.

### MX COMPRESS MEDIA (OFF, CMPM 1 to 3)

This corrects information that was omitted at the time of compression. This reproduces a well-balanced sound close to the original.

### MX FM (OFF, FM MX 1 to 3)

The medium to high frequencies become more clear, and produces well balanced sound in all the bands.

### MX DVD (OFF, MOVIE MX 1 to 2)

The dialog portion of the video is reproduced more clearly. (DVD MUSIC)

This disk contains a large quantity of data such as music clip. MX uses this data to reproduce the sound accurately.

### MX AUX 1 to 3 (OFF, CMPX MX, MOVIE MX, MUSIC MX)

Choose the MX mode (MP3, MUSIC, or MOVIE) that corresponds to the media connected.

- 6 When the setting is complete, pr ess and hold **CENTER f.** for at least 2 seconds.  
The unit returns to the normal mode.  
Press **CENTER f.** to select another item to be set.
- The contents of MX set here is reflected to PXA-H700 or PXA-H701.
  - When OFF is selected, MX effect of each MX mode will be OFF.
  - Each music source, such as radio, CD, and MP3 can have its own MX setting.
  - There is no MX mode for MW, LW radio.
  - MX COMPRESS MEDIA is applied for MP3/WMA, MMD.

---

## X-OVER Adjustment

---

- 1 Check that Defeat mode is of f (page 19).
  - 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
  - 3 Select the X-OVER mode by pr essing **CENTER f.** repeatedly .
  - 4 Select L+R or L/R by pr essing and holding **BAND** for at least 2 seconds.  
L+R: Sets the same adjustment values for the left and right channels.  
L/R: Different adjustment values can be set for the left and right channels.
  - 5 Select the desir ed channel by pr essing **◀◀** or **▶▶**.  
When L+R is selected :  
FRONT 1 → FRONT 2 → REAR → CENTER → SUBWOOFER → FRONT 1  
When L/R is selected :  
FRONT 1L → FRONT 1R → FRONT 2L → FRONT 2R → REAR L → REAR R → CENTER → SUBWOOFER → FRONT 1L
- The speakers display differs, depending on the connected speakers.
- 6 Adjust the cut-off frequency of H.P .F. (HPFREQ) by tur ning and then pr essing the **Rotary encoder.**  
The adjustable frequency range differs depending on the channels (speakers).



**7** Adjust the slope of H.P.F. (HP SLOPE) by turning the **Rotary encoder**, and press the **Rotary encoder**.

**8** Adjust L.P.F. by performing steps 6 and 7.

**9** Adjust the level (LEVEL) by turning and then pressing the **Rotary encoder**.  
Press the Rotary encoder to return to step 6.

**10** To adjust other channels, repeat steps 5 to 9.

**11** When the setting is complete, press and hold **CENTER f.** for at least 2 seconds.

The unit returns to the normal mode.

Press **CENTER f.** to select another item to be set.

- When the speaker is set to the "OFF" mode, the X-OVER for that speaker cannot be set. Refer to "Setting the Speakers" (page 30).
- Check the playback frequencies of the connected speakers before adjusting.
- In order to protect the speakers, there is no OFF setting for the subwoofer low pass filter (the slope remains the same).
- The H.P.F. filter cannot be set to OFF (slope OFF) if Tweeter is selected for FRONT1. Or, only the subwoofer is adjustable if STEREO is selected for the subwoofer.
- When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

## Performing Time Correction Manually (TCR)/Phase Switching

Because of the particular conditions inside the vehicle, there can be major differences in the distances between the various speakers and the listening position. It is possible to calculate the optimum correction values and eliminate the time error at the listening position yourself using this function.

### Calculating the Time Correction

**1** Sit in the listening position (the driver's seat, for example) and measure the distance (in meters) between your head and the various speakers.

**2** Calculate the difference in distance between the farthest speaker and the other speakers.

$$L = (\text{distance of farthest speaker}) - (\text{distance of other speakers})$$

**3** Divide the distances calculated for the different speakers by the speed of sound (343 m/s temperature 20°C).

This value is the time correction value for the various speakers.

### Concrete examples

Calculating the time correction value for the front left speaker on the diagram below.

Conditions:

Distance between farthest speaker and listening position: 2.25 m (88-3/4")

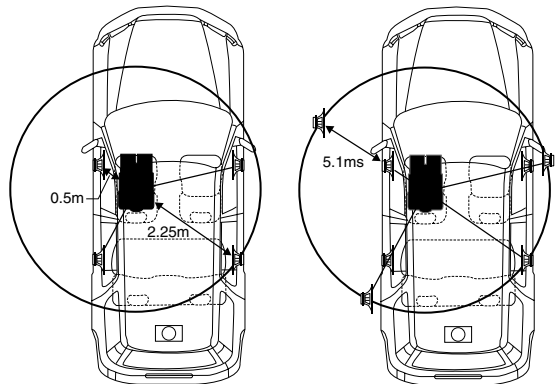
Distance between front left speaker and listening position: 0.5 m (20")

Calculation:

$$L = 2.25 \text{ m (88-3/4")} - 0.5 \text{ m (20")} = 1.75 \text{ m (68-3/4")}$$

$$\text{Compensation time} = 1.75 \div 343 \times 1000 = 5.1 \text{ (ms)}$$

In other words, setting the time correction value for the front left speaker to 5.1 (ms) sets a virtual distance matching the distance to the farthest speaker.



The sound is uneven because the distance between the listening position and the different speakers is different. The difference in the distance between the front left and rear right speakers is 1.75 meters (68-3/4").

Time correction eliminates the difference between the time required for the sound from the different speakers to reach the listening position. Setting the time correction of the front left speaker to 5.1 ms makes it possible to coordinate the distance from the listening position to the speaker.

### Inputting the Time Correction

**4** Check that Defeat mode is off (page 19).

**5** Press and hold **CENTER f.** for at least 2 seconds. The audio processor control mode is activated.

**6** Select the TCR/PHASE mode by pressing **CENTER f.** repeatedly.

**7** Select L+R or L/R by pressing and holding **BAND** for at least 2 seconds.

L+R: Sets the same adjustment values for the left and right channels.

L/R: Different adjustment values can be set for the left and right channels.

Continued



## 8 Select the desired channel by pressing **L** or **R**.

When L+R is selected :

FRONT 1 → FRONT 2 → REAR → CENTER →  
SUBWOOFER → FRONT 1

When L/R is selected :

FRONT 1L → FRONT 1R → FRONT 2L → FRONT 2R →  
REAR L → REAR R → CENTER → SUBWOOFER →  
FRONT 1L

- The speakers display differs, depending on the connected speakers.

## 9 Adjust the calculated time correction value (0.00 to 20.00ms) by turning and then pressing the **Rotary encoder**.

### Switching the Phase

## 10 Switch the phase (PHASE) by turning and then pressing the **Rotary encoder**.

## 11 To adjust other channels, repeat steps 8 to 10.

## 12 When the setting is complete, press and hold **CENTER f.** for at least 2 seconds.

The unit returns to the normal mode.

Press **CENTER f.** to select another item to be set.

- When the speaker is set to the "OFF" mode, the TCR for that speaker cannot be set. Refer to "Setting the Speakers" (page 30).
- The adjustment value for FRONT2 (Speakers) which is adjusted in time correction, is also applied to the front speakers in "Setting Bass Focus" (page 34).
- The adjustment (AUTO TCR) cannot be automatically set on this unit.
- When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

## Graphic Equalizer Adjustments

The graphic equalizer allows you to modify the sound using 31 bands each for the front (left and right), rear (left and right) and centre speakers. An additional 10 bands are available for the subwoofer. This allows you to customize the sound to suit your taste.

## 1 Check that Defeat mode is off (page 19).

## 2 Press and hold **CENTER f.** for at least 2 seconds.

The audio processor control mode is activated.

## 3 Select the G-EQ mode by pressing **CENTER f.** repeatedly.

## 4 Select L+R or L/R by pressing and holding **BAND** for at least 2 seconds.

L+R: Sets the same adjustment values for the left and right channels.

L/R: Different adjustment values can be set for the left and right channels.

When parametric EQ is adjusted, this setting will be turned off.

## 5 Select the desired channel by pressing **L** or **R**.

When L+R is selected :

FRONT → REAR → CENTER → SUBWOOFER →  
FRONT

When L/R is selected :

FRONT L → FRONT R → REAR L → REAR R → CENTER  
→ SUBWOOFER → FRONT L

- The speakers display differs, depending on the connected speakers.

## 6 Select the frequency by turning and then pressing the **Rotary encoder**.

Adjustable frequency:

FRONT/REAR/CENTER: 20Hz - 20kHz (in 1/3 octave steps)

SUBWOOFER: 20Hz - 160Hz (in 1/3 octave steps)

## 7 Adjust the level (LEVEL) (±9dB 1dB step) by turning and then pressing the **Rotary encoder**.

## 8 To adjust other channels, repeat steps 5 to 7.

## 9 When the setting is complete, press and hold **CENTER f.** for at least 2 seconds.

The unit returns to the normal mode.

Press **CENTER f.** to select another item to be set.

- When the speaker is set to the "OFF" mode, the level of the graphic equalizer for that speaker cannot be adjusted. Refer to "Setting the Speakers" (page 30).
- Check the playable frequency ranges of the connected speakers before making the equalizer adjustments. If the speaker's playable frequency range is 55 Hz to 30 kHz, for example, adjusting the 40 Hz or 20 Hz band has no effect. Additionally, you may overload and damage the speakers.
- When graphic EQ is adjusted, the adjustment for parametric EQ becomes ineffective.
- When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

## Parametric Equalizer Adjustments

The frequency bands of the graphic equalizer are fixed. This makes it very difficult to correct for undesired peaks and dips at specific frequencies. The parametric equalizer's centre frequency can be tuned to these specific frequencies. Then, the bandwidth (Q) and level are fine-tuned, independently, to make the necessary corrections. The parametric equalizer function is an advanced tool for serious audiophiles.

- 1 Check that Defeat mode is off (page 19).
- 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
- 3 Select the P-EQ mode by pressing **CENTER f.** repeatedly .
- 4 Select L+R or L/R by pressing and holding **BAND** for at least 2 seconds.

L+R: Sets the same adjustment values for the left and right channels.

L/R: Different adjustment values can be set for the left and right channels.

When graphic EQ is adjusted, this setting will be turned off.

- 5 Select the desired channel by pressing **◀◀** or **▶▶**.

When L+R is selected :  
FRONT → REAR → CENTER → SUBWOOFER → FRONT

When L/R is selected :  
FRONT L → FRONT R → REAR L → REAR R → CENTER  
→ SUBWOOFER → FRONT L

- The speakers display differs, depending on the connected speakers.

- 6 Press **BAND** to select the band.

Adjustable bands:  
FRONT/REAR/CENTER: 5 bands  
SUBWOOFER: 2 bands

- 7 Select the frequency by tuning and then pressing the **Rotary encoder**.

The adjustable frequency changes according the band.

- 8 Adjust the band width (Q) by tuning and then pressing the **Rotary encoder**.

The band width is adjustable in 6 steps: 0.5/1/2/3/4/5

- 9 Adjust the level (LEVEL) ( $\pm 9$ dB 1dB step) by tuning and then pressing the **Rotary encoder**.

- 10 To adjust other bands, repeat steps 6 to 9.

- 11 To adjust other channels, repeat steps 5 to 9.

- 12 When the setting is complete, press and hold **CENTER f.** for at least 2 seconds.

The unit returns to the normal mode.

Press **CENTER f.** to select another item to be set.

- When the speaker is set to the "OFF" mode, the parametric equalizer for that speaker cannot be set. Refer to "Setting the Speakers" (page 30).
- It is not possible to adjust the frequencies of adjacent bands within 7 steps.
- Check the playable frequency ranges of the connected speakers before making the equalizer adjustments. If the speaker's playable frequency range is 55 Hz to 30 kHz, for example, adjusting the 40 Hz or 20 Hz band has no effect. Additionally, you may overload and damage the speakers.
- When the parametric EQ is adjusted, the adjustment for graphic EQ becomes ineffective.
- When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

---

## Setting Bass Compressor

---

You can adjust the sound of low frequencies as desired.

- 1 Check that Defeat mode is of f (page 19).
- 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
- 3 Select the BASS SOUND mode by pressing **CENTER f.** repeatedly .
- 4 Select BASS COMP . by pressing **◀◀** or **▶▶**.
- 5 Select the desired mode by turning and then pressing the **Rotary encoder**.  
Bass sound is emphasized more as the mode is sequentially switched as COMP1 → 2 → 3, offering you vivid low frequencies.  
Select OFF when the setting is not necessary.
- 6 When the setting is complete, press and hold **CENTER f.** for at least 2 seconds.  
The unit returns to the normal mode.  
Press **CENTER f.** to select another item to be set.

---

## Setting Bass Focus

---

Using the previously specified delay number (time difference) allows you to set a time difference between the front-rear/left-right speakers. Namely, it enables a time correction based on your preference. With an initial delay of 0.05 ms for each of the 0 to 400 steps, audible time correction can be achieved.

- 1 Check that Defeat mode is of f (page 19).
- 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
- 3 Select the BASS SOUND mode by pressing **CENTER f.** repeatedly .
- 4 Select BASS FOCUS by pressing **◀◀** or **▶▶**.
- 5 Press the **Rotary encoder** to select the front/rear/left/right speaker .
- 6 Set a step of the front (left and right) speaker , and press the **Rotary encoder**.
- 7 When the setting is complete, press and hold **CENTER f.** for at least 2 seconds.  
The unit returns to the normal mode.  
Press **CENTER f.** to select another item to be set.

- Any setting in Bass Focus is applied in time correction, too.
- When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

---

## Speaker Setup

---

The PXA-H700 or PXA-H701 can be set according to the playable frequency range of your speakers.

Check the playable frequency range of the speakers (not including the subwoofer) before performing this operation to verify whether the speakers can play low frequencies (of about 80 Hz or less).

- Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if Decode mode is switched.

- 1 Check that Defeat mode is of f (page 19).
- 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
- 3 Select the SP SETUP mode by pressing **CENTER f.** repeatedly .
- 4 Select the speaker by pressing the **Rotary encoder**.
- 5 Select the speaker characteristic by turning and then pressing the **Rotary encoder**.

OFF\*1: When no speaker is connected.

SMALL: When a speaker that cannot play low frequencies (80 Hz or less) is connected.

LARGE\*2: When a speaker that can play low frequencies (80 Hz or less) is connected.

\*1 It is not possible to set the front speakers to "OFF".

\*2 If the front speakers are set to "SMALL", the rear and centre speakers cannot be set to "LARGE".

- 6 When the setting is complete, press and hold **CENTER f.** for at least 2 seconds.  
The unit returns to the normal mode.  
Press **CENTER f.** to select another item to be set.
- If the centre speaker is turned "OFF", the centre channel's audio signals are added to the audio signals output from the front speakers.
  - If you set the speaker response to "OFF", also set the speaker setting to "OFF" (page 30)
  - Perform the setup for all the speakers ("Front", "Center", "Rear" and "Subwoofer"). If not, the sound may not be balanced.
  - When centre is set to "OFF", the setting is ineffective even if centre is set with this function.
  - Through changing the settings on each speaker, a change in the output of the other speakers may occur due to the setting requirements.
  - When using the PRO LOGIC II, if the rear speaker is set to "LARGE", then there will be no output from the subwoofer.
  - When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

## Setting of Dolby Digital

### Adjusting the speaker levels

The test tones help to make the volume adjustments of the different speakers. When levels are equal, a strong sense of presence can be heard from the different speakers at the listening position.

- Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if the decode mode is switched.

- 1 Check that Defeat mode is of f (page 19).
- 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
- 3 Select the 5.1CH SETUP mode by pressing **CENTER f.** repeatedly .
- 4 Select OUTPUT LEVEL by pressing **◀◀** or **▶▶**.
- 5 Press the **Rotary encoder** to select the speaker to be adjusted.  
The test tone is produced by the selected speaker.
- 6 Adjust the output level by turning and then pressing the **Rotary encoder**.
- 7 Adjust each volume level for optimum balance by repeating steps 5 and 6.
  - The adjustment range for the different speakers is -10 dB - +10 dB.
  - Adjust based on the front speakers.
- 8 When the setting is complete, press and hold **CENTER f.** for at least 2 seconds.  
The unit returns to the normal mode.  
Press **CENTER f.** to select another item to be set.
  - If a speaker is set to off mode, that speaker's level adjustment cannot be made. Refer to "Speaker Setup" (page 34).
  - When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

### Mixing bass sound to the rear channel

This function mixes the front channel audio signals to the audio signals output from the rear speakers, improving the sound in the vehicle's rear seat.

- Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if the Decode mode is switched.

- 1 Check that Defeat mode is of f (page 19).
- 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
- 3 Select the 5.1CH SETUP mode by pressing **CENTER f.** repeatedly .
- 4 Select REAR MIX by pressing **◀◀** or **▶▶**.
- 5 Select REAR MIX ON/OFF by turning and then pressing the **Rotary encoder**.  
If ON is set, the audio signal which is output from the rear speaker is mixed to the front audio signal.
- 6 Adjust the level (LEVEL) by turning and then pressing the **Rotary encoder**.  
The level can adjusted in five steps: -6, -3, 0, +3 and +6. The higher the level, the more bass is output from the rear speakers. (The effect differs according to the software (DVD, etc..))
- 7 When the setting is complete, press and hold **CENTER f.** for at least 2 seconds.  
The unit returns to the normal mode.  
Press **CENTER f.** to select another item to be set.
  - This adjustment is ineffective when the rear speaker setup setting is set to "OFF"
  - For linear PCM signals, the voice is output from the rear speaker regardless of the REAR FILL and REAR MIX setting.
  - When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

### Adjusting the acoustic image

In most installations, the centre speaker must be placed directly between the front passenger and driver. Using this function, the centre channel information is distributed to the left and right speakers. This creates an acoustic image simulating a centre speaker directly in front of each listener. Adjusting the centre width in PL II MUSIC (see "Using the Pro Logic II Mode," page 36), makes this function ineffective.

- Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if the Decode mode is switched.

- 1 Check that Defeat mode is of f (page 19).
- 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
- 3 Select the 5.1CH SETUP mode by pressing **CENTER f.** repeatedly .
- 4 Select BI-PHANTOM by pressing **◀◀** or **▶▶**.
- 5 Select BI-PHANTOM ON/OFF by turning and then pressing the **Rotary encoder**.  
If ON is set, the soundstage created is as if you are positioned directly in front of the centre speaker by distributing the centre speaker sound left and right.

Continued

- 6 Adjust the level (LEVEL) by turning and then pressing the Rotary encoder.**  
The level can be adjusted within the range of -5 to +5. The higher the level, the more the position of the centre speaker is shifted to the sides.

- 7 When the setting is complete, press and hold CENTER f. for at least 2 seconds.**  
The unit returns to the normal mode.  
Press CENTER f. to select another item to be set.

- This adjustment is effective when the setting of the centre speaker to SMALL or LARGE in the speaker setup settings.
- This adjustment is ineffective when the speaker is set to CENTER OFF in "Setting the Speakers" (page 30).
- When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

### Achieving powerful high volume sound

With Dolby Digital, the dynamic range is compressed so that powerful sound can be achieved at regular volume levels. This compression can be cancelled to achieve an energetic sound with even greater power, like the sound in a movie theatre.  
This function works only in the Dolby Digital mode.

- 1 Check that Defeat mode is off (page 19).**
- 2 Press and hold CENTER f. for at least 2 seconds.**  
The audio processor control mode is activated.
- 3 Select the 5.1CH SETUP mode by pressing CENTER f. repeatedly .**
- 4 Select LISTEN MODE by pressing I◀◀ or ▶▶I.**
- 5 Select STANDARD or MAXIMUM by turning and then pressing the Rotary encoder.**  
STANDARD: For powerful sound at regular volume levels  
MAXIMUM: For powerful sound at high volumes
- 6 When the setting is complete, press and hold CENTER f. for at least 2 seconds.**  
The unit returns to the normal mode.  
Press CENTER f. to select another item to be set.
- Keep the volume to a level at which sounds outside the vehicle can still be heard.
  - When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

### Adjusting the DVD Level

The volume (signal level) for Dolby Digital, Dolby PL II, DTS and PCM modes can be set.

- Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if the Decode mode is switched.

- 1 Check that Defeat mode is off (page 19).**
- 2 Press and hold CENTER f. for at least 2 seconds.**  
The audio processor control mode is activated.
- 3 Select the DVD LEVEL mode by pressing CENTER f. repeatedly .**

- 4 Press the Rotary encoder to select the mode to be adjusted.**  
DOLBY D → PL II → DTS → PCM → DOLBY D

- 5 Adjust the level (LEVEL) by turning and then pressing the Rotary encoder.**  
The level can be adjusted in the range of -5 to +5.

- 6 When the setting is complete, press and hold CENTER f. for at least 2 seconds.**  
The unit returns to the normal mode.  
Press CENTER f. to select another item to be set.

- When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

### Using the Pro Logic II Mode

Pro Logic processing can be conducted on the music signals recorded on two channels to achieve Dolby Pro Logic II surround sound. For two-channel Dolby Digital and DTS signals, there is also a "REAR FILL" function for outputting the signals of the front channel to the rear channel.

- 1 Check that Defeat mode is off (page 19).**
- 2 Press and hold CENTER f. for at least 2 seconds.**  
The audio processor control mode is activated.
- 3 Select the DOLBY PL II mode by pressing CENTER f. repeatedly .**
- 4 Select the desired mode by pressing I◀◀ or ▶▶I.**
- MOVIE MODE:**  
Suits the stereo TV shows and all programs encoded in Dolby Surround. It improves the sound field directivity to near that of discrete 5.1-channel sound.
- MUSIC MODE:**  
Can be used for all stereo music recordings, and provides a wide, deep sound field.
- REAR FILL ON:**  
Depending on the input signals, the sound may only be output from the front speakers. In this case, the "REAR FILL" function can be used to output signals from the rear speakers as well.
- OFF:** Turns DOLBY PL II function to OFF.

If **MUSIC MODE** is selected, the centre width can be adjusted with following operations.

This function offers the optimum vocal position by adjusting the centre channel position between the centre speaker and the L/R speaker. (The adjustments established in "Adjusting the acoustic image" (page 35) are ineffective while this function is activated.)

- 1) Select CTW\_CONT ON/OFF by turning and then pressing the **Rotary encoder** .  
If ON is set, you can enjoy the optimum vocal position by distributing the centre channel sound between the centre speaker and L/R speaker.
- 2) Adjust the level (LEVEL) by turning and then pressing the **Rotary encoder** .

The level can be adjusted between 0 to 7. When the level increases, the centre channel position moves from the centre speaker position to both sides.

## 5 When the setting is complete, press and hold **CENTER f.** for at least 2 seconds.

The unit returns to the normal mode.  
Press **CENTER f.** to select another item to be set.

- This adjustment is effective when the setting of the centre speaker is **SMALL** or **LARGE** in the speaker setup settings.
- Avoid stopping, pausing, switching the disc, cueing, fast-forwarding or switching the audio channel of this unit while making this adjustment. The setting is cancelled if the **Decode mode** is switched.
- This adjustment is ineffective when the speaker is set to **CENTER OFF** in "Setting the Speakers" (page 30).
- This function only works with two-channel signals. This operation is ineffective when 5.1-channel **DTS** or **Dolby Digital** signals are input.
- If the setting of **REAR FILL** is made when **REAR MIX** is ON, sound is unchanged in the rear fill setting because **REAR MIX** is given priority during 2 channel decoder other than linear PCM.
- For linear PCM signals, the voice is output from the rear speaker regardless of the **REAR FILL** and **REAR MIX** setting.
- When the setting is complete, it is recommended to store the setting contents. For storing, refer to page 37.

## Linear PCM Setting

The output when playing discs recorded in linear PCM can be set to 2 or 3 channels.

- 1 Check that **Defeat mode** is off (page 19).
- 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
- 3 Select the PCM mode by pressing **CENTER f.** repeatedly .
- 4 Select **2CH** or **3CH** by turning and then the **Rotary encoder**.

2CH: 2ch output (L/R)  
3CH: 3ch output (L/R/CENTER)

## 5 When the setting is complete, press and hold **CENTER f.** for at least 2 seconds.

The unit returns to the normal mode.  
Press **CENTER f.** to select another item to be set.

- This adjustment is ineffective when the speaker is set to **CENTER OFF** in "Setting the Speakers" (page 30).

## Storing Settings in the Memory

Up to 6 set and adjusted contents can be stored on the unit.

All that are setting and adjusting items described below are stored in one preset memory.

| Setting/adjusting items  | Refer to page |
|--|---------------|
| Setting the Speakers   | 30            |
| Setting Time Correction/Switching Phase/<br>Setting the Bass Focus | 31, 32, 34    |
| Adjusting EQ   | 32, 33        |
| Adjusting X-OVER   | 30            |
| Setting MX   | 30            |
| Setting BASS COMP.   | 34            |
| Setting PRO LOGIC II/Adjusting the<br>Centre Width*                | 36, 37        |
| Adjusting Dolby Surround*  | 35            |
| Linear PCM Setting*  | 37            |

\* Depending on the input signal, sound effect may not be obtained.

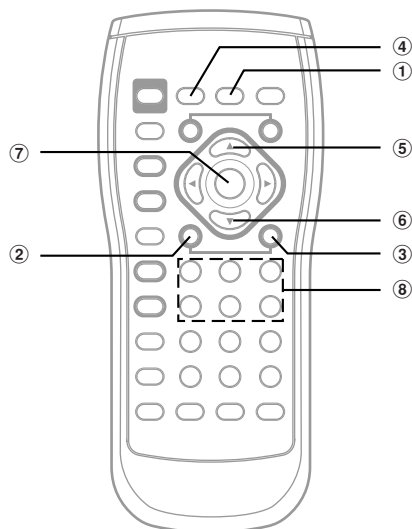
- 1 Adjust and set the value to be stored.
- 2 Press and hold for at least 2 seconds any one of the **preset buttons (1 through 6)** into which you want to store the set/adjusted value as **preset memory (MEMOR Y1 through MEMOR Y6)**.

- This function is operable only when **Defeat** is set to **OFF**.
- The stored contents will not be deleted even when battery power cord is detached.

## Getting out the Preset Memory

- 1 Check that **Defeat mode** is off (page 19).
- 2 Press and hold **CENTER f.** for at least 2 seconds.  
The audio processor control mode is activated.
- 3 Select the mode to be set by pressing **CENTER f.** repeatedly .
- 4 Press any one of the buttons to select the **preset memory (MEMOR Y1 through MEMOR Y6)** you want to recall.  
It takes a few moment to get out the preset memory.

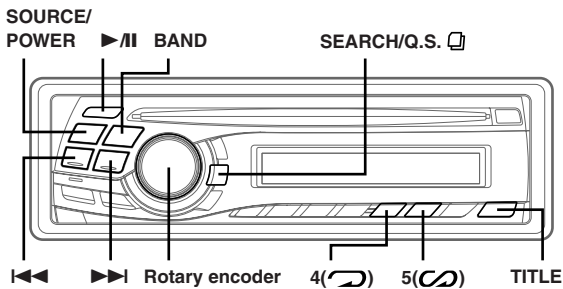
## Remote Control Operation



|   | Remote Control Button Name | Function   | Unit Button             |
|---|----------------------------|--|-------------------------|
| ① | A.PROC                     | Recalls the audio processor mode                               | CENTER f.               |
| ② | ◀◀                         | Changes the adjusting item                                     | ◀◀                      |
| ③ | ▶▶                         | Changes the adjusting item                                     | ▶▶                      |
| ④ | BAND                       | Switches L+R or L/R  | BAND                    |
| ⑤ | ▲                          | Adjusts the selected setting item and changes the set contents | Rotary encoder (Turn)   |
| ⑥ | ▼                          | Adjusts the selected setting item and changes the set contents | Rotary encoder (Turn)   |
| ⑦ | ENT.                       | Changes the setting item in the selected setting item          | Rotary encoder (Press)  |
| ⑧ | Numeric Keypad (1 to 6)    | Stores/Recalls setting value                                   | Preset buttons (1 to 6) |



# iPod™ (Optional)



An iPod™ or iPod™ mini can be controlled from the DVA-9860R, when connected to an optional Alpine Interface Adapter for iPod™ (KCA-420i). While connected to the DVA-9860R through the KCA-420i, the controls on the iPod™ are disabled.

- For details, refer to the Owner's Manual of the connected adapter (KCA-420i).
- For each function, refer to the iPod's documentation.

## Playback

**1 Press SOURCE/POWER to switch to the iPod mode.**

**2 Press ◀◀ or ▶▶ to select the desired song.**

**Return to the beginning of the current song:**  
Press ◀◀.

**Fast backward:**  
Press and hold ◀◀.

**Advance to the beginning of the next song:**  
Press ▶▶.

**Fast forward:**  
Press and hold ▶▶.

**3 To pause playback, press ▶/II.**  
Pressing ▶/II again will resume playback.

- If a song is playing on the iPod when it is connected to the DVA-9860R, it will continue playing after the connection.
- If using the iPod with a changer, the Versatile Link Terminal (KCA-410C) must be used. In this case, press **BAND** to select the changer mode applicable to the iPod.

## Searching for a desired Song

An iPod can contain hundreds of songs. By keeping these songs organized in playlists, the DVA-9860R can use these to ease song searches.

### Searching by Playlist

**1 Press SEARCH/Q.S. to select a PLAYLIST search mode.**

Each press changes the search mode.

The search mode is automatically changed to the PLAYLIST search mode 4 seconds after PLAYLIST has been selected.

PLAYLIST → ARTIST → ALBUM → PLAYLIST

**2\*1 Turn the Rotary encoder within 10 seconds, and select a playlist.**

**3 Press the Rotary encoder to play back a selected playlist.**

### To search for a song in the selected playlist

1 After selecting the playlist in step 2<sup>1</sup>, press SEARCH/Q.S. to change to the song search mode of the selected playlist.

2 Turn the Rotary encoder within 10 seconds to select a song and press the Rotary encoder.  
The selected song is played back.

- Press and hold SEARCH/Q.S. for at least 2 seconds in the search mode to cancel the search mode.
- All songs in the iPod are played back by selecting the stored "iPod name" in step 2<sup>1</sup>.
- Playlist search cannot be made during M.I.X. play.

### Searching by artist name

**1 Press SEARCH/Q.S. to select an ARTIST search mode.**

Each press changes the search mode.

The search mode is automatically changed to the ARTIST search mode 4 seconds after ARTIST has been selected.

PLAYLIST → ARTIST → ALBUM → PLAYLIST

**2\*2 Turn the Rotary encoder within 10 seconds, and select an artist.**

**3 Press the Rotary encoder to play back all songs of the selected artist.**

### To search for an album of the selected artist

1 After selecting the artist in step 2<sup>2</sup>, press SEARCH/Q.S. to change to the album search mode of the selected artist.





2\*3 Turn the Rotary encoder within 10 seconds to select an album.

3 Press the Rotary encoder to play back all songs of the selected album.

*Continued*



## To search for a song of the selected album

- 1 After selecting the album in step 2<sup>3</sup>, press **SEARCH/Q.S.**  to change to the song search mode of the selected album.
  - 2 Turn the **Rotary encoder** within 10 seconds to select a song and press the **Rotary encoder**.  
The selected song is played back.
- Press and hold **SEARCH/Q.S.**  for at least 2 seconds in the search mode to cancel the search mode.
  - If you choose **ALL** in step 2<sup>2</sup>, and you press the **Rotary encoder**, all songs in iPod are played back. If you choose **ALL**, and you press **SEARCH/Q.S.** , the **ALBUM** search mode for all artists is activated.
  - If you choose **ALL** in step 2<sup>3</sup>, and you press the **Rotary encoder**, all songs of the selected artist are played back. If you choose **ALL**, and you press **SEARCH/Q.S.** , the **SONG** search mode for the selected artist is activated.
  - Artist name search cannot be made during **M.I.X.** play.

## Searching by album name

### 1 Press **SEARCH/Q.S.** to select an **ALBUM** search mode.

Each press changes the search mode.




The search mode is automatically changed to the **ALBUM** search mode 4 seconds after **ALBUM** has been selected.

PLAYLIST → ARTIST → ALBUM → PLAYLIST

### 2\* Turn the **Rotary encoder** within 10 seconds, and select an album.

### 3 Press the **Rotary encoder** to play back all songs of the selected album.

## To search for a song of the selected album

- 1 After selecting the album in step 2\*, press **SEARCH/Q.S.**  to change to the song search mode of the selected album.
  - 2 Turn the **Rotary encoder** within 10 seconds to select a song and press the **Rotary encoder**.  
The selected song is played back.
- Press and hold **SEARCH/Q.S.**  for at least 2 seconds in the search mode to cancel the search mode.
  - If you choose **ALL** in step 2\*, and you press the **Rotary encoder**, the search mode is cancelled. If you choose **ALL**, and you press **SEARCH/Q.S.** , the **SONG** search mode for all albums is activated.
  - Album name search cannot be made during **M.I.X.** play.


## Quick Search

You can search for songs.

### 1 Press and hold **SEARCH/Q.S.** for at least 2 seconds to activate **Quick Search** mode.

### 2 Turn the **Rotary encoder** within 10 seconds to select a desired song.

The selected song is played back immediately.

- Press and hold **SEARCH/Q.S.**  for at least 2 seconds in the search mode to cancel the search mode.
- The **Quick search** in the iPod mode takes more time than the normal **Quick search**.

## Random Play Shuffle (M.I.X.)

The Shuffle function of the iPod is displayed as **M.I.X.** on the DVA-9860R.

### Shuffle Albums:

Select an album randomly in the iPod, and plays back the songs of the album in sequential order. If a song has been selected in the playlist/artist search mode before selecting **Shuffle Album**, only the albums within the playlist/artist are selected randomly. The songs of the album are played back sequentially.

### Shuffle Songs:

All songs in the iPod are played back in random sequence. If a song has been selected in the playlist/artist search mode before selecting **Shuffle song**, only the songs of the playlist/artist/album are played back randomly.

### 1 Press 5 .

The songs will be played back in random sequence.

 M.I.X. →  M.I.X. → (off) →  M.I.X.  
(Shuffle Albums) (Shuffle Songs)

### 2 To cancel **M.I.X.** play, select (off) with the above procedure.

- For details of the search mode, refer to "Searching for a desired Song" (page 39).
- If a song is selected in the album search mode before selecting **Shuffle (M.I.X.)**, the songs will not play back randomly even when **Shuffle album** is selected.
- If there is no album in the playlist, **Shuffle (M.I.X.)** will not function even when **Shuffle album** is selected.

---

## Repeat Play

---

Only Repeat One is available for the iPod.

Repeat One: A single song is repeatedly played back.

### 1 Press 4 (↻).

The file will be played repeatedly.

RPT ←————→ (off)  
(Repeat One)

### 2 To cancel repeat play, select (off) with the above procedure.

- During repeat playback, no other songs are selectable by pressing ◀◀ or ▶▶.

---

## Displaying the Text

---

You can display the tag information of a song in the iPod.

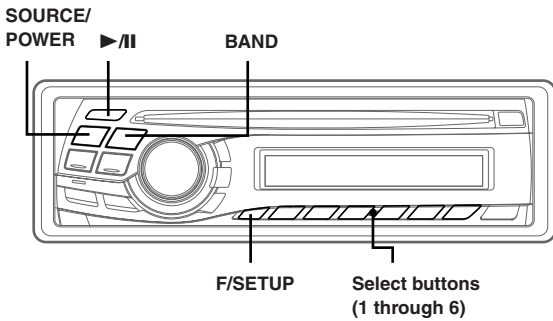
### Press **TITLE**.

Each press changes the display.

IPOD/Elapsed Time → Artist Name\* → Album Name\*  
→ Song Title\* → IPOD/Elapsed Time

- \* “NO DATA” is displayed if there is no tag information.
- When the Scroll Setting (page 23) is set to “SCROLL MANU,” press and hold **TITLE** for at least 2 seconds to scroll the tag information only once.
- Only alphanumeric characters (ASCII) can be displayed.
- If the artist, album or song name, created in iTunes, has too many characters, songs may not be played back when connected to the adapter. Therefore, a maximum of 250 characters is recommended. The maximum number of characters for the head unit is 64 (64 byte).
- Some characters may not be correctly displayed.
- “NO SUPPORT” is displayed when text information is not compatible with the DVA-9860R.

# Changer (Optional)



## Controlling CD Changer (Optional)

An optional 6-disc or 12-disc CD Changer may be connected to this unit if it is Ai-NET compatible. With a CD Changer connected to the Ai-NET input of this unit, the CD Changer will be controllable from this unit.

Using the KCA-400C (Multi-Changer Switching device) or the KCA-410C (Versatile Link Terminal) multiple changers can be controlled by this unit.

See "Multi-Changer Selection" on this page for selecting the CD Changers.

- The controls on this unit for CD Changer operation are operative only when a CD Changer is connected.
- The DVD changer (optional) is controllable from this unit as well as the CD changer.

### 1 Press SOURCE/POWER to activate the CHANGER mode.

The display shows the disc number and track number.

- The source indicator varies depending on the connected source.
- Press **BAND** to switch the Disc mode in the Changer mode.

### 2 Press the disc select buttons (1 through 6) corresponding to one of the discs loaded in the CD Changer.

The selected disc number appears in the display and CD playback starts.

- After selecting the desired disc, you can operate in the same way as for the CD player of this unit.  
For details, please see the CD/MP3/WMA section.
- If the "F" indicator is illuminated, the disc select buttons become nonfunctional.

#### When a 12-disc CD Changer is connected:

To select discs numbered from 1 to 6, the procedure is the same as for the 6-disc CD Changer. To select discs numbered from 7 to 12, first press F/SETUP to choose the disc select mode (7 to 12). This changes the "D" indicator to "d". Then press the desired select button. The select buttons 1 to 6 will represent discs 7 to 12 respectively.

## Playing MP3 Files with the CD Changer (Optional)

If you connect a changer compatible with MP3, you can play CD-ROMs, CD-Rs, and CD-RWs containing MP3 files on this unit.

### 1 Press SOURCE/POWER to switch to the MP3 Changer mode.

### 2 Press any one of the disc select buttons (1 through 6) corresponding to one of the discs loaded in the CD Changer.

### 3 To pause playback, press ►/II. Pressing ►/II again will resume playback.

- The unit can play discs containing both audio data and MP3 data.
- For operating MP3 with an MP3 compatible CD Changer, refer to "CD/MP3/WMA" pages 11 to 14.

## Multi-Changer Selection (Optional)

Alpine's Ai-NET system will support up to 6 CD Changers. When operating two or more changers, the KCA-400C (Multi-Changer Switching device) must be used. If you use 1 Switching device, you can connect up to 4 CD Changers. If you use 2 Switching devices, you can connect up to 6 CD Changers. When using KCA-410C (Versatile Link Terminal), you can connect two changers and two external outputs (AUX).

### 1 Press SOURCE/POWER on this unit to activate the CD Changer mode.

### 2 Press BAND to activate the CD Changer Selection mode.

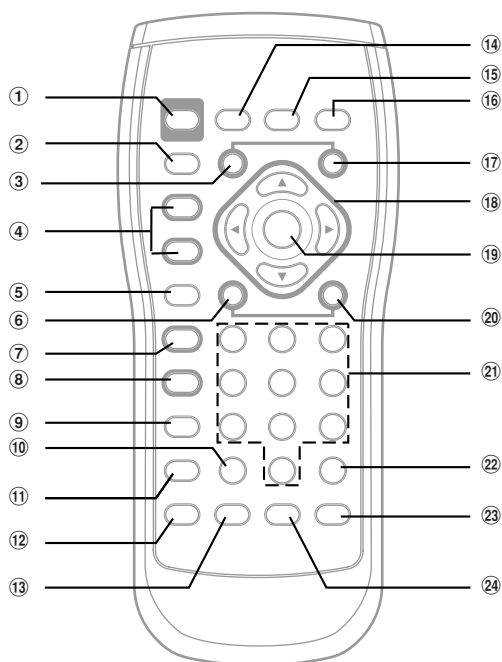
The CD Changer Selection mode remains active for several seconds.

### 3 Press BAND until the desired CD Changer indicator appears on the display.

- If the selected CD Changer is not connected, the display will show "NO CHGR."
- To operate the selected changer, see "CD/MP3/WMA" (page 11-14).
- For further details about the external input (AUX) when using KCA-410C, see "Setting the AUX Mode (V-Link)" on page 24.

# Remote Control

## Controls on Remote Control



- ① **PWR Button**  
Turns the power ON and OFF.
- ② **SRC Button**  
Selects the audio source.
- ③ **DN Button**  
Radio mode: Selects, in descending order, stations programmed into the radio's presets.  
MP3/WMA mode:  
Folder Select (DN) Button selects the folder.  
Changer mode:  
DISC Select (DN) Button selects a disc in descending order.
- ④ **VOLUME ▲ / ▼ Button**  
Increase or decreases the volume level.
- ⑤ **RETURN Button**  
DVD/Video CD (PBC ON) mode: Returns to the previous display. (Does not return in some discs.)
- ⑥ **◀◀ Button**  
Radio mode: SEEK (DN) button  
CD /Changer mode:  
Press the button to go back to the beginning of the current track. Press and hold to fast reverse.  
MP3/WMA mode:  
Press the button to go back to the beginning of the current file. Press and hold to fast reverse.  
DVD/Video CD: • Move to the desired position on the disc.  
• During playback, press and hold for more than 1 second to reverse the disc at double speed. Hold for more than 5 seconds to reverse the disc at 8 times the normal speed.

- DVD:
- When pressed and held in while in the pause mode, the disc is played in reverse slow motion at 1/8th the normal speed. When held in for 5 more seconds, the reverse slow motion speed switches to 1/2 the normal speed.
  - The picture is reversed by one frame each time the button is pressed in the pause mode.

- ⑦ **▶/|| Button**  
Switches between play and pause.  
**SEARCH Button**  
MP3/WMA mode: Pressing more than 2 seconds, activates the Folder/File Name Search mode.
- ⑧ **■ Button**  
Performs stop.  
DVD/Video CD: Pressing once sets the PRE- STOP; Pressing twice sets stop.
- ⑨ **MENU Button**  
DVD mode: Shows the menu display.
- ⑩ **CLR Button**  
Removes numbers (one character at a time) that have been selected and input.  
Press and hold for 2 seconds. All the characters which were selected and input are erased.
- ⑪ **DISP/TOP M. Button**  
DVD/Video CD mode:  
Shows playback status.  
DVD mode: By pressing more than 2 seconds, shows the menu display.
- ⑫ **SETUP Button**  
DVD SETUP list display appears.
- ⑬ **AUDIO Button**  
DVD/Video CD mode: Switches audio.
- ⑭ **BAND Button**  
Radio mode: Changes the band.  
CD/Changer mode:  
Switches the disc mode.
- ⑮ **A.PROC Button**  
Press the button to call the audio processor list.
- ⑯ **MUTE Button**  
Lowers the volume by 20 dB instantly. Press the button again to cancel.
- ⑰ **UP Button**  
Radio mode: Selects, in ascending order, stations programmed into the radio's presets.  
MP3/WMA mode:  
Folder Select (UP) Button to selects the folder.  
Changer mode:  
DISC Select (UP) Button selects a disc in ascending order.
- ⑱ **▲, ▼, ◀, ▶**  
Selects an item displayed in the screen.
- ⑲ **ENT. Button**  
Enters the selected item.
- ⑳ **▶▶ Button**  
Radio mode: SEEK (UP) button  
CD/Changer mode:  
Press the button to advance to the beginning of the next track. Press and hold to fast forward.  
MP3/WMA mode:  
Press the button to advance to the beginning of the next file. Press and hold to fast forward.

Continued

DVD/Video CD:

- Move to the desired position on the disc.
- During playback, press and hold for more than 1 second to forward the disc at double speed. Hold for more than 5 seconds to forward the disc at 8 times the normal speed.
- When pressed and held in while in the pause mode, the disc is played in slow motion at 1/8th the normal speed. When held in for 5 more seconds, the slow motion speed switches to 1/2 the normal speed.
- The picture is forwarded by one frame each time the button is pressed in the pause mode.

⑳ **Numeric Keypad**

Inputs numbers.

㉑ **MONITOR Button**

Switches the input mode of the connected monitor (sold separately)

㉒ **ANGLE Button**

DVD mode: Switches the angle of the picture.

㉓ **SUBTITLE Button**

DVD mode: Switches the subtitle.

## When Using the Remote Control

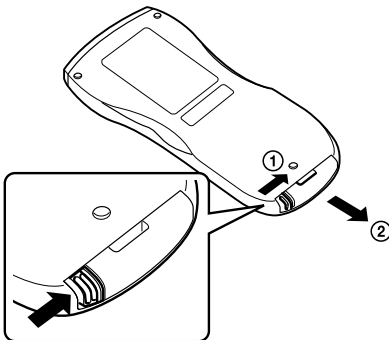
- Point the remote control at the remote sensor within about 2 meters.
- It may not be possible to operate the remote control if the remote control sensor is exposed to direct sunlight.
- The remote control is a small, lightweight precision device. To avoid damage, short battery life, operational errors and poor response, observe the following.
  - Do not subject the remote control to excessive shock.
  - Do not put in a trouser pocket.
  - Keep away from food, moisture and dirt.
  - Do not place in direct sunshine.

## Battery Replacement

Battery type: CR2025 battery or equivalent.

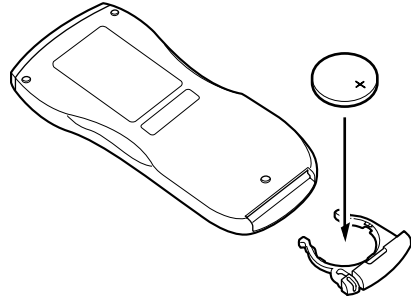
### 1 Opening the battery case

Slide out the battery cover while firmly pressing in the direction of the arrow.



### 2 Replacing the battery

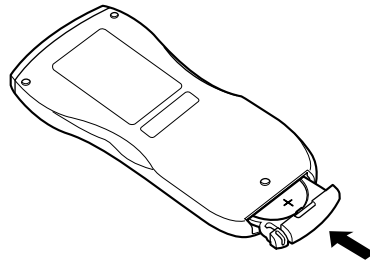
Put the battery in the case with the (+) indication upward as shown in the illustration.



- Placing a battery in backwards way may cause a malfunction.

### 3 Closing the cover

Slide the cover as illustrated until a click is heard.



### ⚠ Warning

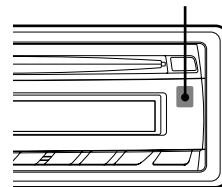
**DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.**

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

#### Controllable With Remote Control

Point the optional remote control transmitter at the remote control sensor.

#### Remote control sensor



#### Connectable to Remote Control Interface Box

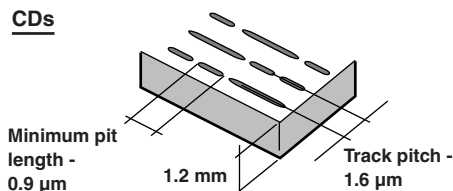
You can operate this unit from the vehicle's control unit when an Alpine Remote Control Interface Box (optional) is connected. For details, contact your Alpine dealer.

# Information

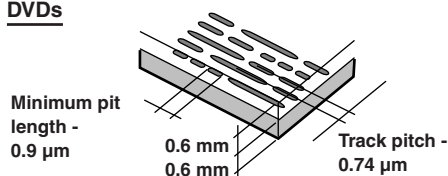
## About DVDs

Music CDs and DVDs have grooves (tracks) in which the digital data is recorded. The data is represented as microscopic pits recorded into the track – these pits are read by a laser beam to play the disc. On DVDs, the density of the tracks and pits is twice that of CDs, so DVDs can contain more data in less space.

### CDs



### DVDs



A 12 cm disc can contain one movie or about four hours of music. In addition, DVDs provide sharp picture quality with vivid colours thanks to a horizontal resolution of over 500 lines (compared to less than 300 for VHS tape). With the addition of an optional, digital audio processor (PXA-H900, PXA-H510, PXA-H701, etc.), you can recreate the power and presence of a movie theatre with Dolby Digital 5.1-channel Surround.

### In addition, DVDs offer a variety of functions.

- **Multiple audio\*** (page 17)  
Movies can be recorded in up to eight languages. The desired language can be selected from the remote control.
  - **Subtitles function\*** (page 18)  
Movies can include subtitles in up to 32 languages. The desired subtitle language can be selected from the remote control.
  - **Multi angle function\*** (page 18)  
When the DVD contains a movie shot from multiple angles, the desired angle can be selected from the remote control.
  - **Multi story function\***  
With this function, a single movie includes various story lines. You can select different story lines to view various versions of the same movie. Operation differs from disc to disc. Story line selection screens including instructions appear during the movie. Just follow the instructions.
- \* *The functions, audio languages, subtitle languages, angles, etc., differ from disc to disc. For details, refer to the disc's instructions.*

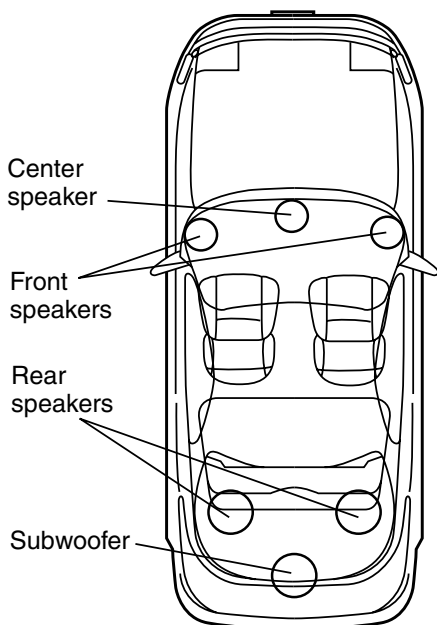
## Terminology

### Dolby Digital

Dolby Digital is a digital audio compression technology developed by Dolby Laboratories that allows large quantities of audio data to be efficiently recorded on discs. It is compatible with audio signals from mono (1 channel) all the way up to 5.1-channel surround sound. The signals for the different channels are completely independent, and since the sound is high quality digital there is no loss of sound quality.

\* *The separately sold digital audio processor (PXA-H510, PXA-H900, PXA-H701, etc.) is required to enjoy full 5.1-channel surround sound.*

The DVA-9860R performs Dolby Digital decoding when it outputs analog audio signals; 2-channel audio, not 5.1-channel.



**Speaker layout for enjoying Dolby Digital sound/dts sound**

### DTS

This is a home-use digital sound format of the DTS Sound System. This is a high quality sound system, developed by Digital Theater Systems, Inc. for use in movie theatres. DTS has six independent sound tracks. The theatre presentation is fully realized in the home, etc. DTS is the abbreviation for Digital Theater System.

\* *To enjoy DTS surround sound you need the separately sold DTS digital audio processor (PXA-H900, PXA-H701, etc.). The DVD video software must also have a DTS sound track.*

The DVA-9860R has a built-in DTS 2-channel audio decoder. Analog audio outputs are available.

### Dolby Pro Logic

Dolby Pro Logic is the technology used to decode programs encoded in Dolby Surround. Pro logic decoding will provide you with four channels of sound (front left/right, centre and monaural rear surround) from a 2-channel (stereo) source.

\* *The separately sold digital audio processor (PXA-H510, PXA-H900) is required to enjoy Dolby Pro Logic surround sound.*

### Dolby Pro Logic II

Dolby Pro Logic II plays 2-channel sources in 5 channels over the entire frequency range.

This is done with an advanced, high sound quality matrix surround decoder which draws out the spatial properties of the original recording without adding any sounds to or changing the sound of the source.

\* *The separately sold digital audio processor (PXA-H701, etc.) is required to enjoy Dolby Pro Logic II surround sound.*

### Linear PCM audio (LPCM)

LPCM is a signal recording format used for music CDs. Whereas music CDs are recorded at 44.1 kHz/16 bits, DVDs are recorded at 48 kHz/16 bits to 96 kHz/24 bits, thereby achieving higher sound quality than music CDs.

### Rating levels (parental lock)

This is a DVD function for restricting the viewing age as stipulated by censorship laws in different countries. The way in which viewing is restricted differs from DVD to DVD. Sometimes the DVD cannot be played at all, other times certain scenes are skipped, and other times certain scenes are replaced with other scenes.



## List of Language Codes

(For details, see page 25.)

| Abbreviation | Code | Language        | Abbreviation | Code | Language         | Abbreviation | Code | Language       |
|--------------|------|-----------------|--------------|------|------------------|--------------|------|----------------|
| AA           | 6565 | Afar            | IE           | 7369 | Interlingue      | RN           | 8278 | Kirundi        |
| AB           | 6566 | Abkhazian       | IK           | 7375 | Inupiak          | RO           | 8279 | Romanian       |
| AF           | 6570 | Afrikaans       | IN           | 7378 | Indonesian       | RU           | 8285 | Russian        |
| AM           | 6577 | Amharic         | IS           | 7383 | Icelandic        | RW           | 8287 | Kinyarwanda    |
| AR           | 6582 | Arabic          | IT           | 7384 | Italian          | SA           | 8365 | Sanskrit       |
| AS           | 6583 | Assamese        | IW           | 7387 | Hebrew           | SD           | 8368 | Sindhi         |
| AY           | 6589 | Aymara          | JA           | 7465 | Japanese         | SG           | 8371 | Sangho         |
| AZ           | 6590 | Azerbaijani     | JI           | 7473 | Yiddish          | SH           | 8372 | Serbo-Croatian |
| BA           | 6665 | Bashkir         | JW           | 7487 | Javanese         | SI           | 8373 | Singhalese     |
| BE           | 6669 | Byelorussian    | KA           | 7565 | Georgian         | SK           | 8375 | Slovak         |
| BG           | 6671 | Bulgarian       | KK           | 7575 | Kazakh           | SL           | 8376 | Slovenian      |
| BH           | 6672 | Bihari          | KL           | 7576 | Greenlandic      | SM           | 8377 | Samoaan        |
| BI           | 6673 | Bislama         | KM           | 7577 | Cambodian        | SN           | 8378 | Shona          |
| BN           | 6678 | Bengali, Bangla | KN           | 7578 | Kannada          | SO           | 8379 | Somali         |
| BO           | 6679 | Tibetan         | KO           | 7579 | Korean           | SQ           | 8381 | Albanian       |
| BR           | 6682 | Breton          | KS           | 7583 | Kashmiri         | SR           | 8382 | Serbian        |
| CA           | 6765 | Catalan         | KU           | 7585 | Kurdish          | SS           | 8383 | Siswati        |
| CO           | 6779 | Corsican        | KY           | 7589 | Kirghiz          | ST           | 8384 | Sesotho        |
| CS           | 6783 | Czech           | LA           | 7665 | Latin            | SU           | 8385 | Sundanese      |
| CY           | 6789 | Welsh           | LN           | 7678 | Lingala          | SV           | 8386 | Swedish        |
| DA           | 6865 | Danish          | LO           | 7679 | Laothian         | SW           | 8387 | Swahili        |
| DE           | 6869 | German          | LT           | 7684 | Lithuanian       | TA           | 8465 | Tamil          |
| DZ           | 6890 | Bhutani         | LV           | 7686 | Latvian, Lettish | TE           | 8469 | Telugu         |
| EL           | 6976 | Greek           | MG           | 7771 | Malagasy         | TG           | 8471 | Tajik          |
| EN           | 6978 | English         | MI           | 7773 | Maori            | TH           | 8472 | Thai           |
| EO           | 6979 | Esperanto       | MK           | 7775 | Macedonian       | TI           | 8473 | Tigrinya       |
| ES           | 6983 | Spanish         | ML           | 7776 | Malayalam        | TK           | 8475 | Turkmen        |
| ET           | 6984 | Estonian        | MN           | 7778 | Mongolian        | TL           | 8476 | Tagalog        |
| EU           | 6985 | Basque          | MO           | 7779 | Moldavian        | TN           | 8478 | Setswana       |
| FA           | 7065 | Persian         | MR           | 7782 | Marathi          | TO           | 8479 | Tonga          |
| FI           | 7073 | Finnish         | MS           | 7783 | Malay            | TR           | 8482 | Turkish        |
| FJ           | 7074 | Fiji            | MT           | 7784 | Maltese          | TS           | 8483 | Tsonga         |
| FO           | 7079 | Faroese         | MY           | 7789 | Burmese          | TT           | 8484 | Tatar          |
| FR           | 7082 | French          | NA           | 7865 | Nauru            | TW           | 8487 | Twi            |
| FY           | 7089 | Frisian         | NE           | 7869 | Nepali           | UK           | 8575 | Ukrainian      |
| GA           | 7165 | Irish           | NL           | 7876 | Dutch            | UR           | 8582 | Urdu           |
| GD           | 7168 | Scots Gaelic    | NO           | 7879 | Norwegian        | UZ           | 8590 | Uzbek          |
| GL           | 7176 | Galician        | OC           | 7967 | Occitan          | VI           | 8673 | Vietnamese     |
| GN           | 7178 | Guarani         | OM           | 7977 | (Afan) Oromo     | VO           | 8679 | Volapuk        |
| GU           | 7185 | Gujarati        | OR           | 7982 | Oriya            | WO           | 8779 | Wolof          |
| HA           | 7265 | Hausa           | PA           | 8065 | Punjabi          | XH           | 8872 | Xhosa          |
| HI           | 7273 | Hindi           | PL           | 8076 | Polish           | YO           | 8979 | Yoruba         |
| HR           | 7282 | Croatian        | PS           | 8083 | Pashto, Pushto   | ZH           | 9072 | Chinese        |
| HU           | 7285 | Hungarian       | PT           | 8084 | Portuguese       | ZU           | 9085 | Zulu           |
| HY           | 7289 | Armenian        | QU           | 8185 | Quechua          |              |      |                |
| IA           | 7365 | Interlingua     | RM           | 8277 | Rhaeto-Romance   |              |      |                |

## List of Country Codes

(For details, see page 26.)

| Abbreviation | Code | Country                               | Abbreviation | Code | Country                                      | Abbreviation | Code | Country                                    |
|--------------|------|---------------------------------------|--------------|------|--|--------------|------|--|
| AD           | 6568 | Andorra                               | DM           | 6877 | Dominica                                     | KI           | 7573 | Kiribati                                   |
| AE           | 6569 | United Arab Emirates                  | DO           | 6879 | Dominican Republic                           | KM           | 7577 | Comoros                                    |
| AF           | 6570 | Afghanistan                           | DZ           | 6890 | Algeria                                      | KN           | 7578 | Saint Kitts and Nevis                      |
| AG           | 6571 | Antigua and Barbuda                   | EC           | 6967 | Ecuador                                      | KP           | 7580 | Korea, Democratic People's Republic of     |
| AI           | 6573 | Anguilla                              | EE           | 6969 | Estonia                                      |              |      |  |
| AL           | 6576 | Albania                               | EG           | 6971 | Egypt  | KR           | 7582 | Korea, Republic of                         |
| AM           | 6577 | Armenia                               | EH           | 6972 | Western Sahara                               | KW           | 7587 | Kuwait                                     |
| AN           | 6578 | Netherlands Antilles                  | ER           | 6982 | Eritrea                                      | KY           | 7589 | Cayman Islands                             |
| AO           | 6579 | Angola                                | ES           | 6983 | Spain  | KZ           | 7590 | Kazakistan                                 |
| AQ           | 6581 | Antarctica                            | ET           | 6984 | Ethiopia                                     | LA           | 7665 | Lao People's Democratic Republic           |
| AR           | 6582 | Argentina                             | FI           | 7073 | Finland                                      |              |      |  |
| AS           | 6583 | American Samoa                        | FJ           | 7074 | Fiji   | LB           | 7666 | Lebanon                                    |
| AT           | 6584 | Austria                               | FK           | 7075 | Falkland Islands                             | LC           | 7667 | Saint Lucia                                |
| AU           | 6585 | Australia                             | FM           | 7077 | Micronesia, Federated States of              | LI           | 7673 | Liechtenstein                              |
| AW           | 6587 | Aruba                                 | FO           | 7079 | Faroe Islands                                | LK           | 7675 | Sri Lanka                                  |
| AZ           | 6590 | Azerbaijan                            | FR           | 7082 | France                                       | LR           | 7682 | Liberia                                    |
| BA           | 6665 | Bosnia and Herzegovina                | GA           | 7165 | Gabon  | LS           | 7683 | Lesotho                                    |
| BB           | 6666 | Barbados                              | GB           | 7166 | United Kingdom                               | LT           | 7684 | Lithuania                                  |
| BD           | 6668 | Bangladesh                            | GD           | 7168 | Grenada                                      | LU           | 7685 | Luxembourg                                 |
| BE           | 6669 | Belgium                               | GE           | 7169 | Georgia                                      | LV           | 7686 | Latvia                                     |
| BF           | 6670 | Burkina Faso                          | GF           | 7170 | French Guiana                                | LY           | 7689 | Libyan Arab Jamahiriya                     |
| BG           | 6671 | Bulgaria                              | GH           | 7172 | Ghana  | MA           | 7765 | Morocco                                    |
| BH           | 6672 | Bahrain                               | GI           | 7173 | Gibraltar                                    | MC           | 7767 | Monaco                                     |
| BI           | 6673 | Burundi                               | GL           | 7176 | Greenland                                    | MD           | 7768 | Moldova, Republic of                       |
| BJ           | 6674 | Benin                                 | GM           | 7177 | Gambia                                       | MG           | 7771 | Madagascar                                 |
| BM           | 6677 | Bermuda                               | GN           | 7178 | Guinea                                       | MH           | 7772 | Marshall Islands                           |
| BN           | 6678 | Brunei Darussalam                     | GP           | 7180 | Guadeloupe                                   | MK           | 7775 | Macedonia, The former Yugoslav Republic of |
| BO           | 6679 | Bolivia                               | GQ           | 7181 | Equatorial Guinea                            |              |      |  |
| BR           | 6682 | Brazil                                | GR           | 7182 | Greece                                       | ML           | 7776 | Mali                                       |
| BS           | 6683 | Bahamas                               | GS           | 7183 | South Georgia and the South Sandwich Islands | MM           | 7777 | Myanmar                                    |
| BT           | 6684 | Bhutan                                |              |      |  | MN           | 7778 | Mongolia                                   |
| BV           | 6686 | Bouvet Island                         | GT           | 7184 | Guatemala                                    | MO           | 7779 | Macau                                      |
| BW           | 6687 | Botswana                              | GU           | 7185 | Guam   | MP           | 7780 | Northern Mariana Islands                   |
| BY           | 6689 | Belarus                               | GW           | 7187 | Guinea-Bissau                                | MQ           | 7781 | Martinique                                 |
| BZ           | 6690 | Belize                                | GY           | 7189 | Guyana                                       | MR           | 7782 | Mauritania                                 |
| CA           | 6765 | Canada                                | HK           | 7275 | Hong Kong                                    | MS           | 7783 | Montserrat                                 |
| CC           | 6767 | Cocos (Keeling) Islands               | HM           | 7277 | Heard Island and McDonald Islands            | MT           | 7784 | Malta                                      |
| CD           | 6768 | Congo, the Democratic Republic of the | HN           | 7278 | Honduras                                     | MU           | 7785 | Mauritius                                  |
| CF           | 6770 | Central African Republic              | HR           | 7282 | Croatia                                      | MV           | 7786 | Maldives                                   |
| CG           | 6771 | Congo                                 | HT           | 7284 | Haiti  | MW           | 7787 | Malawi                                     |
| CH           | 6772 | Switzerland                           | HU           | 7285 | Hungary                                      | MX           | 7788 | Mexico                                     |
| CI           | 6773 | Cote d'Ivoire                         | ID           | 7368 | Indonesia                                    | MY           | 7789 | Malaysia                                   |
| CK           | 6775 | Cook Islands                          | IE           | 7369 | Ireland                                      | MZ           | 7790 | Mozambique                                 |
| CL           | 6776 | Chile                                 | IL           | 7376 | Israel                                       | NA           | 7865 | Namibia                                    |
| CM           | 6777 | Cameroon                              | IN           | 7378 | India  | NC           | 7867 | New Caledonia                              |
| CN           | 6778 | China                                 | IO           | 7379 | British Indian Ocean Territory               | NE           | 7869 | Niger                                      |
| CO           | 6779 | Colombia                              | IQ           | 7381 | Iraq   | NF           | 7870 | Norfolk Island                             |
| CR           | 6782 | Costa Rica                            | IR           | 7382 | Iran, Islamic Republic of                    | NG           | 7871 | Nigeria                                    |
| CU           | 6785 | Cuba                                  | IS           | 7383 | Iceland                                      | NI           | 7873 | Nicaragua                                  |
| CV           | 6786 | Cape Verde                            | IT           | 7384 | Italy  | NL           | 7876 | Netherlands                                |
| CX           | 6788 | Christmas Island                      | JM           | 7477 | Jamaica                                      | NO           | 7879 | Norway                                     |
| CY           | 6789 | Cyprus                                | JO           | 7479 | Jordan                                       | NP           | 7880 | Nepal                                      |
| CZ           | 6790 | Czech Republic                        | JP           | 7480 | Japan  | NR           | 7882 | Nauru                                      |
| DE           | 6869 | Germany                               | KE           | 7569 | Kenya  | NU           | 7885 | Niue                                       |
| DJ           | 6874 | Djibouti                              | KG           | 7571 | Kyrgyzstan                                   | NZ           | 7890 | New Zealand                                |
| DK           | 6875 | Denmark                               | KH           | 7572 | Cambodia                                     | OM           | 7977 | Oman                                       |
|              |      |                                       |              |      |  | PA           | 8065 | Panama                                     |

| Abbreviation | Code | Country                   | Abbreviation | Code | Country                     | Abbreviation | Code | Country                              |
|--------------|------|---------------------------|--------------|------|-----------------------------|--------------|------|--------------------------------------|
| PE           | 8069 | Peru                      | SJ           | 8374 | Svalbard and Jan Mayen      | TW           | 8487 | Taiwan, Province of China            |
| PF           | 8070 | French Polynesia          | SK           | 8375 | Slovakia                    | TZ           | 8490 | Tanzania, United Republic of         |
| PG           | 8071 | Papua New Guinea          | SL           | 8376 | Sierra Leone                | UA           | 8565 | Ukraine                              |
| PH           | 8072 | Philippines               | SM           | 8377 | San Marino                  | UG           | 8571 | Uganda                               |
| PK           | 8075 | Pakistan                  | SN           | 8378 | Senegal                     | UM           | 8577 | United States Minor Outlying Islands |
| PL           | 8076 | Poland                    | SO           | 8379 | Somalia                     | US           | 8583 | United States                        |
| PM           | 8077 | Saint Pierre and Miquelon | SR           | 8382 | Suriname                    | UY           | 8589 | Uruguay                              |
| PN           | 8078 | Pitcairn                  | ST           | 8384 | Sao Tome and Principe       | UZ           | 8590 | Uzbekistan                           |
| PR           | 8082 | Puerto Rico               | SV           | 8386 | El Salvador                 | VA           | 8665 | Holy See (Vatican City State)        |
| PT           | 8084 | Portugal                  | SY           | 8389 | Syrian Arab Republic        | VC           | 8667 | Saint Vincent and the Grenadines     |
| PW           | 8087 | Palau                     | SZ           | 8390 | Swaziland                   | VE           | 8669 | Venezuela                            |
| PY           | 8089 | Paraguay                  | TC           | 8467 | Turks and Caicos Islands    | VG           | 8671 | Virgin Island, British               |
| QA           | 8165 | Qatar                     | TD           | 8468 | Chad                        | VI           | 8673 | Virgin Islands, U.S.                 |
| RE           | 8269 | Reunion                   | TF           | 8470 | French Southern Territories | VN           | 8678 | Viet Nam                             |
| RO           | 8279 | Romania                   | TG           | 8471 | Togo                        | VU           | 8685 | Vanuatu                              |
| RU           | 8285 | Russian Federation        | TH           | 8472 | Thailand                    | WF           | 8770 | Wallis and Futuna                    |
| RW           | 8287 | Rwanda                    | TJ           | 8474 | Tajikistan                  | WS           | 8783 | Samoa                                |
| SA           | 8365 | Saudi Arabia              | TK           | 8475 | Tokelau                     | YE           | 8969 | Yemen                                |
| SB           | 8366 | Solomon Islands           | TM           | 8477 | Turkmenistan                | YT           | 8984 | Mayotte                              |
| SC           | 8367 | Seychelles                | TN           | 8478 | Tunisia                     | YU           | 8985 | Yugoslavia                           |
| SD           | 8368 | Sudan                     | TO           | 8479 | Tonga                       | ZA           | 9065 | South Africa                         |
| SE           | 8369 | Sweden                    | TP           | 8480 | East Timor                  | ZM           | 9077 | Zambia                               |
| SG           | 8371 | Singapore                 | TR           | 8482 | Turkey                      | ZW           | 9087 | Zimbabwe                             |
| SH           | 8372 | Saint Helena              | TT           | 8484 | Trinidad and Tobago         |              |      |                                      |
| SI           | 8373 | Slovenia                  | TV           | 8486 | Tuvalu                      |              |      |                                      |

## In Case of Difficulty

If you encounter a problem, please turn the power off, then on again. If the unit is still not functioning normally, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

### Basic

#### No function or display.

- Vehicle's ignition is off.
  - If connected following instructions, the unit will not operate with the vehicle's ignition off.
- Improper power lead (Red) and battery lead (Yellow) connections.
  - Check power lead and battery lead connections.
- Blown fuse.
  - Check the fuse of the unit; replace with the proper value if necessary.
- Internal micro-computer malfunctioned due to interference noise etc.
  - Press the RESET switch with a ballpoint pen or other pointed article.

### Radio

#### Unable to receive stations.

- No antenna or open connection in cable.
  - Make sure the antenna is properly connected; replace the antenna or cable if necessary.

#### Unable to tune stations in the seek mode.

- You are in a weak signal area.
  - Make sure the tuner is in the DX mode.
- If the area you are in is a primary signal area, the antenna may not be grounded and connected properly.
  - Check your antenna connections; make sure the antenna is properly grounded at its mounting location.
- The antenna may not be the proper length.
  - Make sure the antenna is fully extended; if broken, replace the antenna with a new one.

#### Broadcast is noisy.

- The antenna is not the proper length.
  - Extend the antenna fully; replace it if it is broken.
- The antenna is poorly grounded.
  - Make sure the antenna is grounded properly at its mounting location.

### CD/MP3/WMA/DVD/Video CD

#### Disc Player not functioning.

- Out of operating temperature range +50°C (+120°F) for CD.
  - Allow the vehicle's interior (or trunk) temperature to cool.

#### Disc playback sound is wavering.

- Moisture condensation in the disc unit.
  - Allow enough time for the condensation to evaporate (about 1 hour).

#### Disc insertion not possible.

- A disc is already in the DVD player.
  - Eject the disc and remove it.
- The disc is being improperly inserted.
  - Re-insert the disc following the instructions in the "loading and unloading discs" section.

#### Unable to fast forward or reverse the disc.

- The disc has been damaged.
  - Eject the disc and discard it; using a damaged disc in your unit can cause damage to the mechanism.

#### Disc playback sound skips due to vibration.

- Improper mounting of the unit.
  - Securely re-mount the unit.
- The disc is very dirty.
  - Clean the disc.
- The disc has scratches.
  - Change the disc.
- The pick-up lens is dirty.
  - Do not use a commercial available lens cleaner disc. Consult your nearest ALPINE dealer.

#### Disc playback sound skips without vibration.

- The disc is dirty or scratched.
  - Clean the disc; damaged disc should be replaced.

#### CD-R/CD-RW playback not possible.

- Close session (finalization) has not been performed.
  - Perform finalization and attempt playback again.

#### Error displays

- Mechanical error
  - Press **▲**. After the error indication disappears, insert the disc again. If the above-mentioned solution does not solve the problem, consult your nearest ALPINE dealer.

#### MP3 is not played back.

- Writing error occurred. The CD format is not compatible.
  - Make sure the CD has been written in a supported format. Refer to "About MP3/WMA" on pages 13-14, then rewrite in the format supported by this device.

#### Unit does not operate.

- Monitor's power is not turned on.
  - Turn on the monitor's power.
- Condensation.
  - Wait a while (about 1 hour) for the condensation to dry.

#### No picture is produced.

- Monitor's mode is not switched to the mode you want to see.
  - Switch to the mode you want to see.
- Monitor's parking brake cord is not connected.
  - Connect the monitor's parking brake cord and set the parking brake. (For details, refer to the monitor's instructions.)
- Monitor's parking brake is not set.
  - Connect the monitor's parking brake cord and set the parking brake. (For details, refer to the monitor's instructions.)

#### Playback does not start.

- Disc is loaded upside-down.
  - Check the disc and load it with the labeled side facing upward.
- Disc is dirty.
  - Clean the disc.
- A disc not able to playback with this unit is loaded.
  - Check if the disc is able to be played back.
- Parental lock is set.
  - Cancel the parental lock or change the rating level.

### Picture is unclear or noisy.

- Disc is being fast-forwarded or fast-reversed.
  - The picture may be unclear, but this is normal.
- Vehicle's battery power is weak.
  - Check the battery power and wiring.  
(The unit may malfunction if the battery power is under 11 volts with a load applied.)
- Monitor's fluorescent tube is worn out.
  - Replace the monitor's fluorescent tube.

### Image stops sometimes.

- Disc is scratched.
  - Replace with a non-scratched disc.

## Audio

### The sound is not output from the speakers.

- Unit has no output signal of the internal amplifier.
  - POWER IC is switched to "ON" (page 24).

## Indication for CD Player

### HI TEMP

- Protective circuit is activated due to high temperature.
  - The indicator will disappear when the temperature returns to within operation range.

### NO DISC

- No CD is inserted.
  - Insert a CD.
- Although a disc is inserted, "NO DISC" is displayed and the unit does not start to play or eject the disc.
  - Remove the disc by following these steps:  
Press the **▲** button again for at least 2 seconds.  
If the disc still does not eject, consult your Alpine dealer.

### ERROR

- Mechanism error.
  - 1) Press the **▲** button and eject the CD.  
If not ejecting, consult your Alpine dealer.
  - 2) When the error indication remains after ejecting, press the **▲** button again.  
If the error indication still does not turn off after pressing the **▲** button for a few times, consult your Alpine dealer.
- When "ERROR" is displayed:  
*If that the disc cannot be ejected by pressing **▲**, press the RESET switch (refer to page 7) and press **▲** again.  
If the disc still cannot be ejected, consult your Alpine dealer.*

### PROTECT

- A copy-protected WMA file was played back.
  - You can only play back non-copy-protected files.

### UNSUPPORT

- The disc is not written in a MP3/WMA supported format.
  - Use a disc written at the MP3/WMA supported format.

## Indication for DVD/Video CD Player

### DISC ERROR

(Monitor display)

### ERROR

(Audio display)

- Mechanism error.
  - 1) Press **▲** and eject the disc.  
If the disc does not eject, press **▲** again for at least 2 seconds and eject the disc.  
If the disc still does not eject, consult your Alpine dealer.
  - 2) When the error indication remains after ejecting, press **▲** again.  
If the error indication still does not turn off after pressing **▲** a few times, consult your Alpine dealer.

### NO DISC

(Monitor display)

### NO DISC

(Audio display)

- No disc is inserted.
  - Insert a disc.
- Although a disc is inserted, "NO DISC" is displayed and the unit does not start to play or eject the disc.
  - Remove the disc by following step:  
Press **▲** again for at least 2 seconds.



(Monitor display)

- Remote control operation is not possible.
  - For some discs or playing modes, certain operations are not possible. This is not a malfunction.

### REGIONAL CODE VIOLATION

(Monitor display)

### ERROR

(Audio display)

- Disc does not match regional code number.
  - Load a disc that matches the regional code number.

### HI-TEMP

(Monitor display)

### HITEMP

(Audio display)

- Protective circuit is activated at high temperature.
  - The indicator will disappear when the temperature returns to within operation range.
  - Leave the power OFF until the temperature decreases and then turn the power ON again.





LOADING ERROR

## ERROR

(Audio display)

EJECT ERROR

(Monitor display)

- Mechanism error.
  - 1) Press  and eject the disc.  
If the disc does not eject, press  again for at least 2 seconds and eject the disc.  
If the disc still does not eject, consult your Alpine dealer.
  - 2) When the error indication remains after ejecting, press  again.  
If the error indication still does not turn off after pressing  a few times, consult your Alpine dealer.

## Indication for CD Changer

### HI TEMP

- Protective circuit is activated due to high temperature.
  - The indicator will disappear when the temperature returns to within operation range.

### ERROR - 01

- Malfunction in the CD Changer.
  - Consult your Alpine dealer. Press the magazine eject button and pull out the magazine.  
Check the indication. Insert the magazine again.  
If the magazine cannot be pulled out, consult your Alpine dealer.
- Magazine ejection not possible.
  - Press the magazine eject button. If the magazine does not eject, consult your Alpine dealer.

### ERROR - 02

- A disc is left inside the CD Changer.
  - Press the eject button to activate the eject function. When the CD Changer finishes the eject function, insert an empty CD magazine into the CD Changer to receive the disc left inside the CD Changer.

### NO MAGZN

- No magazine is loaded into the CD Changer.
  - Insert a magazine.

### NO DISC

- No indicated disc.
  - Choose another disc.

## Indication for iPod Mode

### NO IPOD

- The iPod is not connected.
  - Make sure the iPod is correctly connected (refer to “Connections”).  
Make sure the cable is not bent excessively.
- The iPod’s battery remains low.
  - Refer to the iPod’s documentation and charge the battery.

### NO FILE

- There are no songs in the iPod.
  - Download songs to the iPod and connect to the adapter.

### ERROR-01

- Communication error
  - Turn the ignition key off, and then set to ACC or ON again.
  - Check the display by reconnecting between the iPod and the adapter, using the iPod cable.

### ERROR-02

- Caused by the iPod Software Version not being compatible with the optional adapter KCA-420i.
  - Refer to the Owner’s Manual of the optional adapter KCA-420i, and update the iPod Software Version to be compatible with the optional adapter KCA-420i.

## Specifications

### FM TUNER SECTION

|                               |                  |
|-------------------------------|------------------|
| Tuning Range                  | 87.5 – 108.0 MHz |
| Mono Usable Sensitivity       | 0.7 $\mu$ V      |
| Alternate Channel Selectivity | 80 dB            |
| Signal-to-Noise Ratio         | 65 dB            |
| Stereo Separation             | 35 dB            |
| Capture Ratio                 | 2.0 dB           |

### MW TUNER SECTION

|                            |                    |
|----------------------------|--------------------|
| Tuning Range               | 531 – 1,602 kHz    |
| Sensitivity (IEC Standard) | 25.1 $\mu$ V/28 dB |

### LW TUNER SECTION

|                            |                    |
|----------------------------|--------------------|
| Tuning Range               | 153 – 281 kHz      |
| Sensitivity (IEC Standard) | 31.6 $\mu$ V/30 dB |

### CD/DVD SECTION

|                           |                             |
|---------------------------|-----------------------------|
| Frequency Response        | 5 – 20,000 Hz ( $\pm$ 1 dB) |
| Wow & Flutter (% WRMS)    | Below measurable limits     |
| Total Harmonic Distortion | 0.008% (at 1 kHz)           |
| Dynamic Range             | 95 dB (at 1 kHz)            |
| Channel Separation        | 90 dB (at 1 kHz)            |
| Signal system             | NTSC/PAL                    |
| Horizontal resolution     | 500 lines or greater        |
| Video output level        | 1Vp-p (75 ohms)             |
| Video S/N ratio           | DVD: 70 dB                  |
| Audio S/N ratio           | 115 dB                      |

### PICKUP

|             |             |
|-------------|-------------|
| Wave length | DVD: 665 nm |
|             | CD: 785 nm  |
| Laser power | CLASS II    |

### REMOTE CONTROL

|              |                                   |
|--------------|-----------------------------------|
| Battery Type | CR2025 battery                    |
| Width        | 51 mm (2")                        |
| Height       | 119 mm (4-11/16")                 |
| Depth        | 13 mm (33/64")                    |
| Weight       | 50 g (1.75 oz) (battery excluded) |

### GENERAL

|                            |                                  |
|----------------------------|----------------------------------|
| Power Requirement          | 14.4 V DC<br>(11–16 V allowable) |
| Maximum Power Output       | 45 W $\times$ 4                  |
| Maximum Pre-Output Voltage | 2 V/10k ohms                     |
| Bass                       | +20/-14 dB at 60 Hz              |
| Treble                     | $\pm$ 14 dB at 10 kHz            |
| Weight                     | 1.6 kg (3 lbs. 8 oz)             |

### CHASSIS SIZE

|        |             |
|--------|-------------|
| Width  | 178 mm (7") |
| Height | 50 mm (2")  |
| Depth  | 152 mm (6") |

### NOSEPIECE SIZE

|        |                   |
|--------|-------------------|
| Width  | 170 mm (6-11/16") |
| Height | 46 mm (1-13/16")  |
| Depth  | 18 mm (11/16")    |

- Due to continuous product improvement, specifications and design are subject to change without notice.

## CAUTION

**CLASS 1  
LASER PRODUCT**

(Bottom side of player)

CAUTION-Laser radiation when open, DO NOT STARE INTO BEAM

(Bottom side of player)



---

---

# Installation and Connections

Before installing or connecting the unit, please read the following and pages 3 to 4 of this manual thoroughly for proper use.

## Warning

---

### MAKE THE CORRECT CONNECTIONS.

Failure to make the proper connections may result in fire or product damage.

---

### USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

---

### BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

---

### DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

---

### DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

---

### DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

---

### KEEP SMALL OBJECTS SUCH AS BATTERY OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

---

### DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR SHIFT LEVER.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

---

## Caution

---

### HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

---

### USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

---

### ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

---

### DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.

Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

---

## Precautions

- Be sure to disconnect the cable from the (-) battery post before installing your DVA-9860R. This will reduce any chance of damage to the unit in case of a short-circuit.
- Be sure to connect the colour coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage to the vehicle's electrical system.
- When making connections to the vehicle's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the DVA-9860R to the fuse box, make sure the fuse for the intended circuit of the DVA-9860R has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your ALPINE dealer.
- The DVA-9860R uses female RCA-type jacks for connection to other units (e.g. amplifier) having RCA connectors. You may need an adaptor to connect other units. If so, please contact your authorized ALPINE dealer for assistance.
- Be sure to connect the speaker (-) leads to the speaker (-) terminal. Never connect left and right channel speaker cables to each other or to the vehicle body.

---

## IMPORTANT

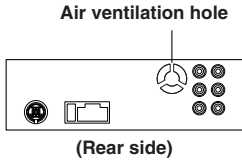
Please record the serial number of your unit in the space provided below and keep it as a permanent record. The serial number or the engraved serial number is located on the bottom of the unit.

SERIAL NUMBER: \_\_\_\_\_  
INSTALLATION DATE: \_\_\_\_\_  
INSTALLATION TECHNICIAN: \_\_\_\_\_  
PLACE OF PURCHASE: \_\_\_\_\_

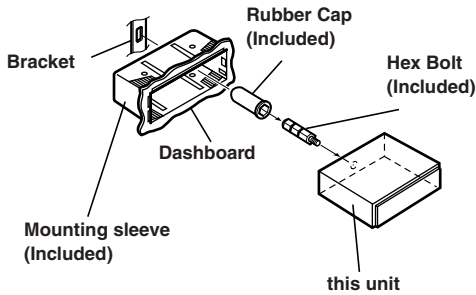
# Installation

## Caution

Do not block the unit's fan or heat sink, thus preventing air circulation. If blocked, heat will accumulate inside the unit and may cause a fire.

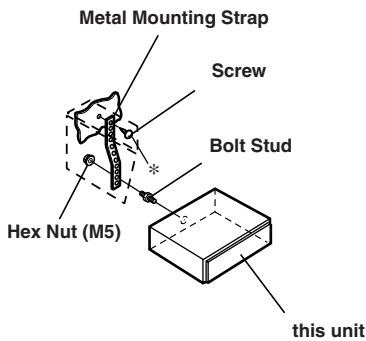


1



Slide mounting sleeve from main unit (see "Removal" on this page). Slide the mounting sleeve into the dashboard and fix it with the metal shackles.

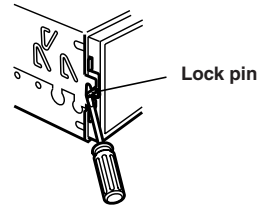
2



When your vehicle has the Bracket, mount the long hex bolt onto the rear panel of the DVA-9860R and put the Rubber Cap on the hex bolt. If your vehicle does not have the Mounting Support, reinforce the head unit with the metal mounting strap (not supplied). Connect all the leads of the DVA-9860R according to details described in the CONNECTION section.

- For the screw\*, provide a proper screw to the chassis installing location.

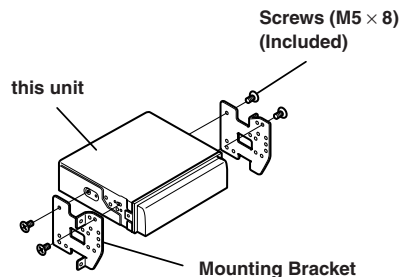
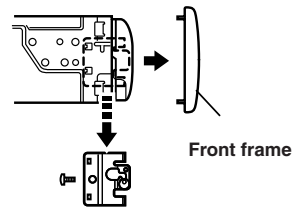
3 Slide the DVA-9860R into the dashboard. When the unit is in place, make sure the locking pins are fully seated in the down position. This can be done by pressing firmly in on the unit while pushing the locking pin down with a small screwdriver. This ensures that the unit is properly locked and will not accidentally come out from the dashboard. Install the Detachable Front Panel.



## Removal

- 1 Remove the detachable front panel.
- 2 Use a small screwdriver (or similar tool) to push the locking pins to the "up" position (see above drawing). As each pin is unlocked, gently pull out on the unit to make sure it does not re-lock before unlocking the second pin.
- 3 Pull the unit out, keeping it unlocked as you do so.

## <JAPANESE CAR>

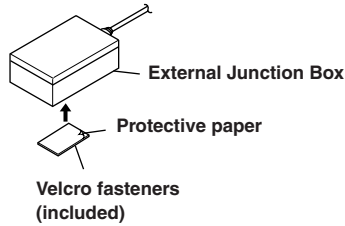


Continued

## **Installing the External Junction Box**

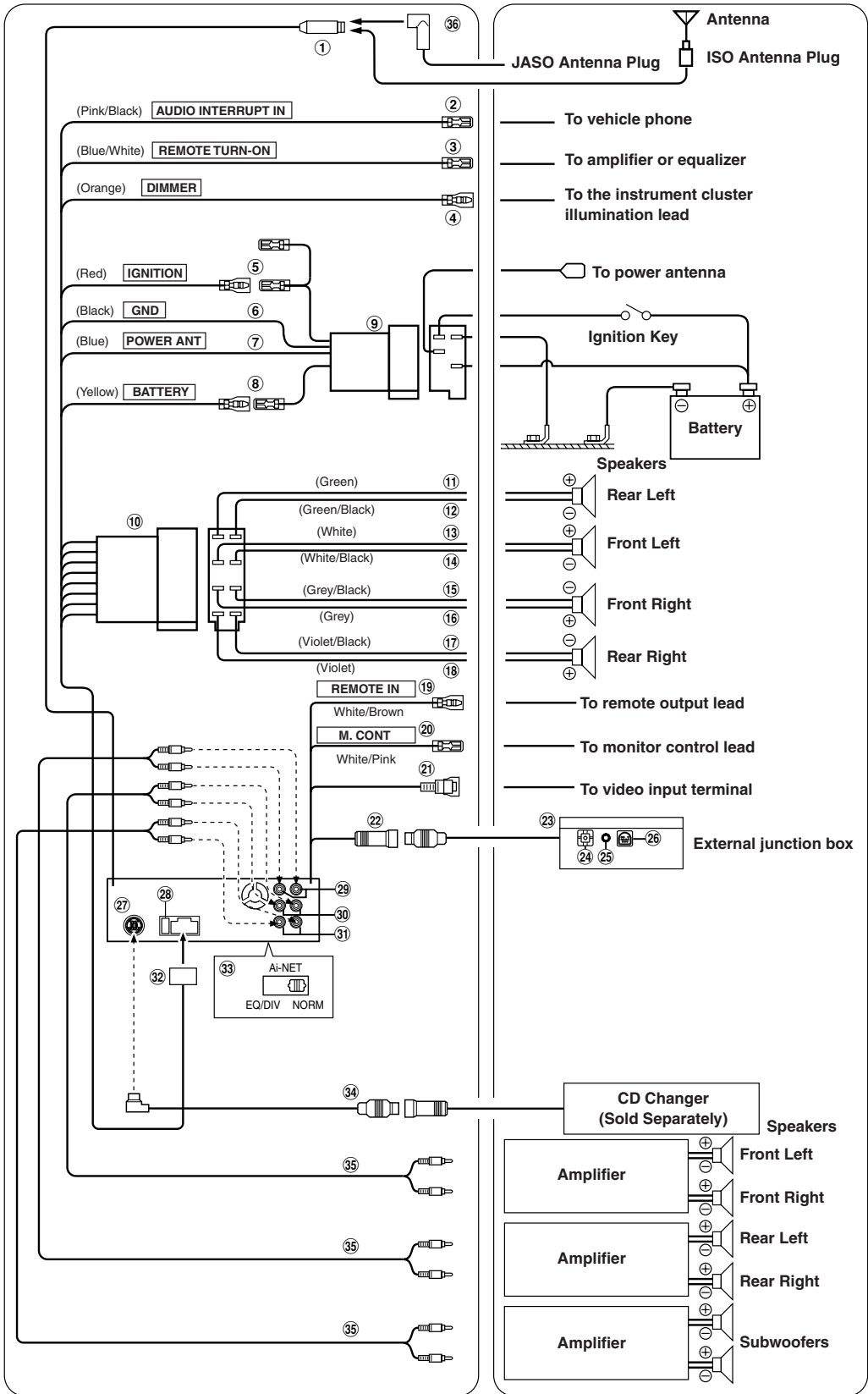
When external audio processors (PXA-H510, PXA-H700, etc.) are connected to the Fiber optic cable, be sure to securely install the External Junction Box using the supplied Velcro fastener so that the Fiber optic cable will not be damaged.

- 1 Remove the Protective paper and attach of Velcro fastener to the bottom of the External Junction Box.



- 2 Mount the External Junction Box in a flat location where it will not interfere with driving operations (floor carpet, etc.).
- *Make sure to apply the supplied velcro fastener to the bottom side of the External Junction Box to secure stability. An unstable box may cause accidental damage to other equipment, such as cables, etc.*
  - *If the External Junction Box is installed in the foot area, route the cable in a location where it will not be stepped on.*
  - *The External Junction Box may become hot. This is not a malfunction.*

# Connections



- ① **Antenna Receptacle**
- ② **Audio Interrupt In Lead (Pink/Black)**  
Connect this lead to the Audio Interface output of a cellular phone which provides ground shorting when a call is received.
- ③ **Remote Turn-On Lead (Blue/White)**  
Connect this lead to the remote turn-on lead of your amplifier or signal processor.
- ④ **Dimmer Lead (Orange)**  
This lead may be connected to the vehicle's instrument cluster illumination lead. This will enable the vehicle's dimmer control to dim the backlighting of the unit.
- ⑤ **Switched Power Lead (Ignition) (Red)**  
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+) 12V only when the ignition is turned on or in the accessory position.
- ⑥ **Ground Lead (Black)**  
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.
- ⑦ **Power Antenna Lead (Blue)**  
Connect this lead to the +B terminal of your power antenna, if applicable.
  - *This lead should be used only for controlling the vehicle's power antenna. Do not use this lead to turn on an amplifier or a signal processor, etc.*
- ⑧ **Battery Lead (Yellow)**  
Connect this lead to the positive (+) post of the vehicle's battery.
- ⑨ **ISO Power Supply Connector**
- ⑩ **ISO Connector (Speaker Output)**
- ⑪ **Left Rear (+) Speaker Output Lead (Green)**
- ⑫ **Left Rear (-) Speaker Output Lead (Green/Black)**
- ⑬ **Left Front (+) Speaker Output Lead (White)**
- ⑭ **Left Front (-) Speaker Output Lead (White/Black)**
- ⑮ **Right Front (-) Speaker Output Lead (Grey/Black)**
- ⑯ **Right Front (+) Speaker Output Lead (Grey)**
- ⑰ **Right Rear (-) Speaker Output Lead (Violet/Black)**
- ⑱ **Right Rear (+) Speaker Output Lead (Violet)**
- ⑲ **Remote Control Input Lead (White/Brown)**  
Connect the external Alpine product to the remote control output lead.
- ⑳ **Monitor Control Lead (White/Pink)**  
Connect this to the Monitor Control Lead of the touch panel-compatible monitor.
- ㉑ **Video Output Connector**  
This connector is used in combination with the video inputs of another video product (Touch panel compatible monitor, etc.)
- ㉒ **External Junction Box Connector**  
Connect to the external junction Box (included)
- ㉓ **External Junction Box**  
Use when connecting optical digital cable or the remote control interface box.  
Connect to the external junction box connector.
  - *Do not install the external junction box at a location subjected to water such as under the floor mat or air conditioner. This may cause a malfunction.*
  - *Do not bundle the external junction box cable with other audio cables. Doing so may induce noise into your system.*
  - *Keep the external junction box away from the Antenna cables and the rear side of the unit, otherwise noise may be generated when receiving radio broadcast.*
- ㉔ **Digital Output Terminal (Optical)**  
Use when combining optical digital input compatible products.
- ㉕ **Steering Remote Control Interface Connector**  
To steering remote control interface box.
  - *Use a steering remote control extension cable (included) if necessary.*
- ㉖ **Vehicle Display Interface Connector**  
Vehicle Display Interface control signals.  
Connect this to the optional Vehicle Display Interface box.
  - *For details about connections, consult your nearest ALPINE dealer.*
- ㉗ **Ai-NET Connector**  
Connect this to the output or input connector of other product (CD changer, Equalizer, iPod adapter\*, etc.) equipped with Ai-NET.
 

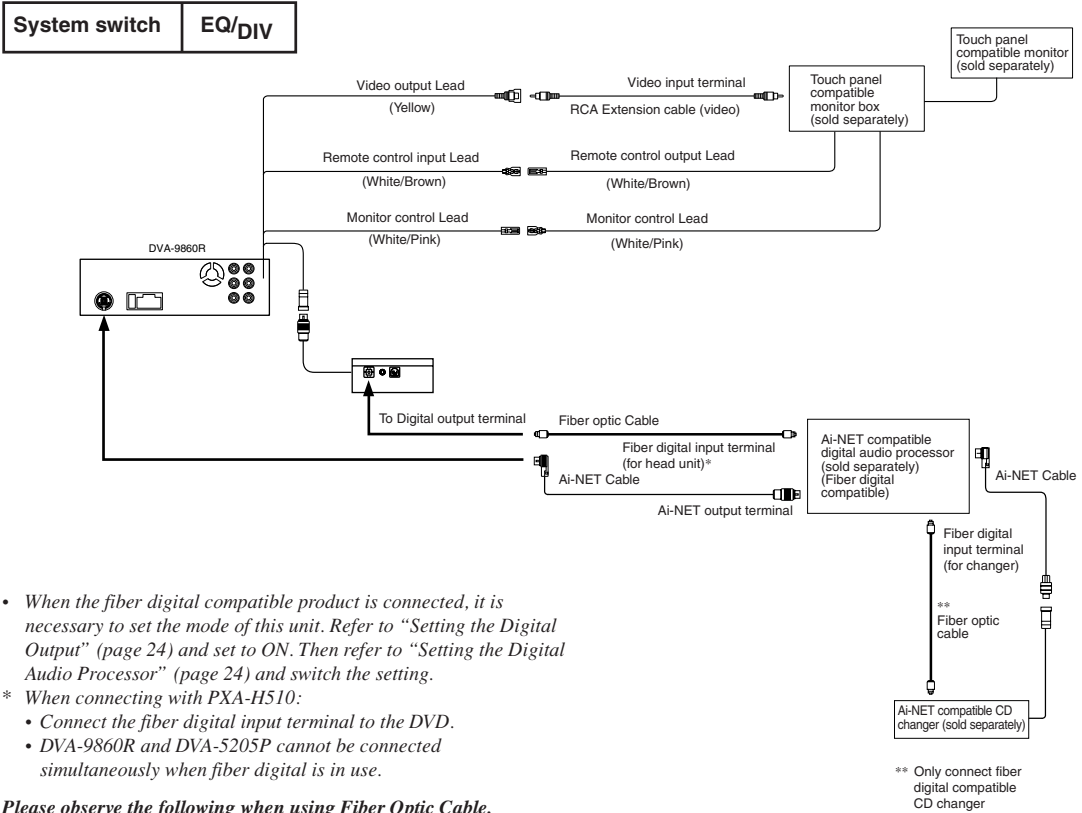
\* *When connecting iPod, the adapter KCA-420i is required. For details about connections, refer to the manual of KCA-420i.*
- ㉘ **Fuse Holder (10A)**
- ㉙ **Rear Output RCA Connectors**  
RED is right and WHITE is left.
- ㉚ **Front Output RCA Connectors**  
RED is right and WHITE is left.
- ㉛ **Subwoofer Output RCA Connectors**  
RED is right and WHITE is left.
- ㉜ **Power Supply Connector**
- ㉝ **System Switch**  
When connecting a processor using Ai-NET, place this switch in the EQ/DIV position. When no device is connected, leave the switch in the NORM position.
  - *Be sure to turn the power off to the unit before changing the switch position.*
- ㉞ **Ai-NET Cable (Included with CD Changer)**
- ㉟ **RCA Extension Cable (sold separately)**
- ㊱ **ISO/JASO Antenna Adapter (sold separately)**  
ISO/JASO Antenna Adaptor may be required, depending on the vehicle.

**To prevent external noise from entering the audio system.**

- Locate the unit and route the leads at least 10cm away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely to a bare metal spot (remove any paint, dirt or grease if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors, contact them for further information.
- Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.

## System Example

Connect the Ai-NET compatible digital audio processor (Fiber digital compatible) and touch panel compatible monitor/changer



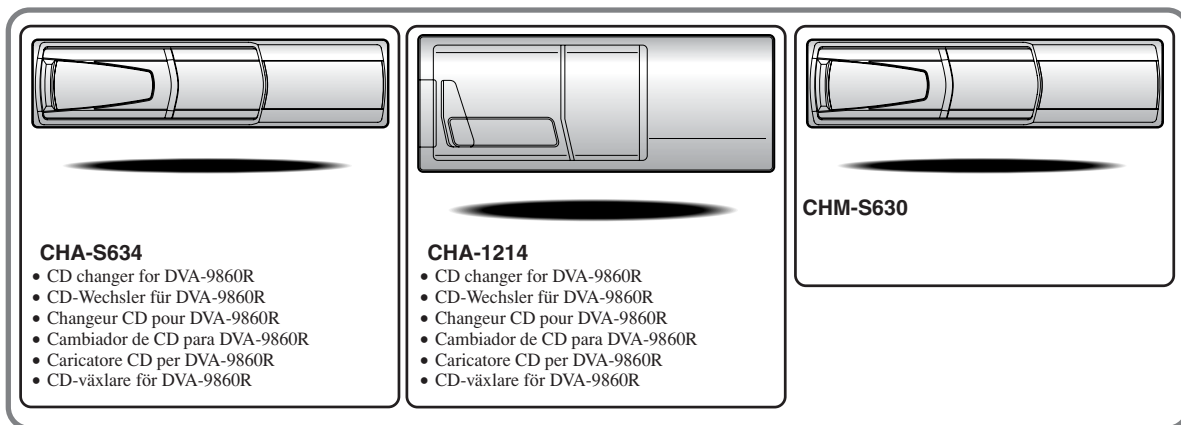
- When the fiber digital compatible product is connected, it is necessary to set the mode of this unit. Refer to “Setting the Digital Output” (page 24) and set to ON. Then refer to “Setting the Digital Audio Processor” (page 24) and switch the setting.

\* When connecting with PXA-H510:

- Connect the fiber digital input terminal to the DVD.
- DVA-9860R and DVA-5205P cannot be connected simultaneously when fiber digital is in use.

**Please observe the following when using Fiber Optic Cable.**

- Be careful not to bend the Fiber Optic Cable at a sharp angle.
- Do not coil the Fiber Optic Cable smaller than a 30 mm radius.
- Do not place anything on top of the Fiber Optic Cable.



#### **CHA-S634**

- CD changer for DVA-9860R
- CD-Wechsler für DVA-9860R
- Changeur CD pour DVA-9860R
- Cambiador de CD para DVA-9860R
- Caricatore CD per DVA-9860R
- CD-växlare för DVA-9860R

#### **CHA-1214**

- CD changer for DVA-9860R
- CD-Wechsler für DVA-9860R
- Changeur CD pour DVA-9860R
- Cambiador de CD para DVA-9860R
- Caricatore CD per DVA-9860R
- CD-växlare för DVA-9860R

#### **CHM-S630**

## **Alpine CD Changers Give You More!**

### ***More musical selections, more versatility, more convenience.***

The CHA-S634 is a high-performance 6-disc changer with a new M DAC, CD-R/RW PLAY BACK, MP3 PLAY BACK and CD TEXT. The CHA-1214 Ai-NET model holds 12 discs, and the CHM-S630 M-Bus model is a super-compact 6-disc changer with a CD-R/RW PLAY BACK.

## **Von Alpine CD-Wechslern haben Sie mehr!**

### ***Mehr Musikauswahl, mehr Vielseitigkeit, mehr Komfort.***

Der CHA-S634 ist ein Hochleistungs-Wechsler für 6 CDs mit dem neuen M-DAC, mit CD-R/RW- und MP3-Wiedergabefunktion und mit CD-TEXT. Der CHA-1214 ist ein Ai-NET-Modell für 12 CDs. Der M-Bus-kompatible CHM-S630 ist ein superkompakter Wechsler für 6 CDs mit CD-R/RW-Wiedergabefunktion.

## **Changeurs de CD Alpine : vous avez le choix!**

### ***Plus de sélections musicales, plus de souplesse, plus de confort.***

Le modèle CHA-S634 est un changeur 6 disques ultra performant équipé des nouvelles fonctions M DAC, CD-R/RW PLAY BACK, MP3 PLAY BACK et CD TEXT. Le modèle CHA-1214 Ai-NET contient 12 disques. Le modèle CHM-S630 M-Bus est un changeur 6 disques super compact doté de la fonction CD-R/RW PLAY BACK.

## **¡Los cambiadores Alpine de CD le ofrecen más!**

### ***Más selecciones musicales, más versatilidad y más ventajas.***

CHA-S634 es un cambiador de seis discos de alto rendimiento con nuevo M DAC, CD-R/RW PLAY BACK, MP3 PLAY BACK y CD TEXT. El modelo CHA-1214 Ai-NET alberga 12 discos y el modelo CHM-S630 M-Bus es un cambiador de seis discos de tamaño reducido con un CD-R/RW PLAY BACK.

## **I caricatori CD Alpine danno di più!**

### ***Più scelta, più versatilità, più comodità.***

Il modello CHA-S634 è un caricatore a 6 dischi ad elevate prestazioni dotato di un nuovo M DAC, CD-R/RW PLAY BACK, MP3 PLAY BACK e CD TEXT. Il modello CHA-1214 Ai-NET è in grado di contenere 12 dischi, il modello CHM-S630 M-Bus è un caricatore a 6 dischi ultra compatto dotato di un CD-R/RW PLAY BACK.

## **Alpines CD-växlare ger mer!**

### ***Fler musikval, mer variation, större bekvämlighet.***

CHA-S634 är en växlare för 6 skivor med mycket höga prestanda och en ny M D/A-omvandlare samt uppspelning av CD-R/RW, MP3 och CD TEXT. CHA-1214 Ai-NET rymmer 12 skivor. CHM-S630 M-Bus är en mycket kompakt växlare med kapaciteten 6 skivor med uppspelning av CD-R/RW PLAY BACK.



# Appendix

## Product Information Card

## Produkt-Informationskarte

## Carte d'informations sur le produit

## Tarjeta de información del producto

### English

Filling in this Product Information Card is voluntary. If you fill in this card and send it to Alpine, your data will be tabulated into reference data for future Alpine product development. In addition, in the future you may receive information about new products or Survey Mail requesting additional opinions about Alpine products or services. If you agree to the above term, please sign your name in the indicated space and return the card. Any additional comments or inquiries may be sent to: Person in charge of Customer Service department Alpine Electronics (Europe) GmbH.  
Frankfurter Ring 117, 80807 München, Germany  
Phone: +49-(0)89-32 42 640

### Deutsch

Das Ausfüllen dieser Produktinformations-Karte ist freiwillig. Sollten Sie diese Karte vervollständigen, so werden die Daten für zukünftige Produktentwicklungen von Alpine als Referenzdaten herangezogen. Ebenso können Sie in der Zukunft Informationen über neue Alpine Produkte erhalten oder uns auch Ihre Meinung über Alpine Produkte und Dienstleistungen im Rahmen von Kunden-Befragungen mitteilen. Stimmen Sie dem Kontakt durch Alpine zu, so würden wir Sie bitten, in dem dafür vorgesehenen Feld zu unterschreiben und die Karte kostenfrei an uns zurückzuschicken. Zusätzliche Kommentare und Meinungen können Sie gerne an den zuständigen Kontakt im Kundendienst Alpine Electronics (Europe) GmbH senden.  
Frankfurter Ring 117, 80807 München, Germany  
Phone: 089-32 42 640

### Français

En remplissant volontairement cette fiche, et en l'envoyant à Alpine, vous acceptez que ces informations soient utilisées par Alpine, dans le cadre de développement de nouveaux produits. Par ailleurs, vous autorisez Alpine à solliciter votre opinion par mailing sur de nouveaux produits ou services. Si vous acceptez les termes ci-dessus, veuillez signer cette carte à l'endroit indiqué, et nous la retourner. Tout autre commentaire ou demande doit être adressé à l'attention de: Responsable du service consommateur Alpine Electronics (Europe) GmbH.  
Frankfurter Ring 117, 80807 München, Germany  
Phone: +49-(0)89-32 42 640

### Español

El envío de la información solicitada es voluntario. Si Vd. nos la remite, será utilizada de modo confidencial para el desarrollo de futuros productos Alpine. Si Vd. desea recibir información sobre nuevos productos de nuestra gama, indique su nombre en el espacio designado y remitanos la tarjeta. Cualquier solicitud adicional puede ser enviada a: Persona responsable del Servicio de Atención al Cliente de Alpine Electronics (Europe) GmbH.  
Frankfurter Ring 117, 80807 München, Germany  
Phone: +49-(0)89-32 42 640

#### Q1. PRODUCT PURCHASED

1. Cassette Player
2. CD Player
3. MD Player
4. DVD Player
5. CD Changer
6. Amplifier
7. Speaker
8. Subwoofer
9. Monitor Controller
10. Video Monitor
11. Navigation
12. Processor/Equalizer
13. CD/Video CD Changer
14. Other \_\_\_\_\_

#### Q2. MODEL NUMBER: \_\_\_\_\_

#### Q3. DATE OF PURCHASE:

Month: \_\_\_\_\_ Year: \_\_\_\_\_

#### Q4. If navigation system, which monitor?

1. Alpine → (Model No.) \_\_\_\_\_
2. Other → (Brand Name) \_\_\_\_\_

#### Q5. STORE TYPE WHERE PURCHASED:

1. Car Audio Specialist
2. Audio/Video Store
3. Electronics/Appliance Store
4. Car Accessories Shop
5. Other \_\_\_\_\_

#### Q6. Type of vehicle in which this unit is installed:

Make: \_\_\_\_\_ Model: \_\_\_\_\_  
Purchased Model: \_\_\_\_\_  
Year: \_\_\_\_\_ Year: \_\_\_\_\_

#### Q7. How was this vehicle purchased?

1. Purchase
2. Lease

#### Q8. Purpose of buying this unit?

1. Addition
2. Replacement

↓  
• Previous brand replaced?

1. Factory installed
2. Alpine
3. Other → (Brand Name) \_\_\_\_\_

#### Q9. Have you purchased Alpine products before?

1. First time
2. Two or More times

#### Q10. When you purchased this Alpine unit, did you compare it with other brand?

1. Yes → (Brand Name) \_\_\_\_\_
2. No

#### Q11. GENDER

1. Male
2. Female

#### Q12. AGE \_\_\_\_\_

#### Q13. MARITAL STATUS

1. Single
2. Married

#### Q14. OCCUPATION

1. Company Owner/Self-employed/  
Freelance
2. Manager
3. Company Employee
4. Civil Servant
5. Educator
6. Student
7. Other \_\_\_\_\_

#### Q15. Comments \_\_\_\_\_

#### Q1. gekauftes Gerät

1. Kassetten-Spieler
2. CD-Spieler
3. MD-Spieler
4. DVD-Spieler
5. CD-Wechsler
6. Verstärker
7. Lautsprecher
8. Subwoofer
9. Monitor-Controller
10. Video-Monitor
11. Navigationssystem
12. Prozessor/Equalizer
13. CD/Video-CD-Wechsler
14. andere \_\_\_\_\_

#### Q2. Modellnummer: \_\_\_\_\_

#### Q3. Kaufdatum:

Monat: \_\_\_\_\_ Jahr: \_\_\_\_\_

#### Q4. Falls Navigationssystem: Welcher Monitor?

1. Alpine → (Modellnr.) \_\_\_\_\_
2. Anderer Hersteller → (Herstellername) \_\_\_\_\_

#### Q5. Art des Geschäfts, in dem Sie das Gerät gekauft haben:

1. Spezialist für Auto-Audioanlagen
2. Audio/Video-Geschäft
3. Elektro-Geschäft
4. Autozubehör-Geschäft
5. Anderer Hersteller \_\_\_\_\_

#### Q6. Art des Fahrzeugs, in das das Gerät installiert wurde:

Marke: \_\_\_\_\_ Modell: \_\_\_\_\_  
gekauft im \_\_\_\_\_  
Jahr: \_\_\_\_\_ Baujahr: \_\_\_\_\_

#### Q7. Wie haben Sie das Fahrzeug gekauft?

1. Kauf
2. Leasing

#### Q8. Zweck des Kaufs dieses Geräts?

1. Zusätzlich
2. Austausch

↓  
• Marke des ausgetauschten Geräts?

1. Serienmäßige Ausstattung
2. Alpine
3. Anderer Hersteller → (Herstellername) \_\_\_\_\_

#### Q9. War dies das erste Mal, dass Sie ein Alpine-Gerät gekauft haben?

1. Erstes Mal
2. Zweites Mal oder öfter

#### Q10. Haben Sie dieses Alpine-Gerät vor dem Kauf mit Geräten anderer Hersteller verglichen?

1. Ja → (Herstellername) \_\_\_\_\_
2. Nein

#### Q11. Geschlecht

1. Männlich
2. Weiblich

#### Q12. Alter \_\_\_\_\_

#### Q13. Familienstand

1. Ledig
2. Verheiratet

#### Q14. Beruf

1. Selbständige/Firmeninhaber/treiberberuflich Tätige
2. Leitende Angestellte
3. Sonstige Angestellte
4. Beamte
5. Schulbildung
6. Studium
7. Sonstige \_\_\_\_\_

#### Q15. Kommentar: \_\_\_\_\_

#### Q1. PRODUIT ACHETE

1. Lecteur de cassette
2. Lecteur de CD
3. Lecteur MD
4. Lecteur DVD
5. Changeur de CD
6. Amplificateur
7. Haut-parleur
8. Haut-parleur de graves
9. Station Multimedia
10. Moniteur Vidéo
11. Navigation
12. Processeur/Egaliseur
13. Changeur de CD/CD Vidéo
14. Autre \_\_\_\_\_

#### Q2. NUMERO DU MODELE: \_\_\_\_\_

#### Q3. DATE D'ACHAT:

Mois: \_\_\_\_\_ Année: \_\_\_\_\_

#### Q4. Si c'est un système de navigation, quel moniteur?

1. Alpine → (N° du modèle) \_\_\_\_\_
2. Autre → (Marque) \_\_\_\_\_

#### Q5. TYPE DE MAGASIN OU VOUS AVEZ ACHETE LE PRODUIT:

1. Spécialiste autoradio
2. Magasin audio/vidéo
3. Magasin d'électronique/appareils
4. Magasin d'accessoires automobiles
5. Autre \_\_\_\_\_

#### Q6. Type de véhicule dans lequel cet appareil est installé:

Marque: \_\_\_\_\_ Modèle: \_\_\_\_\_  
Année \_\_\_\_\_ Année du  
d'achat: \_\_\_\_\_ modèle: \_\_\_\_\_

#### Q7. Comment avez-vous acheté ce véhicule?

1. Achat
2. Location-bail

#### Q8. Pourquoi avez-vous acheté cet appareil?

1. Addition
2. Remplacement

↓  
• Marque précédente remplacée?

1. Installée en usine
2. Alpine
3. Autre → (Marque) \_\_\_\_\_

#### Q9. Aviez-vous déjà acheté des produits Alpine?

1. Première fois
2. Deux fois ou plus

#### Q10. Lorsque vous avez acheté ce produit Alpine, l'avez-vous comparé à une autre marque?

1. Oui → (Marque) \_\_\_\_\_
2. Non

#### Q11. SEXE

1. Masculin
2. Féminin

#### Q12. AGE \_\_\_\_\_

#### Q13. SITUATION DE FAMILLE

1. Célibataire
2. Marié

#### Q14. PROFESSION

1. Entrepreneur/Travailleur indépendant/  
Free-lance
2. Directeur
3. Employé de bureau
4. Fonctionnaire
5. Educateur
6. Etudiant
7. Autre \_\_\_\_\_

#### Q15. Commentaires \_\_\_\_\_

#### Q1. Producto Comprado

1. Radio/Cassette
2. Radio/CD
3. Reproductor de MD
4. Reproductor de DVD
5. Cambiador de CD
6. Amplificador
7. Altavoz
8. Subwoofer
9. Monitor de control
10. Monitor de video
11. Sistema de navegación
12. Procesador/Equalizador
13. Cambiador de CD/Video CD
14. Otros \_\_\_\_\_

#### Q2. Número de modelo: \_\_\_\_\_

#### Q3. Fecha de compra:

Mes: \_\_\_\_\_ Año: \_\_\_\_\_

#### Q4. En caso de sistema de navegación, ¿qué monitor?

1. Alpine → (N° de modelo) \_\_\_\_\_
2. Otro → (Nombre de marca) \_\_\_\_\_

#### Q5. TIPO DE TIENDA DONDE COMPRÓ:

1. Especialista en audio de automóviles
2. Tienda de audio/video
3. Tienda de electrónica/electrodomésticos
4. Tienda de accesorios automovilísticos
5. Otros \_\_\_\_\_

#### Q6. Tipo de vehículo en que la unidad está instalada:

Marca: \_\_\_\_\_ Modelo: \_\_\_\_\_  
Año de \_\_\_\_\_ Año del  
compra: \_\_\_\_\_ modelo: \_\_\_\_\_

#### Q7. ¿Cómo fue comprado este vehículo?

1. compra
2. Leasing

#### Q8. ¿Propósito de comprar esta unidad?

1. Mejora del sistema
2. Sustitución

↓  
• ¿Sustitución de marca anterior?

1. Instalado en la fábrica
2. Alpine
3. Otros → (Nombre de marca) \_\_\_\_\_

#### Q9. ¿Ha comprado Vd. productos Alpine anteriormente?

1. Primera vez
2. Dos o más veces

#### Q10. Cuando usted compró esta unidad Alpine, ¿la comparó con otros fabricantes?

1. Si → (Nombre de marca) \_\_\_\_\_
2. No

#### Q11. SEXO

1. Masculino
2. Femenino

#### Q12. Edad \_\_\_\_\_

#### Q13. Estado civil

1. Soltero
2. Casado

#### Q14. Ocupación

1. Propietario de empresa/Autónomo/  
Profesional independiente
2. Gerente
3. Empleado de compañía
4. Empleado público
5. Profesor
6. Estudiante
7. Otros \_\_\_\_\_

#### Q15. Comentarios \_\_\_\_\_

# Scheda informazioni prodotto

## Italiano

La compilazione di questo formulario è volontaria. Se compilate questo formulario, ritornandolo ad Alpine, i Vostri dati saranno raccolti in un file di riferimento per lo sviluppo dei nuovi prodotti Alpine. In aggiunta Voi potrete ricevere in futuro informazioni riguardanti i nuovi prodotti o la richiesta di una Vostra opinione circa i prodotti o i servizi forniti da Alpine. Se siete d'accordo, Vi preghiamo di ritornarci il formulario compilato negli appositi spazi con i Vostri dati. In caso desideriate fornire altri commenti o richiedere informazioni aggiuntive, potete indirizzare il tutto a : Responsabile dipartimento Servizio Clienti Alpine Electronics (Europe) GmbH.  
Frankfurter Ring 117, 80807 München, Germany  
Phone: +49-(0)89-32 42 640

### Q1. PRODOTTO ACQUISTATO

1. Lettore di cassette
2. Lettore CD
3. Lettore MD
4. Lettore DVD
5. CD Changer
6. Amplificatore
7. Altoparlante
8. Subwoofer
9. Radio Monitor
10. Monitor video
11. Sistema di navigazione
12. Processore/equalizzatore
13. Cambia CD/Video CD
14. Altro \_\_\_\_\_

### Q2. NUMERO MODELLO: \_\_\_\_\_

### Q3. DATA DI ACQUISTO:

Mese: \_\_\_\_\_ Anno: \_\_\_\_\_

### Q4. In caso di acquisto di un sistema di navigazione, quale monitor possiede?

1. Alpine → (No. Modello) \_\_\_\_\_
2. Altro → Nome marca \_\_\_\_\_

### Q5. NEGOZIO DI ACQUISTO:

1. Specialista Car Stereo
2. Negozio di audio/video
3. Negozio di elettronica/elettrodomestici
4. Negozio accessori automobile
5. Altro \_\_\_\_\_

### Q6. Tipo di veicolo posseduto:

Marca: \_\_\_\_\_ Modello: \_\_\_\_\_  
Anno \_\_\_\_\_ Anno \_\_\_\_\_  
acquisto: \_\_\_\_\_ modello: \_\_\_\_\_

### Q7. Modalità acquisto

1. Acquisto
2. Leasing

### Q8. Scopo acquisto

1. Aggiunta
  2. Sostituzione
- ↓
- Marca sostituita
  - 1. Installato di fabbrica
  - 2. Alpine
  - 3. Altro → (Nome marca) \_\_\_\_\_

### Q9. Avevate già acquistato prodotti Alpine?

1. No
2. Due o tre volte

### Q10. Nell'acquistarlo, avete paragonato questo prodotto ad un'altra marca?

1. Sì → (Nome marca) \_\_\_\_\_
2. No

### Q11. SESSO

1. Maschile
2. Femminile

### Q12. ETÀ \_\_\_\_\_

### Q13. STATO CIVILE

1. Celibe/nubile
2. Coniugato/coniugata

### Q14. LAVORO

1. Proprietario di azienda/artigiano/libero professionista
2. Manager
3. Impiegato
4. Impiegato statale
5. Insegnante
6. Studente
7. Altro \_\_\_\_\_

### Q15. Commenti \_\_\_\_\_

- ◆ I agree to the above stated terms of the Alpine Product Information Card.
- ◆ Ich stimme dem Kontakt durch Alpine für Informations- und Befragungszwecke zu.
- ◆ J'accepte les termes de cette carte d'information produit Alpine.
- ◆ Estoy conforme con los términos de la tarjeta de información sobre producto de Alpine.
- ◆ Accetto i termini della scheda informazioni prodotti Alpine.

\_\_\_\_\_ (Date/Datum/Date/Fecha/Data)

\_\_\_\_\_ (Signature/Unterschrift/Signature/Firma)

### Name/Nom/Nombre/Nome

\_\_\_\_\_  
(First Name/Vorname/Prénom/Primer nombre/Nome)

\_\_\_\_\_  
(Surname/Familiename/Nom de famille/Apellido/Cognome)

### Home Address/Privatanschrift/Adresse/Dirección/Indirizzo

\_\_\_\_\_  
(Street/Straße/Rue/Calle/Via) (Post Code/Postleitzahl/Code postal/Código postal/Codice postale)

\_\_\_\_\_  
(Town/City/Stadt/Ville/Ciudad/Città) (Country/Land/Pays/Pais/Paese)

Telephone Number: \_\_\_\_\_

E-Mail/Correo electrónico: \_\_\_\_\_

|                 |    |
|-----------------|----|
| Q1 NO.<br>Other | Q2 |
|-----------------|----|

|          |      |                    |
|----------|------|--------------------|
| Q3 Month | Year | Q4 NO.1. Model No. |
|          |      | NO.2. Brand Name   |

|                 |                 |             |
|-----------------|-----------------|-------------|
| Q5 NO.<br>Other | Q6 Make:        | Model:      |
|                 | Purchased Year: | Model Year: |


|        |          |                          |            |
|--------|----------|--------------------------|------------|
| Q7 NO. | Q8 NO. 1 | Previous brand replaced. | Brand Name |
|        | 2        | 1. 2. 3.                 | →          |

|        |                    |         |
|--------|--------------------|---------|
| Q9 NO. | Q10 1 → Brand Name | Q11 NO. |
|        | NO. 2              |         |

|                     |         |                  |
|---------------------|---------|------------------|
| Q12       years old | Q13 NO. | Q14 NO.<br>Other |
|---------------------|---------|------------------|

Q15 Comments \_\_\_\_\_

**LUFTPORT**  
PAR AVION  
PRIORITAIRE

NE PAS AFFRANCHIR  
  
NICHT FREIMACHEN  
NO STAMP REQUIRED

---

REPOSE PAYEE/ WERBEANTWORT  
ALLEMAGNE

---

ALPINE ELECTRONICS (EUROPE) GmbH  
Frankfurter Ring 117, 80807 München,  
Germany